

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056819.D
 Acq On : 19 Jul 2019 10:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:33 AM

Quant Time: Jul 20 00:02:55 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	7.66	168	304607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	447464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	172582	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	154811	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
50) Toluene-d8	10.09	98	588104	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.40	95	203866	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140089	48.978	ug/l	95
3) Chloromethane	2.06	50	186259	48.436	ug/l	98
4) Vinyl Chloride	2.18	62	181218	48.937	ug/l	99
5) Bromomethane	2.54	94	110067m	50.544	ug/l	
6) Chloroethane	2.69	64	103906	48.152	ug/l	99
7) Trichlorofluoromethane	3.00	101	241983	50.926	ug/l	99
8) Diethyl Ether	3.41	74	96524	52.103	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151181	52.957	ug/l	100
10) Methyl Iodide	3.95	142	203305	53.243	ug/l	99
11) Tert butyl alcohol	4.79	59	146321	260.900	ug/l	99
12) 1,1-Dichloroethene	3.73	96	146724	51.240	ug/l	96
13) Acrolein	3.61	56	47401	247.565	ug/l	100
14) Allyl chloride	4.32	41	249212	50.325	ug/l	99
15) Acrylonitrile	4.98	53	419801	259.201	ug/l	100
16) Acetone	3.81	43	397749	256.168	ug/l	100
17) Carbon Disulfide	4.05	76	358714	47.406	ug/l	100
18) Methyl Acetate	4.32	43	177610	50.950	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	473309	51.877	ug/l	100
20) Methylene Chloride	4.55	84	175755	51.797	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	156249	51.621	ug/l	97
22) Diisopropyl ether	5.95	45	520286	53.228	ug/l	96
23) Vinyl Acetate	5.89	43	2120064	267.658	ug/l	100
24) 1,1-Dichloroethane	5.84	63	292174	51.556	ug/l	99
25) 2-Butanone	6.83	43	576884	254.129	ug/l	99
26) 2,2-Dichloropropane	6.82	77	217469	53.220	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	185042	53.129	ug/l	99
28) Bromochloromethane	7.19	49	126803	47.589	ug/l	99
29) Tetrahydrofuran	7.21	42	373063	251.969	ug/l	99
30) Chloroform	7.37	83	291595	51.419	ug/l	99
31) Cyclohexane	7.65	56	273785	50.829	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	238154	53.102	ug/l	100
36) 1,1-Dichloropropene	7.79	75	218755	52.831	ug/l	99
37) Ethyl Acetate	6.93	43	219423	53.767	ug/l	98
38) Carbon Tetrachloride	7.77	117	206986	53.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	277492	54.275	ug/l	99
40) Benzene	8.04	78	684020	53.914	ug/l	100
41) Methacrylonitrile	7.17	41	103427	57.696	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	215813	53.822	ug/l	100
43) Isopropyl Acetate	8.16	43	344607	53.713	ug/l	99
44) Trichloroethene	8.83	130	189581	55.026	ug/l	96
45) 1,2-Dichloropropane	9.12	63	184107	54.612	ug/l	99
46) Dibromomethane	9.21	93	116289	55.664	ug/l	99
47) Bromodichloromethane	9.40	83	221625	55.826	ug/l	99
48) Methyl methacrylate	9.20	41	168240	54.223	ug/l	98
49) 1,4-Dioxane	9.20	88	74777	1174.548	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1109225	266.939	ug/l	99
52) Toluene	10.15	92	422966	56.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	238543	57.593	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	270716	56.325	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171221	54.179	ug/l	100
56) Ethyl methacrylate	10.43	69	261436	57.494	ug/l	99
57) 1,3-Dichloropropane	10.71	76	284058	55.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	610774	279.323	ug/l	98
59) 2-Hexanone	10.75	43	812791	272.601	ug/l	99
60) Dibromochloromethane	10.90	129	178370	57.390	ug/l	99
61) 1,2-Dibromoethane	11.00	107	180839	57.579	ug/l	98
64) Tetrachloroethene	10.63	164	188471	54.105	ug/l	98
65) Chlorobenzene	11.43	112	455426	55.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	169816	55.865	ug/l	98
67) Ethyl Benzene	11.51	91	803791	55.399	ug/l	99
68) m/p-Xylenes	11.62	106	614336	113.295	ug/l	99
69) o-Xylene	11.94	106	295396	55.412	ug/l	99
70) Styrene	11.96	104	504766	58.568	ug/l	100
71) Bromoform	12.12	173	132865	57.446	ug/l #	98
73) Isopropylbenzene	12.25	105	782214	52.261	ug/l	100
74) N-amyl acetate	12.07	43	284613	51.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240860	55.798	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	208539m	51.364	ug/l	
77) Bromobenzene	12.53	156	207265	52.943	ug/l	96
78) n-propylbenzene	12.59	91	884799	53.248	ug/l	100
79) 2-Chlorotoluene	12.67	91	524577	57.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	673945	53.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70723	53.797	ug/l	100
82) 4-Chlorotoluene	12.77	91	520796	53.407	ug/l	99
83) tert-Butylbenzene	12.99	119	571405	58.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	660005	53.257	ug/l	99
85) sec-Butylbenzene	13.17	105	754155	53.502	ug/l	99
86) p-Isopropyltoluene	13.29	119	693525	54.311	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	344474	53.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334649	53.623	ug/l	99
89) n-Butylbenzene	13.61	91	570304	55.445	ug/l	99
90) Hexachloroethane	13.87	117	112155	54.313	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	340313	51.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40222	50.115	ug/l	99

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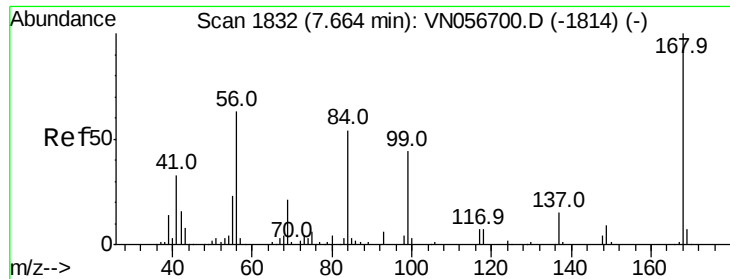
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	171405	47.484	ug/l	99
94) Hexachlorobutadiene	15.01	225	121910	59.376	ug/l	98
95) Naphthalene	15.13	128	425168	43.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	174837	48.671	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 304607

Ion Ratio Lower Upper

168 100

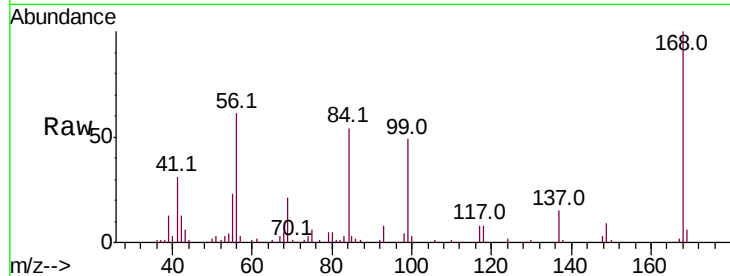
99 48.5 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

