

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056799.D
 Acq On : 17 Jul 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:39 AM

Quant Time: Jul 18 09:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	317481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	484795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	172560	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.59	113	152869	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.09	98	583653	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	201359	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	131743	44.192	ug/l	99
3) Chloromethane	2.06	50	174678	43.582	ug/l	99
4) Vinyl Chloride	2.18	62	174097	45.107	ug/l	99
5) Bromomethane	2.55	94	96703	42.606	ug/l	99
6) Chloroethane	2.69	64	100126	44.518	ug/l	96
7) Trichlorofluoromethane	3.01	101	230814	46.606	ug/l	100
8) Diethyl Ether	3.41	74	94470	48.927	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141267	47.478	ug/l	100
10) Methyl Iodide	3.95	142	166465	41.828	ug/l	98
11) Tert butyl alcohol	4.79	59	150633	257.697	ug/l	99
12) 1,1-Dichloroethene	3.73	96	137950	46.222	ug/l	99
13) Acrolein	3.61	56	38705	196.262	ug/l	99
14) Allyl chloride	4.32	41	247515	47.956	ug/l	99
15) Acrylonitrile	4.99	53	431993	255.912	ug/l	100
16) Acetone	3.82	43	369454	228.296	ug/l	98
17) Carbon Disulfide	4.05	76	347828	44.103	ug/l	99
18) Methyl Acetate	4.33	43	181384	49.903	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	461276	48.508	ug/l	98
20) Methylene Chloride	4.55	84	167559	47.379	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151094	47.894	ug/l	97
22) Diisopropyl ether	5.95	45	504137	49.485	ug/l	97
23) Vinyl Acetate	5.90	43	2140069	259.227	ug/l	100
24) 1,1-Dichloroethane	5.85	63	286817	48.559	ug/l	99
25) 2-Butanone	6.84	43	586083	247.712	ug/l	100
26) 2,2-Dichloropropane	6.83	77	207764	48.784	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	179702	49.503	ug/l	100
28) Bromochloromethane	7.20	49	139635	50.280	ug/l	100
29) Tetrahydrofuran	7.21	42	391866	253.937	ug/l	99
30) Chloroform	7.37	83	283398	47.947	ug/l	99
31) Cyclohexane	7.65	56	264527	47.119	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	231225	49.466	ug/l	100
36) 1,1-Dichloropropene	7.79	75	211423	47.128	ug/l	99
37) Ethyl Acetate	6.93	43	232386	52.558	ug/l	99
38) Carbon Tetrachloride	7.78	117	200821	47.734	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	264828	47.809	ug/l	99
40) Benzene	8.04	78	659423	47.973	ug/l	99
41) Methacrylonitrile	7.17	41	103549	53.316	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	210899	48.547	ug/l	100
43) Isopropyl Acetate	8.17	43	354389	50.984	ug/l	100
44) Trichloroethene	8.83	130	177819	47.638	ug/l	100
45) 1,2-Dichloropropane	9.12	63	178712	48.929	ug/l	100
46) Dibromomethane	9.21	93	112660	49.774	ug/l	99
47) Bromodichloromethane	9.40	83	214790	49.938	ug/l	98
48) Methyl methacrylate	9.20	41	171859	51.125	ug/l	99
49) 1,4-Dioxane	9.20	88	73415	1064.358	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1149448	255.318	ug/l	100
52) Toluene	10.16	92	408460	50.036	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232429	51.796	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	264621	50.817	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	166503	48.629	ug/l	99
56) Ethyl methacrylate	10.43	69	261522	53.084	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279209	49.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	603353	254.682	ug/l	99
59) 2-Hexanone	10.75	43	845659	261.785	ug/l	100
60) Dibromochloromethane	10.90	129	172160	51.126	ug/l	98
61) 1,2-Dibromoethane	11.01	107	174243	51.207	ug/l	99
64) Tetrachloroethene	10.63	164	171790	45.325	ug/l	98
65) Chlorobenzene	11.43	112	435768	48.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162501	49.131	ug/l	99
67) Ethyl Benzene	11.51	91	771740	48.884	ug/l	99
68) m/p-Xylenes	11.62	106	585157	99.179	ug/l	99
69) o-Xylene	11.95	106	283304	48.842	ug/l	100
70) Styrene	11.96	104	484203	51.634	ug/l	100
71) Bromoform	12.13	173	130080	51.689	ug/l #	99
73) Isopropylbenzene	12.25	105	754275	46.045	ug/l	100
74) N-amyl acetate	12.07	43	293314	48.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	242474	51.162	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	217827m	49.022	ug/l	
77) Bromobenzene	12.53	156	198648	46.363	ug/l	98
78) n-propylbenzene	12.59	91	838400	46.101	ug/l	100
79) 2-Chlorotoluene	12.67	91	504790	50.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	637200	45.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72494	50.385	ug/l	99
82) 4-Chlorotoluene	12.77	91	493605	46.250	ug/l	99
83) tert-Butylbenzene	12.99	119	541172	50.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	639705	47.164	ug/l	100
85) sec-Butylbenzene	13.17	105	712233	46.167	ug/l	99
86) p-Isopropyltoluene	13.29	119	652300	46.674	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324931	46.275	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	319091	46.718	ug/l	100
89) n-Butylbenzene	13.61	91	539574	47.931	ug/l	100
90) Hexachloroethane	13.87	117	106649	47.189	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	331283	46.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43455	49.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171991	43.841	ug/l	100
94) Hexachlorobutadiene	15.01	225	113705	50.405	ug/l	98
95) Naphthalene	15.13	128	455894	42.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	173671	44.481	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

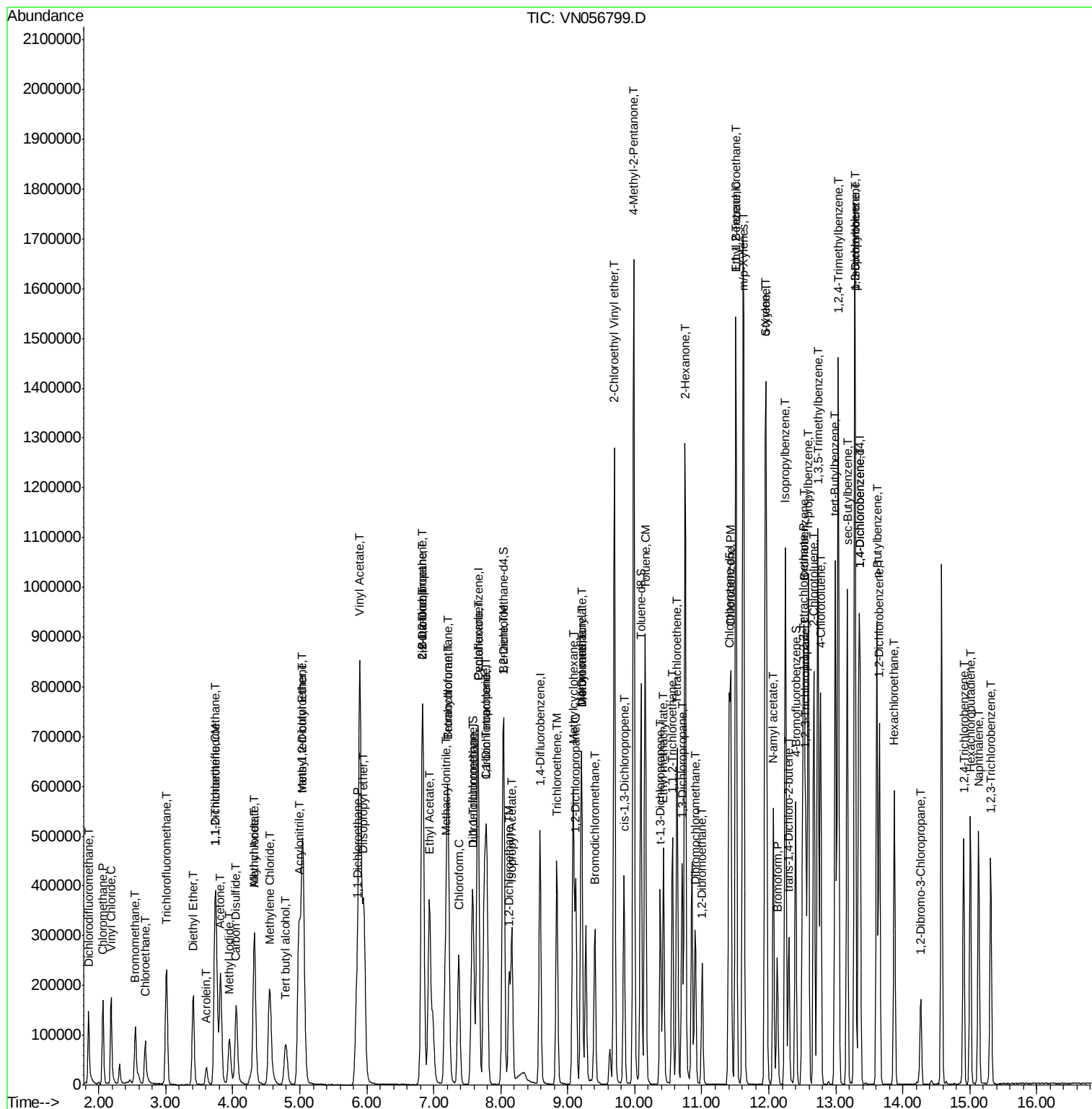
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
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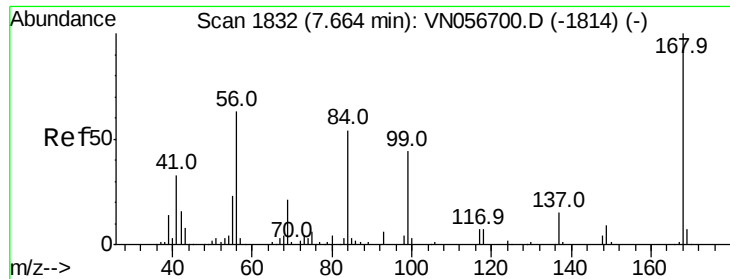
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 317481

Ion Ratio Lower Upper

168 100

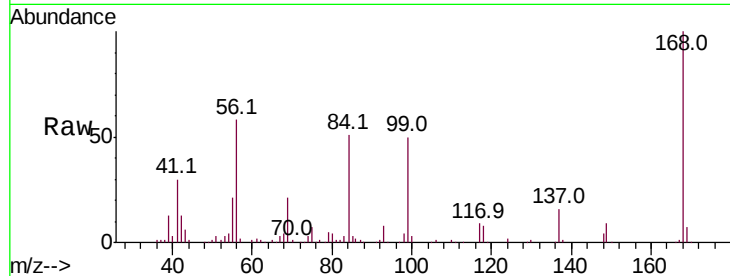
99 49.8 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

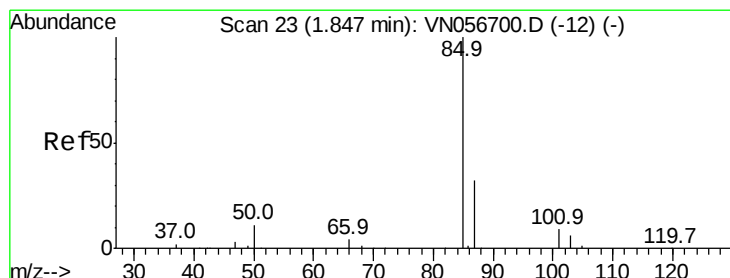
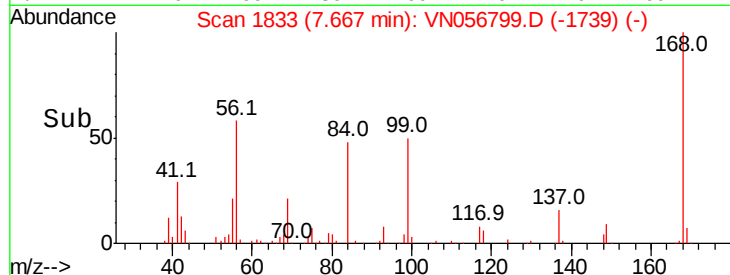
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.192 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056799.D

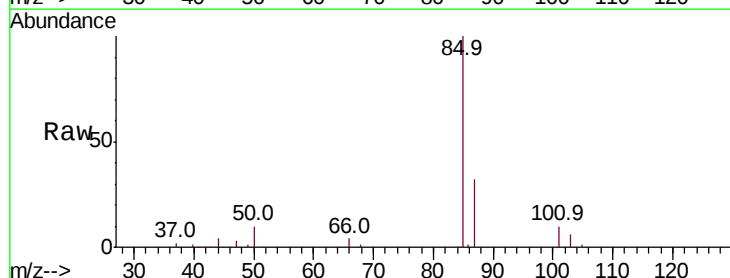
Acq: 17 Jul 2019 16:07

Tgt Ion: 85 Resp: 131743

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

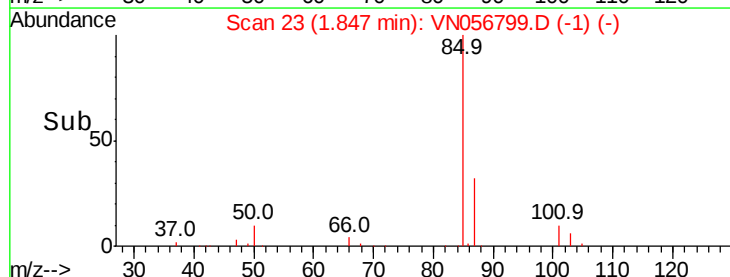
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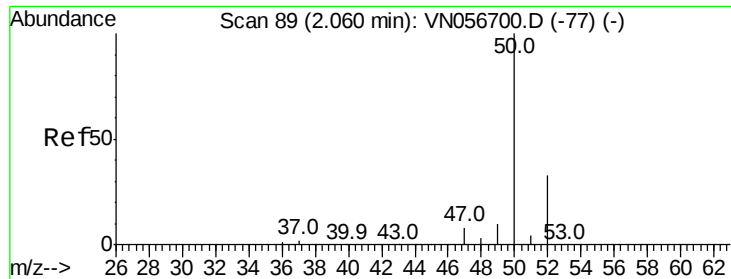
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20000

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Time-->





#3

Chloromethane

Concen: 43.582 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 174678

Ion Ratio Lower Upper

50 100

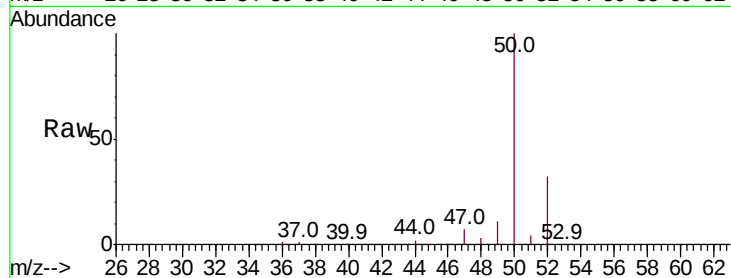
52 32.5 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

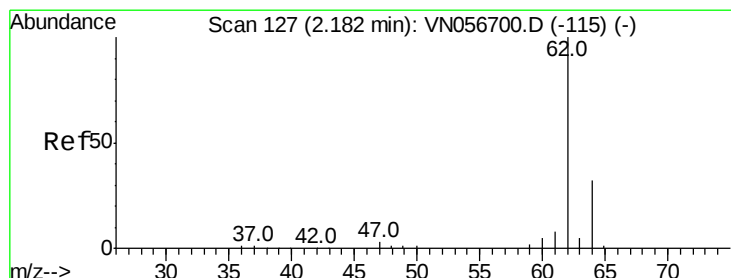
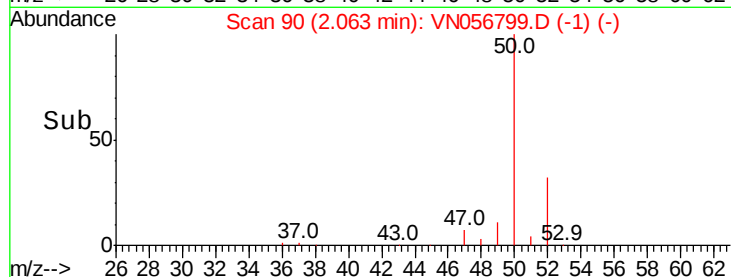
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.107 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056799.D

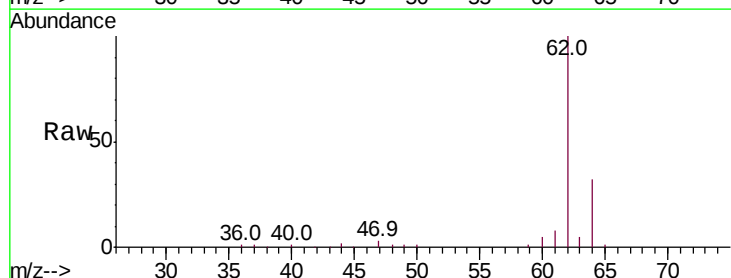
Acq: 17 Jul 2019 16:07

Tgt Ion: 62 Resp: 174097

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

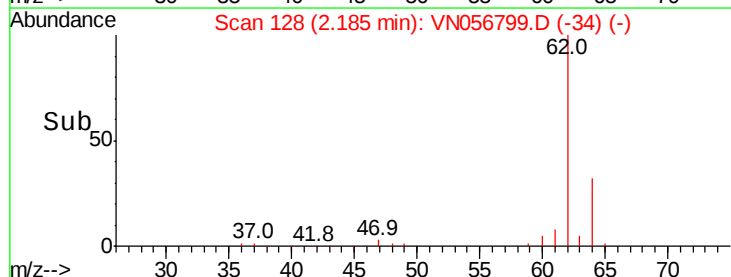
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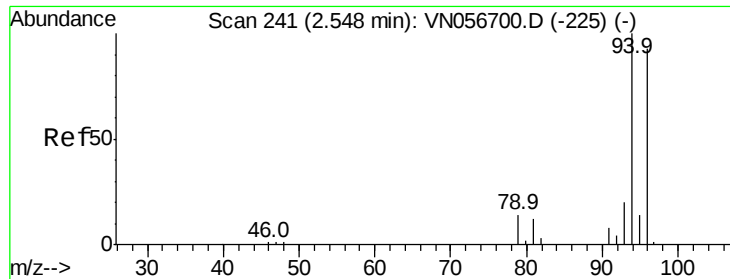
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20000

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Time-->





#5

Bromomethane

Concen: 42.606 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 96703

Ion Ratio Lower Upper

94 100

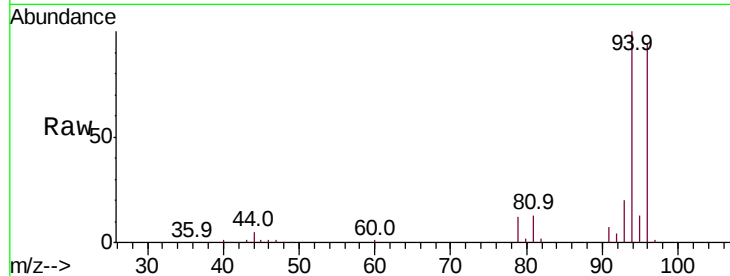
96 93.5 74.0 111.0

Manual Integrations

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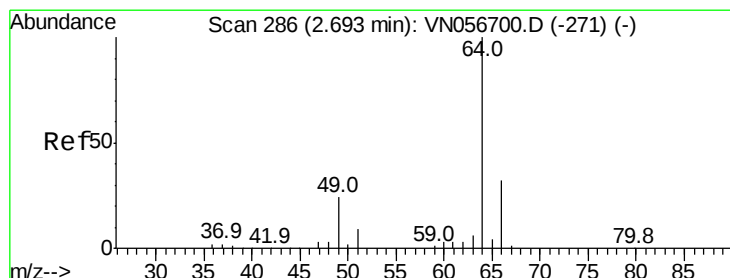
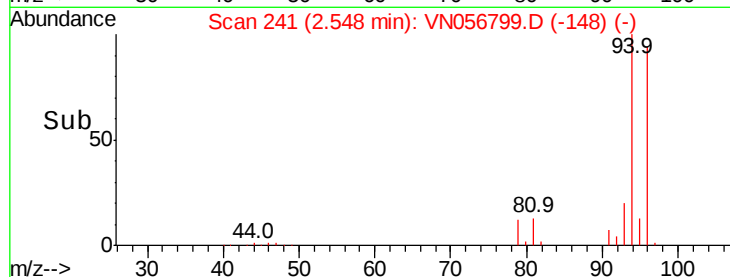
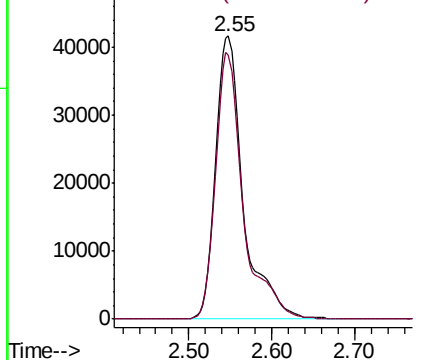
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.518 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN056799.D

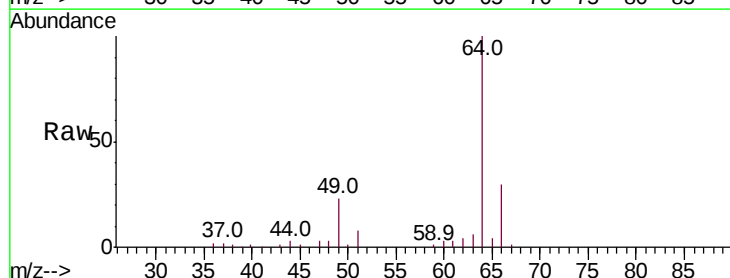
Acq: 17 Jul 2019 16:07

Tgt Ion: 64 Resp: 100126

Ion Ratio Lower Upper

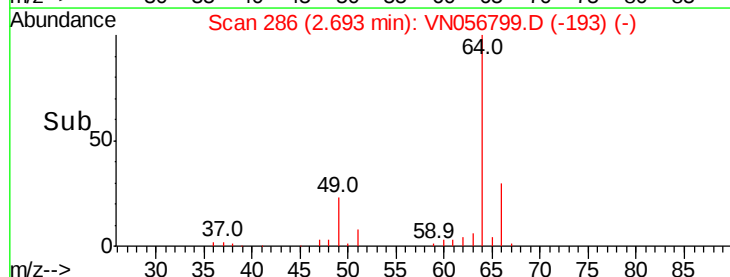
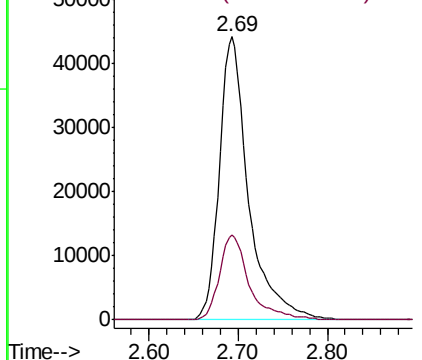
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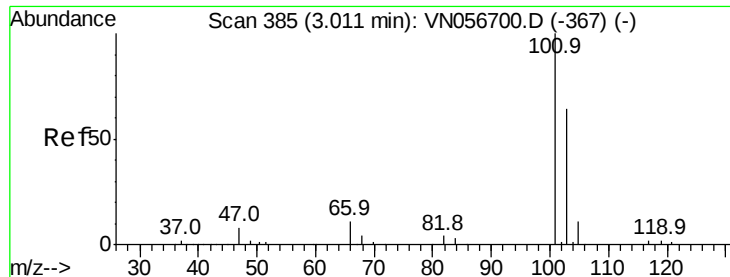
66 30.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

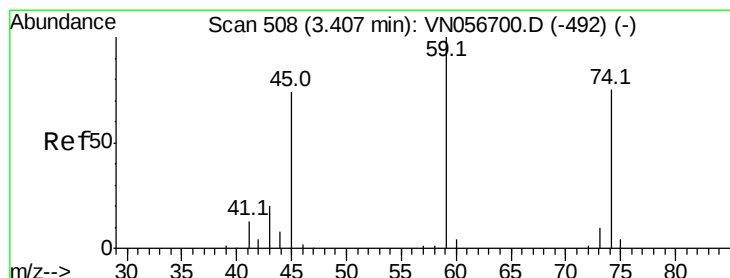
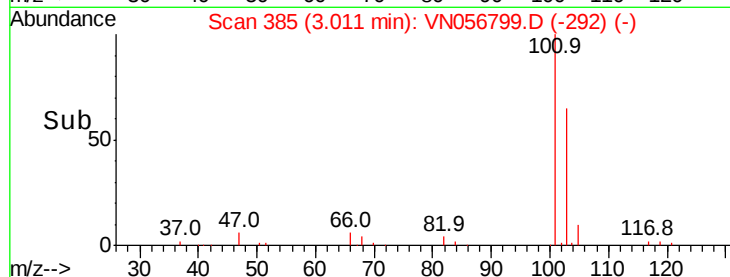
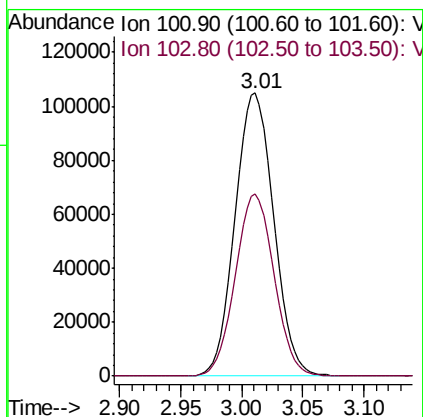
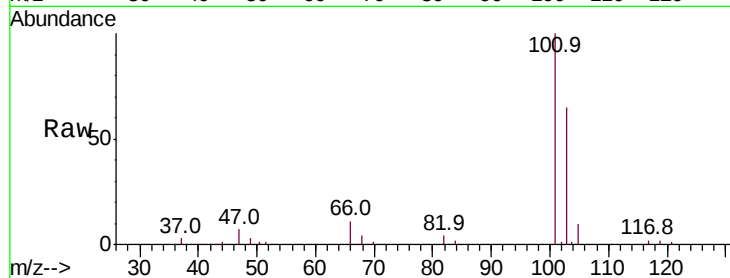
Trichlorofluoromethane
Concen: 46.606 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.5	77.3

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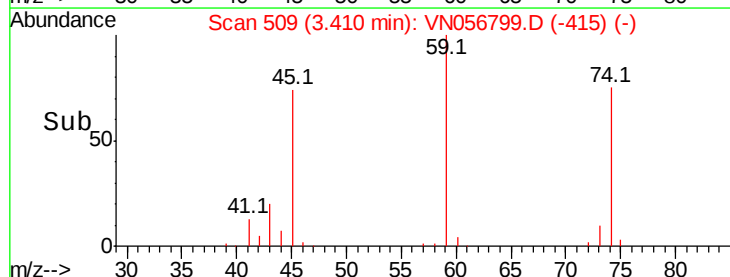
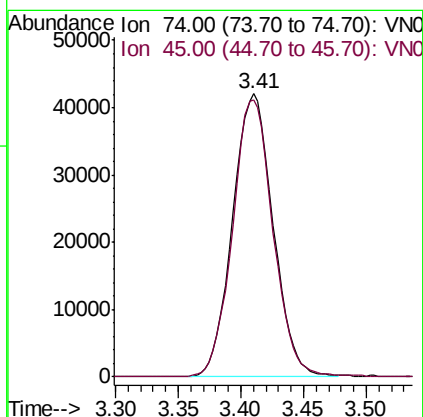
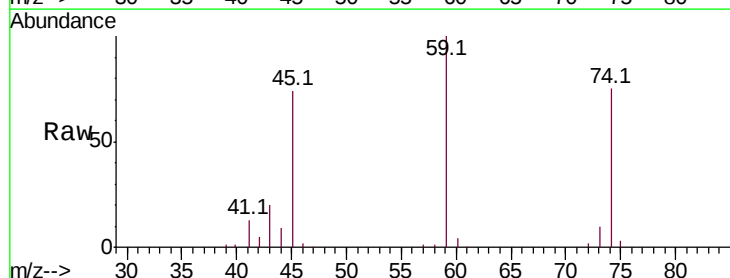
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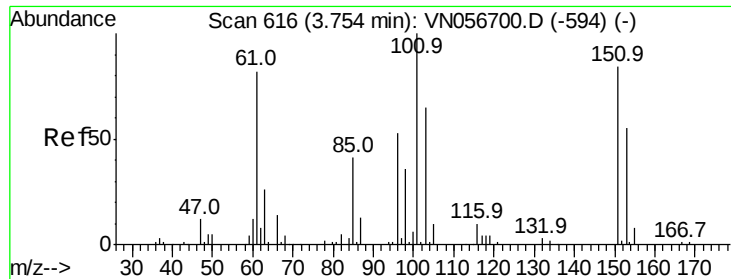


#8

Diethyl Ether
Concen: 48.927 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.478 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

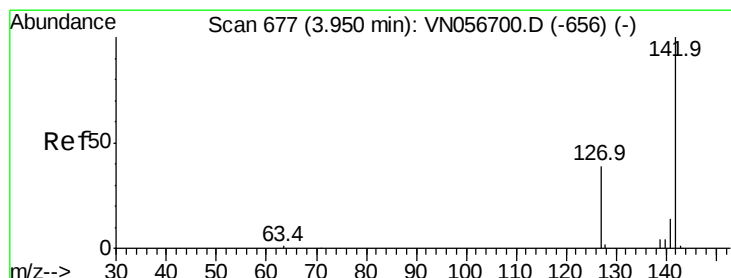
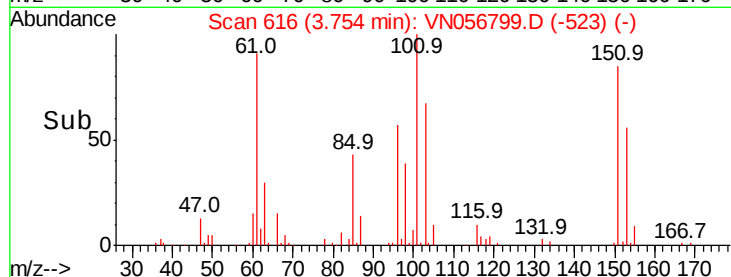
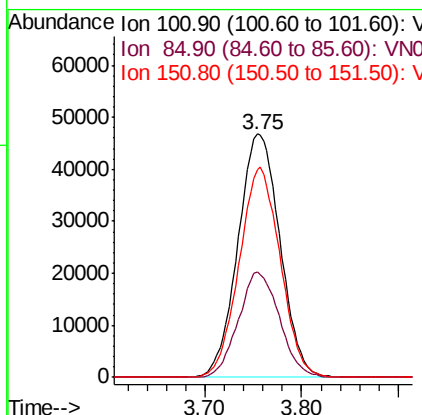
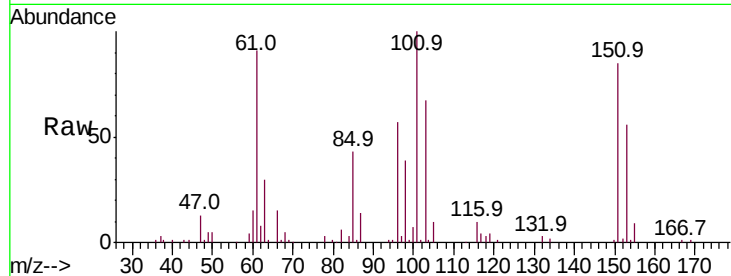
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	141267
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.3	49.9
151	84.1	67.0	100.6

Manual Integrations
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7/19/2019 1:06:39 AM



#10

Methyl Iodide

Concen: 41.828 ug/l

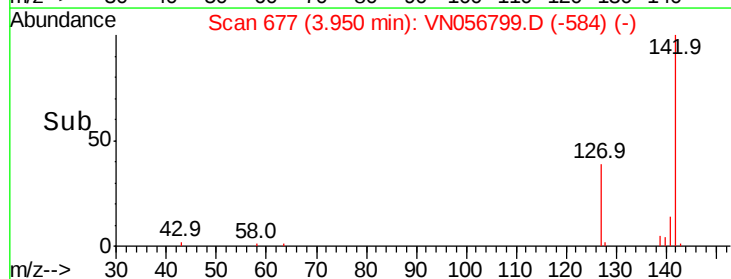
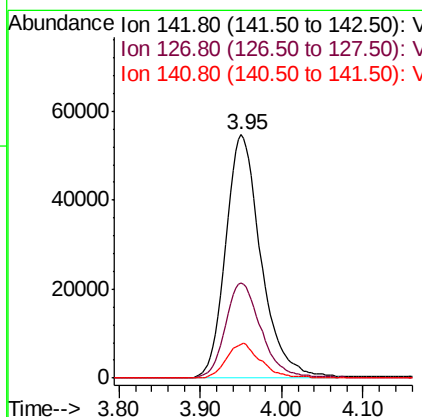
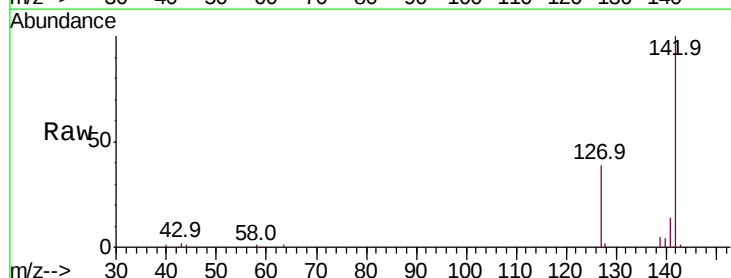
RT: 3.95 min Scan# 677

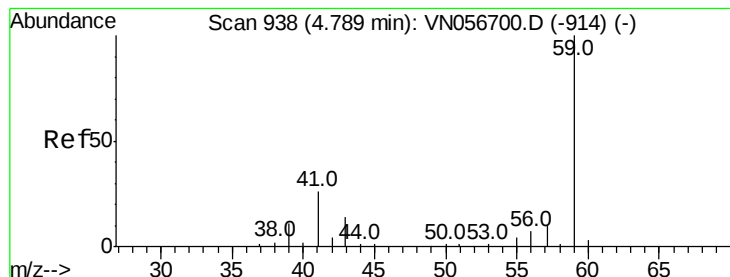
Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion:	142	Resp:	166465
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.7	46.1
141	13.5	11.3	16.9





#11

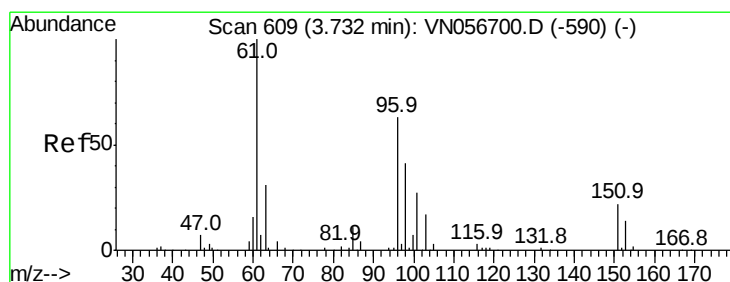
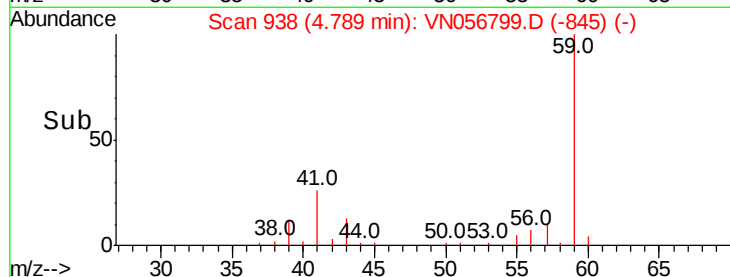
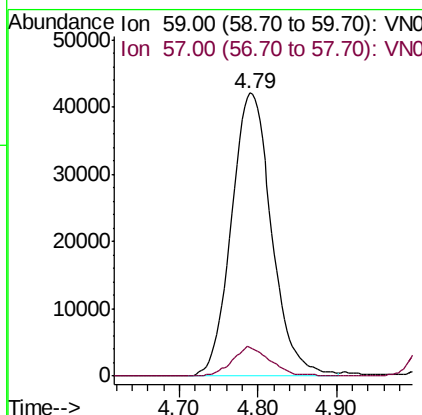
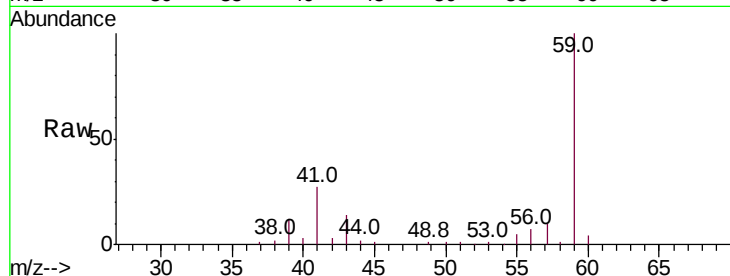
Tert butyl alcohol
 Concen: 257.697 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	150633		
57	9.6		8.0	12.0

Manual Integrations
 APPROVED

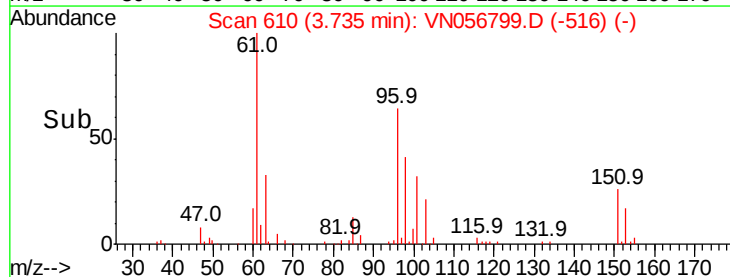
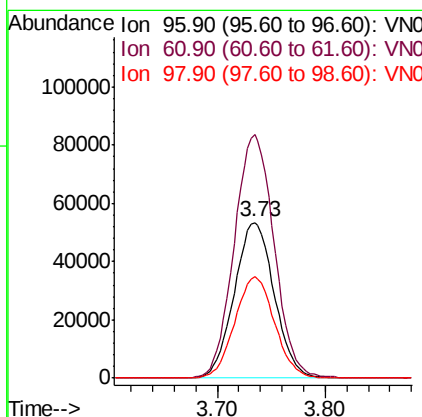
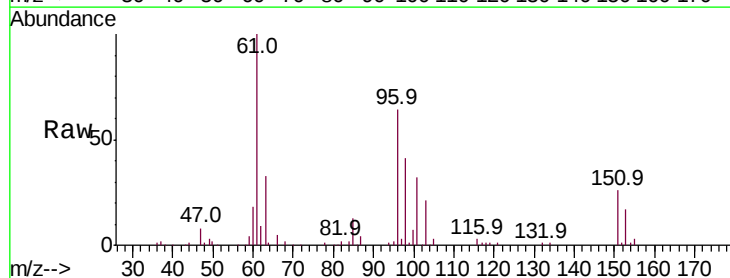
MMDadoda
 7/19/2019 1:06:39 AM

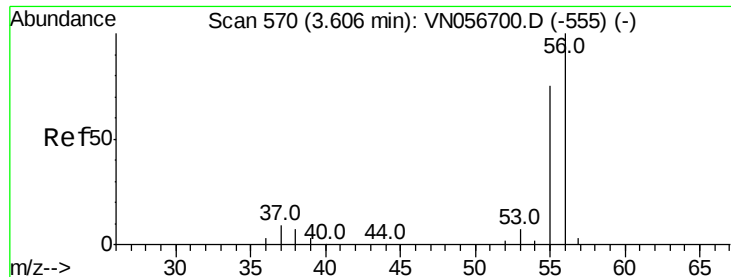


#12

1,1-Dichloroethene
 Concen: 46.222 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	137950		
61	155.9		126.6	189.8
98	64.8		51.4	77.2





#13

Acrolein

Concen: 196.262 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38705

Ion Ratio Lower Upper

56 100

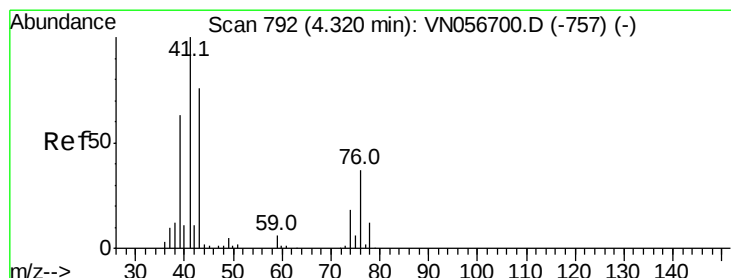
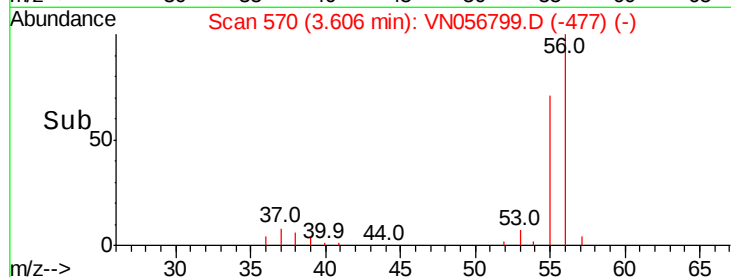
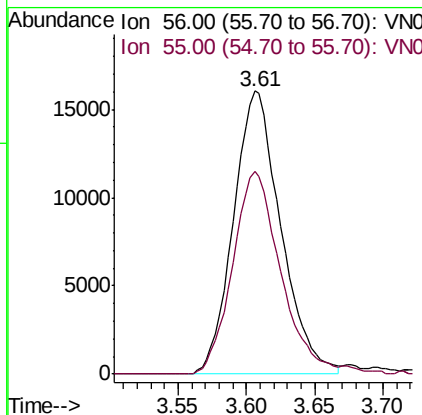
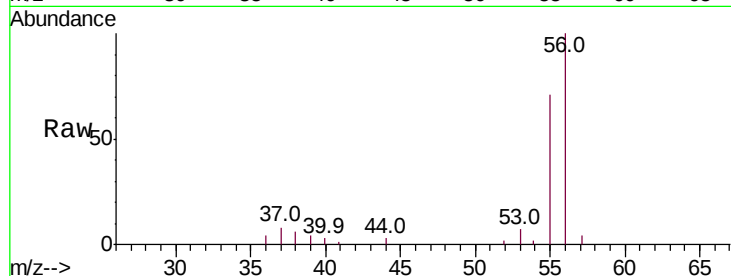
55 73.5 58.0 87.0

Manual Integrations

APPROVED

MMDadoda

7/19/2019 1:06:39 AM



#14

Allyl chloride

Concen: 47.956 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

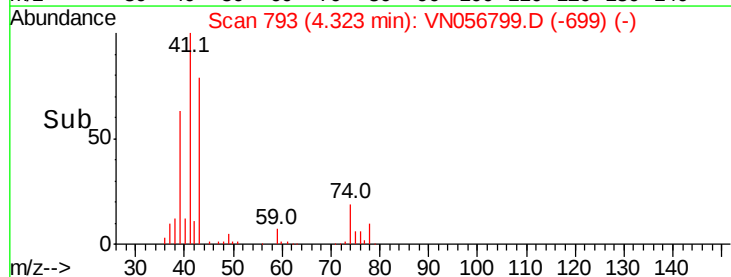
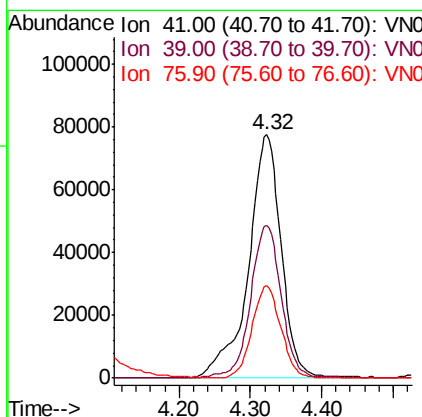
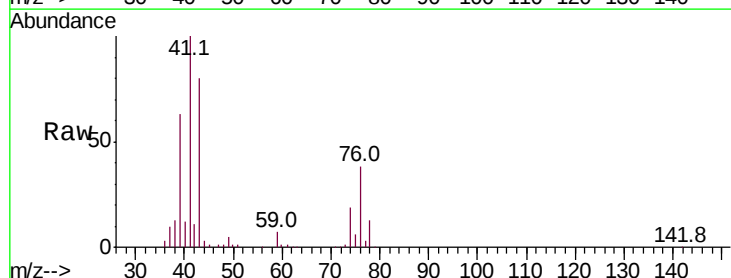
Tgt Ion: 41 Resp: 247515

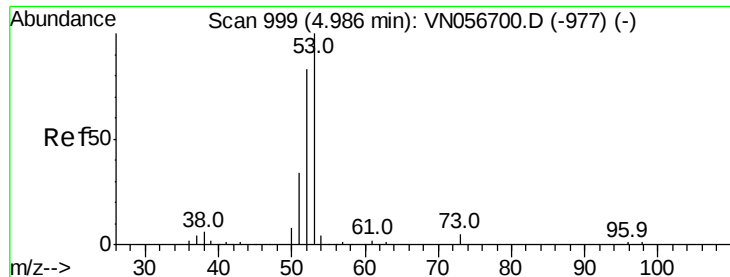
Ion Ratio Lower Upper

41 100

39 58.9 46.9 70.3

76 32.6 26.5 39.7





#15

Acrylonitrile

Concen: 255.912 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

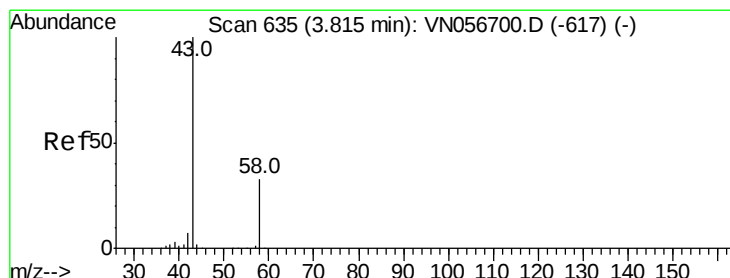
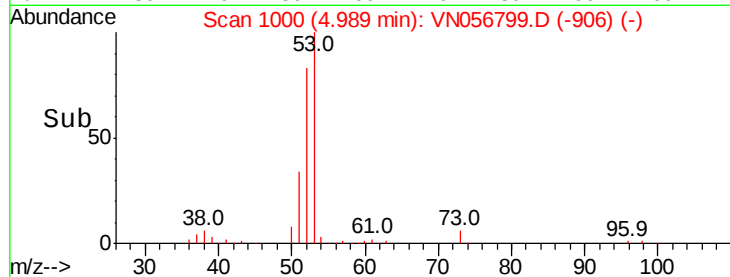
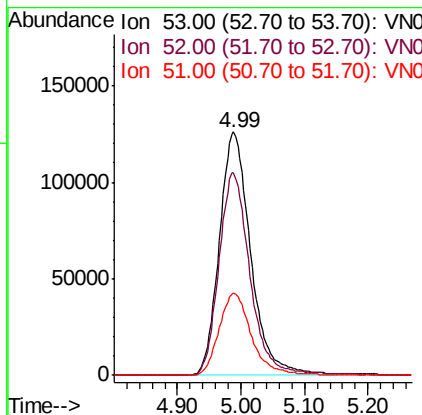
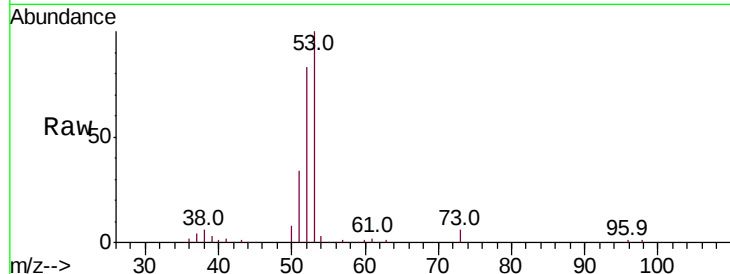
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	431993
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	35.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 228.296 ug/l

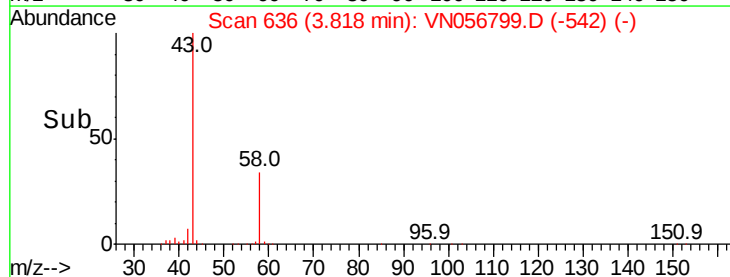
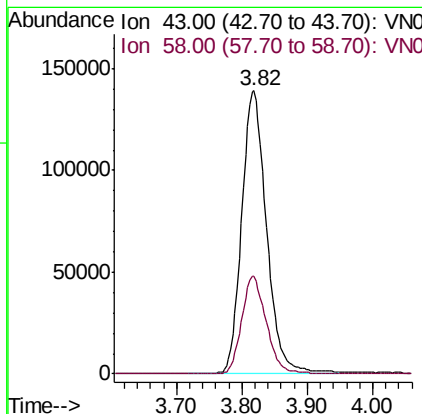
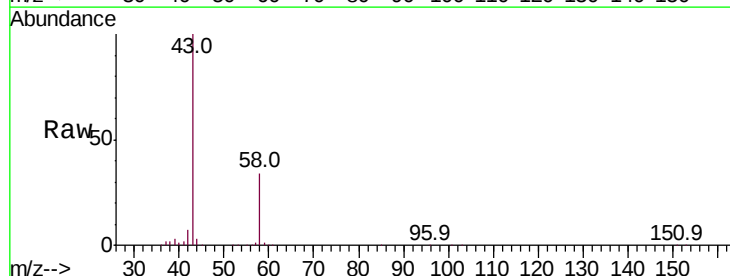
RT: 3.82 min Scan# 636

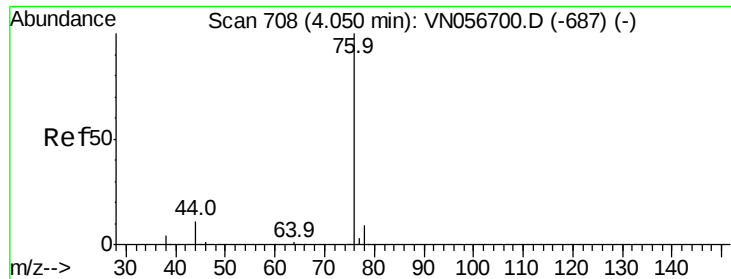
Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion:	43	Resp:	369454
Ion	Ratio	Lower	Upper
43	100		
58	34.4	26.7	40.1





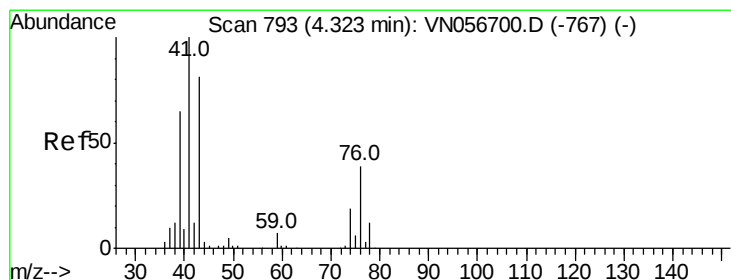
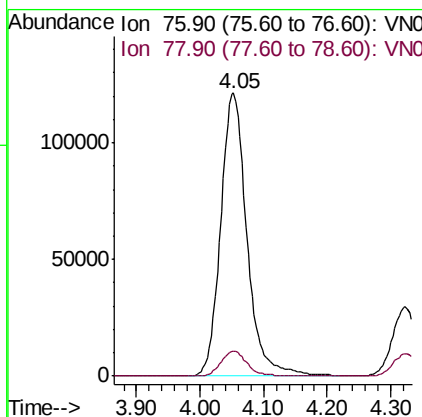
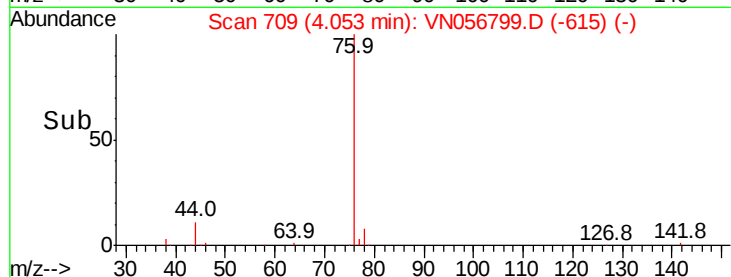
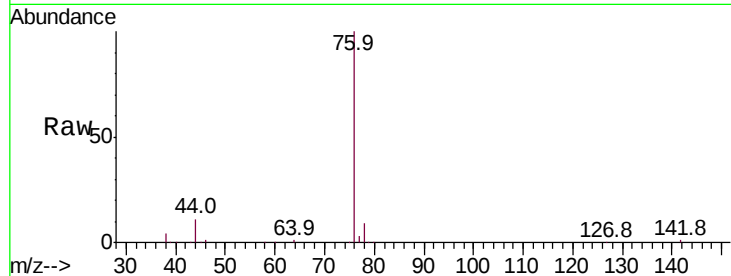
#17
Carbon Disulfide
Concen: 44.103 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 347828
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

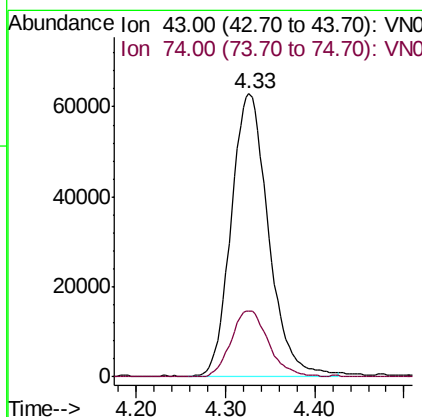
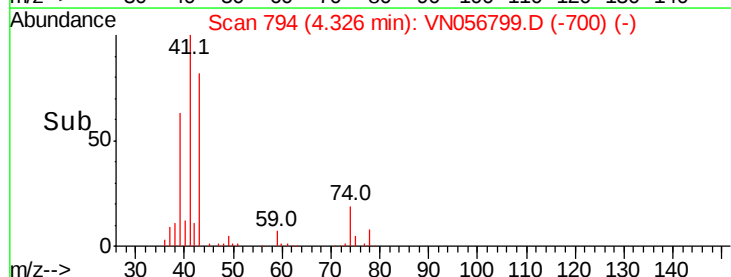
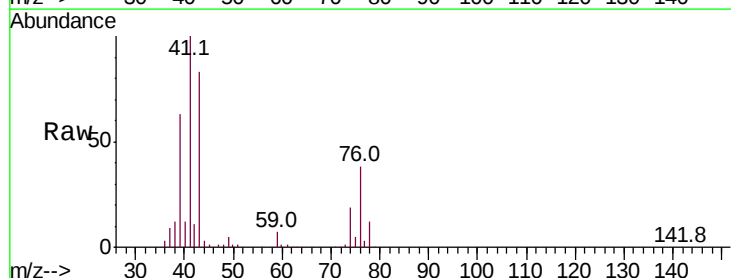
Manual Integrations
APPROVED

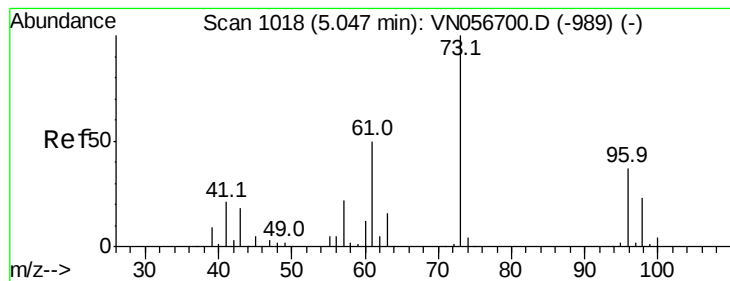
MMDadoda
7/19/2019 1:06:39 AM



#18
Methyl Acetate
Concen: 49.903 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 43 Resp: 181384
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.508 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tot Ion: 73 Resp: 461276

Ion Ratio Lower Upper

73 100

57 23.2 17.9 26.9

Instrument :

MSVOA_N

ClientSampleId :

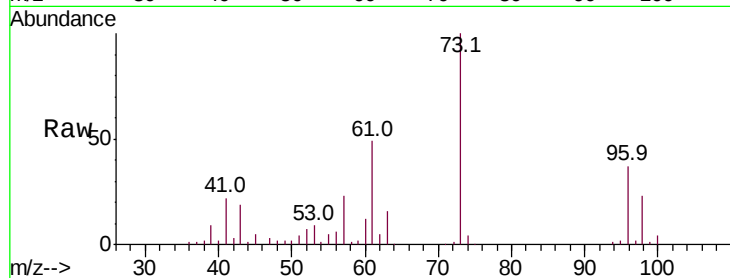
VSTDCCC050EC

Manual Integrations

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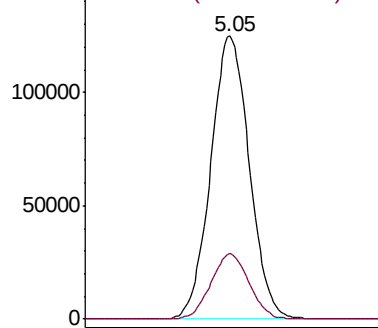
MMDadoda

7/19/2019 1:06:39 AM

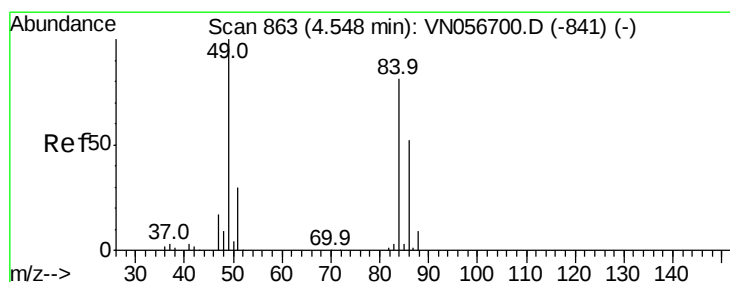
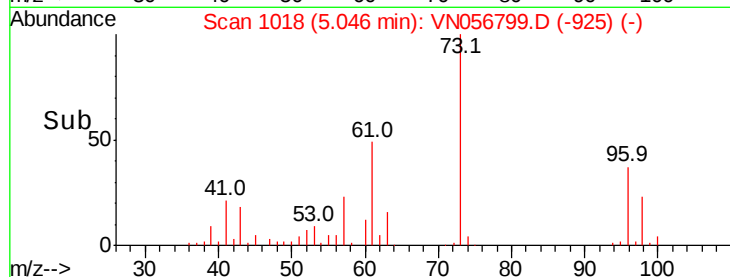


Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



Time-->



#20

Methylene Chloride

Concen: 47.379 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion: 84 Resp: 167559

Ion Ratio Lower Upper

84 100

49 119.5 98.2 147.4

51 36.8 29.6 44.4

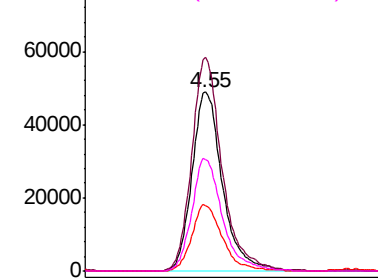
86 62.6 51.0 76.4

Abundance Ion 83.90 (83.60 to 84.60): VNO

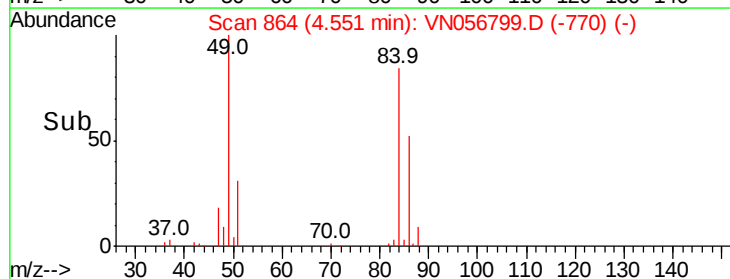
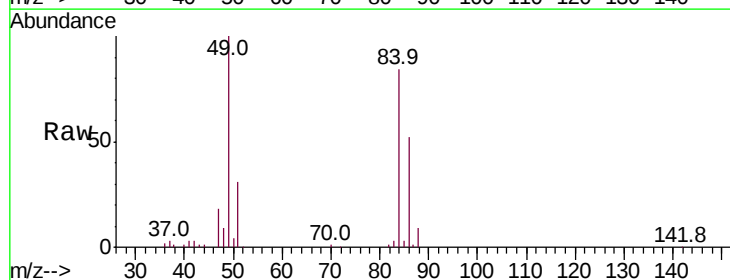
Ion 48.90 (48.60 to 49.60): VNO

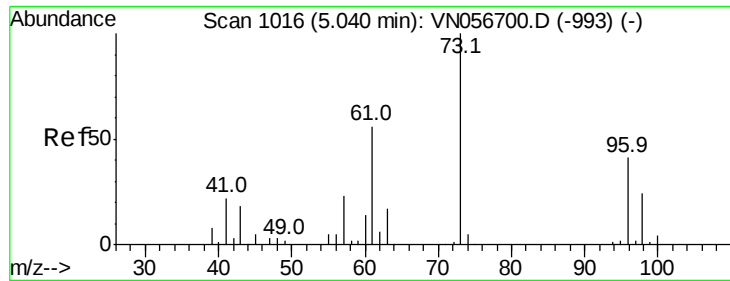
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.894 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 151094

Ion Ratio Lower Upper

96 100

61 131.8 109.4 164.2

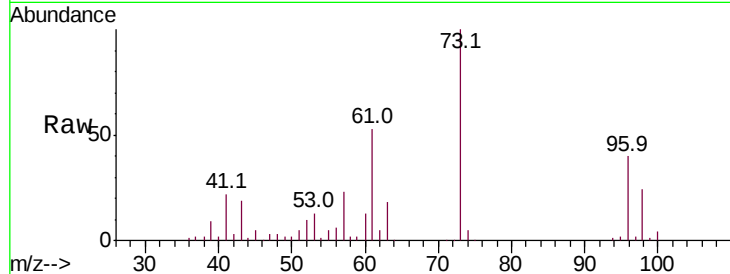
98 59.2 48.0 72.0

Manual Integrations

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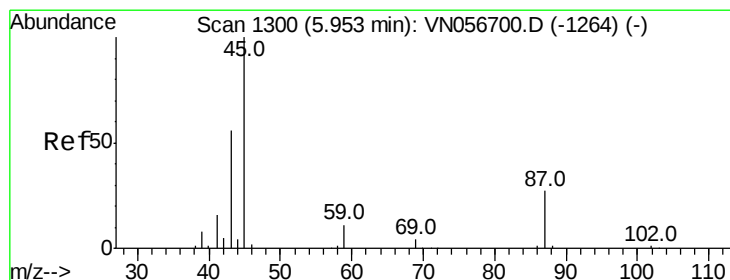
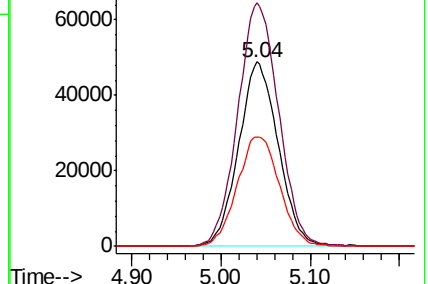
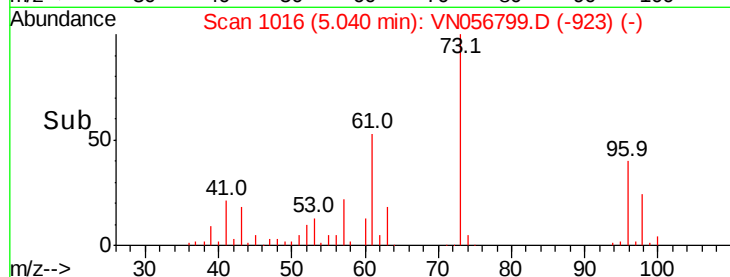
7/19/2019 1:06:39 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.485 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion: 45 Resp: 504137