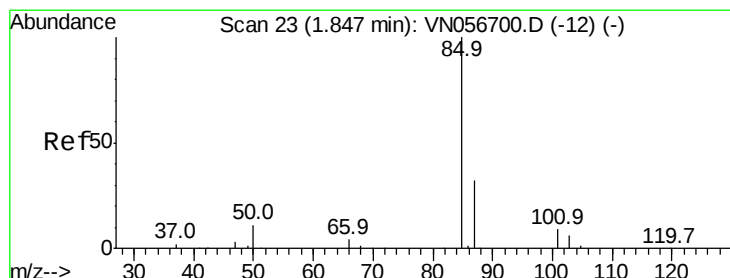
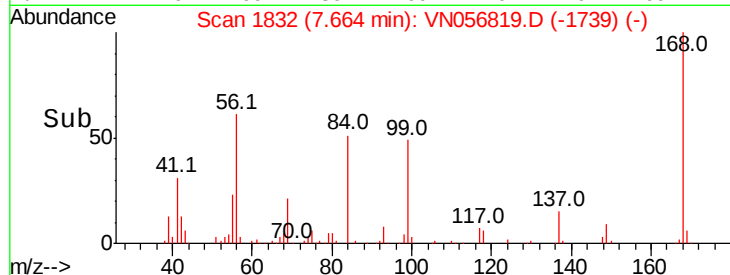
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.978 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056819.D

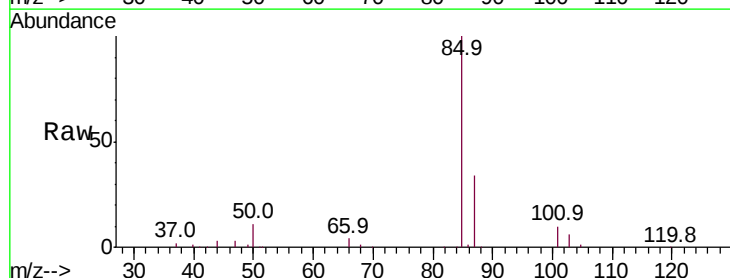
Acq: 19 Jul 2019 10:07

Tgt Ion: 85 Resp: 140089

Ion Ratio Lower Upper

85 100

87 34.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

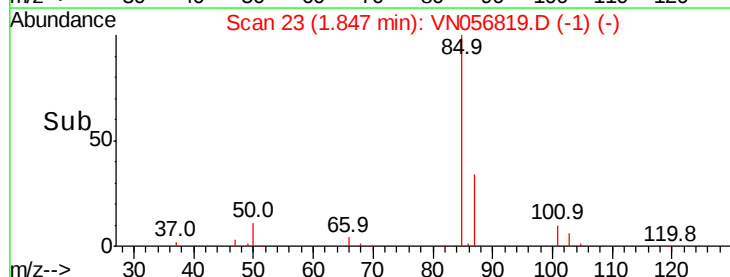
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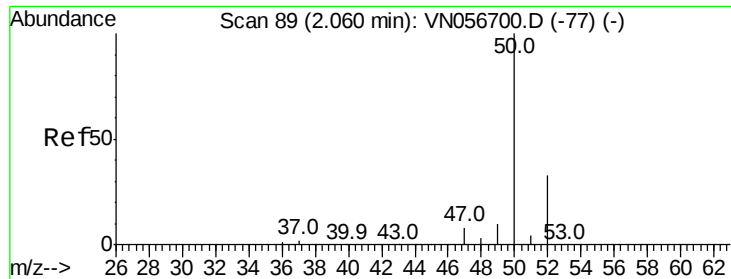
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Time-->





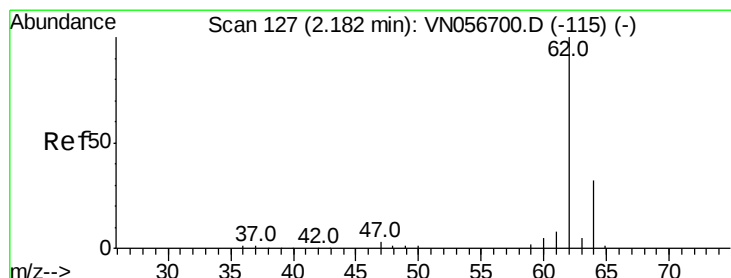
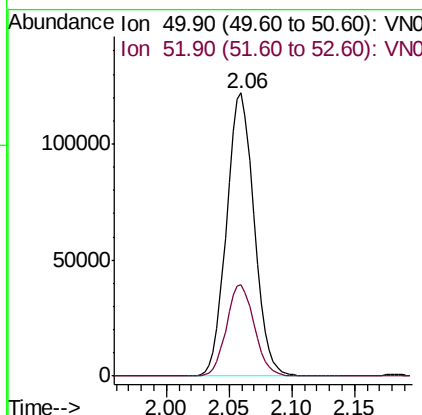
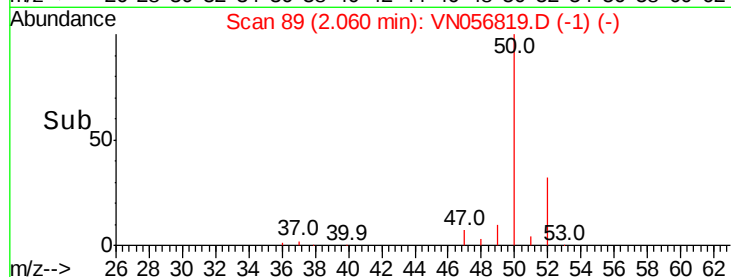
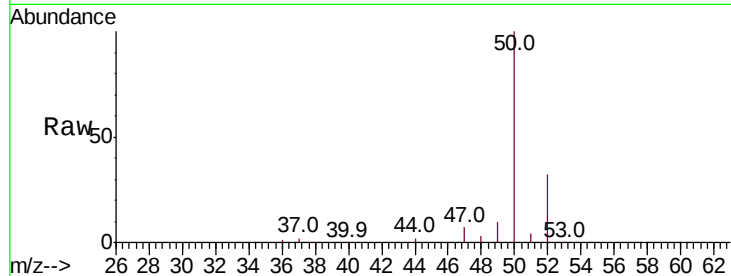
#3
 Chloromethane
 Concen: 48.436 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.5	39.7

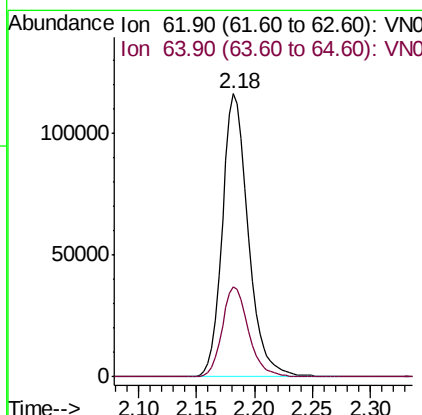
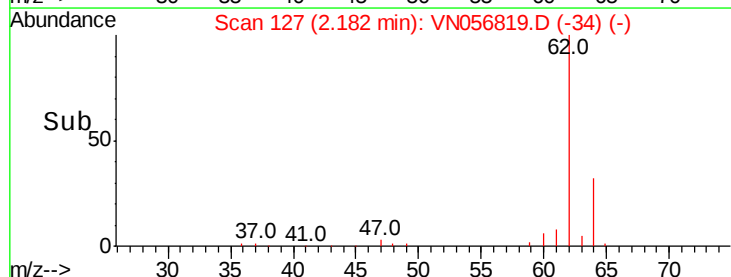
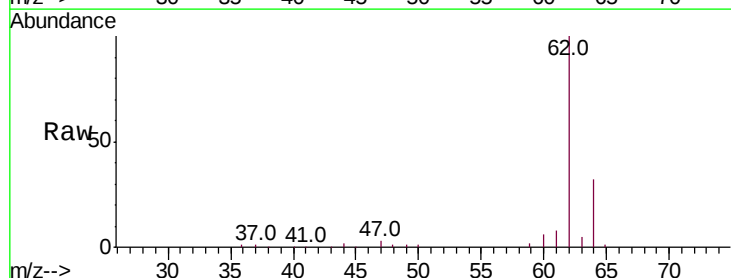
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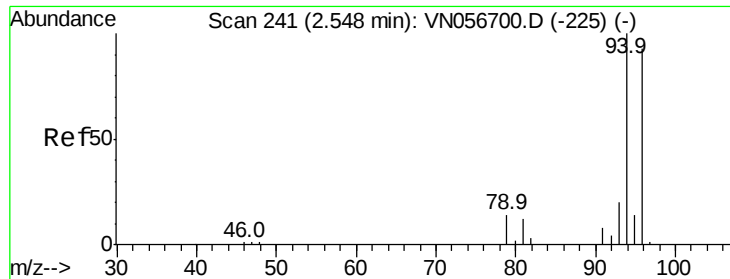
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 7/23/2019 4:32:33 AM