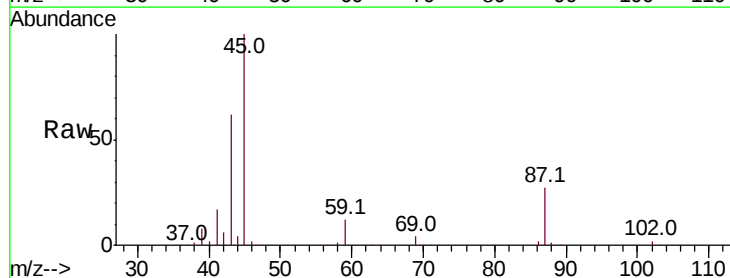
Ion Ratio Lower Upper

45 100

43 60.7 45.6 68.4

87 27.2 22.0 33.0

59 12.0 9.3 13.9

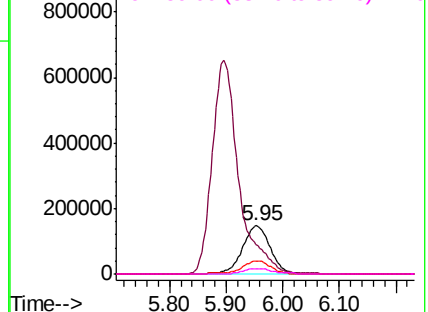
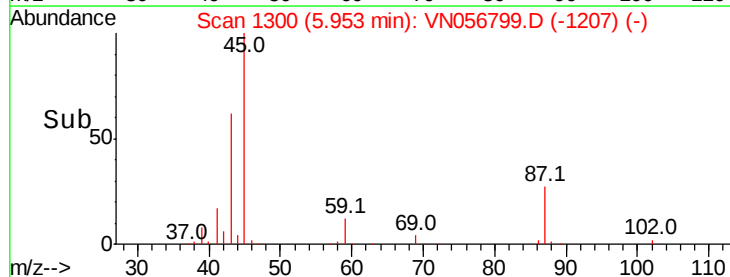


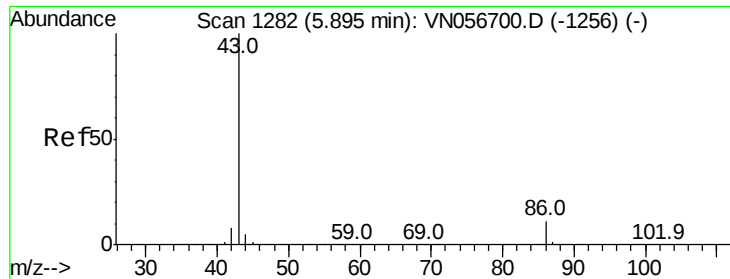
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 259.227 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2140069

Ion Ratio Lower Upper

43 100

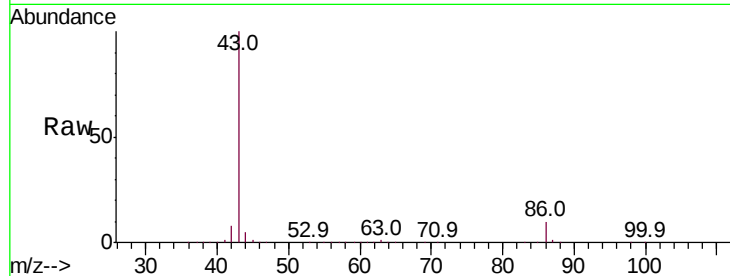
86 10.5 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

5.90

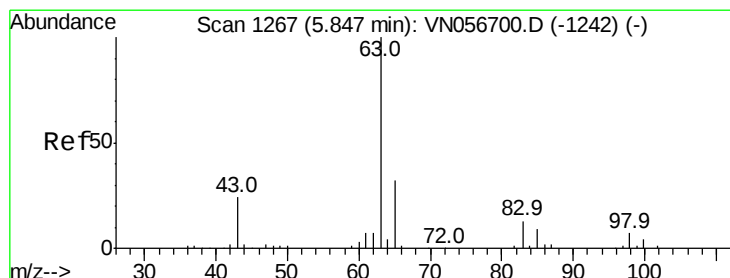
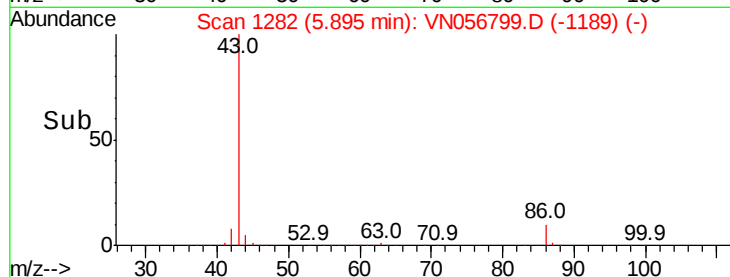
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.559 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

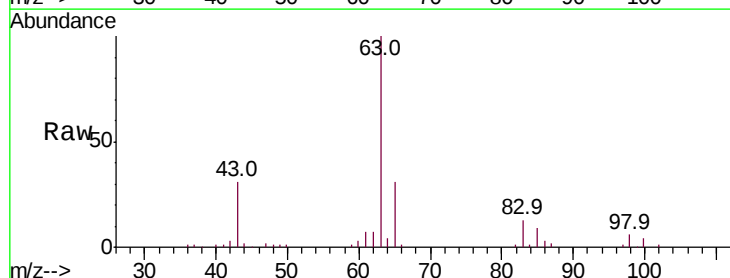
Tgt Ion: 63 Resp: 286817

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO

120000

100000

80000

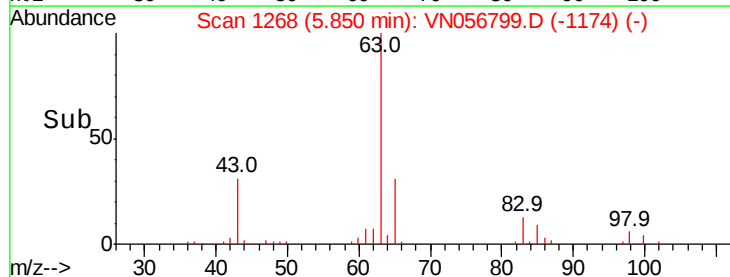
60000

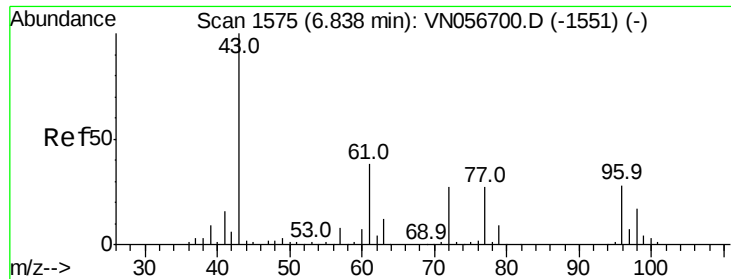
40000

20000

0

Time--> 5.70 5.80 5.90





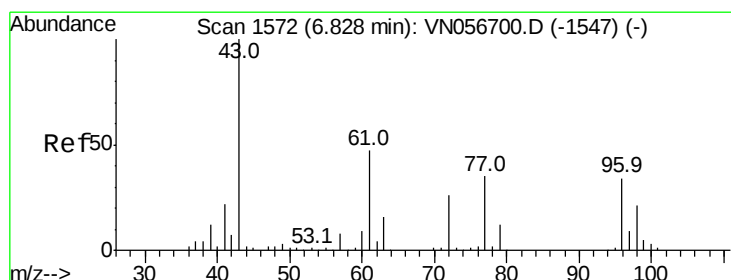
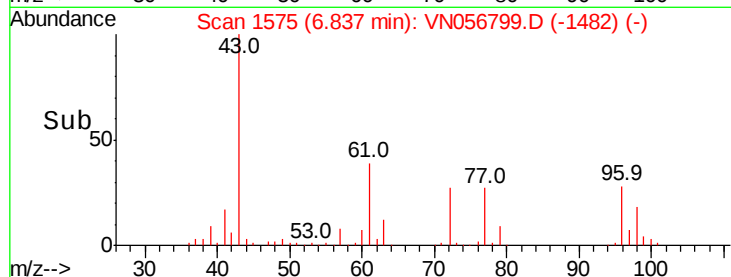
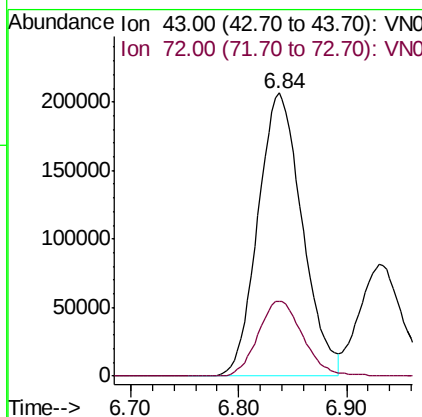
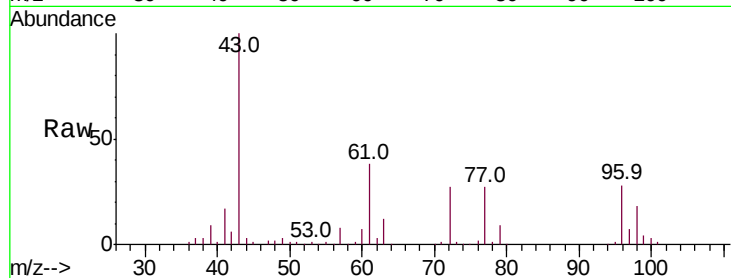
#25
2-Butanone
Concen: 247.712 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 586083
Ion Ratio Lower Upper
43 100
72 26.6 21.2 31.8

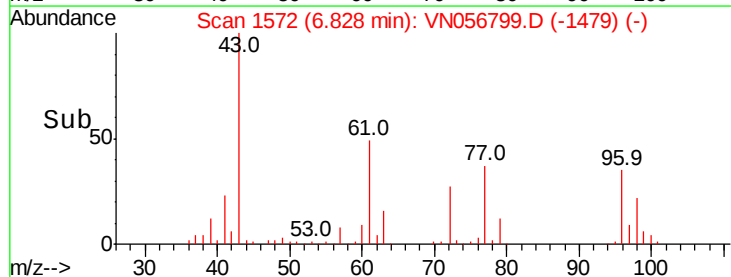
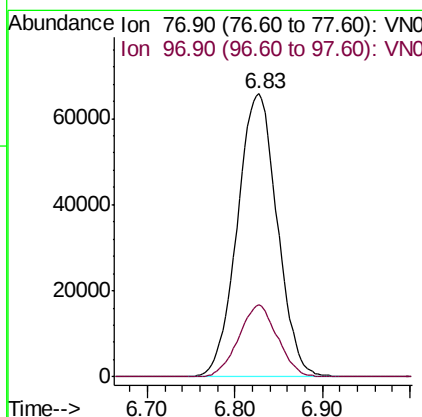
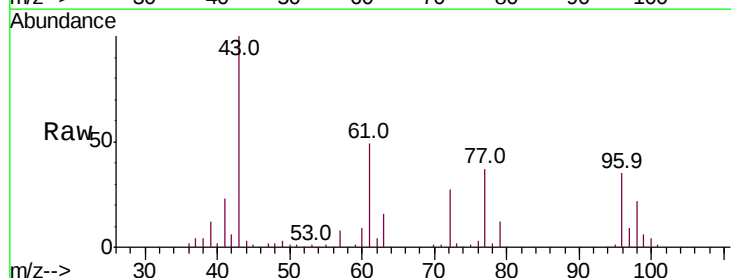
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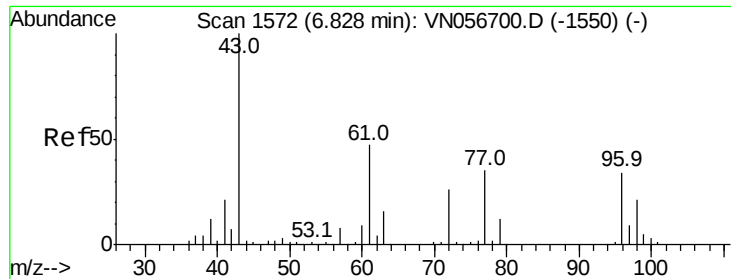
MMDadoda
7/19/2019 1:06:39 AM



#26
2,2-Dichloropropane
Concen: 48.784 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 77 Resp: 207764
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.503 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

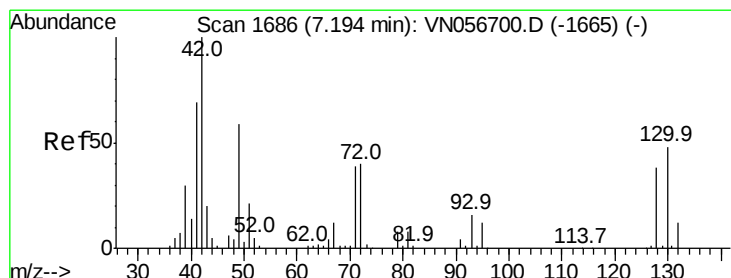
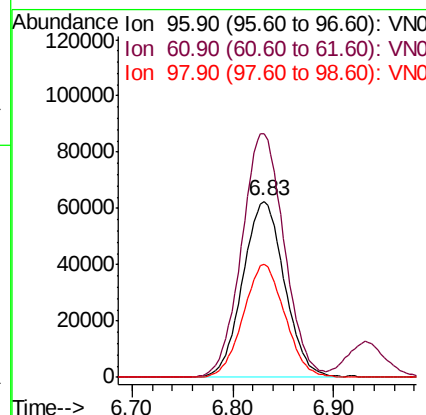
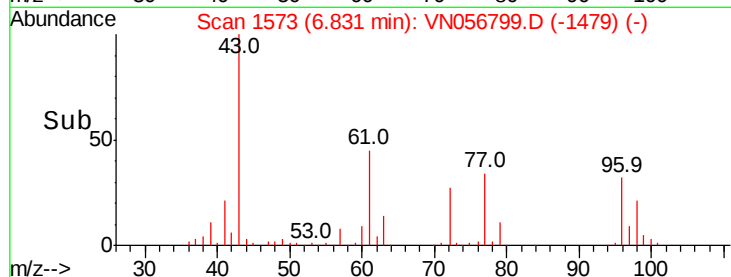
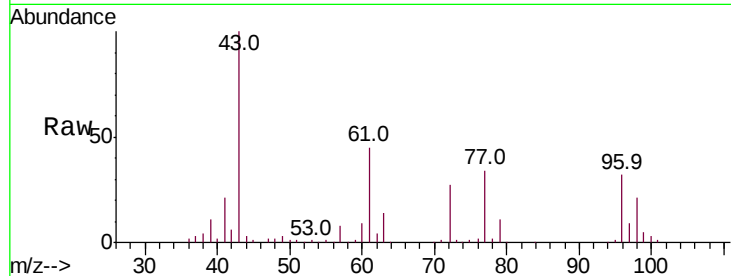
ClientSampleId :

VSTDCCC050EC

Tot Ion	96	Resp	179702
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	281.4
98	64.1	0.0	127.8

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#28

Bromochloromethane

Concen: 50.280 ug/l

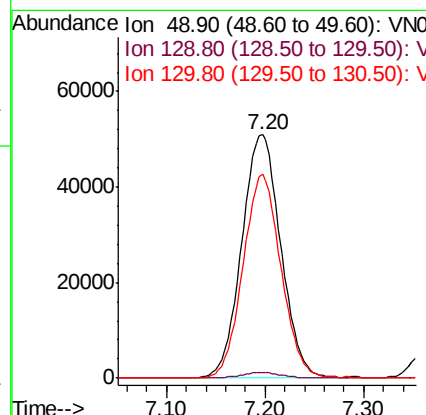
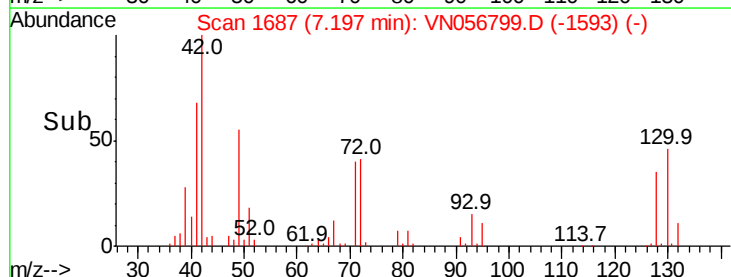
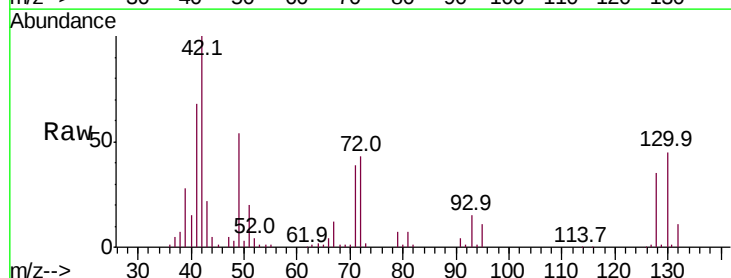
RT: 7.20 min Scan# 1687

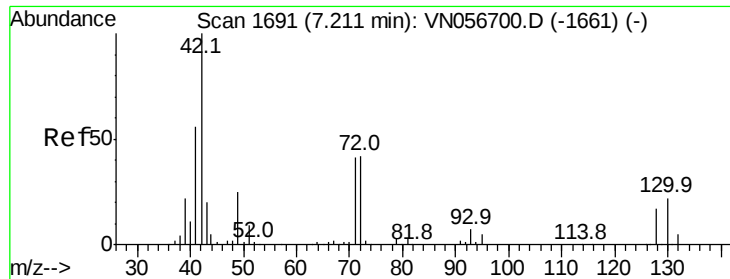
Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion	49	Resp	139635
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	81.3	64.7	97.1





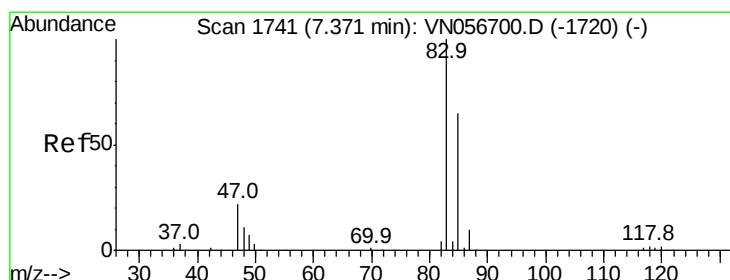
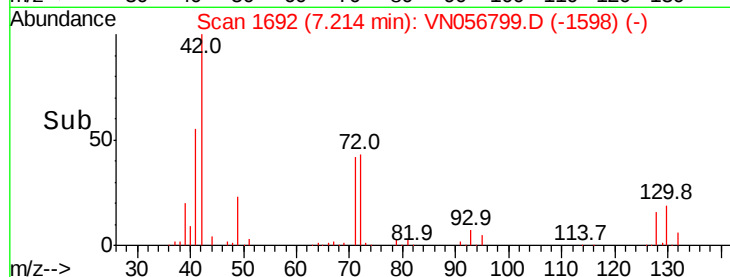
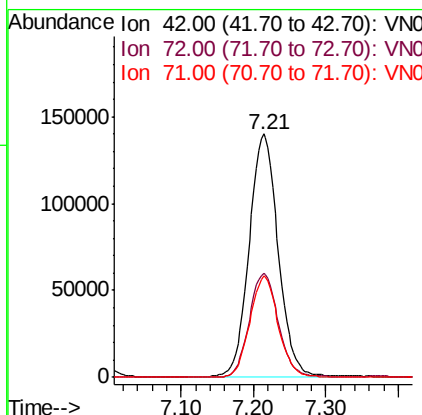
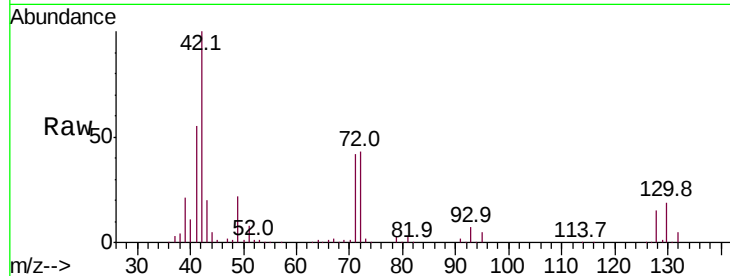
#29
Tetrahydrofuran
Concen: 253.937 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.5	50.3
71	40.6	31.8	47.8

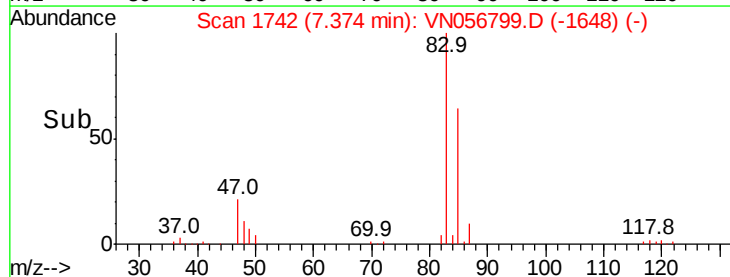
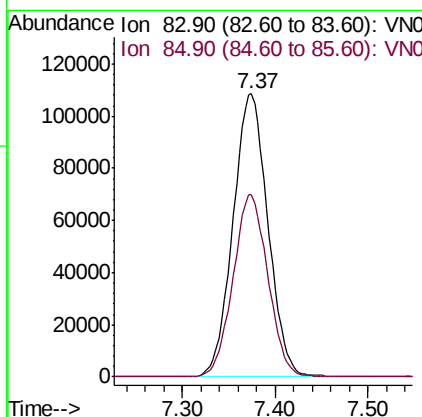
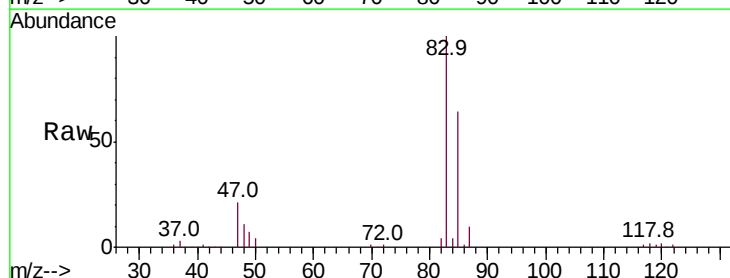
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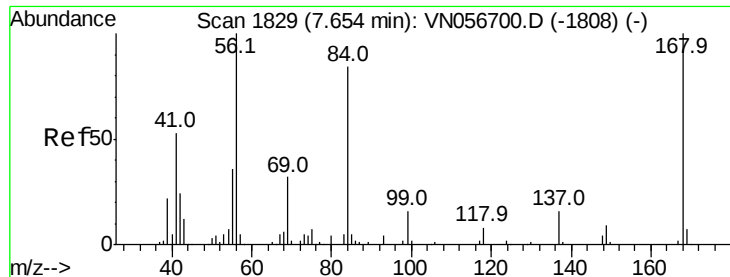
MMDadoda
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#30
Chloroform
Concen: 47.947 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9





#31

Cyclohexane

Concen: 47.119 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 264527

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

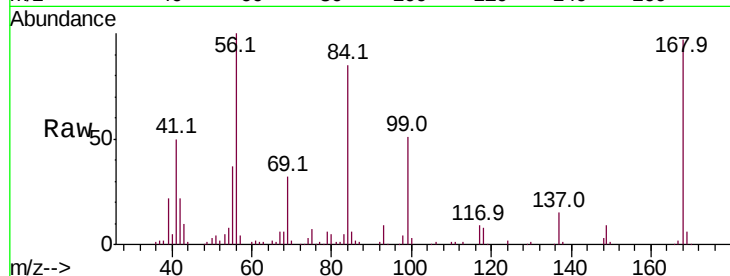
84 83.9 67.4 101.0

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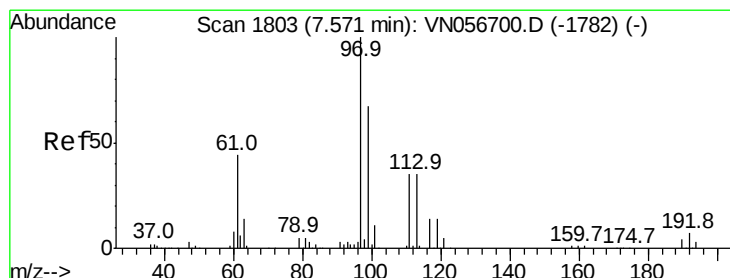
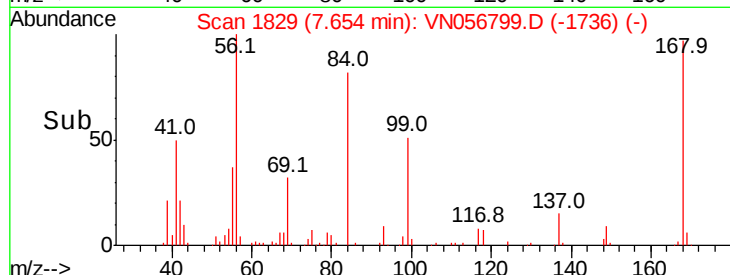
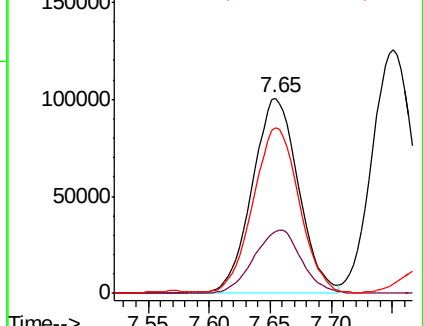
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.466 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

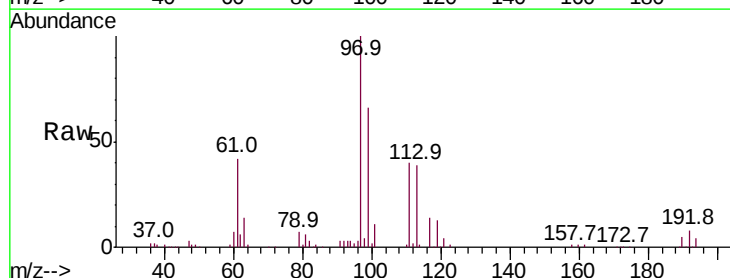
Tgt Ion: 97 Resp: 231225

Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

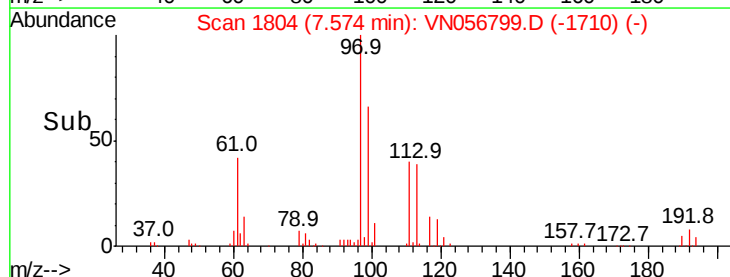
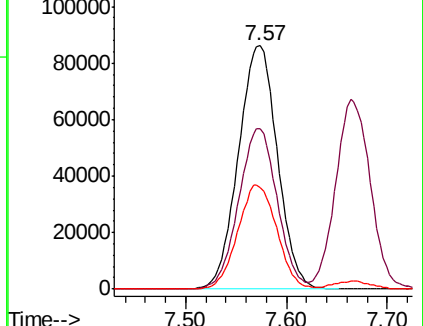
61 42.8 34.3 51.5

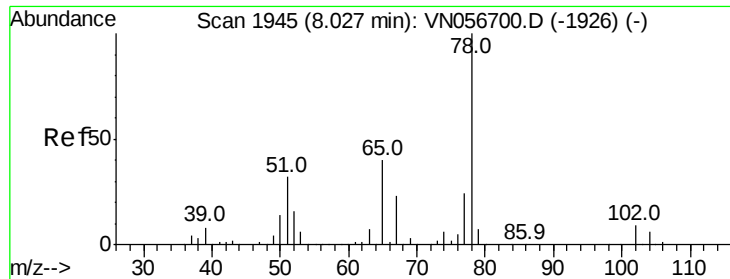


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.138 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 172560

Ion Ratio Lower Upper

65 100

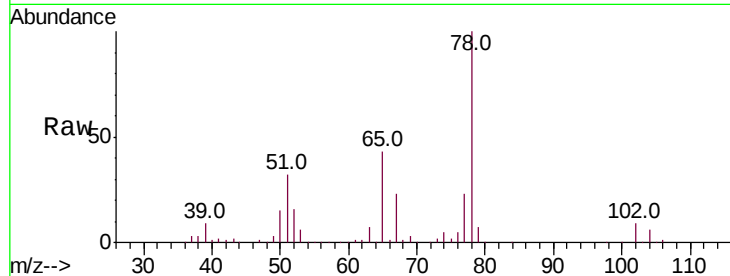
67 55.0 0.0 109.0

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Abundance Ion 64.90 (64.60 to 65.60): VN056700.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN056700.D (-1926) (-)

8.03

80000

60000

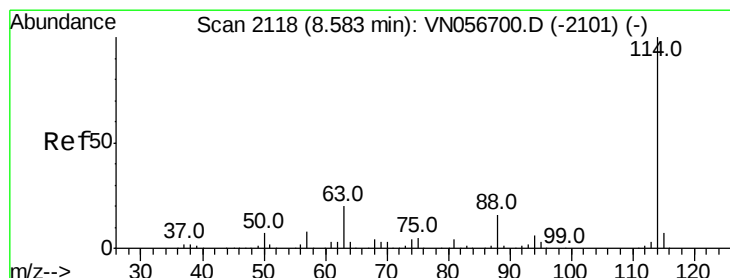
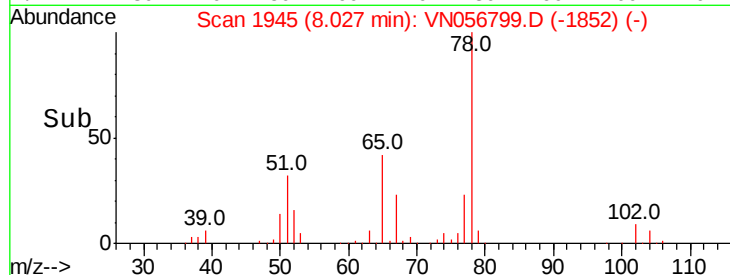
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

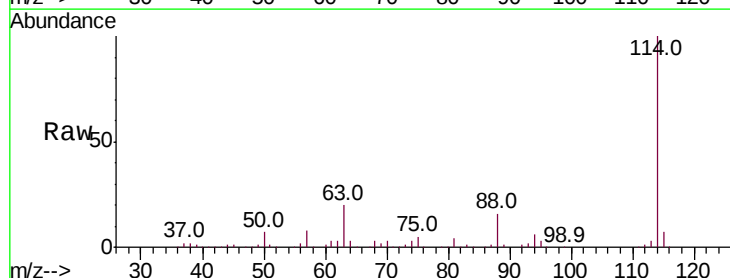
Tgt Ion: 114 Resp: 484795

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN056700.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056700.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056700.D (-2101) (-)

8.59

300000

250000

200000

150000

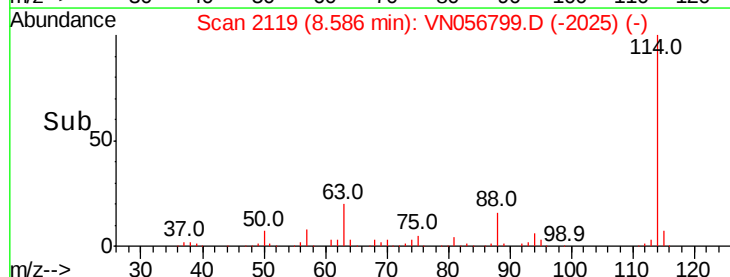
100000

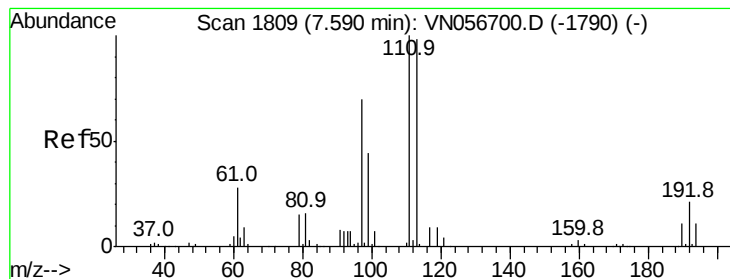
50000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 152869