#4
 Vinyl Chloride
 Concen: 48.937 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.6	38.4





#5

Bromomethane

Concen: 50.544 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 110067

Ion Ratio Lower Upper

94 100

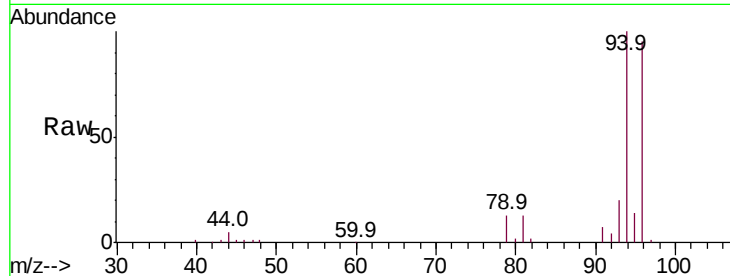
96 94.9 74.0 111.0

Manual Integrations

APPROVED

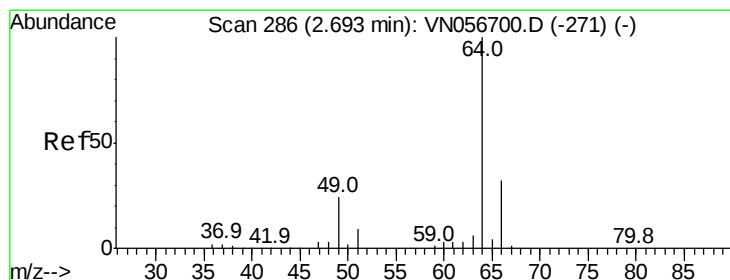
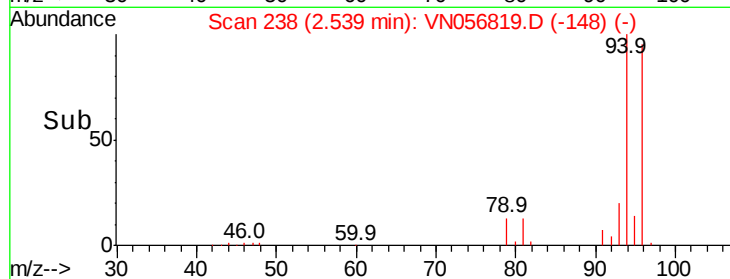
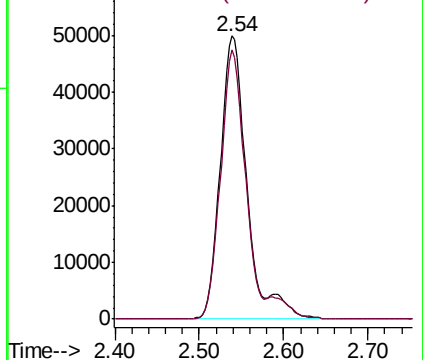
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7/23/2019 4:32:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.152 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN056819.D

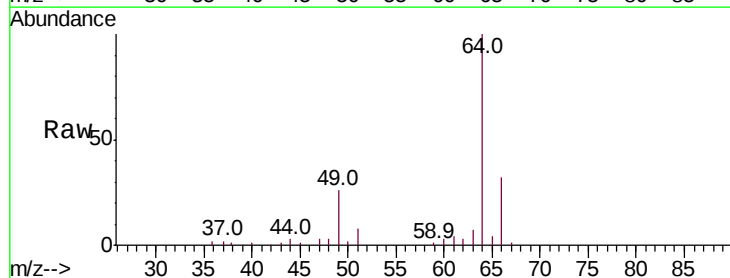
Acq: 19 Jul 2019 10:07

Tgt Ion: 64 Resp: 103906

Ion Ratio Lower Upper

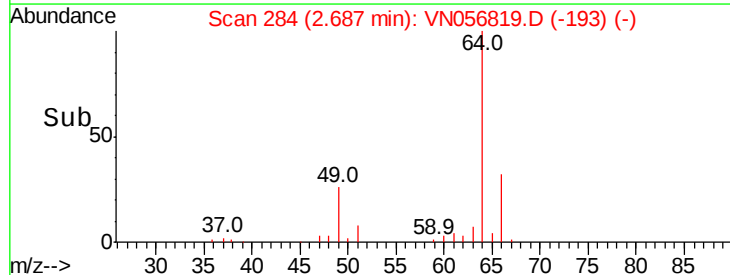
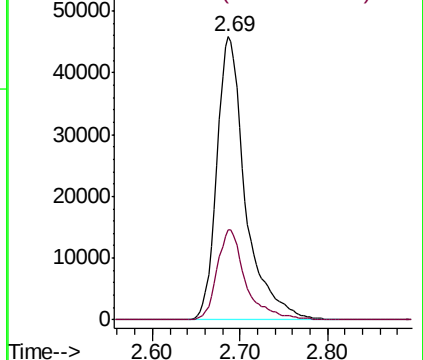
64 100

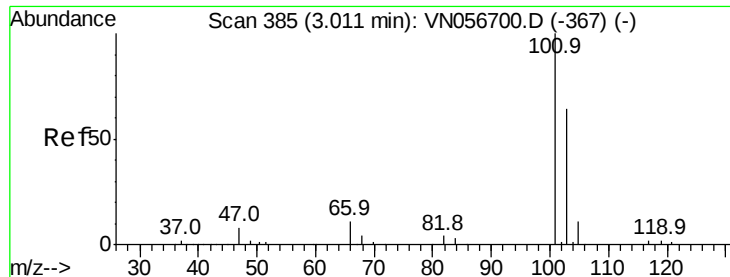
66 31.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