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

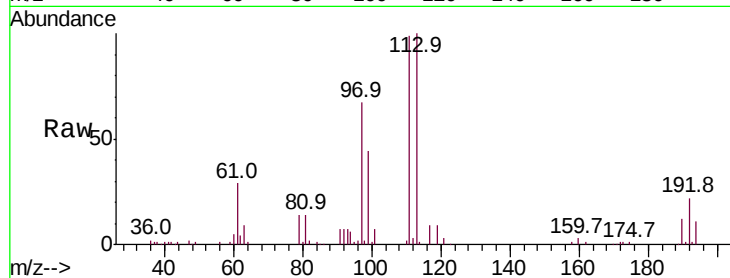
192 22.6 17.5 26.3

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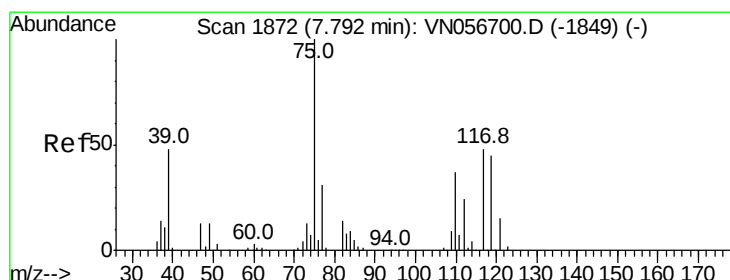
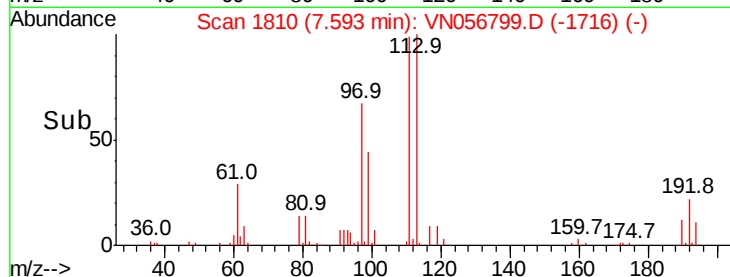
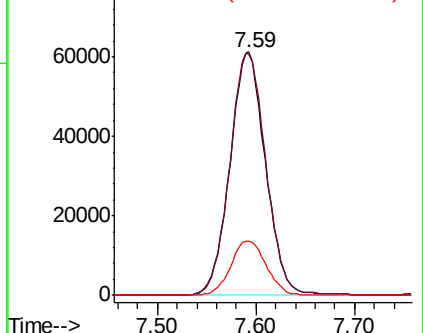
7/19/2019 1:06:39 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.128 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

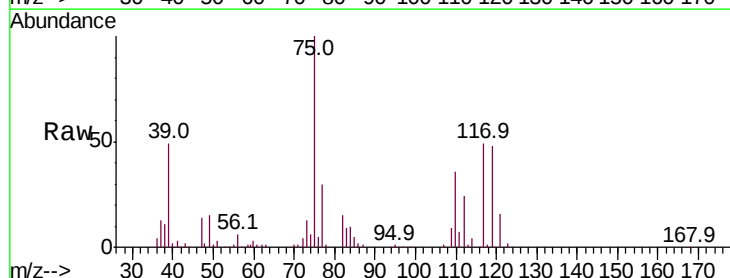
Tgt Ion: 75 Resp: 211423

Ion Ratio Lower Upper

75 100

110 37.3 18.4 55.4

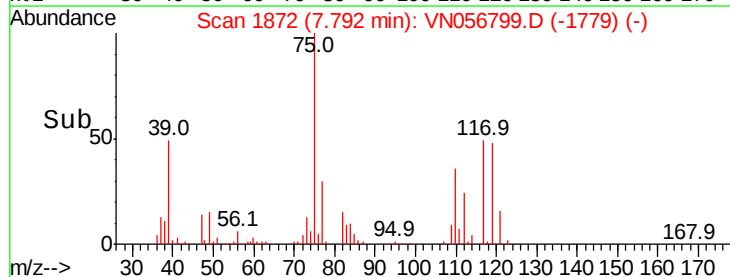
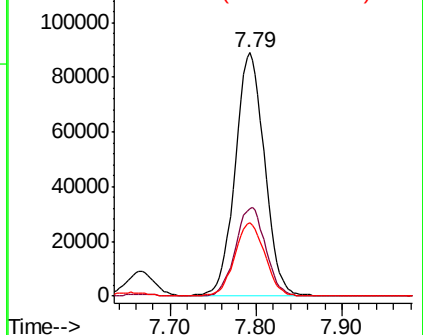
77 31.0 24.6 36.8

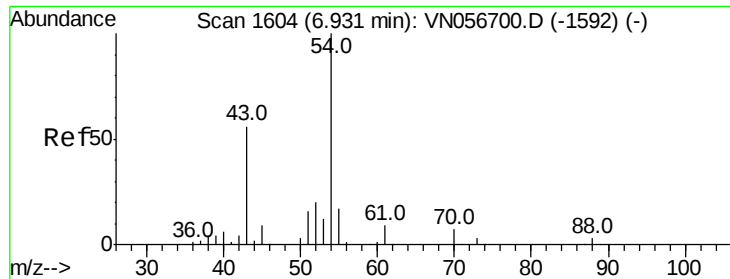


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





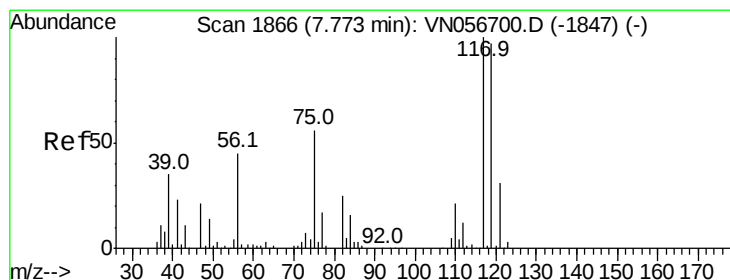
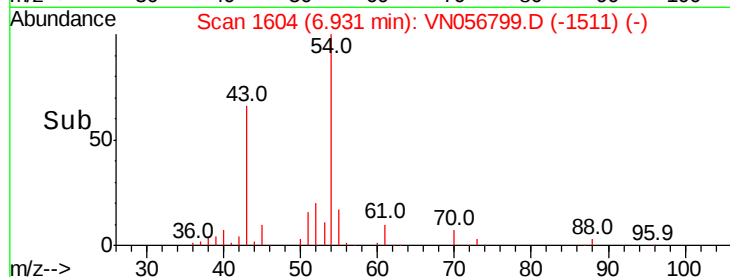
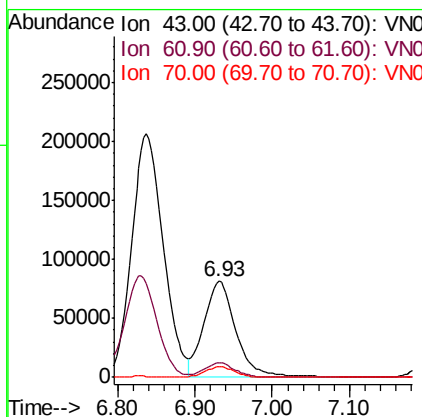
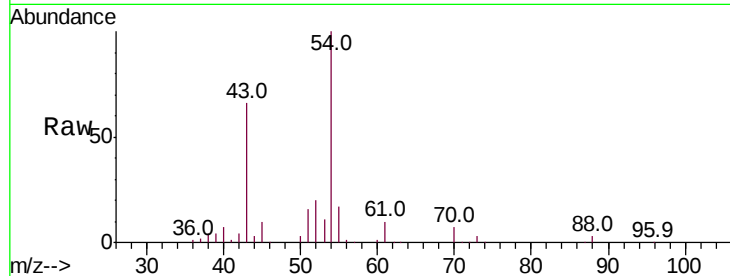
#37
Ethyl Acetate
Concen: 52.558 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.6	8.5	12.7

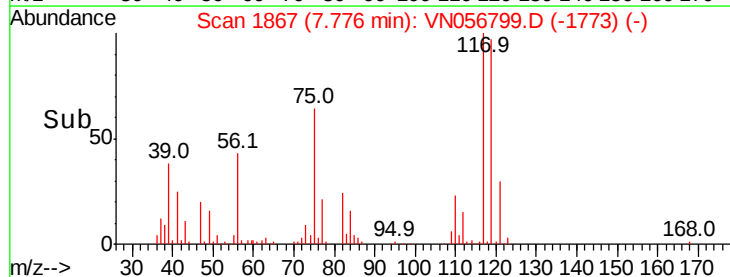
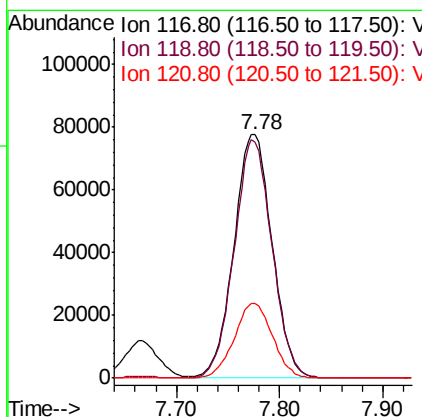
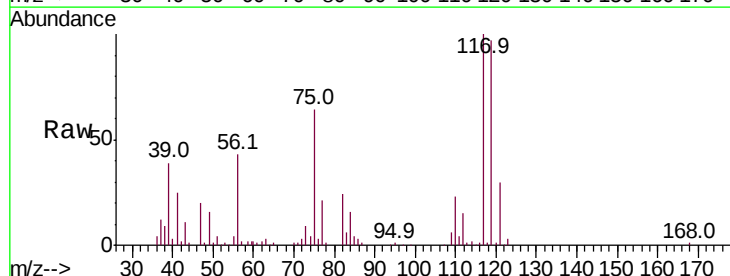
Manual Integrations
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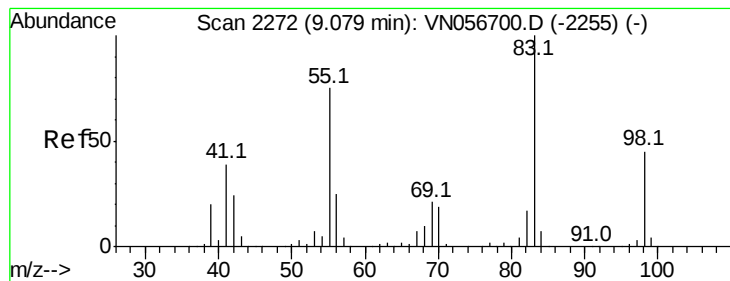
MMDadoda
7/19/2019 1:06:39 AM



#38
Carbon Tetrachloride
Concen: 47.734 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.5	116.3
121	30.4	24.7	37.1





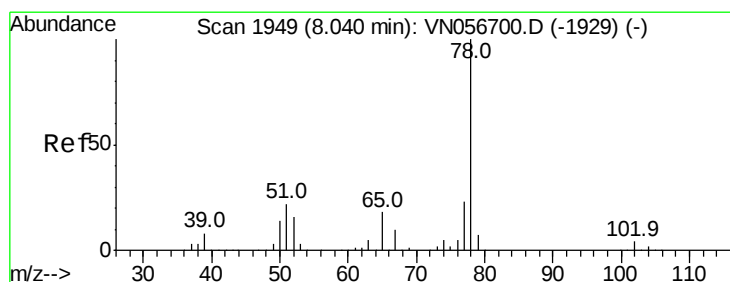
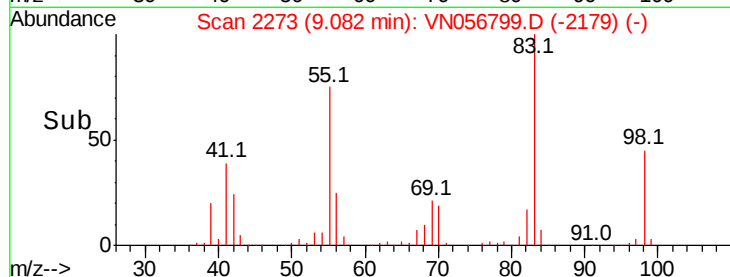
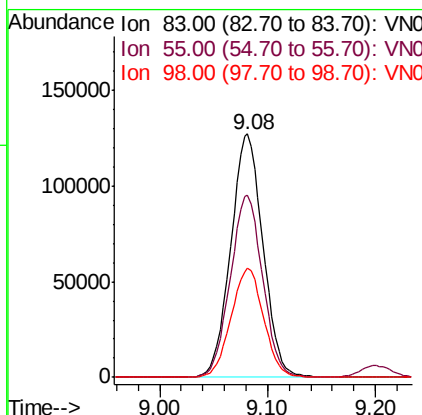
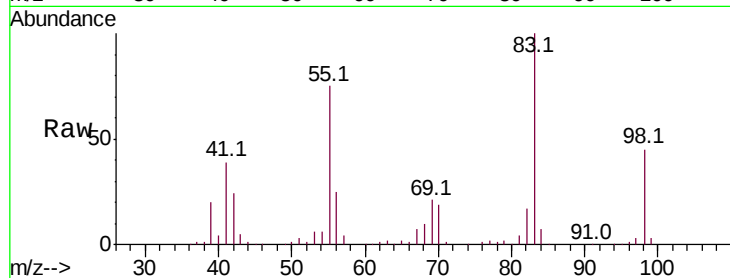
#39
Methvlcvclohexane
Concen: 47.809 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.4	90.6
98	44.9	35.8	53.8

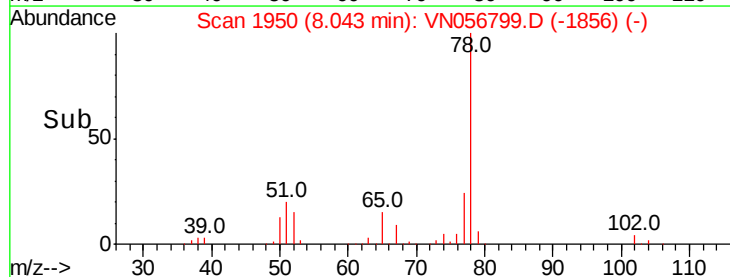
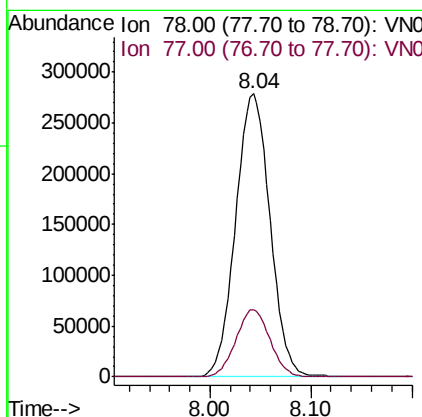
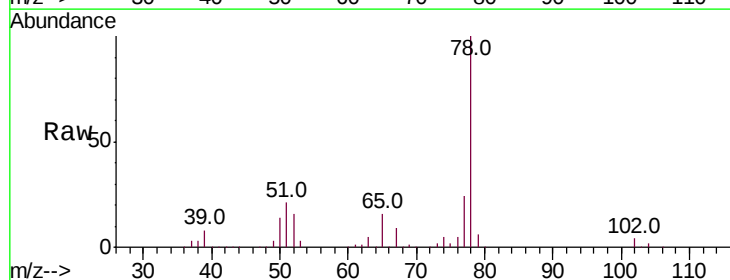
Manual Integrations
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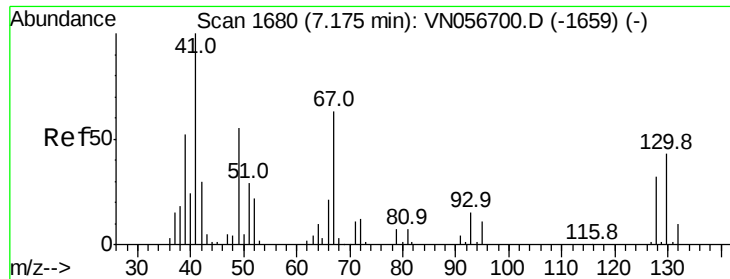
MMDadoda
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#40
Benzene
Concen: 47.973 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	27.8





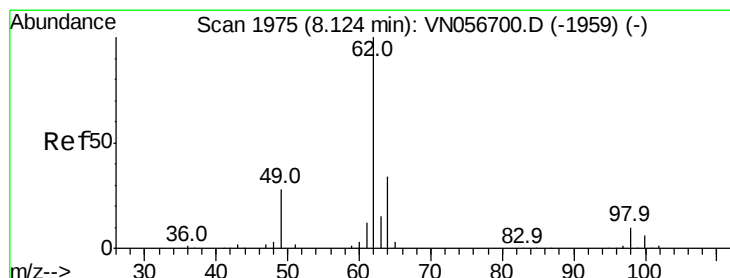
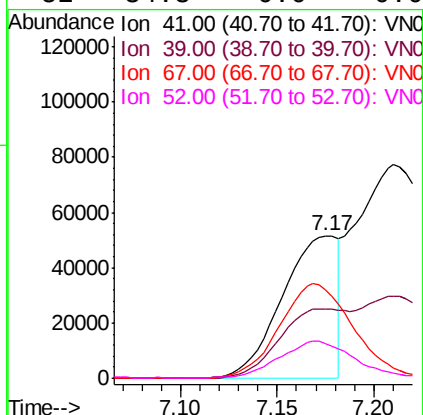
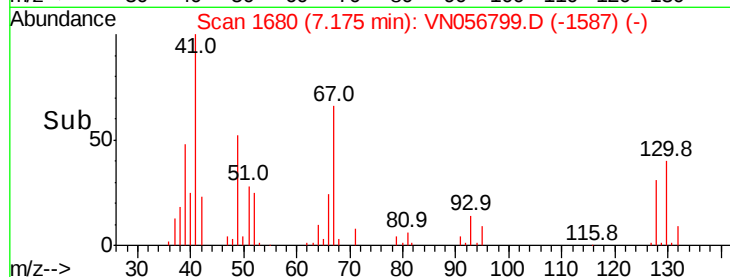
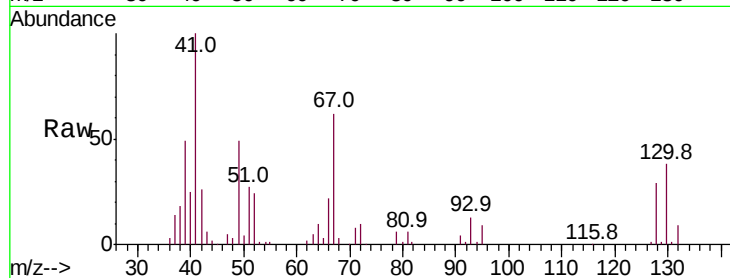
#41
Methacrylonitrile
Concen: 53.316 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.5	0.0	0.0#
67	88.8	0.0	0.0#
52	34.3	0.0	0.0#

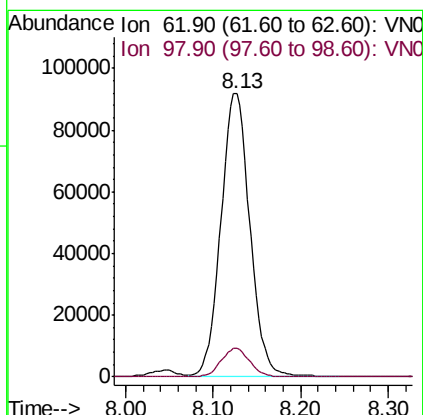
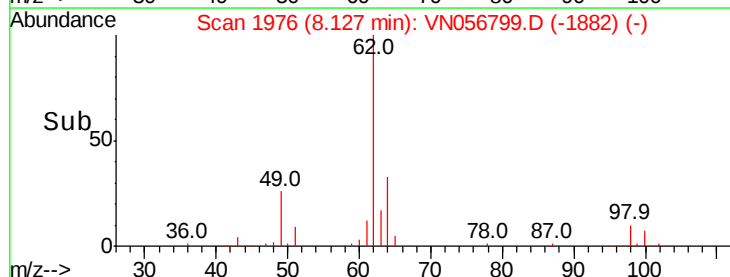
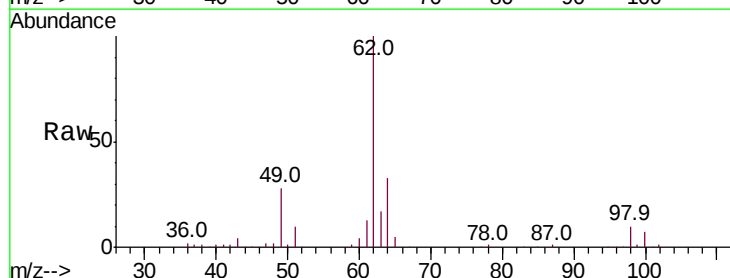
Manual Integrations
APPROVED

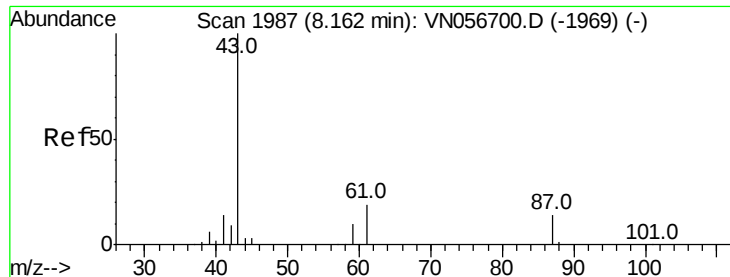
MMDadoda
7/19/2019 1:06:39 AM



#42
1,2-Dichloroethane
Concen: 48.547 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 50.984 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

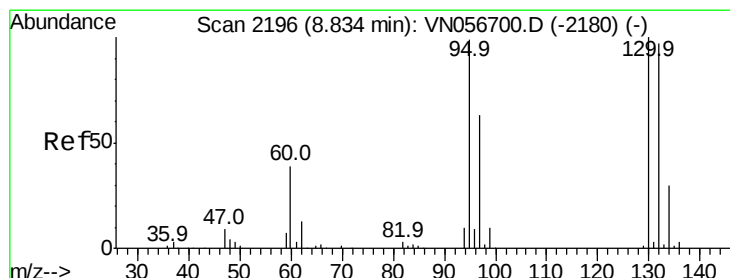
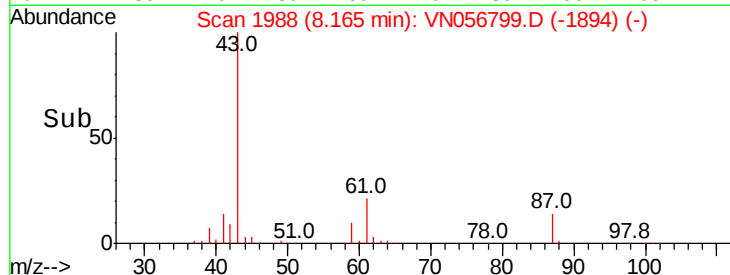
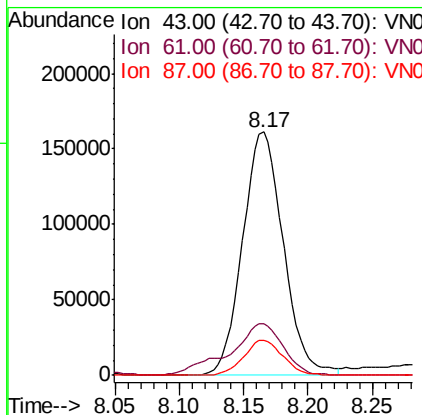
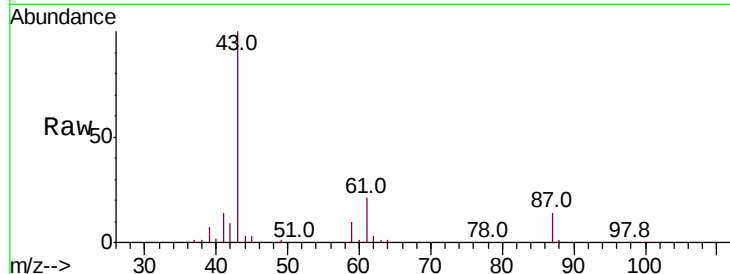
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	354389
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.3	33.5
87	14.0	11.1	16.7

Manual Integrations
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7/19/2019 1:06:39 AM



#44

Trichloroethene

Concen: 47.638 ug/l

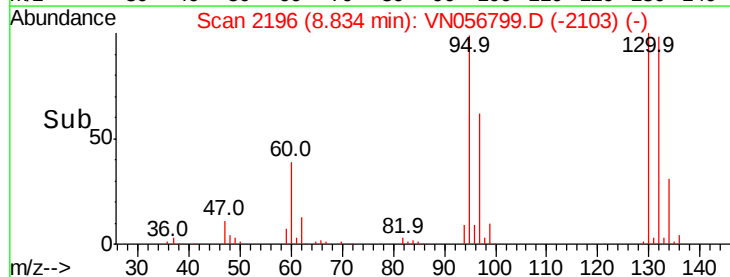
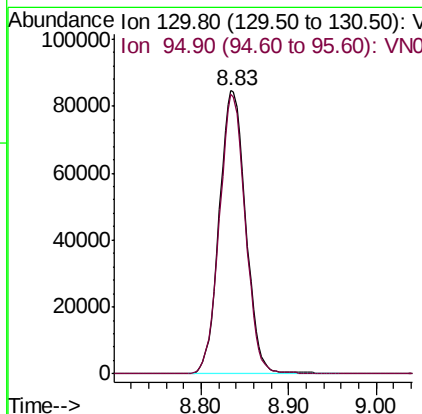
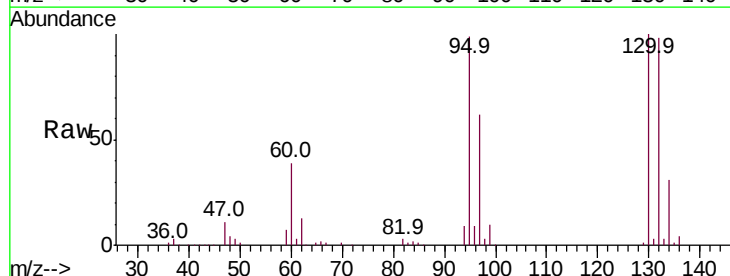
RT: 8.83 min Scan# 2196

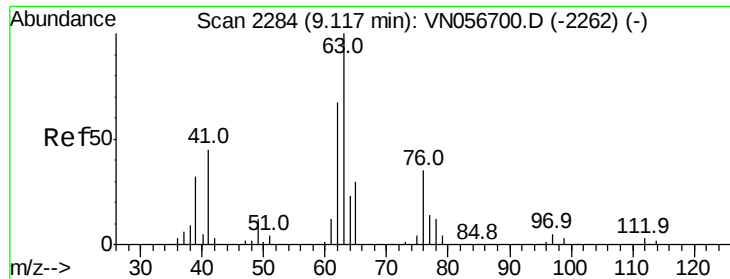
Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion:	130	Resp:	177819
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	197.2





#45

1,2-Dichloropropane

Concen: 48.929 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 178712

Ion Ratio Lower Upper

63 100

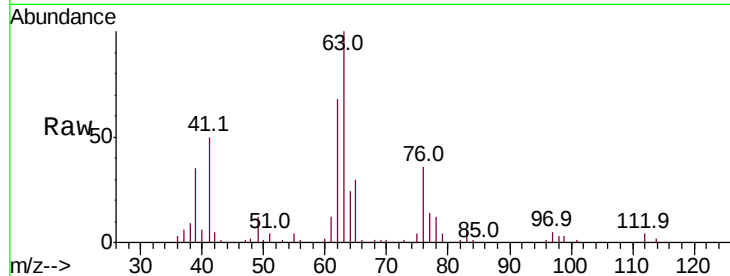
65 29.9 24.0 36.0

Manual Integrations

APPROVED

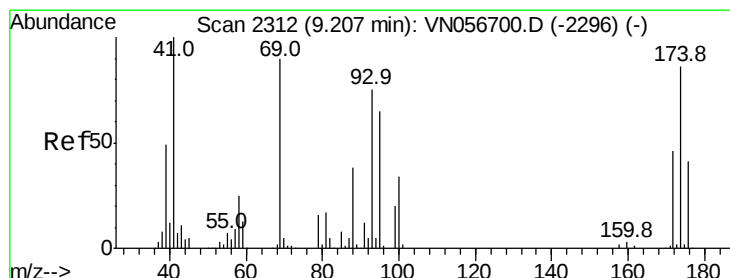
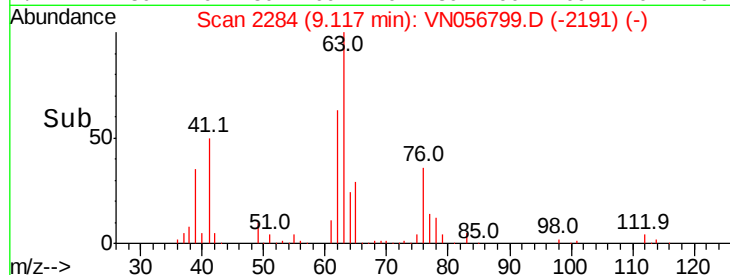
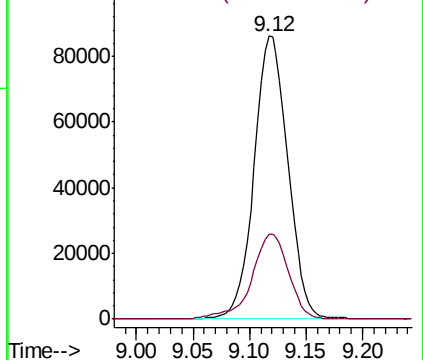
MMDadoda

7/19/2019 1:06:39 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.774 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

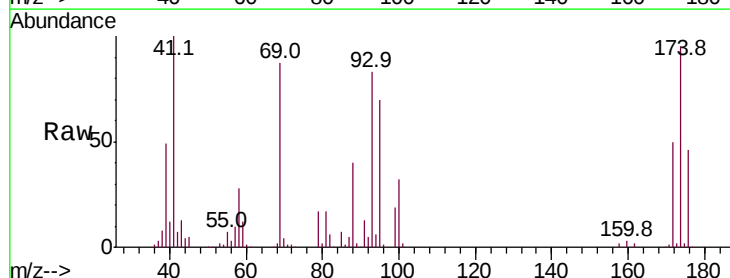
Tgt Ion: 93 Resp: 112660

Ion Ratio Lower Upper

93 100

95 84.1 67.4 101.0

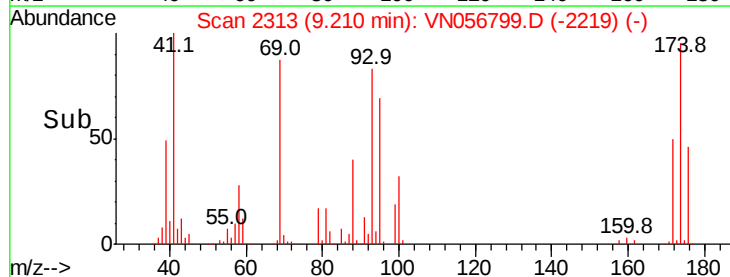
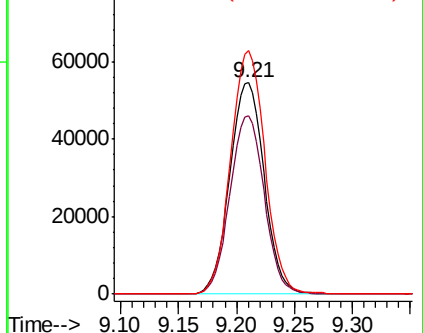
174 114.8 90.3 135.5

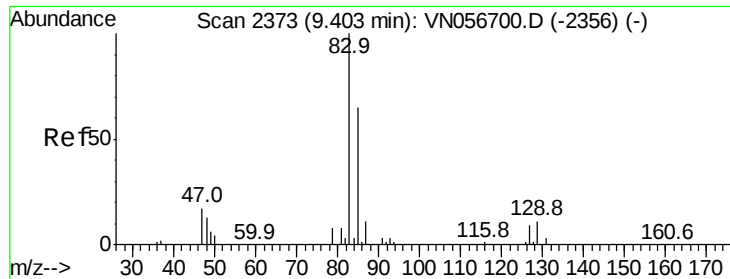


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.938 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

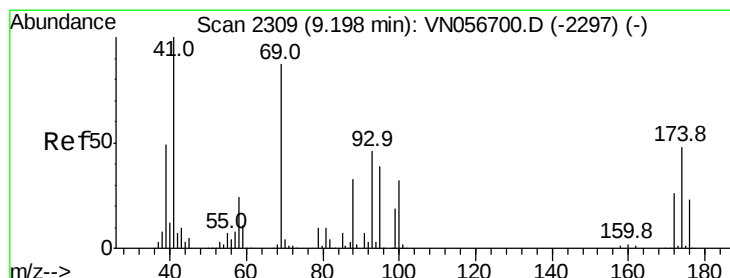
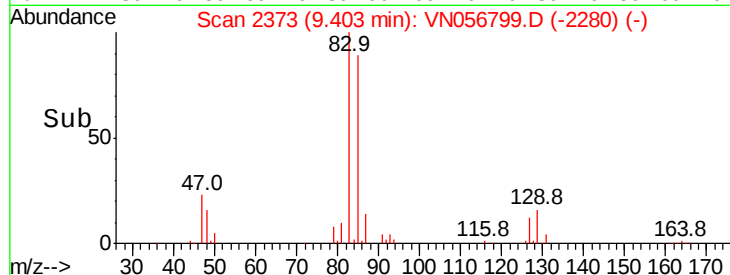
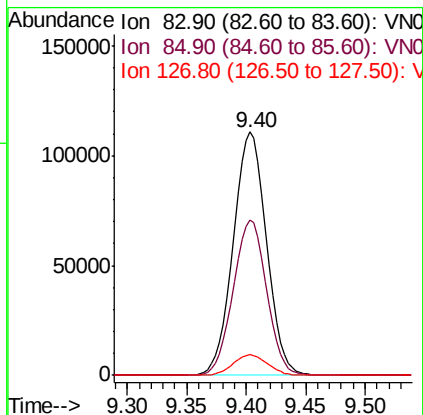
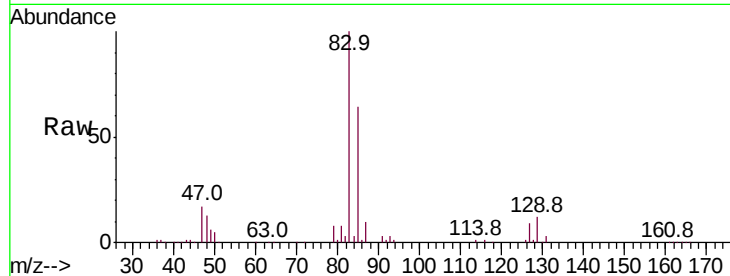
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	214790
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5
127	8.5	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.125 ug/l

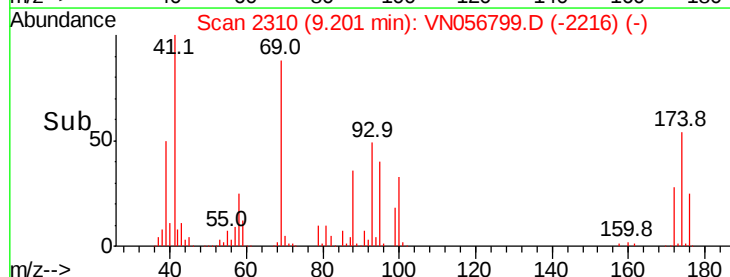
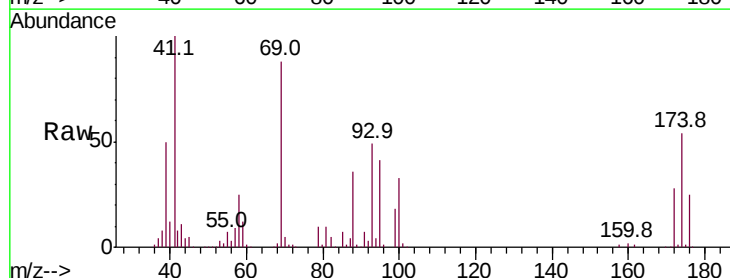
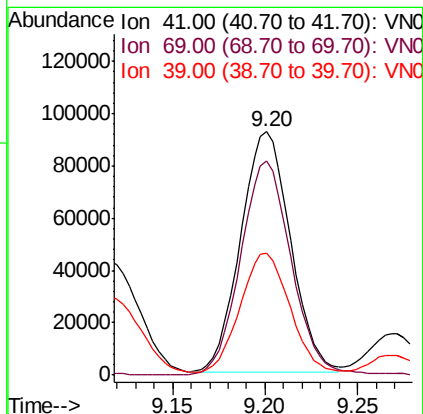
RT: 9.20 min Scan# 2310

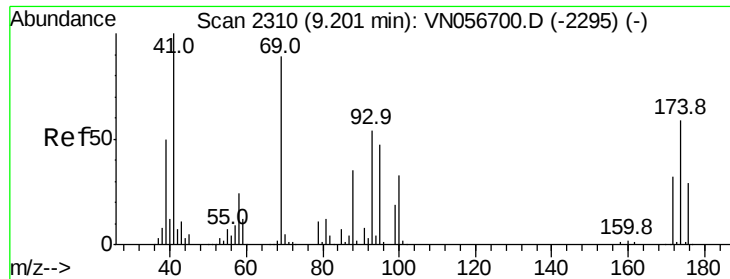
Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion:	41	Resp:	171859
Ion	Ratio	Lower	Upper
41	100		
69	90.8	71.4	107.0
39	51.4	41.2	61.8





#49

1,4-Dioxane

Concen: 1064.358 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 73415

Ion Ratio Lower Upper

88 100

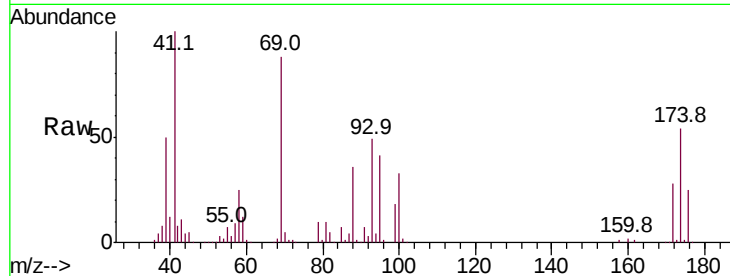
43 29.0 23.7 35.5

58 68.4 55.6 83.4

Manual Integrations
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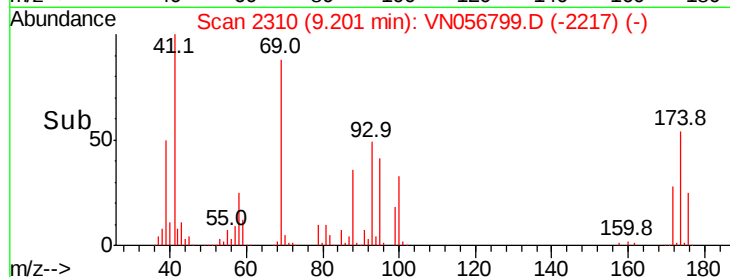


Abundance Ion 88.00 (87.70 to 88.70): VN056799.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN056799.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN056799.D (-2217) (-)

Time-->

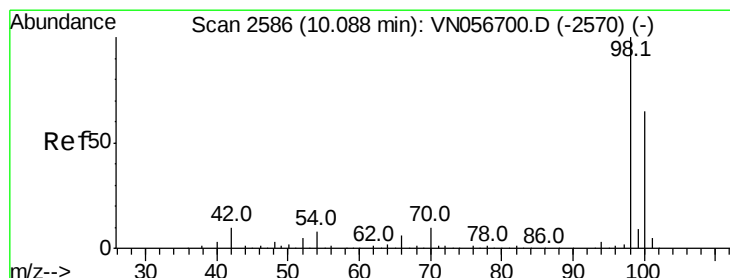


Abundance Ion 88.00 (87.70 to 88.70): VN056799.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN056799.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN056799.D (-2217) (-)

Time-->



#50

Toluene-d8

Concen: 50.089 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056799.D

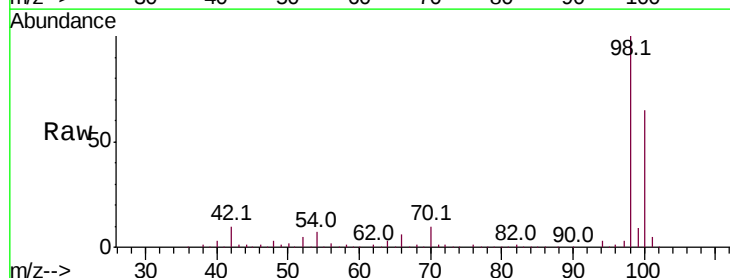
Acq: 17 Jul 2019 16:07

Tgt Ion: 98 Resp: 583653

Ion Ratio Lower Upper

98 100

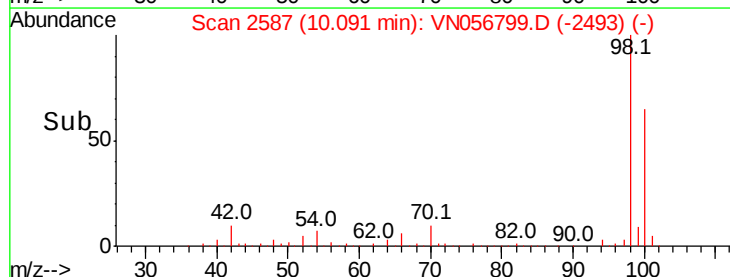
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056799.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056799.D (-2493) (-)

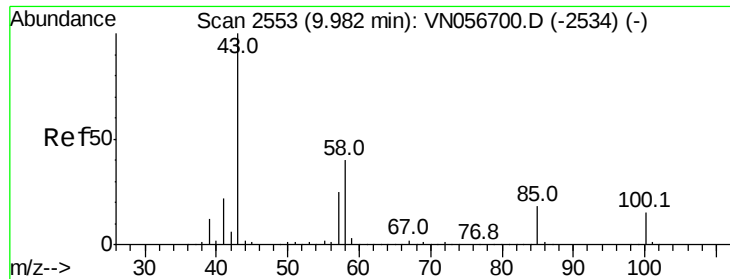
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN056799.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056799.D (-2493) (-)

Time-->



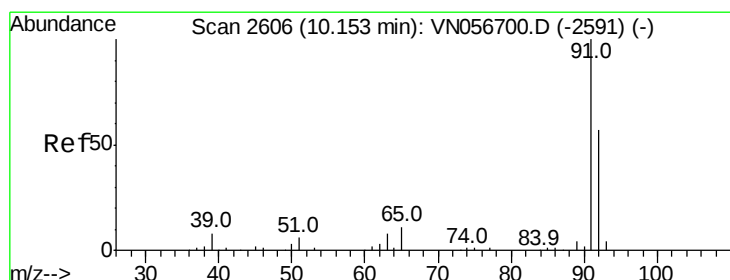
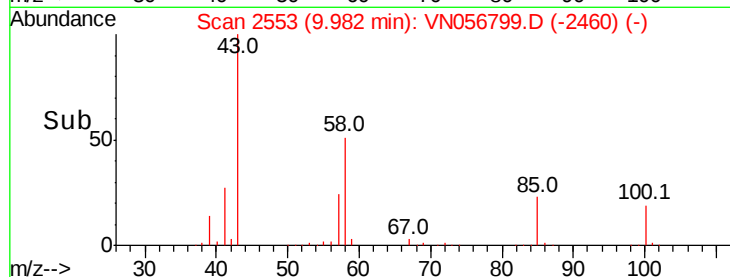
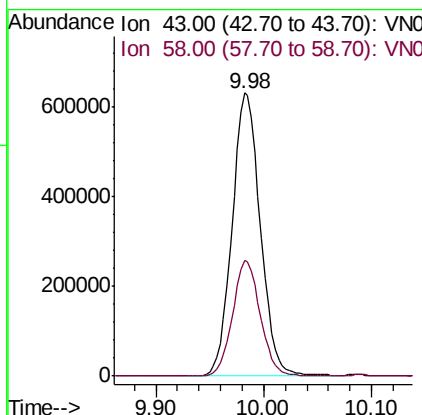
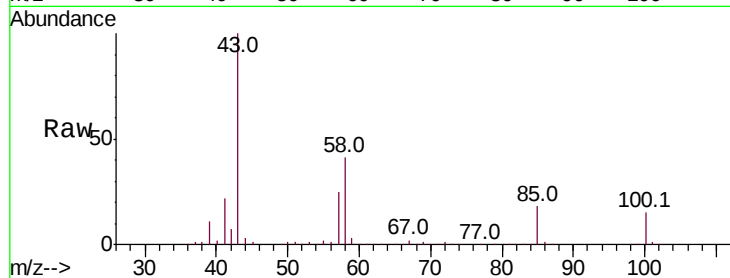
#51
4-Methyl-2-Pentanone
Concen: 255.318 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1149448
Ion Ratio Lower Upper
43 100
58 40.3 32.0 48.0

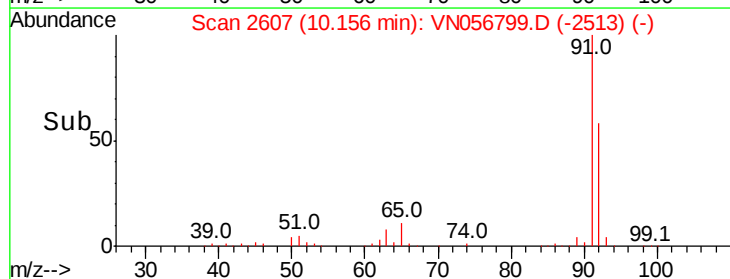
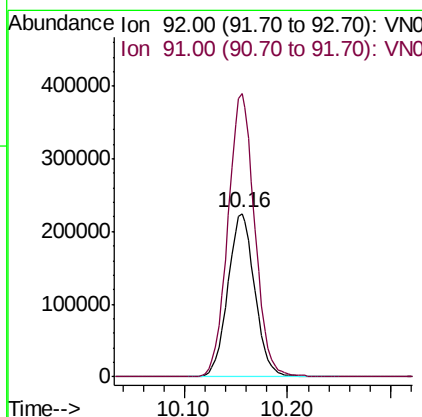
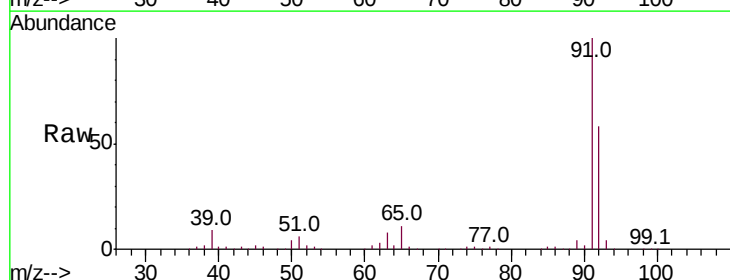
Manual Integrations
APPROVED

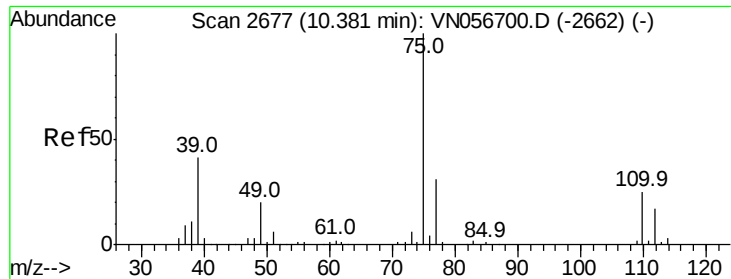
MMDadoda
7/19/2019 1:06:39 AM



#52
Toluene
Concen: 50.036 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 92 Resp: 408460
Ion Ratio Lower Upper
92 100
91 172.9 139.9 209.9





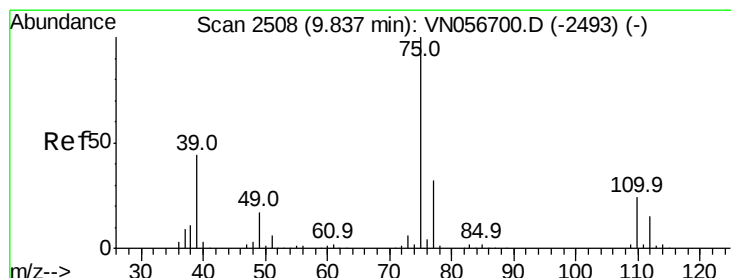
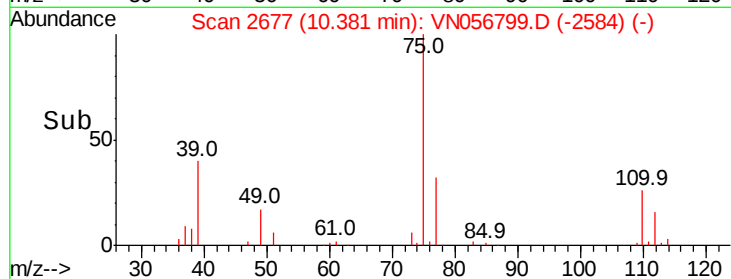
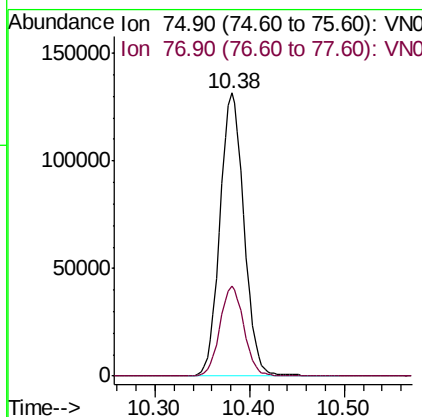
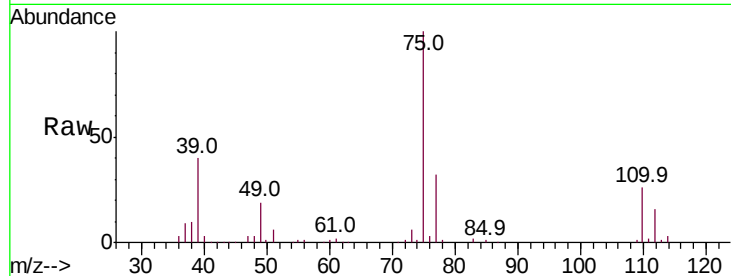
#53
t-1,3-Dichloropropene
Concen: 51.796 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 232429
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

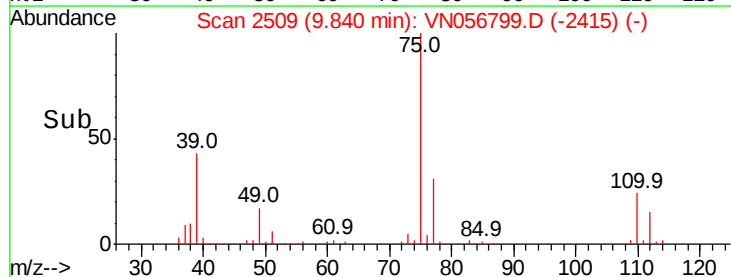
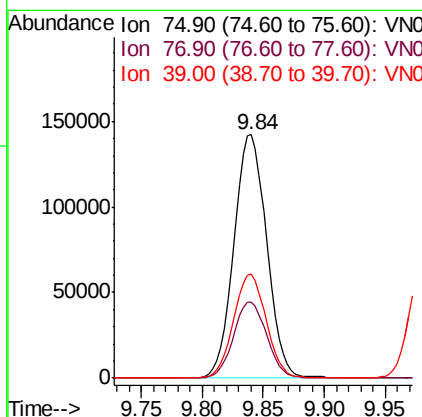
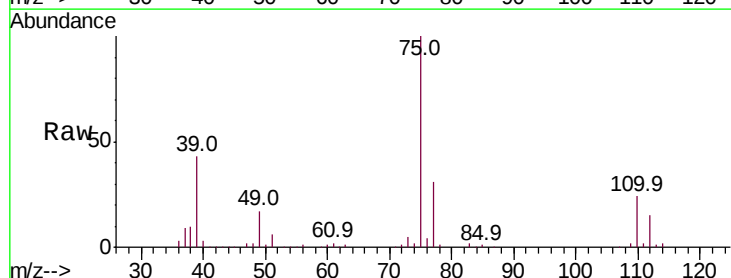
Manual Integrations
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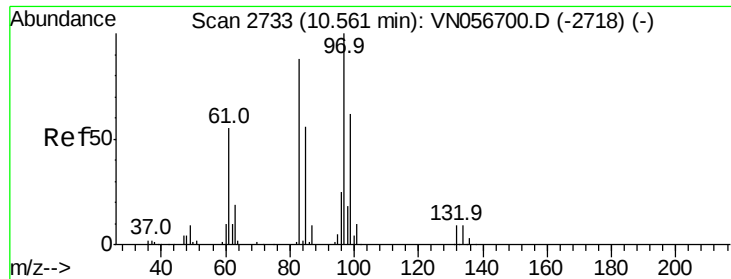
MMDadoda
7/19/2019 1:06:39 AM



#54
cis-1,3-Dichloropropene
Concen: 50.817 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 75 Resp: 264621
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
39 42.6 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 48.629 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

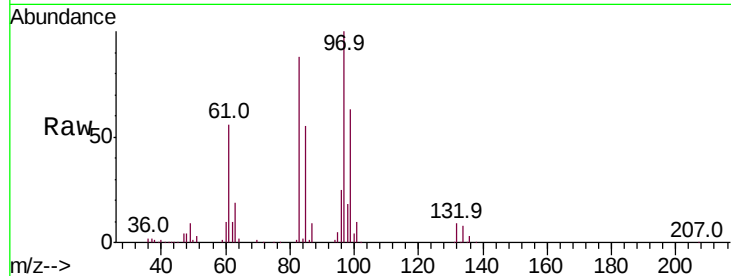
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	166503
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.3	105.5
85	55.4	44.8	67.2
99	62.7	49.6	74.4

Manual Integrations
APPROVED

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7/19/2019 1:06:39 AM

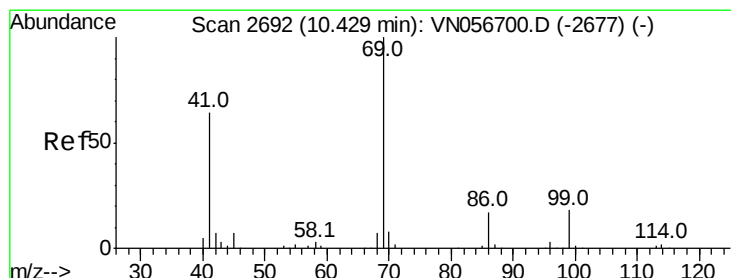
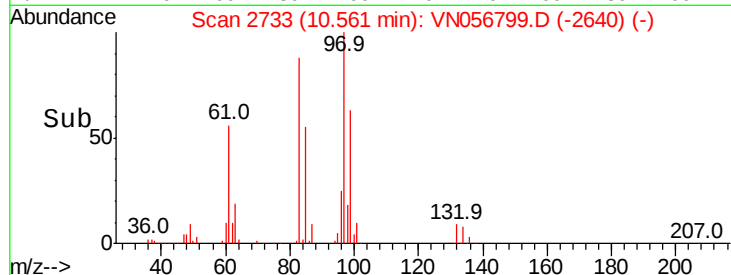
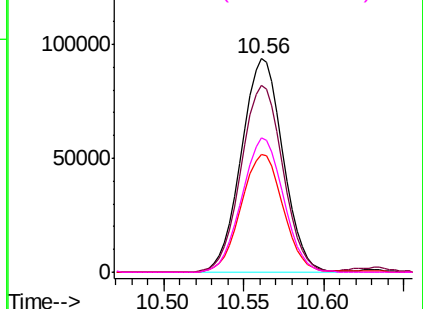


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.084 ug/l

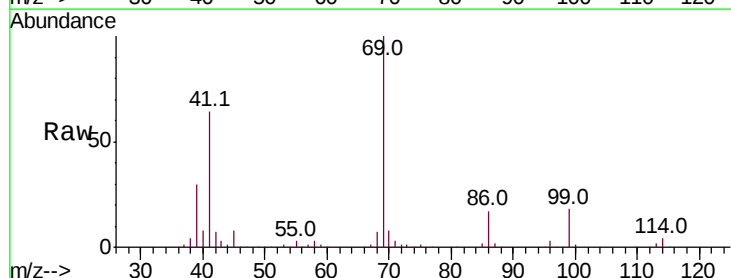
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

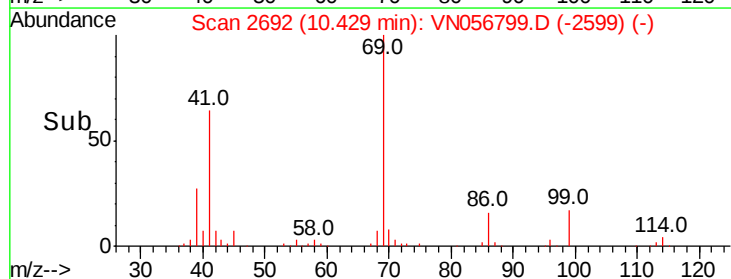
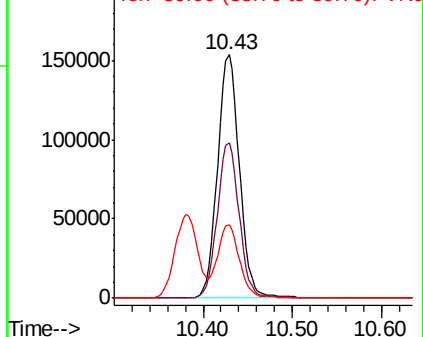
Tgt Ion:	69	Resp:	261522
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	29.6	24.6	36.8

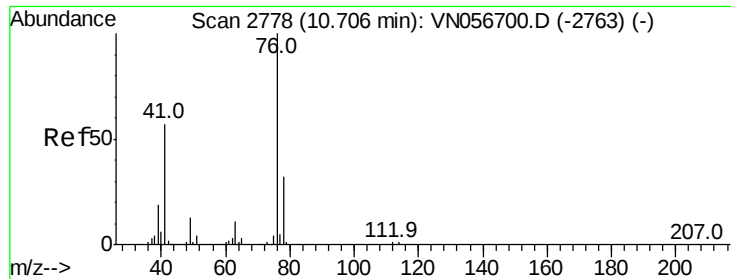


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.929 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 279209

Ion Ratio Lower Upper

76 100

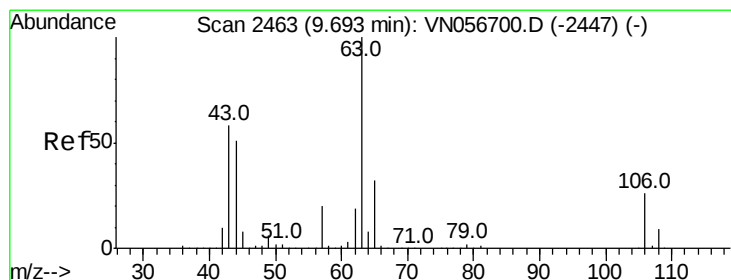
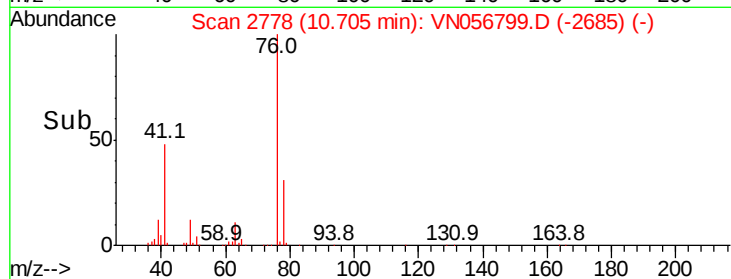
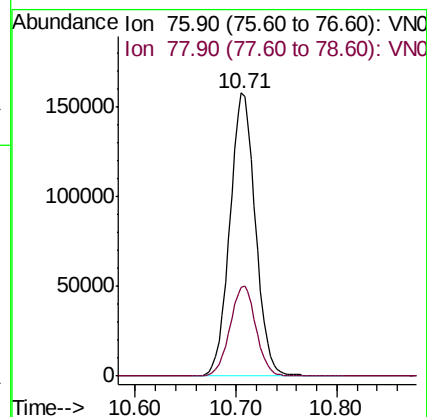
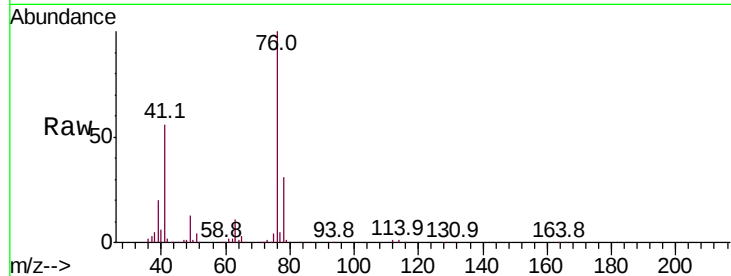
78 32.3 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 254.682 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056799.D

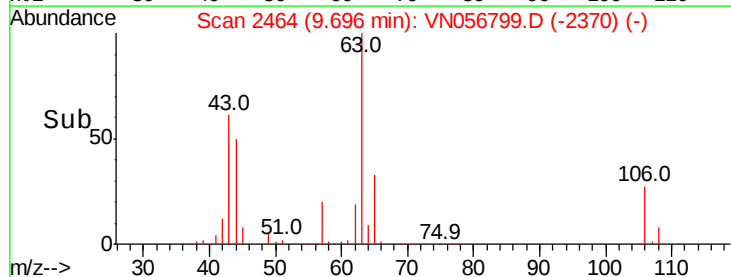
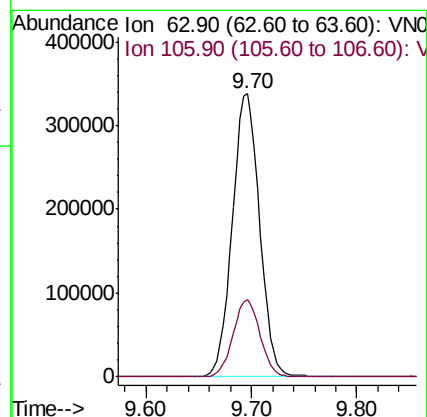
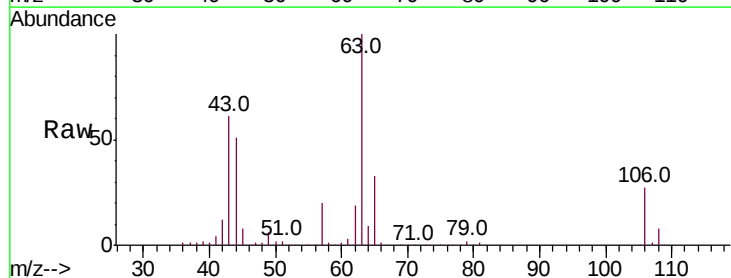
Acq: 17 Jul 2019 16:07