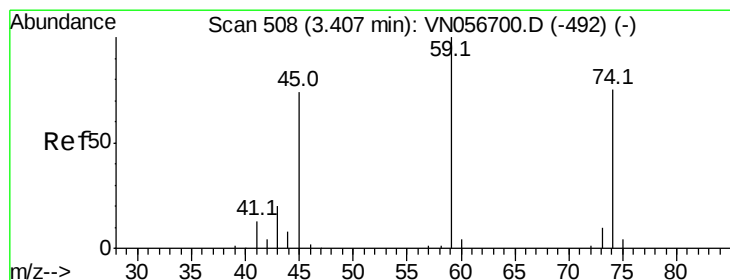
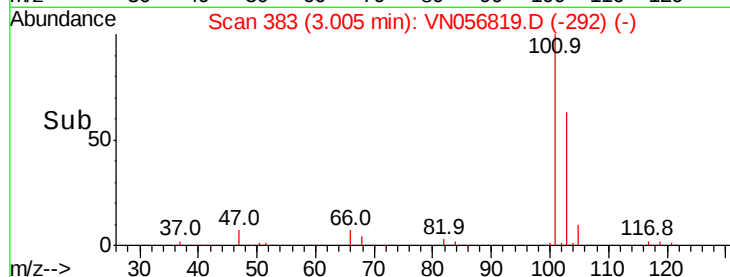
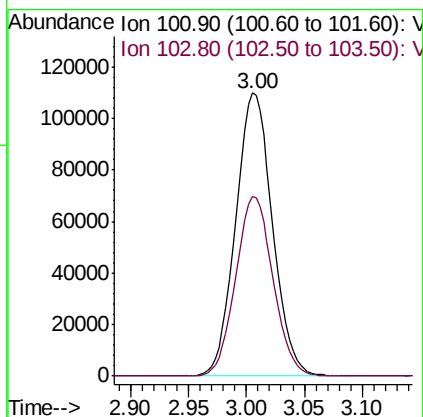
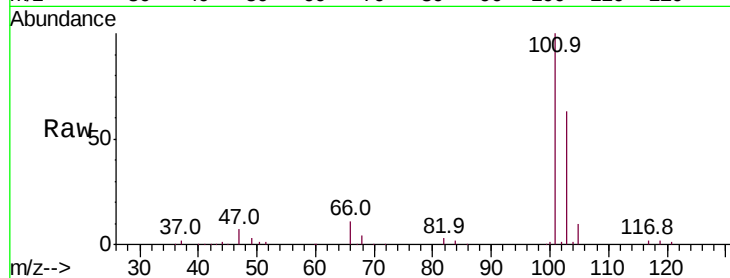
Trichlorofluoromethane
Concen: 50.926 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 241983
Ion Ratio Lower Upper
101 100
103 63.4 51.5 77.3

Manual Integrations
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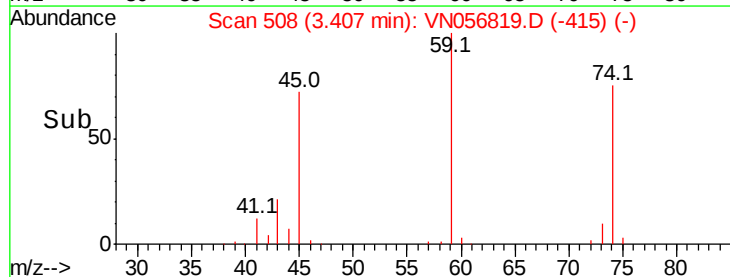
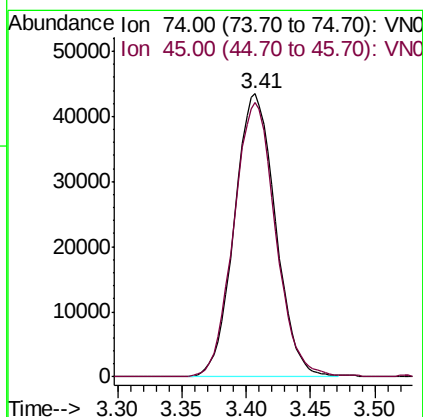
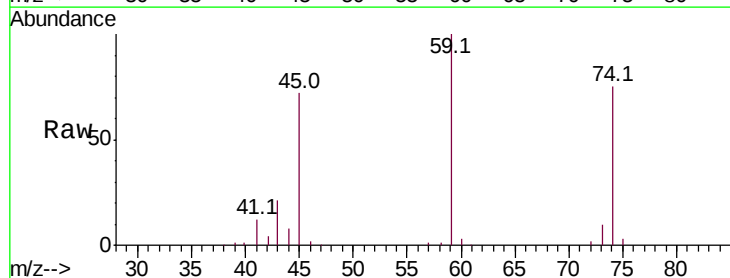
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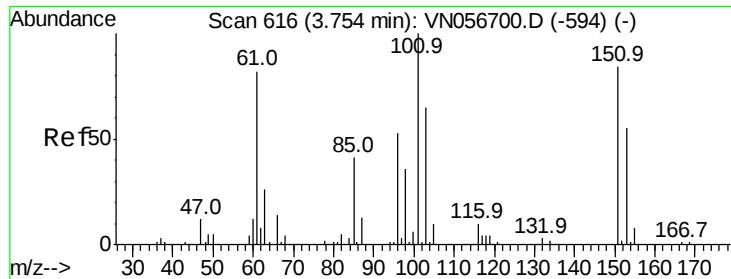


#8

Diethyl Ether
Concen: 52.103 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 74 Resp: 96524
Ion Ratio Lower Upper
74 100
45 98.7 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.957 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

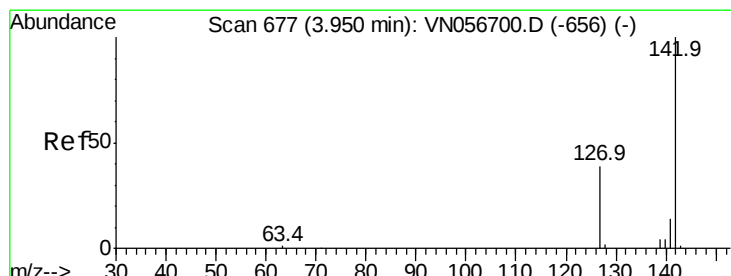
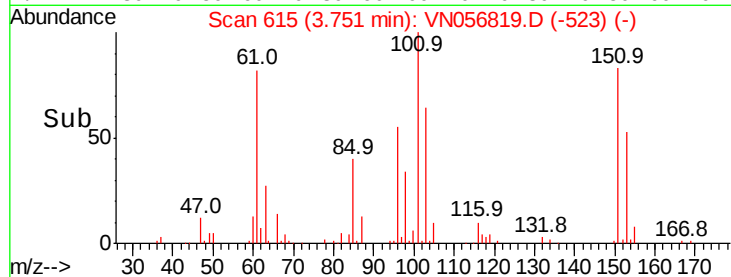
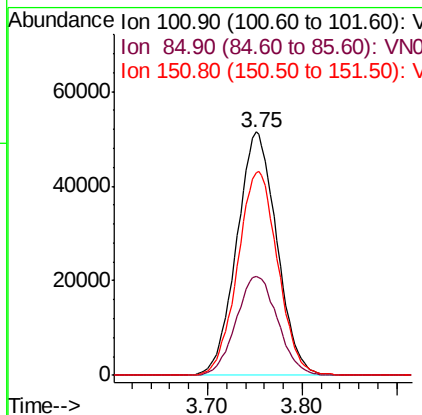
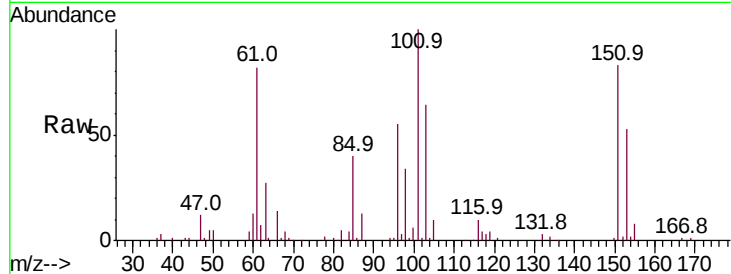
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	151181
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.3	49.9
151	83.9	67.0	100.6