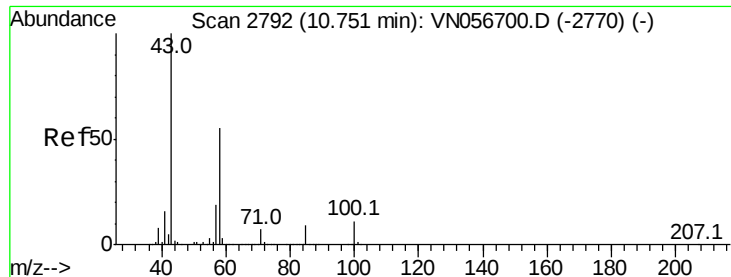
Tgt Ion: 63 Resp: 603353

Ion Ratio Lower Upper

63 100

106 26.9 21.2 31.8





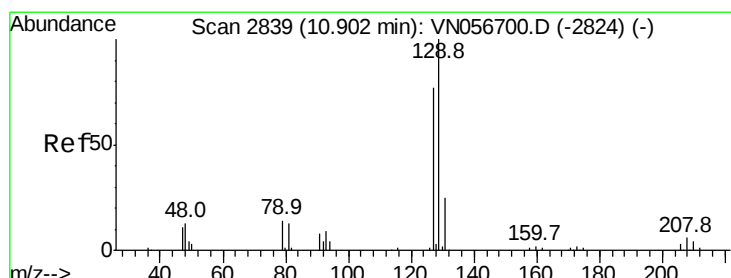
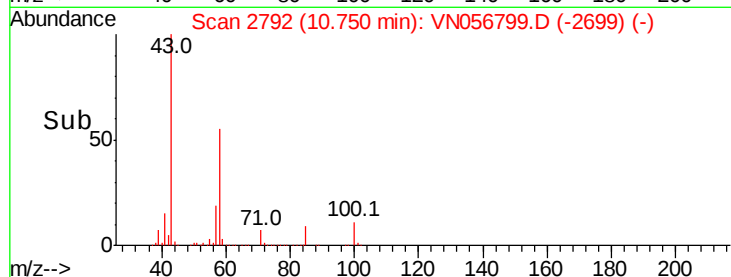
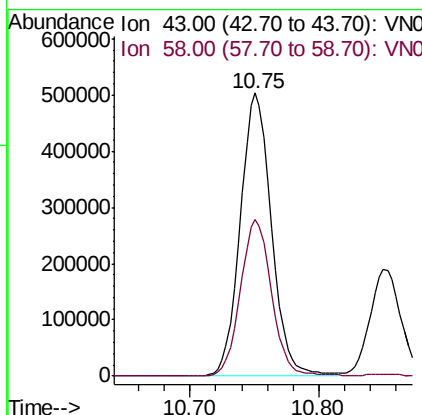
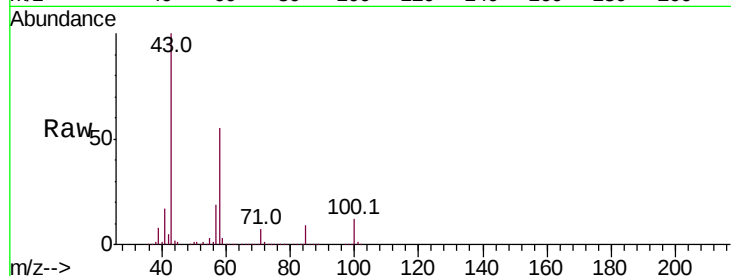
#59
2-Hexanone
Concen: 261.785 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	Resp	845659	Lower	Upper
43	100							
58	55.7				27.9		83.6	

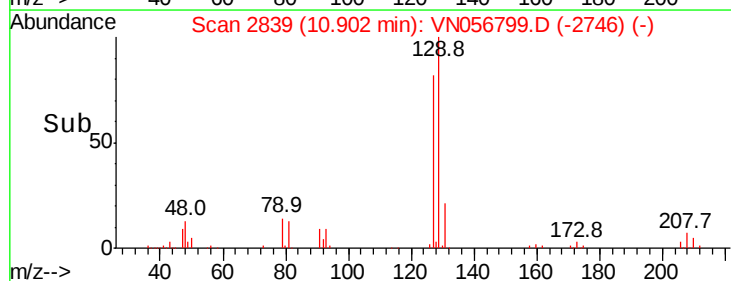
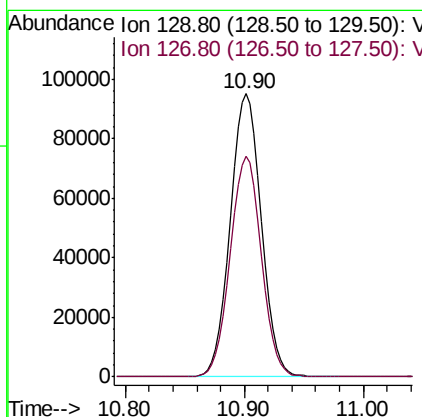
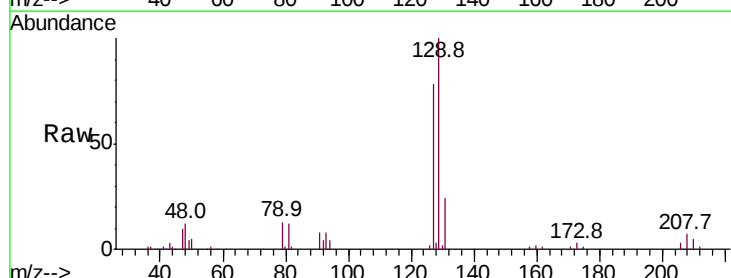
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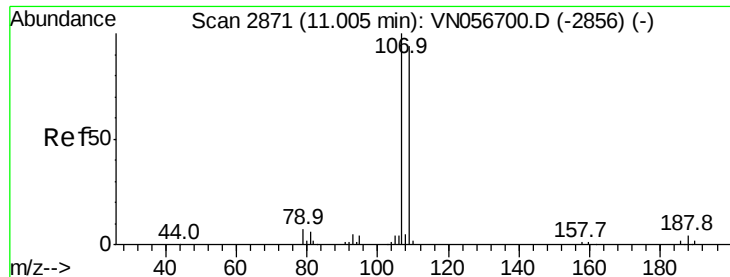
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#60
Dibromochloromethane
Concen: 51.126 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	129	127	Ratio	100	Resp	172160	Lower	Upper
129	100							
127	78.1				38.2		114.6	





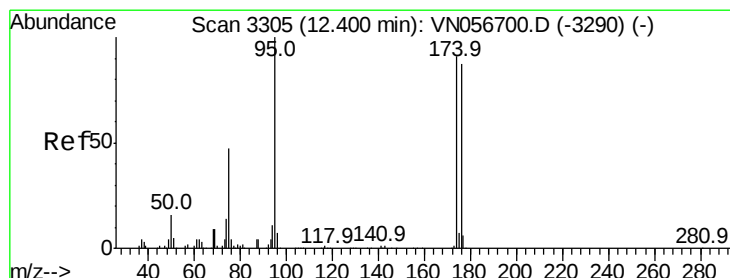
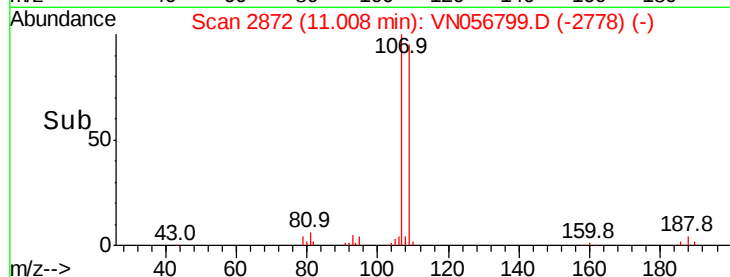
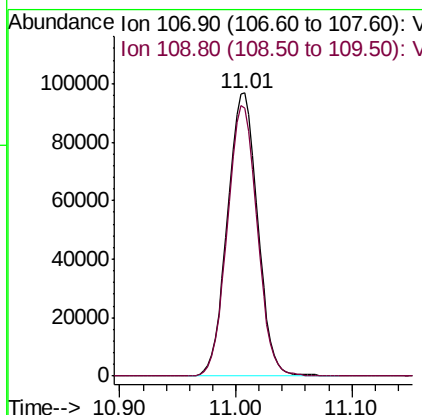
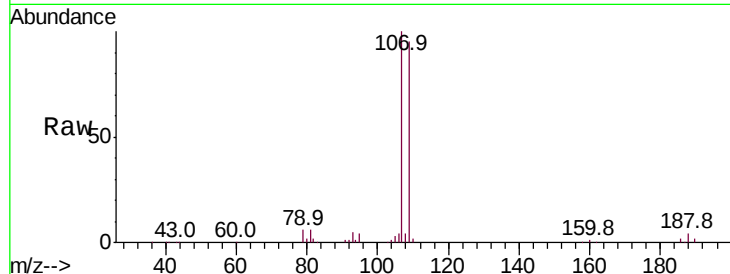
#61
 1,2-Dibromoethane
 Concen: 51.207 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 174243
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.2 114.4

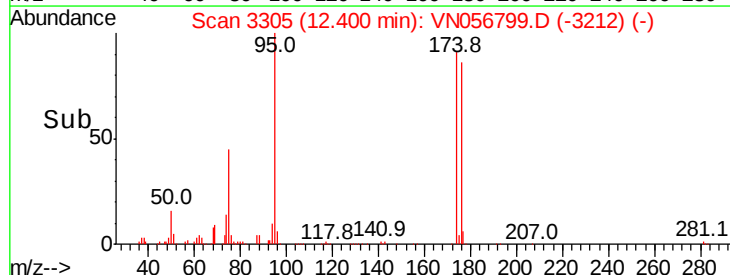
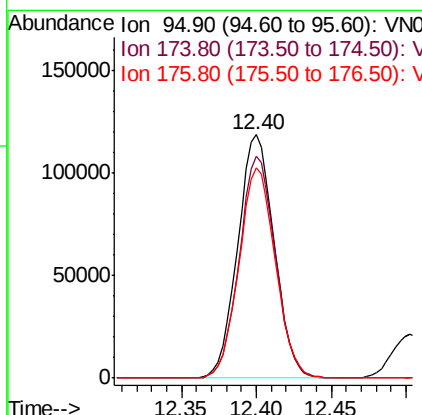
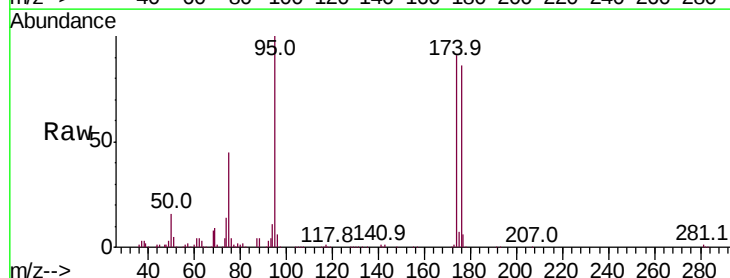
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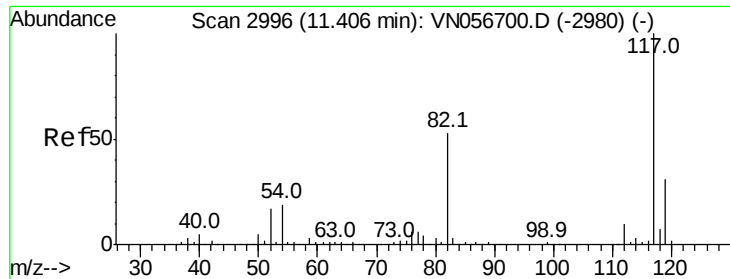
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#62
 4-Bromofluorobenzene
 Concen: 51.242 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion: 95 Resp: 201359
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 180.0
 176 86.5 0.0 173.2





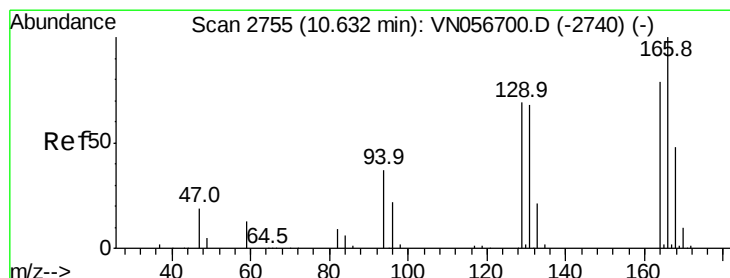
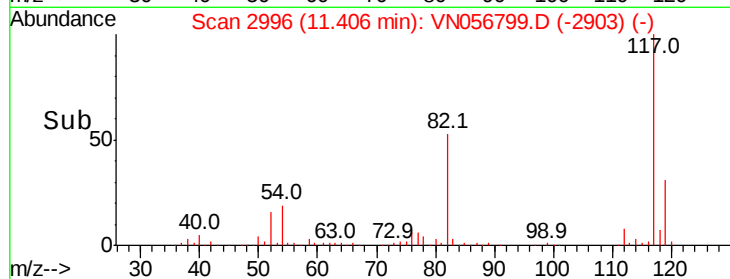
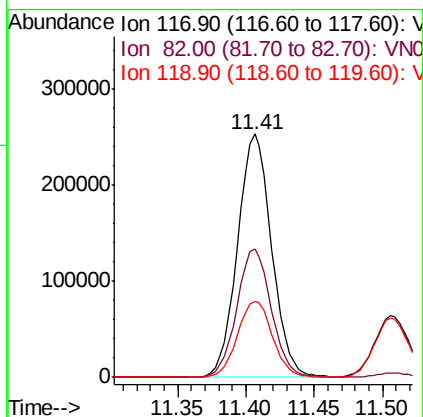
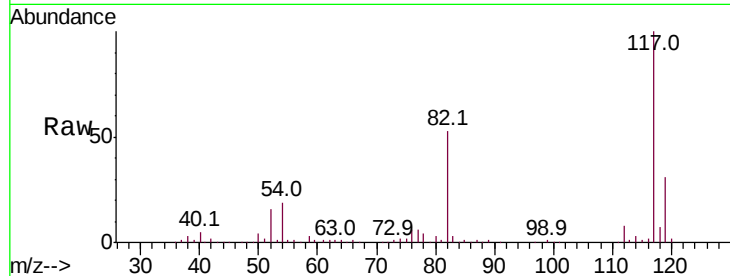
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.2
119	31.4	25.2	37.8

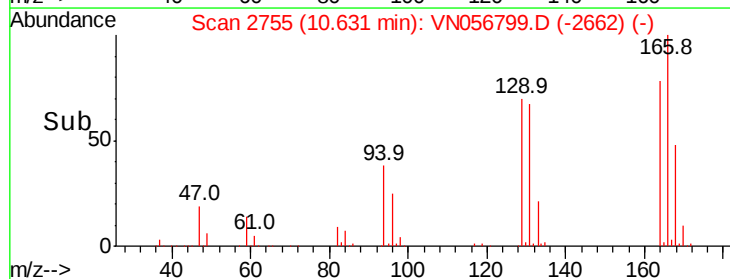
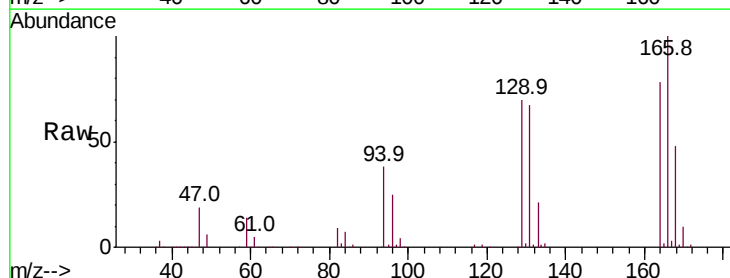
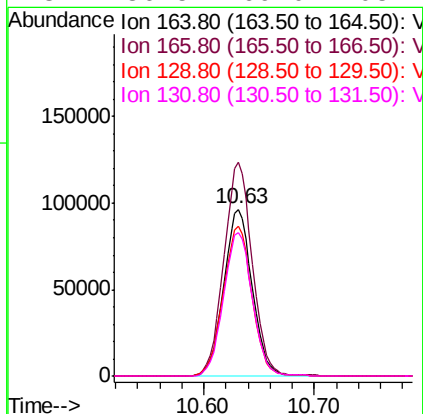
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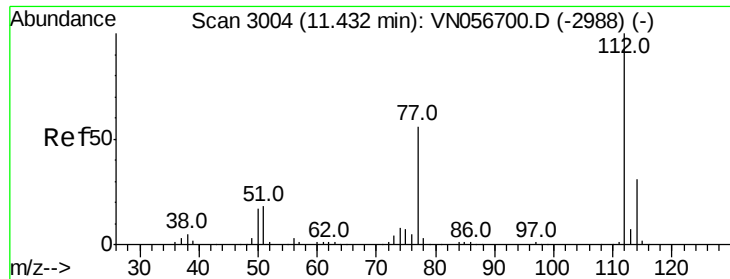
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#64
Tetrachloroethene
Concen: 45.325 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.4	152.2
129	89.9	69.6	104.4
131	86.5	69.0	103.4





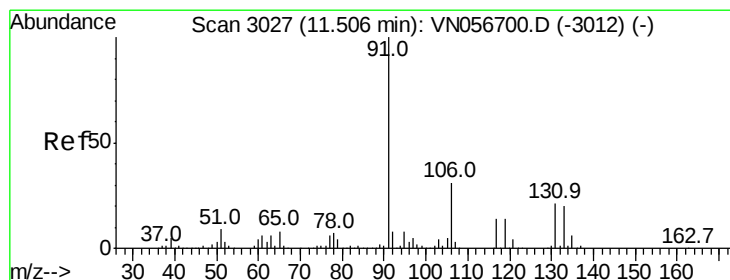
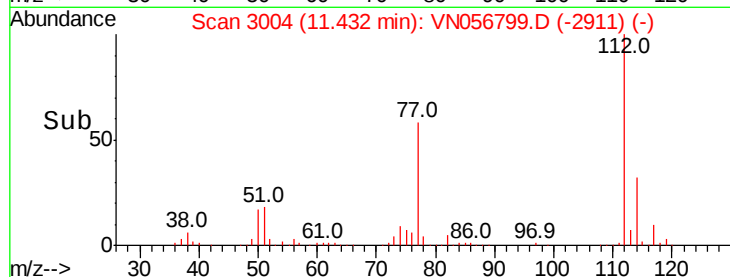
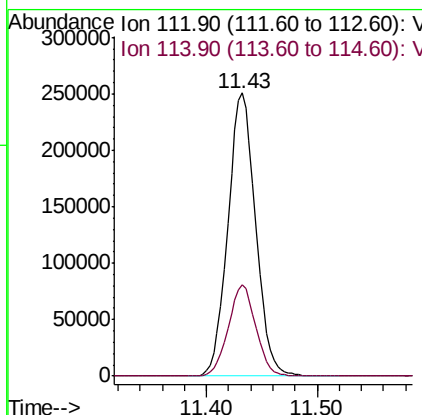
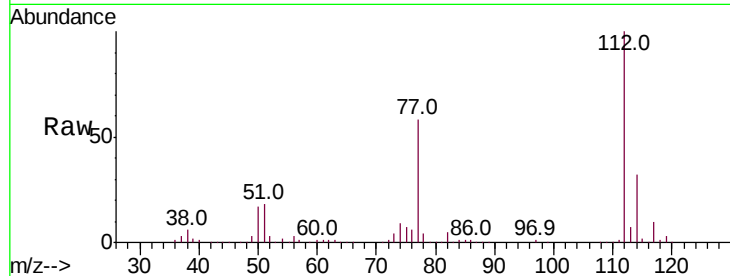
#65
Chlorobenzene
Concen: 48.510 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 435768
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

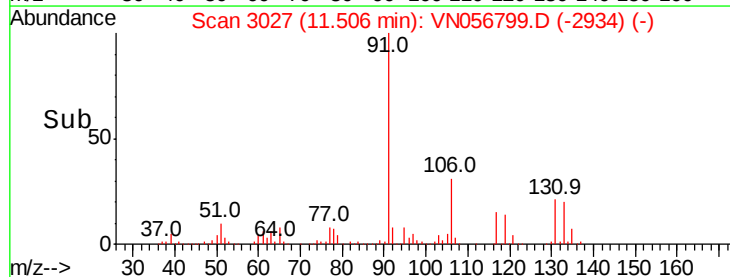
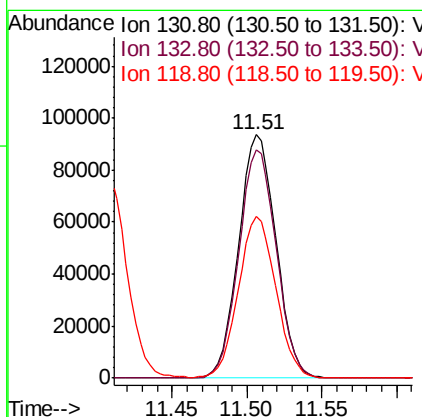
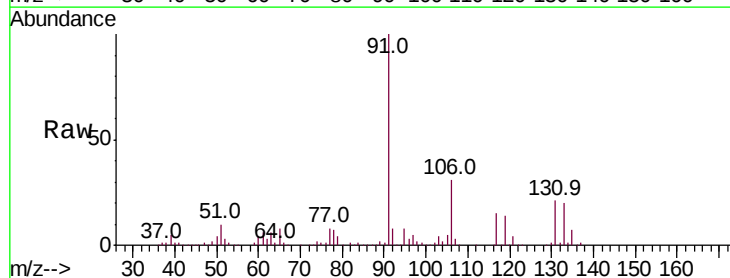
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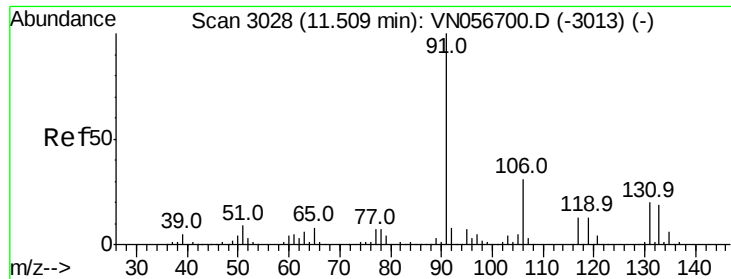
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.131 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion:131 Resp: 162501
Ion Ratio Lower Upper
131 100
133 94.2 46.9 140.7
119 66.6 32.8 98.3





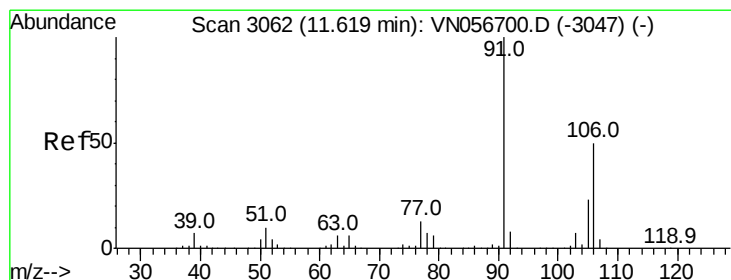
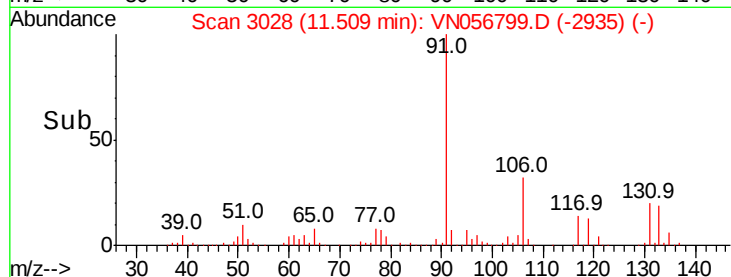
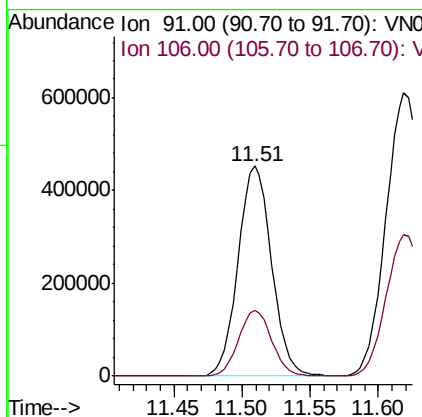
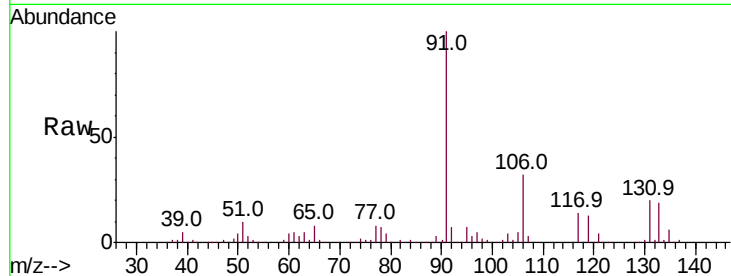
#67
Ethyl Benzene
Concen: 48.884 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 771740
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2

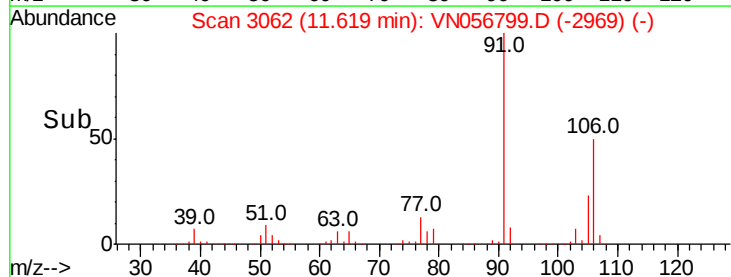
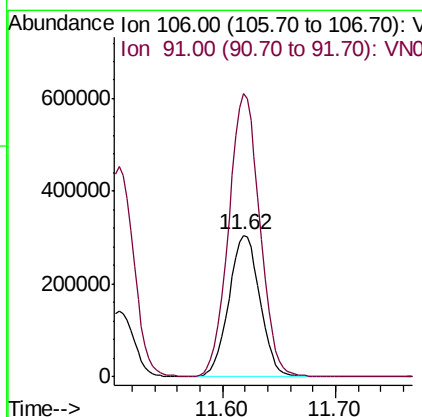
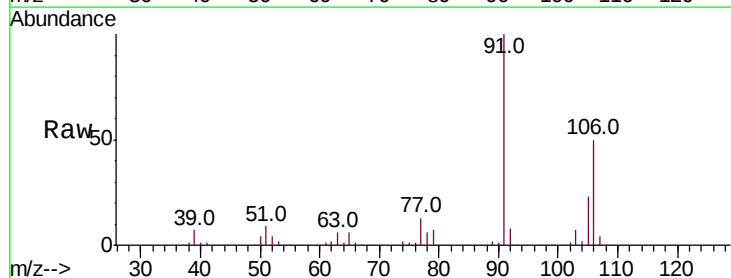
Manual Integrations
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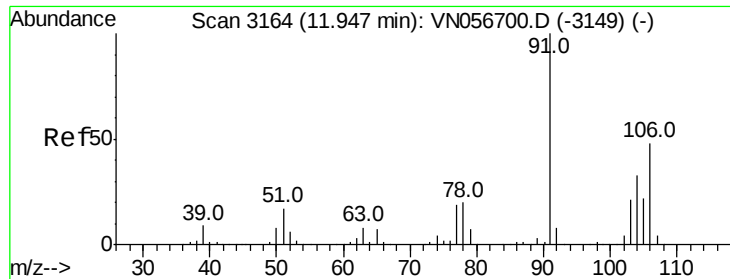
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#68
m/p-Xylenes
Concen: 99.179 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion: 106 Resp: 585157
Ion Ratio Lower Upper
106 100
91 199.8 160.5 240.7





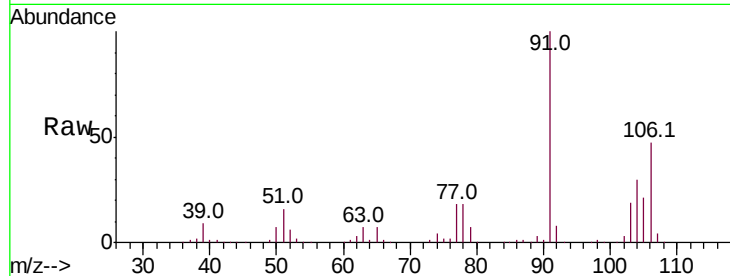
#69
o-Xylene
Concen: 48.842 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

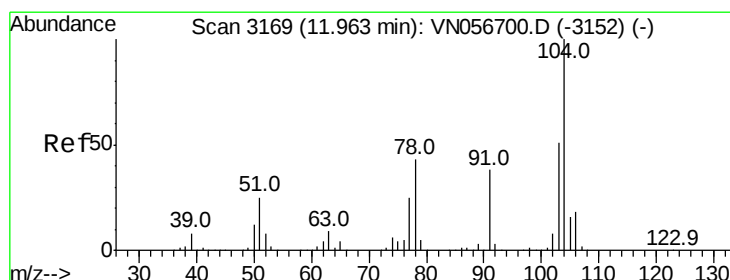
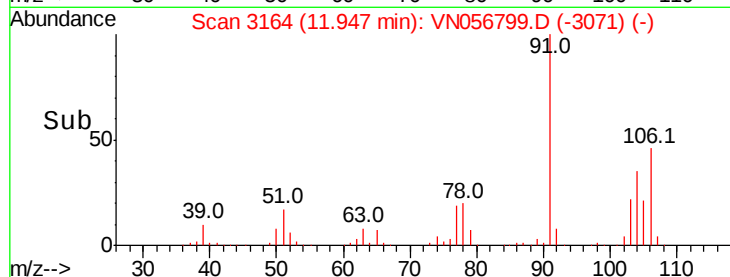
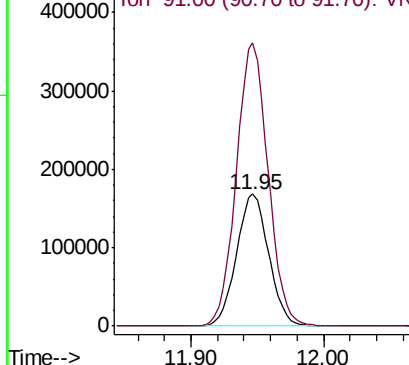
Tot Ion:106 Resp: 283304
Ion Ratio Lower Upper
106 100
91 211.7 105.6 316.8

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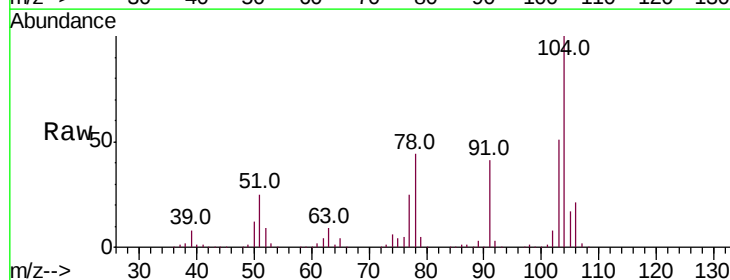


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

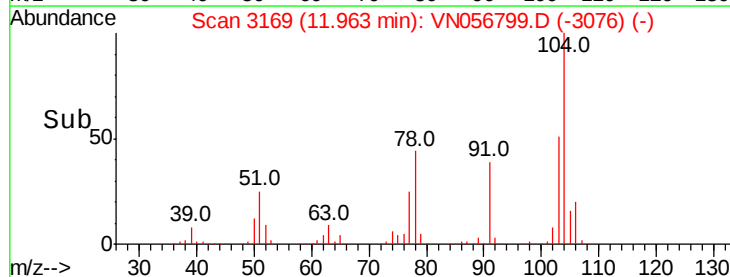
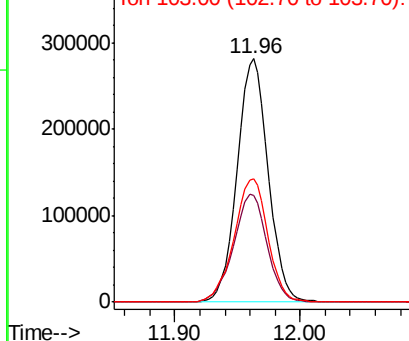


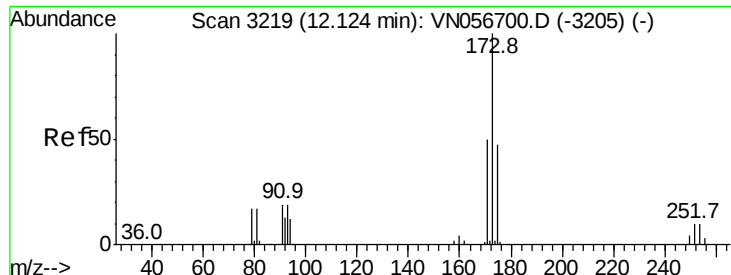
#70
Styrene
Concen: 51.634 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion:104 Resp: 484203
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.1 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





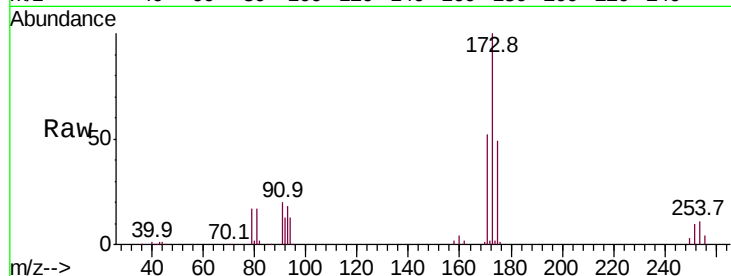
#71
Bromoform
Concen: 51.689 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

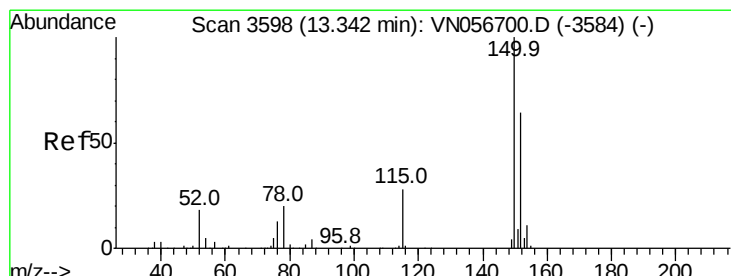
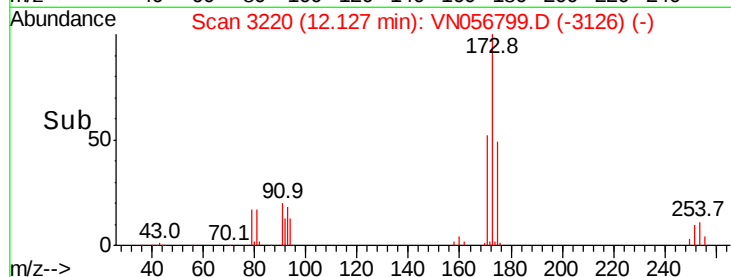
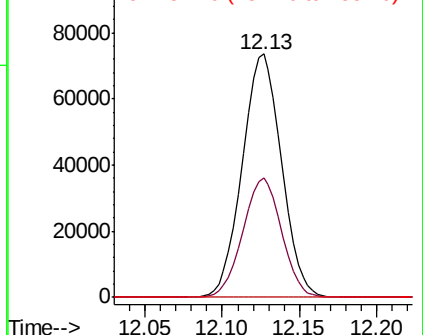
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.8	71.4
254	0.0	0.0	0.0

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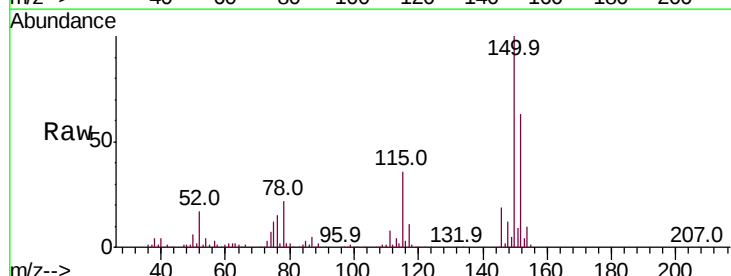


Abundance Ion 172.70 (172.40 to 173.40): V
100000 Ion 174.70 (174.40 to 175.40): V
80000 Ion 254.40 (254.10 to 255.10): V
60000
40000
20000
0

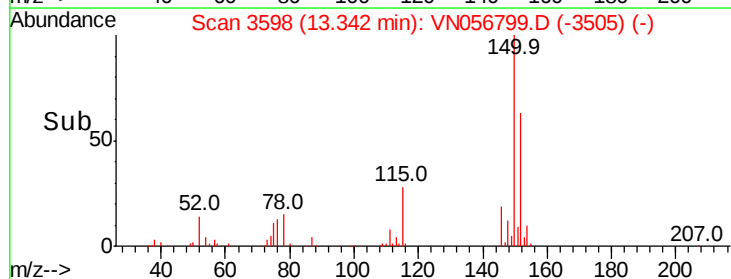
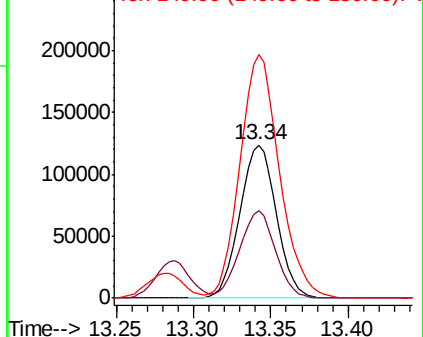


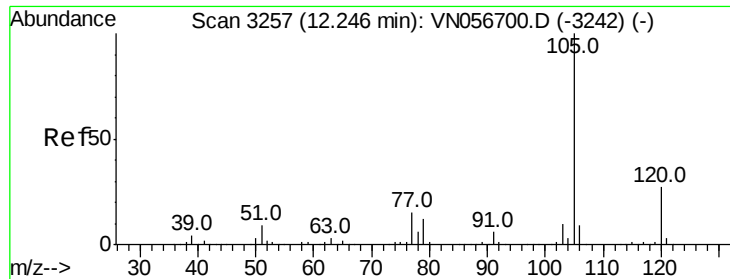
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	172.2	0.0	345.8



Abundance Ion 151.90 (151.60 to 152.60): V
250000 Ion 114.90 (114.60 to 115.60): V
200000 Ion 149.90 (149.60 to 150.60): V
150000
100000
50000
0





#73

Isopropylbenzene

Concen: 46.045 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 754275

Ion Ratio Lower Upper

105 100

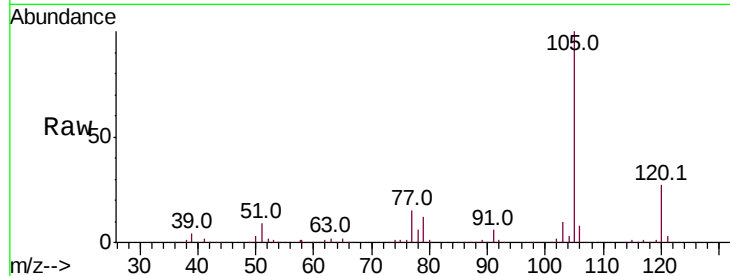
120 26.6 13.4 40.2

Manual Integrations

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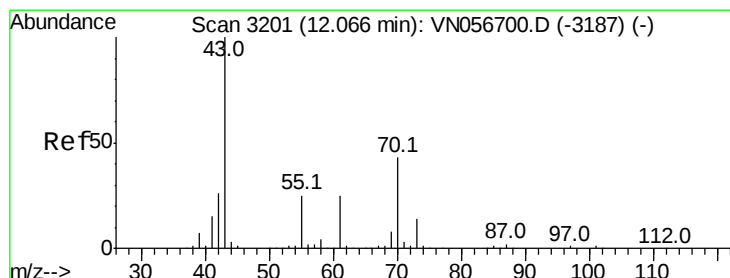
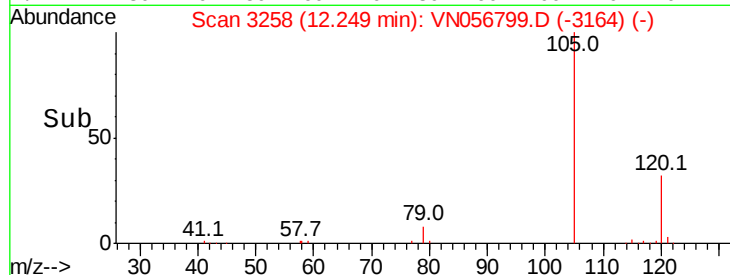
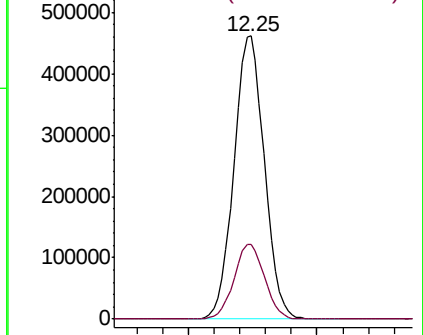
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.078 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion: 43 Resp: 293314

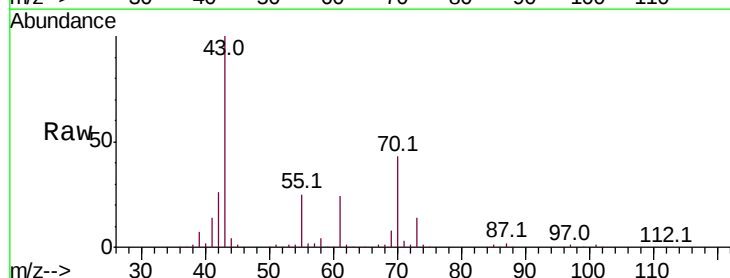
Ion Ratio Lower Upper

43 100

70 43.7 34.5 51.7

55 25.9 20.2 30.2

61 24.9 19.9 29.9

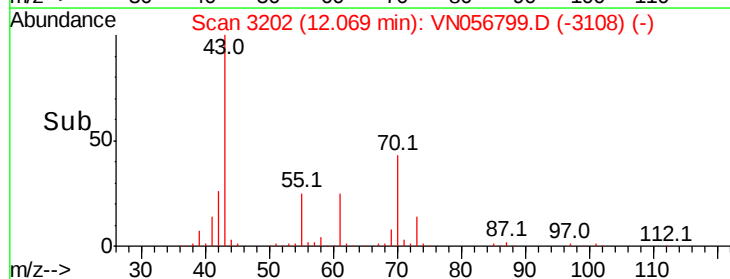
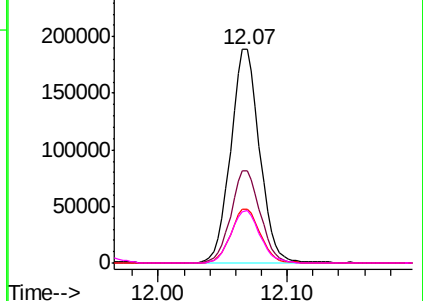


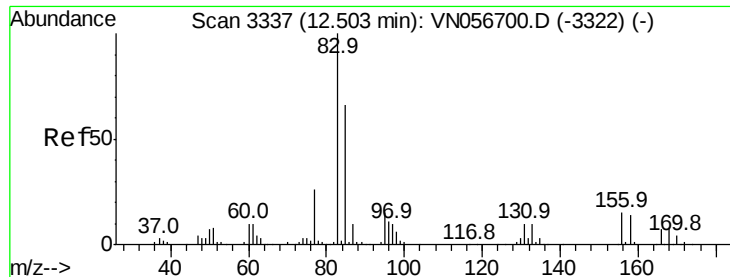
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.162 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 242474

Ion Ratio Lower Upper

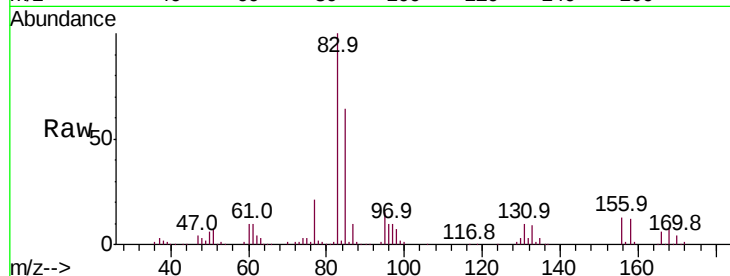
83 100

131 10.4 5.3 15.8

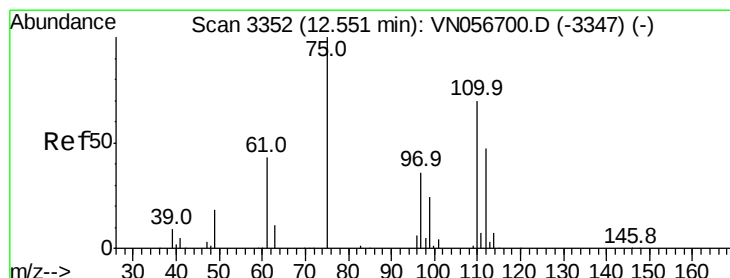
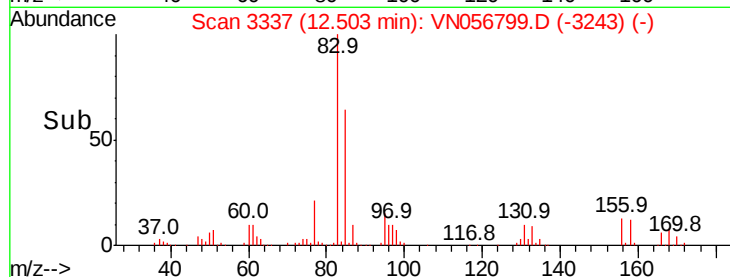
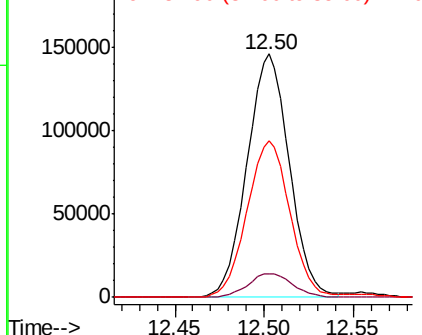
85 64.9 32.6 97.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 49.022 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056799.D

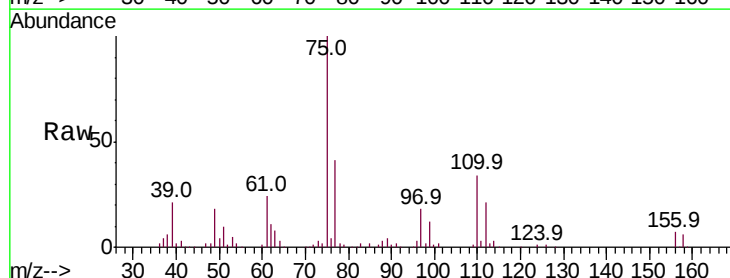
Acq: 17 Jul 2019 16:07

Tgt Ion: 75 Resp: 217827

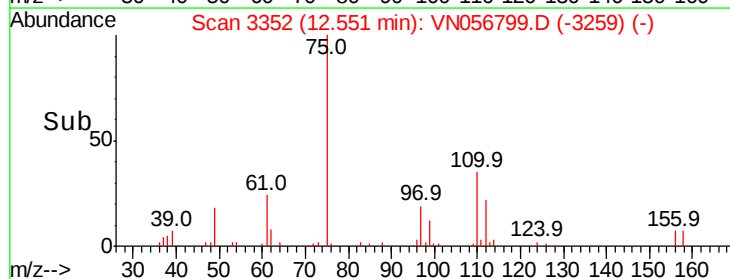
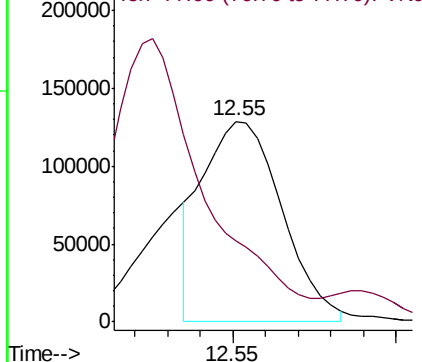
Ion Ratio Lower Upper

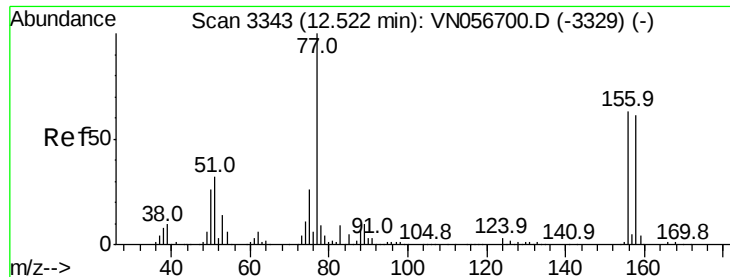
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.363 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 198648

Ion Ratio Lower Upper

156 100

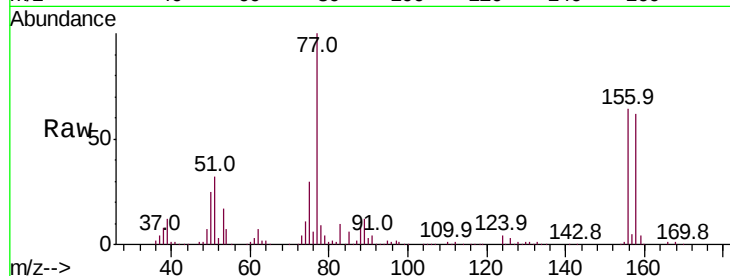
77 190.9 97.2 291.6

158 96.7 48.9 146.8

Manual Integrations
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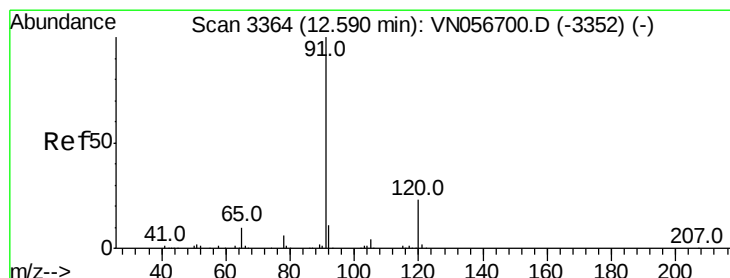
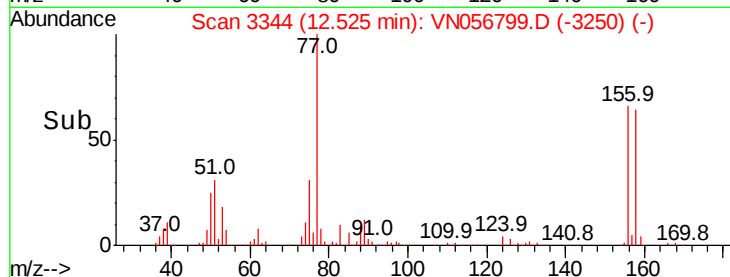
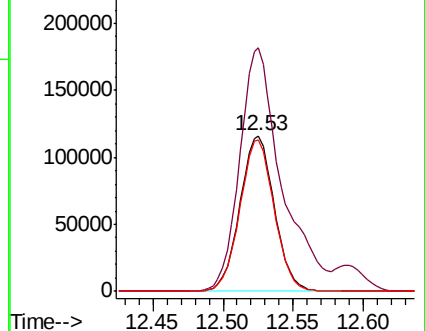
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Abundance Ion 155.80 (155.50 to 156.50): V

250000 Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.101 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056799.D

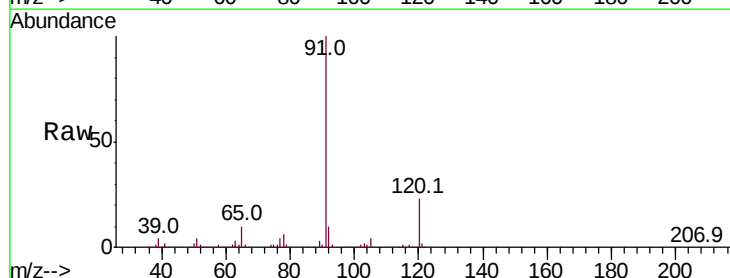
Acq: 17 Jul 2019 16:07

Tgt Ion: 91 Resp: 838400

Ion Ratio Lower Upper

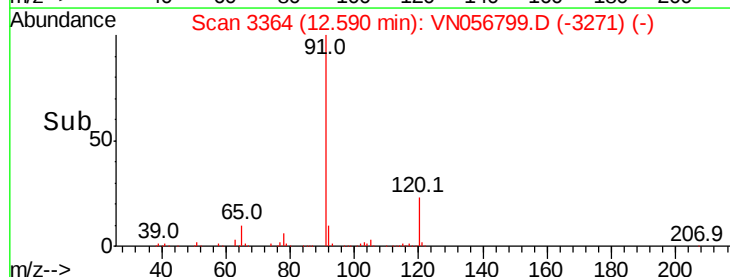
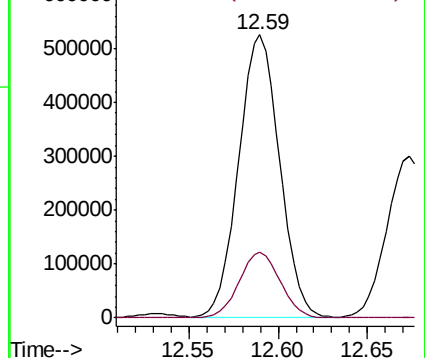
91 100

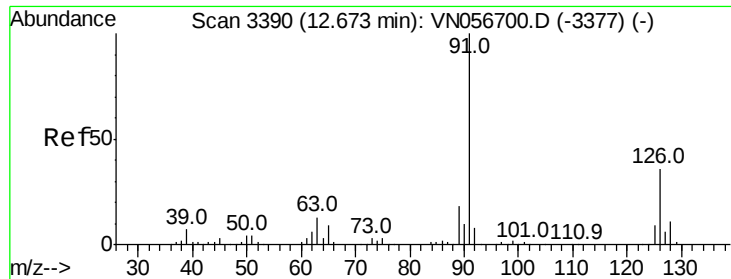
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.238 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 504790

Ion Ratio Lower Upper

91 100

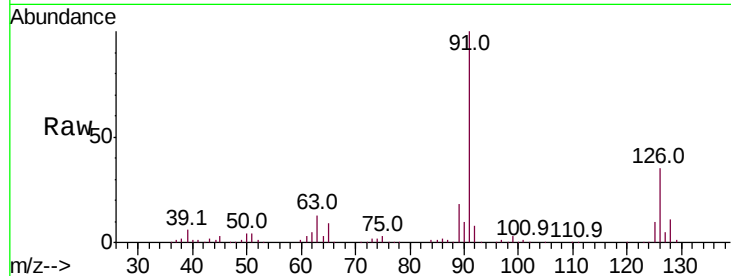
126 35.1 17.9 53.7

Manual Integrations

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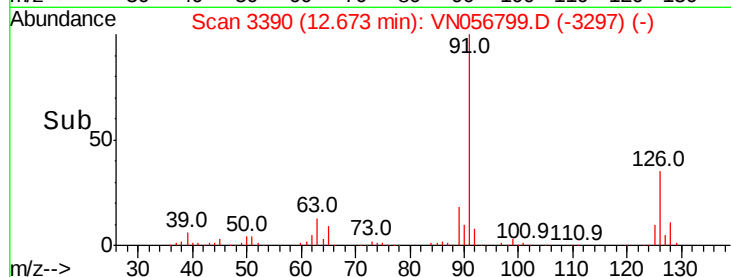
7/19/2019 1:06:39 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

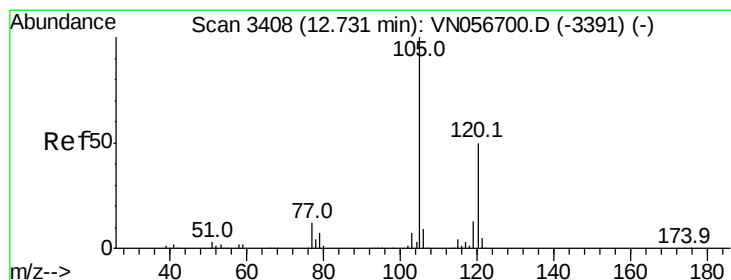
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN056799.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056799.D (-3297) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.896 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056799.D

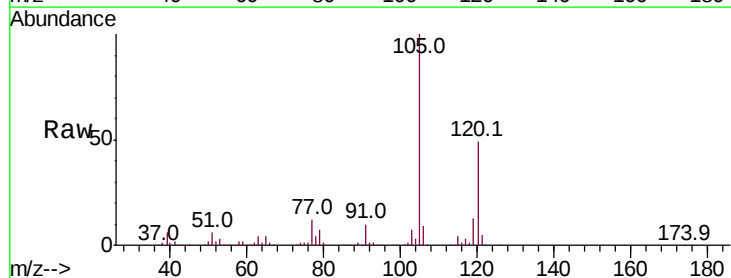
Acq: 17 Jul 2019 16:07

Tgt Ion:105 Resp: 637200

Ion Ratio Lower Upper

105 100

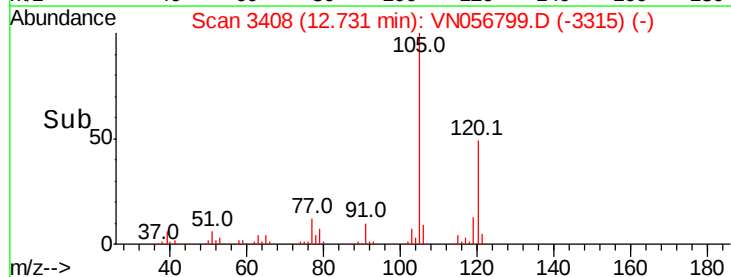
120 49.2 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)

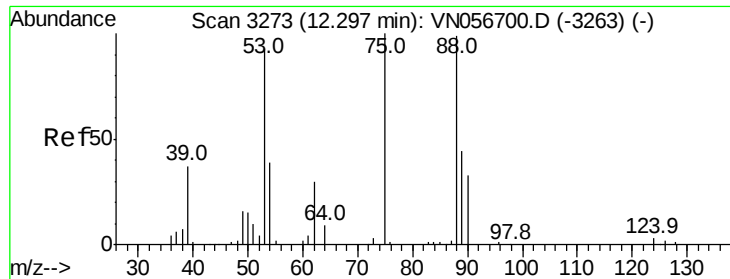
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VN056799.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056799.D (-3315) (-)

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.385 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 72494

Ion Ratio Lower Upper

75 100

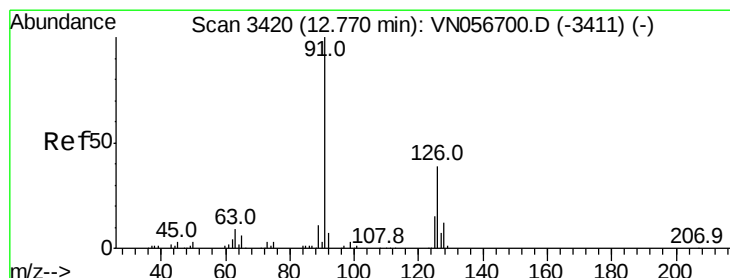
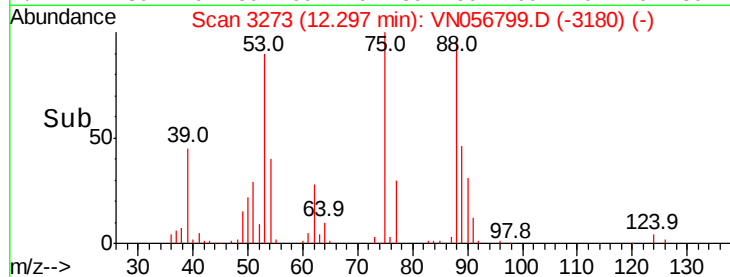
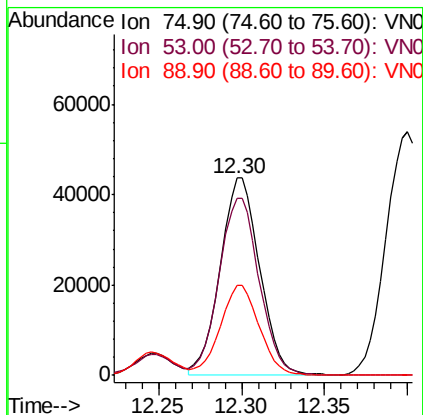
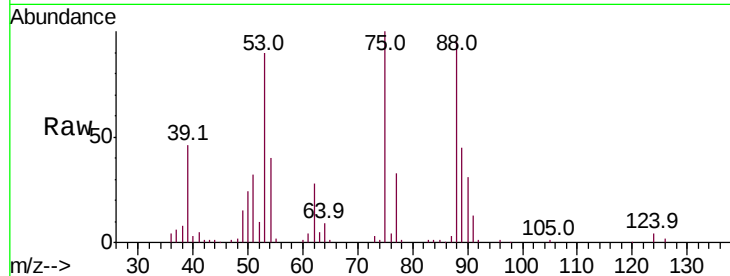
53 90.2 73.7 110.5

89 45.0 36.2 54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.250 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056799.D

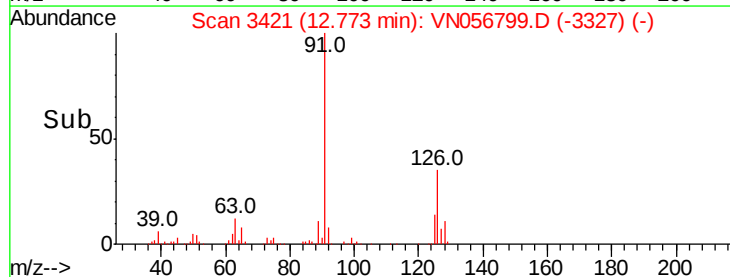
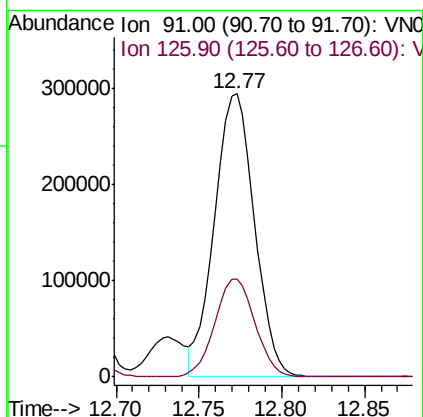
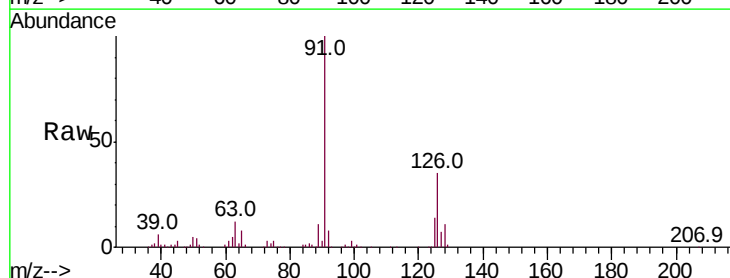
Acq: 17 Jul 2019 16:07

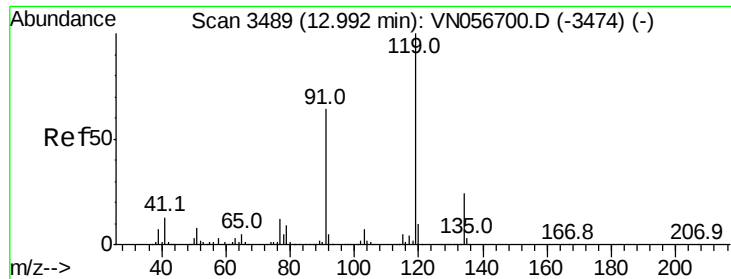
Tgt Ion: 91 Resp: 493605

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8





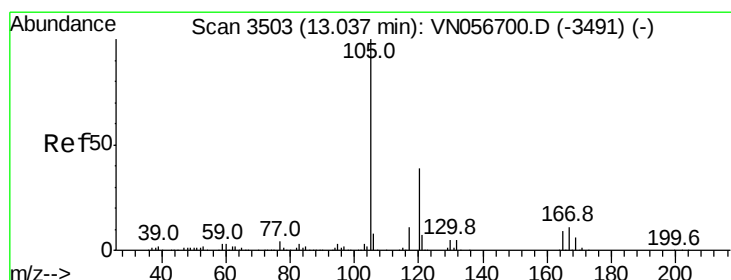
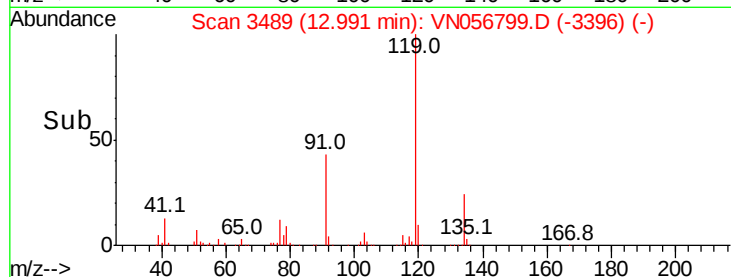
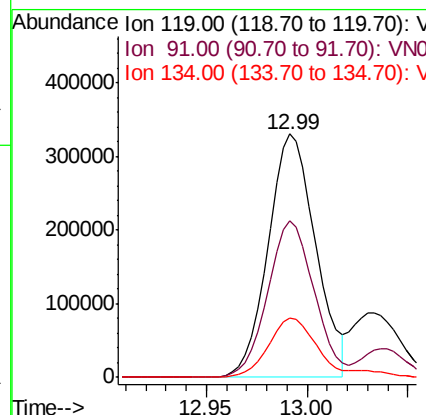
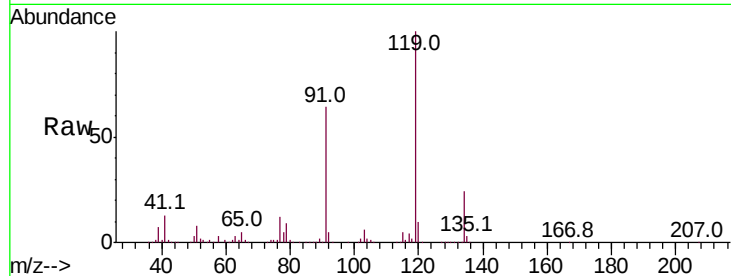
#83
tert-Butylbenzene
Concen: 50.003 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	541172		
91	63.0		31.8	95.4
134	24.6		13.0	38.9