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#10

Methyl Iodide

Concen: 53.243 ug/l

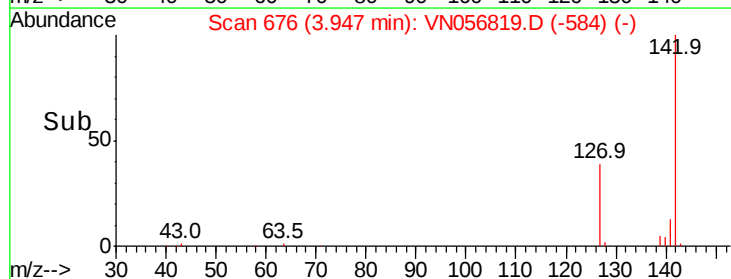
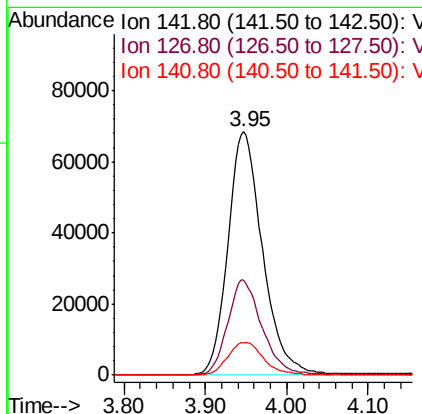
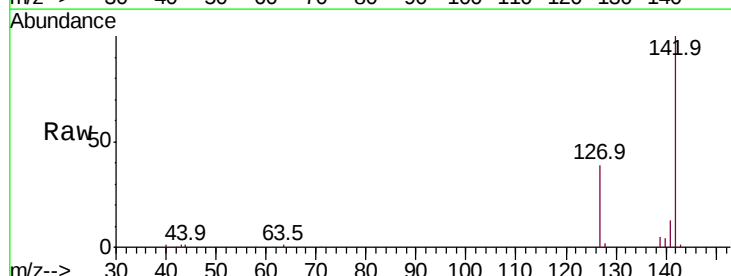
RT: 3.95 min Scan# 676

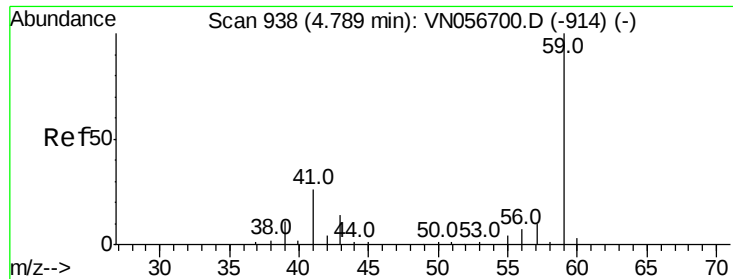
Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	142	Resp:	203305
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.7	46.1
141	13.9	11.3	16.9





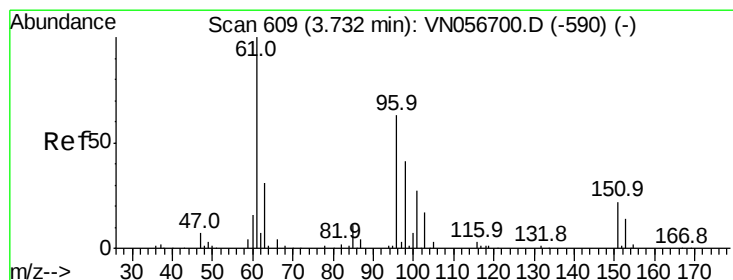
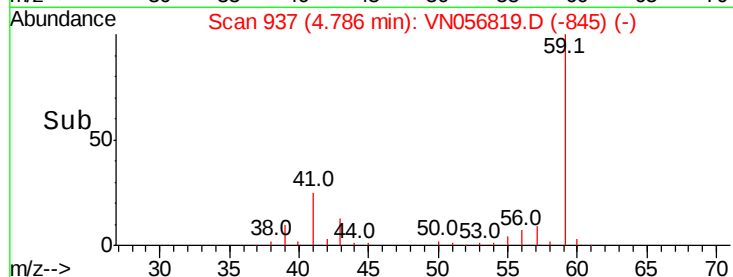
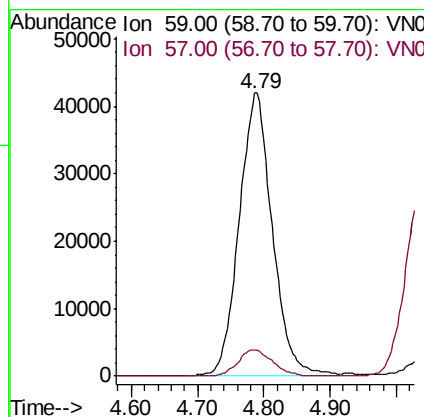
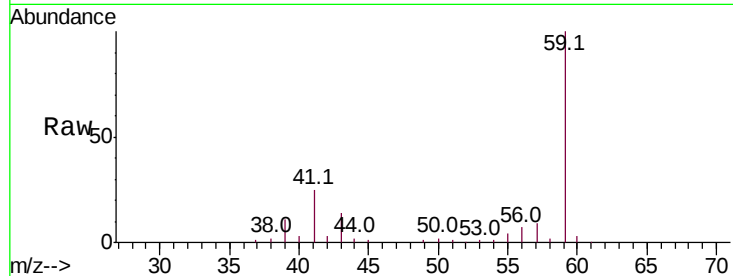
#11
Tert butyl alcohol
Concen: 260.900 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	146321		
57	9.6	8.0	12.0	

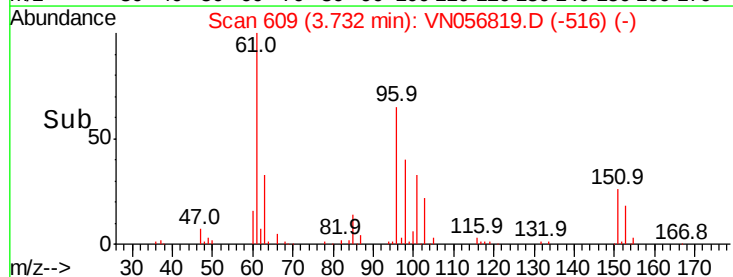
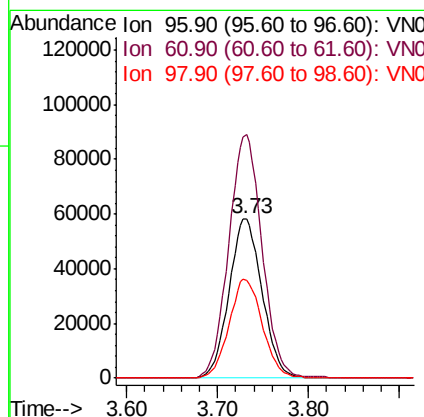
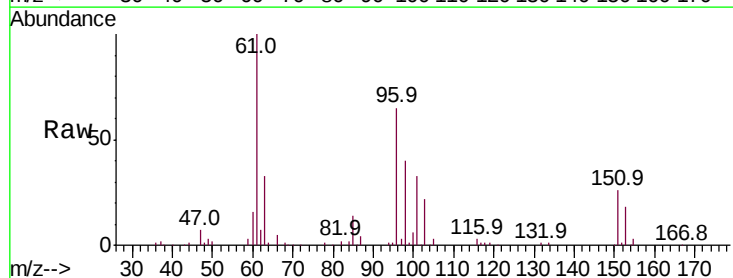
Manual Integrations
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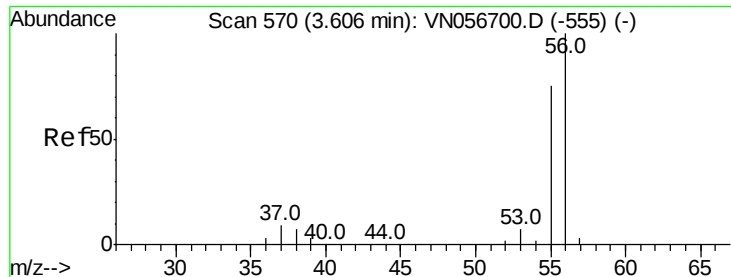
MMDadoda
7/23/2019 4:32:33 AM