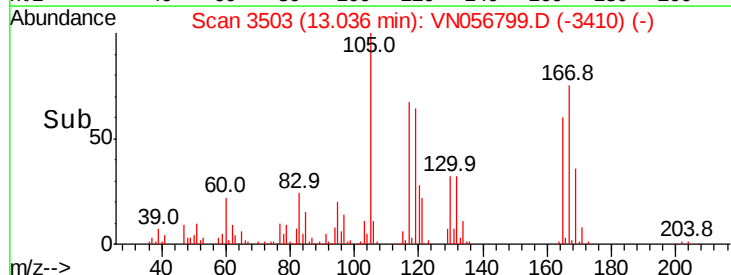
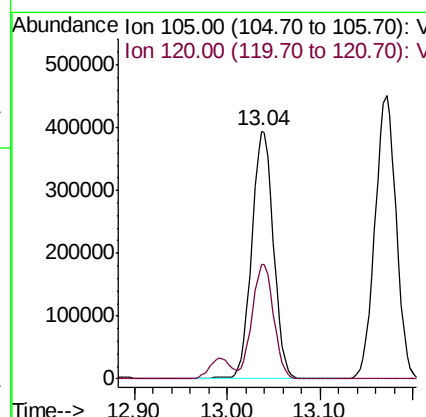
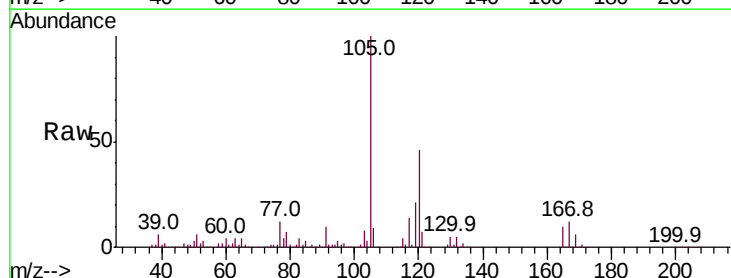
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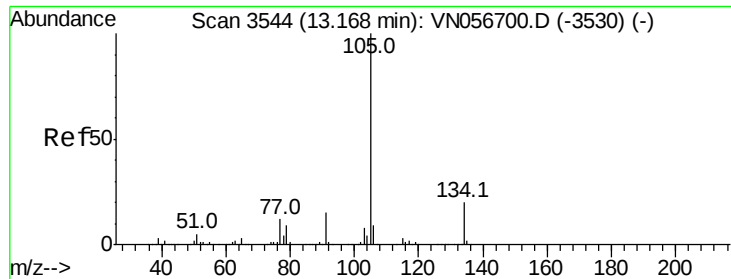
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#84
1,2,4-Trimethylbenzene
Concen: 47.164 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	639705		
120	45.8		22.9	68.8





#85

sec-Butylbenzene

Concen: 46.167 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 712233

Ion Ratio Lower Upper

105 100

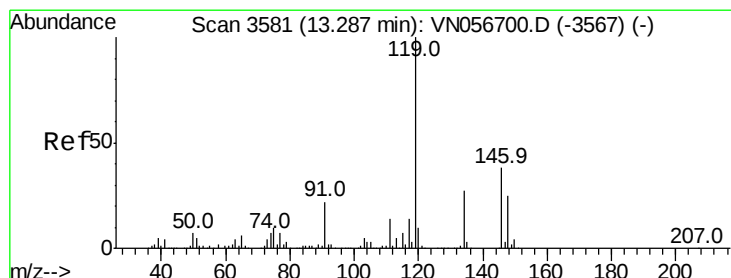
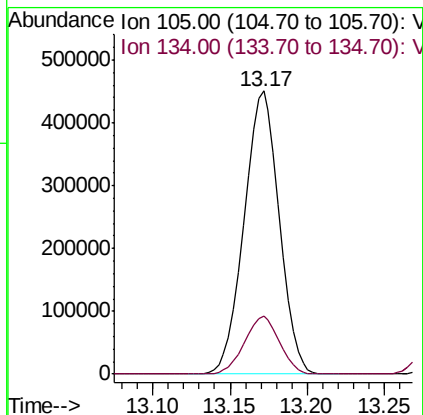
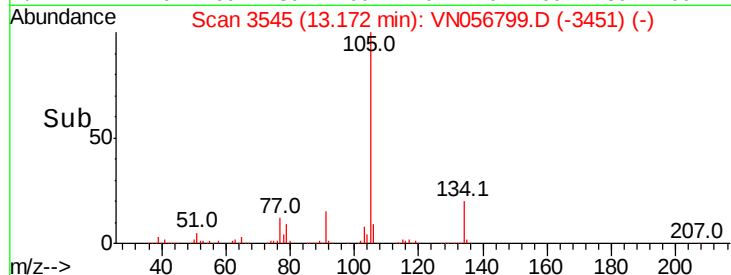
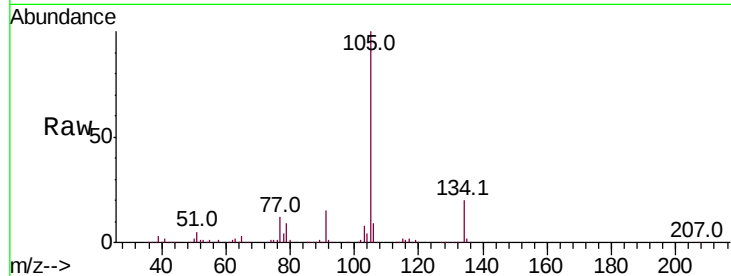
134 20.5 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.674 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

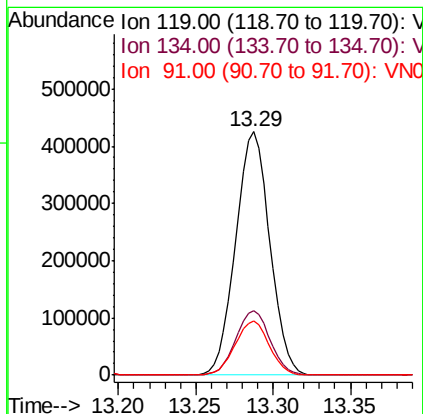
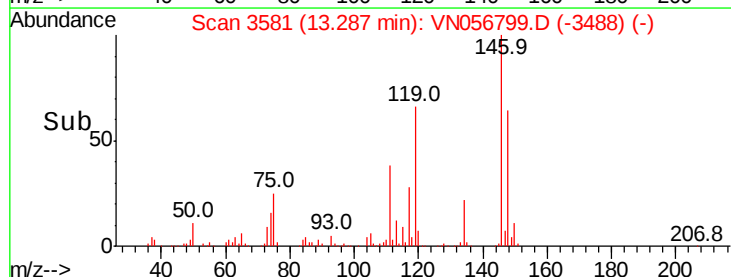
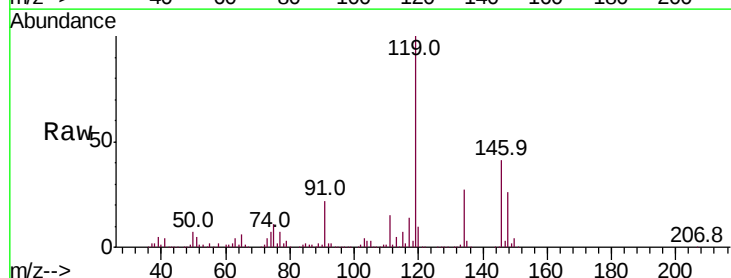
Tgt Ion:119 Resp: 652300

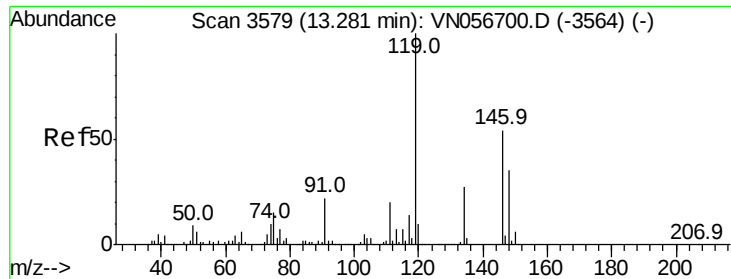
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.2 11.2 33.5





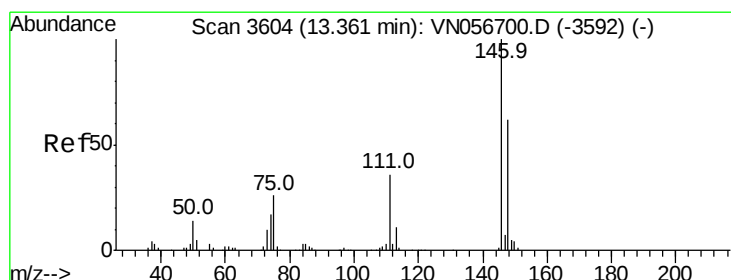
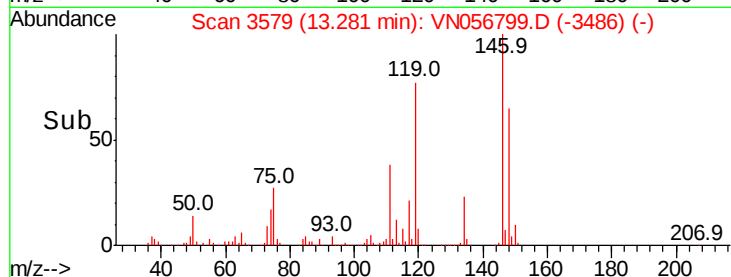
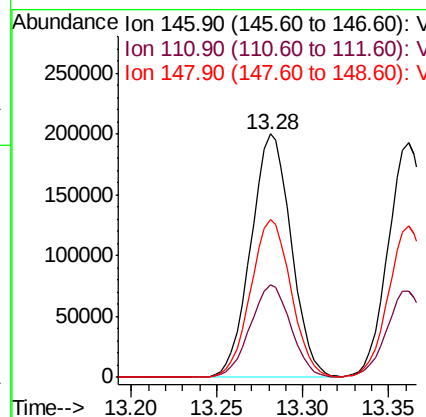
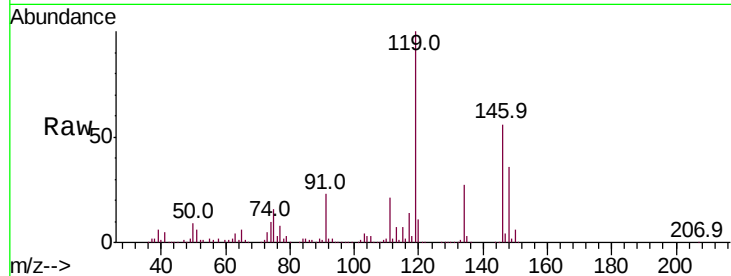
#87
 1,3-Dichlorobenzene
 Concen: 46.275 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	65.0	32.3	96.8

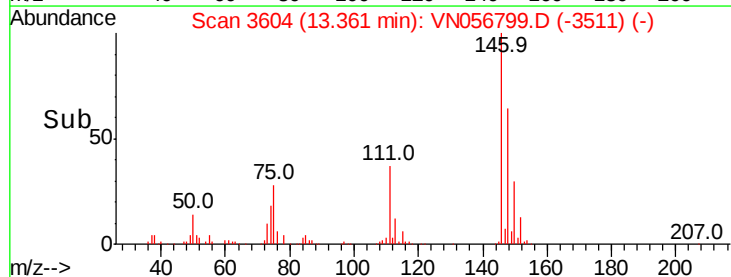
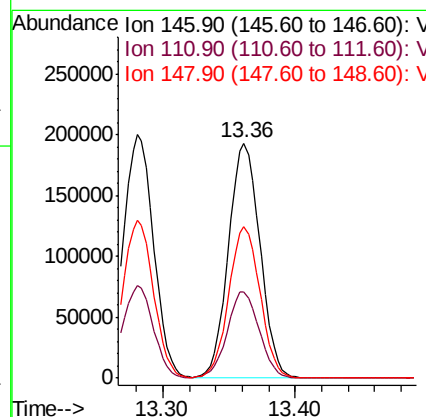
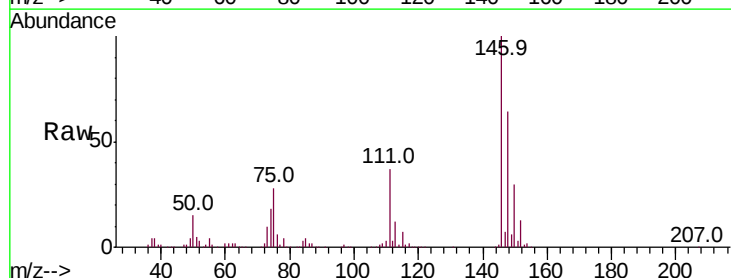
Manual Integrations
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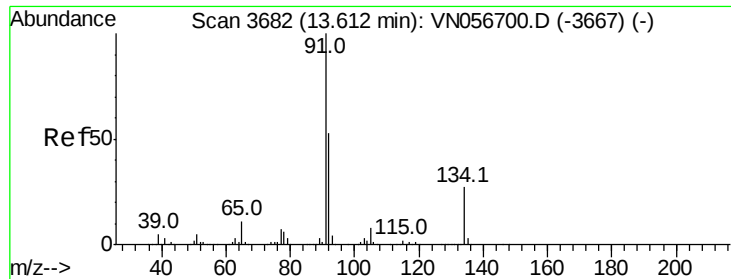
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#88
 1,4-Dichlorobenzene
 Concen: 46.718 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.0	31.9	95.7





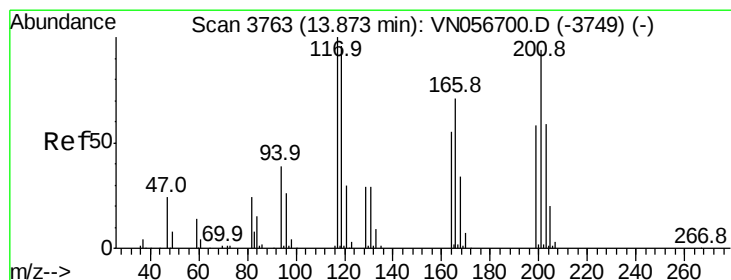
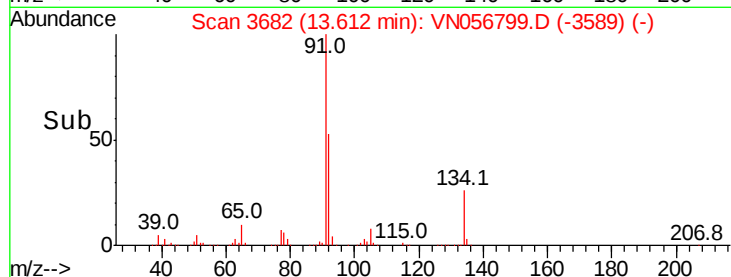
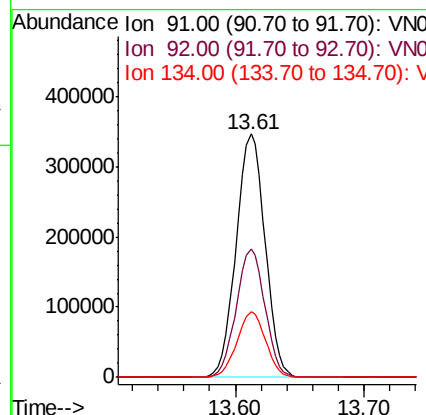
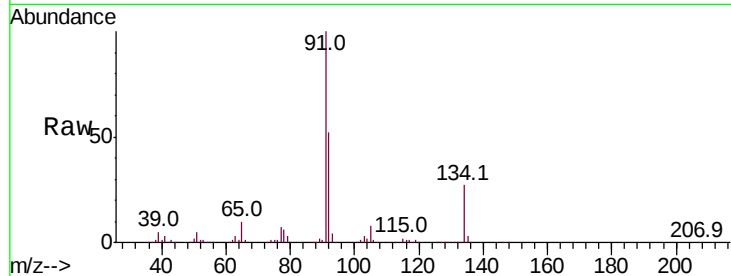
#89
n-Butylbenzene
Concen: 47.931 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.7	13.4	40.2

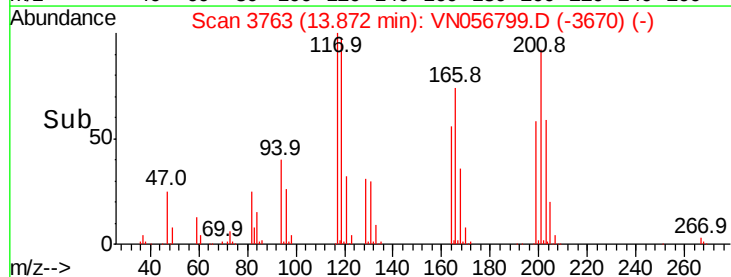
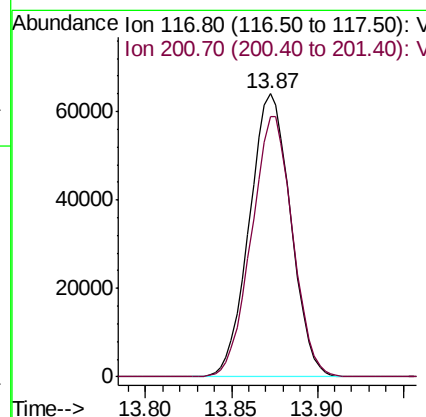
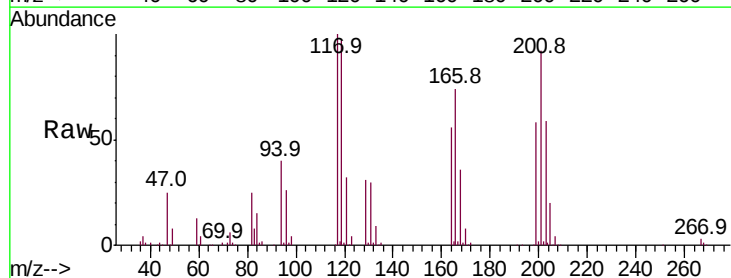
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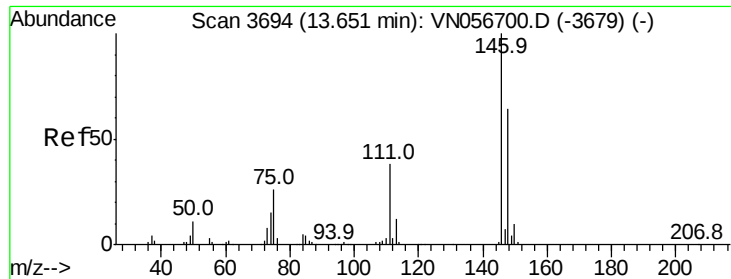
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#90
Hexachloroethane
Concen: 47.189 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056799.D
Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	46.5	139.5





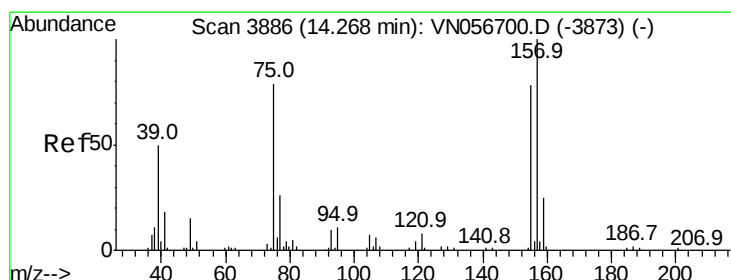
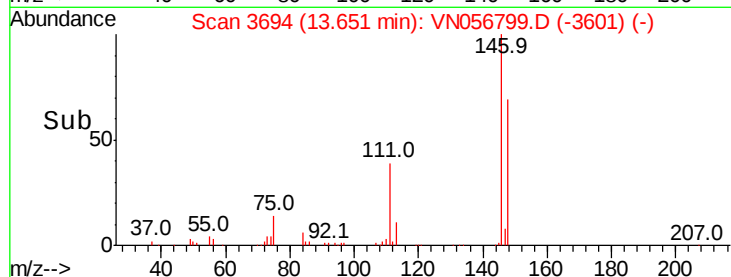
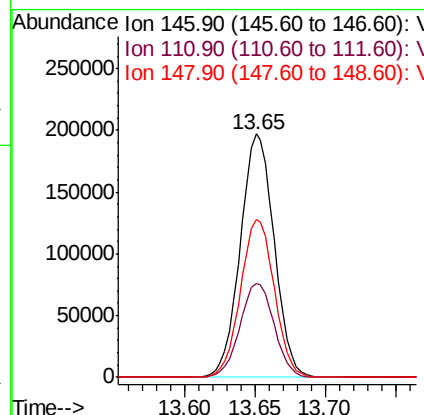
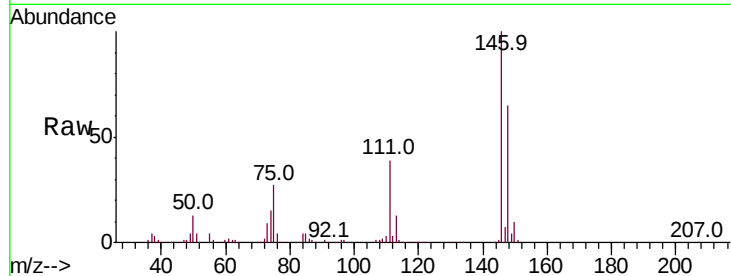
#91
 1,2-Dichlorobenzene
 Concen: 46.129 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.1
148	65.0	31.7	95.1

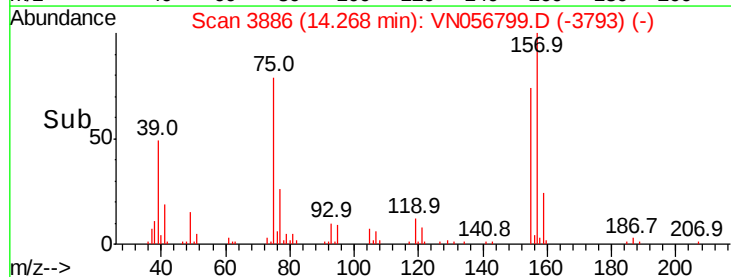
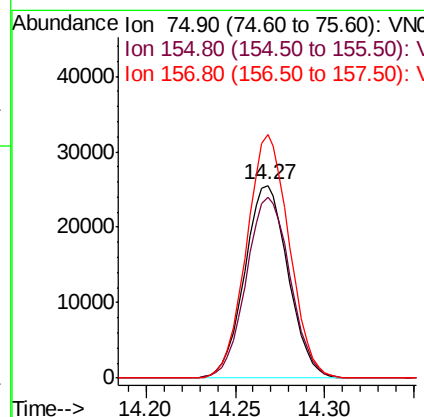
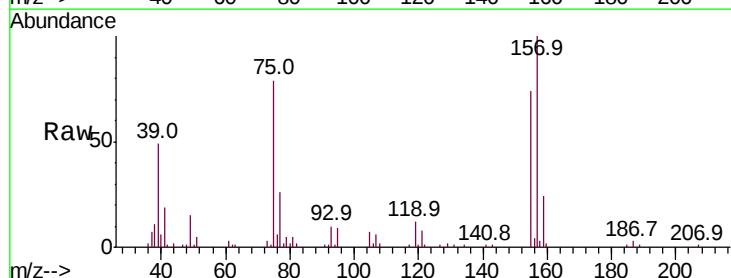
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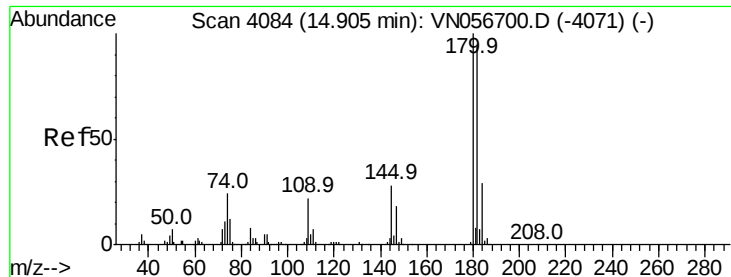
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.471 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	49.3	147.9
157	124.4	62.4	187.1





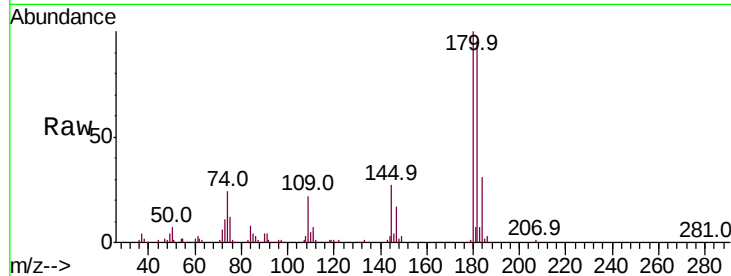
#93
 1,2,4-Trichlorobenzene
 Concen: 43.841 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

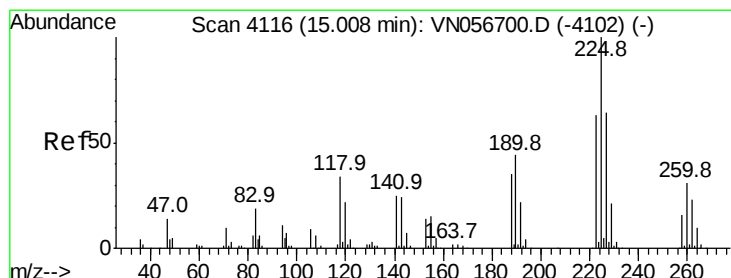
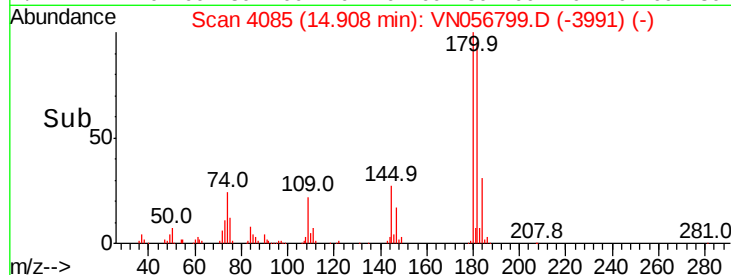
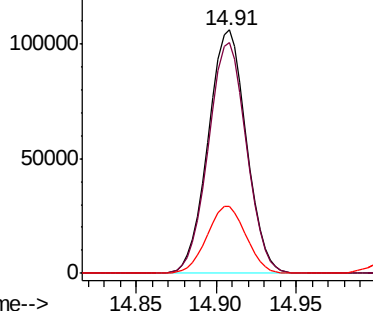
Tot Ion	Ratio	Resp	Lower	Upper
180	100	171991		
182	94.9	47.2	141.6	
145	28.3	14.2	42.8	

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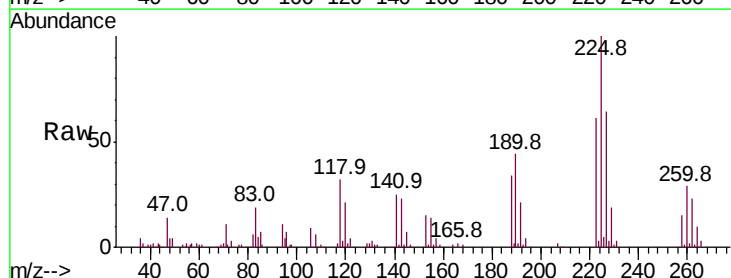


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

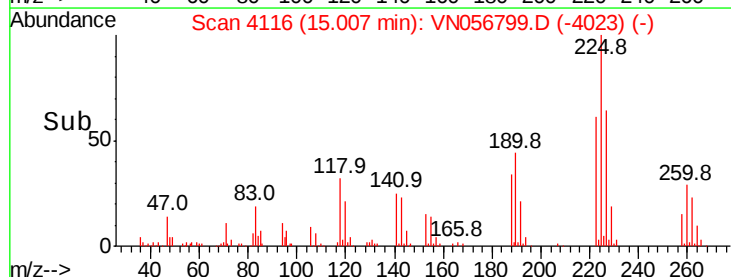
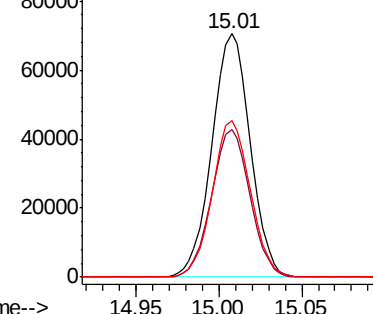


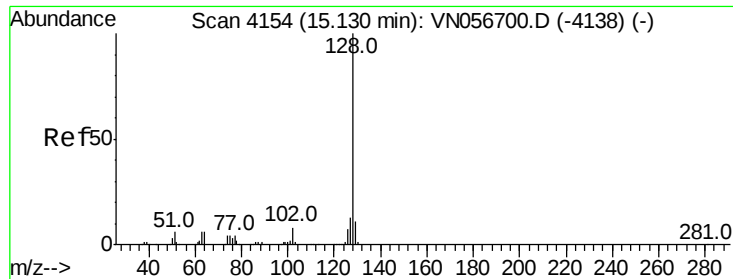
#94
 Hexachlorobutadiene
 Concen: 50.405 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056799.D
 Acq: 17 Jul 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113705		
223	60.6	31.5	94.5	
227	63.6	32.0	96.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.618 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Instrument :

MSVOA_N

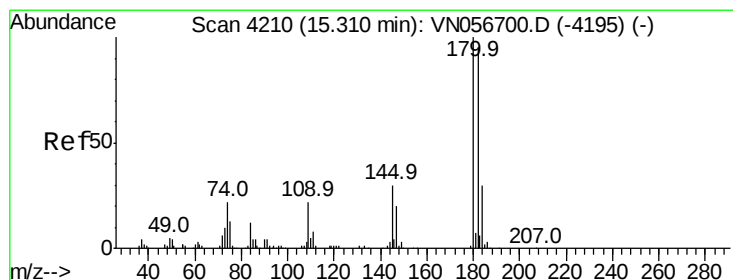
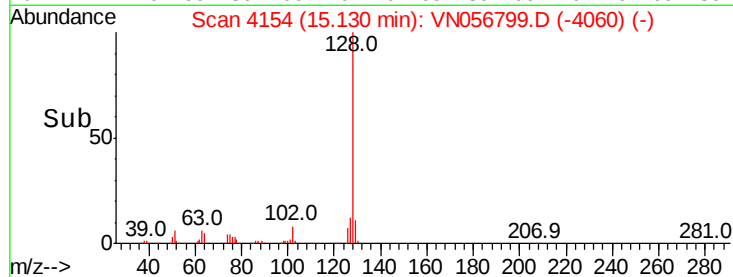
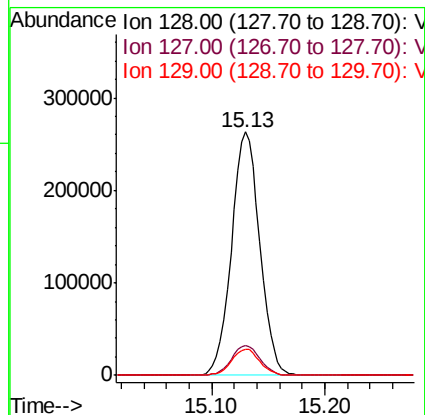
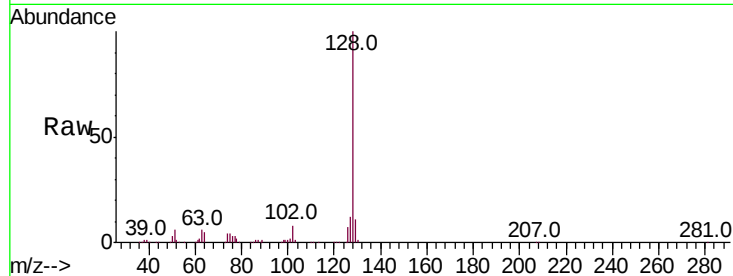
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	455894
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.8	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 44.481 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056799.D

Acq: 17 Jul 2019 16:07

Tgt Ion:	180	Resp:	173671
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.1	141.3
145	30.4	15.0	45.1