#12
1,1-Dichloroethene
Concen: 51.240 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	146724		
61	152.9	126.6	189.8	
98	61.4	51.4	77.2	





#13

Acrolein

Concen: 247.565 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47401

Ion Ratio Lower Upper

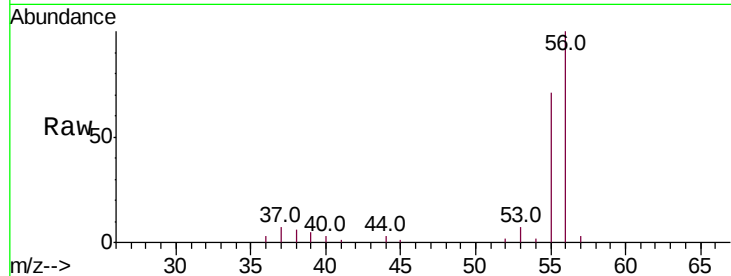
56 100

55 72.1 58.0 87.0

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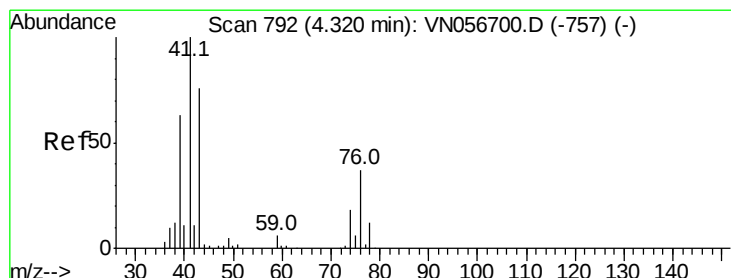
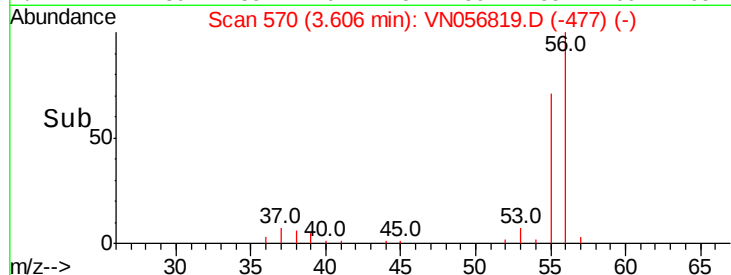
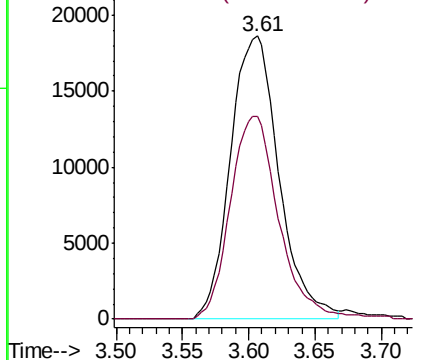
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.325 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

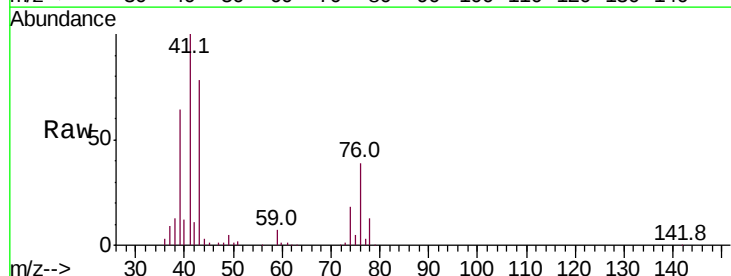
Tgt Ion: 41 Resp: 249212

Ion Ratio Lower Upper

41 100

39 59.5 46.9 70.3

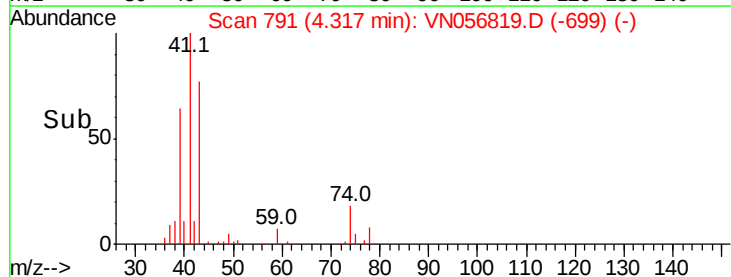
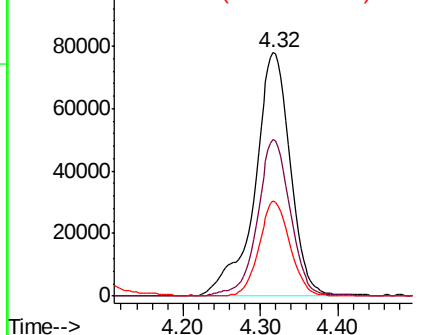
76 33.3 26.5 39.7

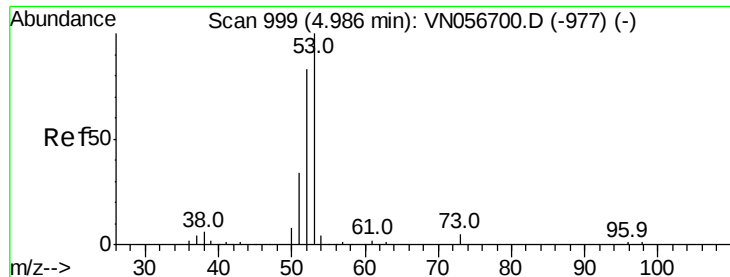


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 259.201 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

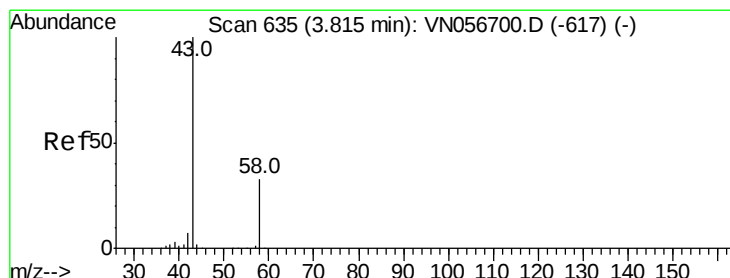
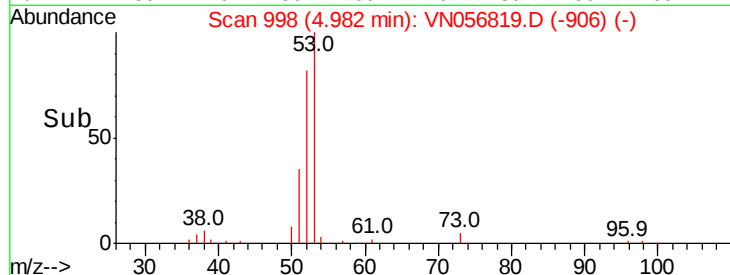
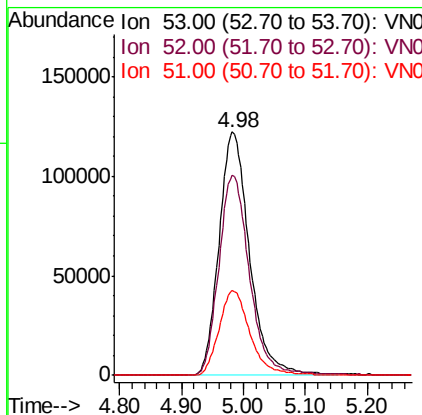
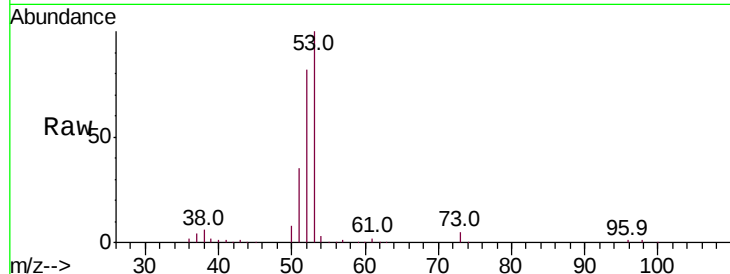
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	419801
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 256.168 ug/l

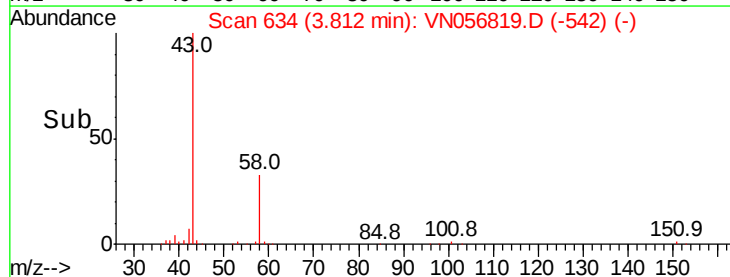
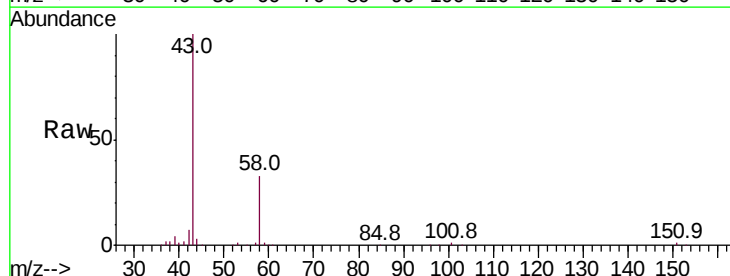
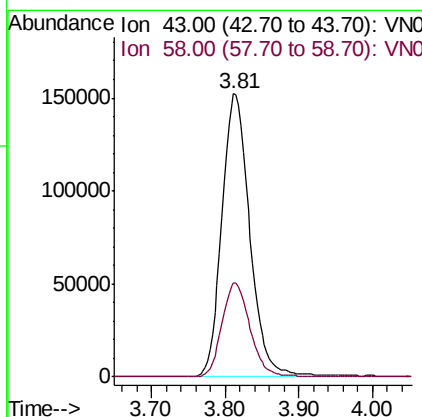
RT: 3.81 min Scan# 634

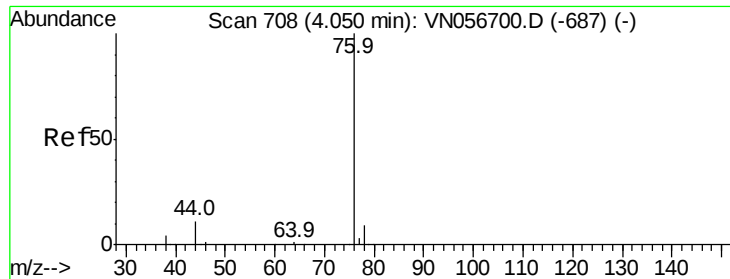
Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	43	Resp:	397749
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.7	40.1





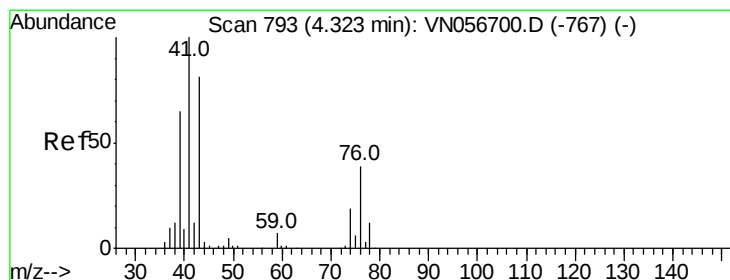
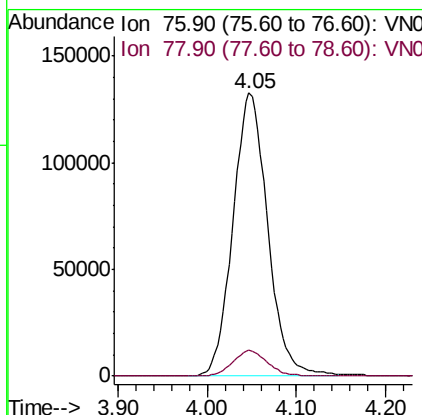
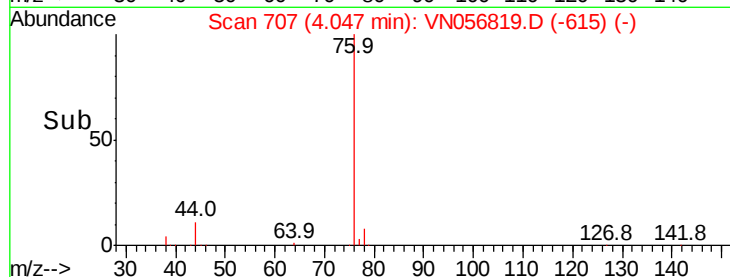
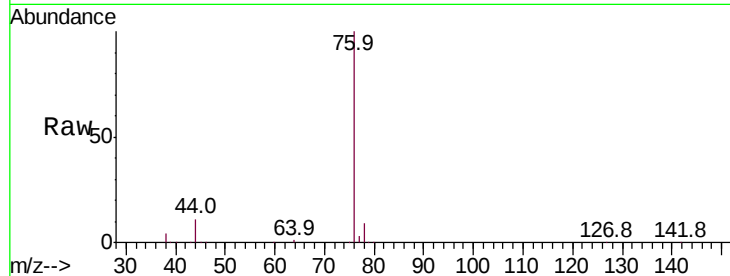
#17
Carbon Disulfide
Concen: 47.406 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 358714
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

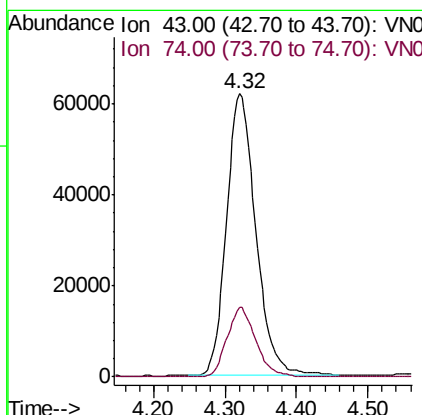
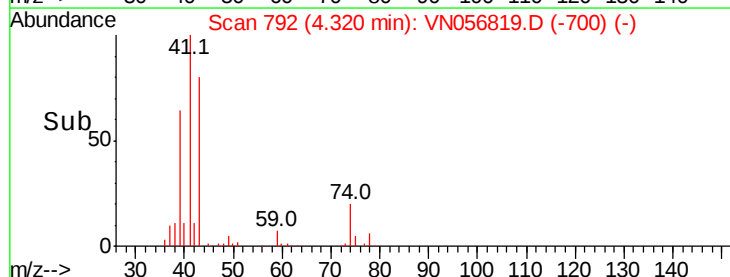
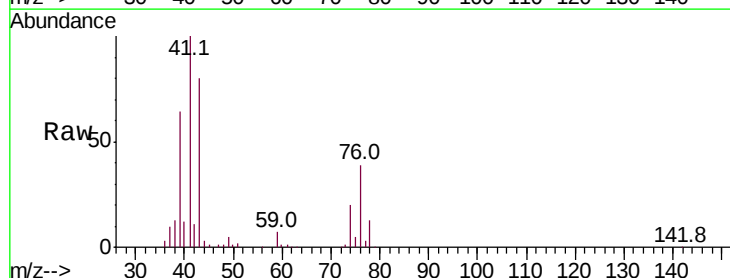
Manual Integrations
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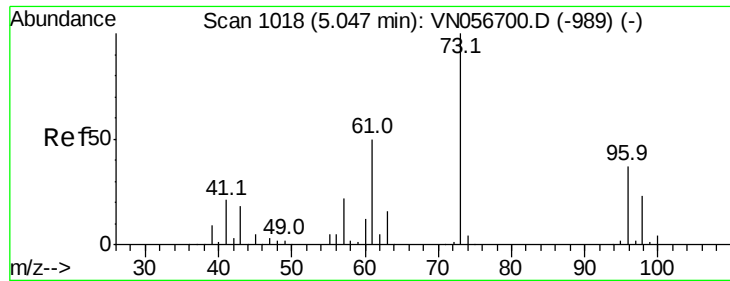
MMDadoda
7/23/2019 4:32:33 AM



#18
Methyl Acetate
Concen: 50.950 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 43 Resp: 177610
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3





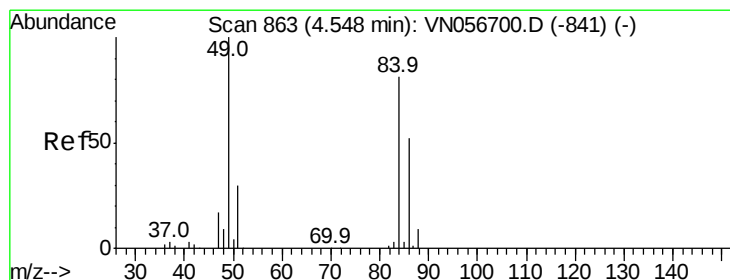
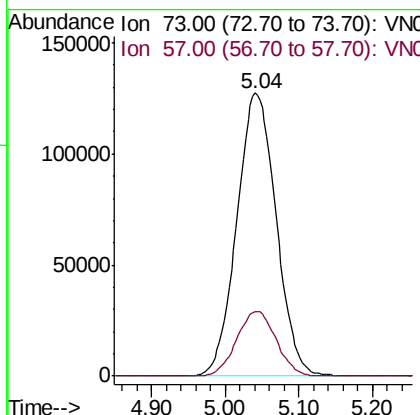
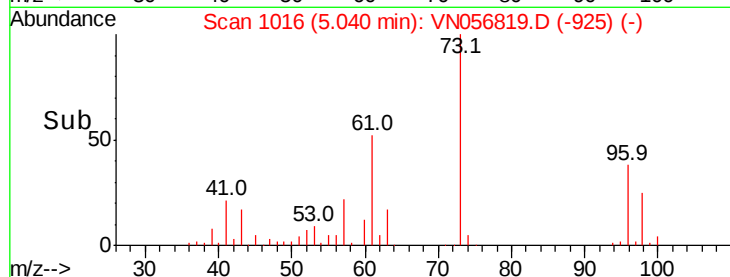
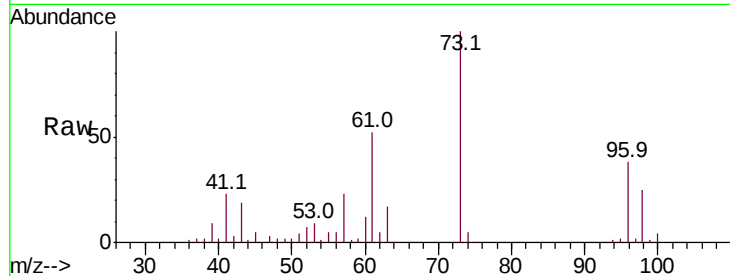
#19
Methyl tert-butyl Ether
Concen: 51.877 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 473309
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

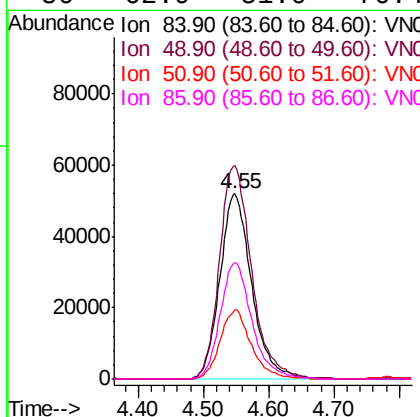
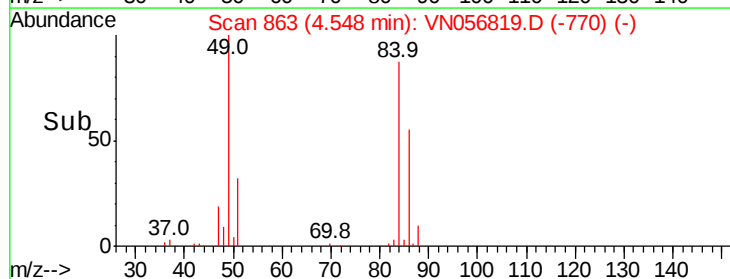
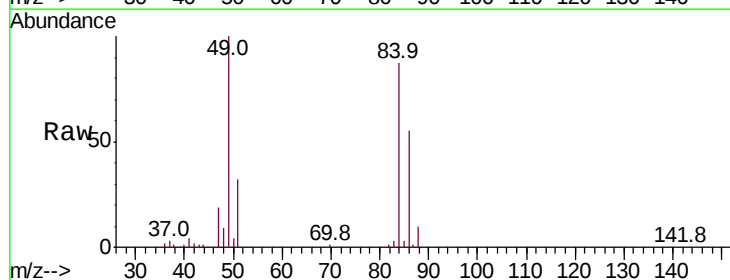
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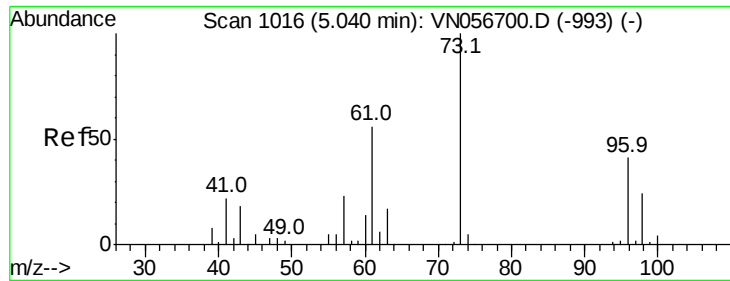
MMDadoda
7/23/2019 4:32:33 AM



#20
Methylene Chloride
Concen: 51.797 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 84 Resp: 175755
Ion Ratio Lower Upper
84 100
49 115.1 98.2 147.4
51 37.2 29.6 44.4
86 62.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 51.621 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 156249

Ion Ratio Lower Upper

96 100

61 137.9 109.4 164.2

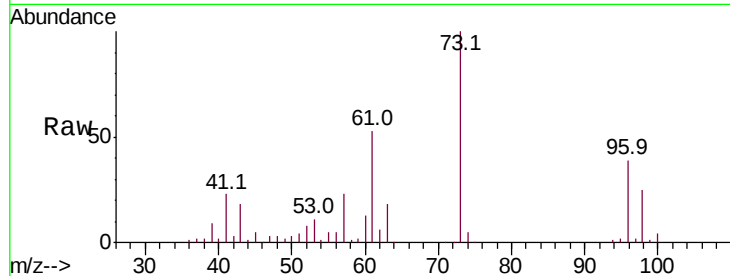
98 65.1 48.0 72.0

Manual Integrations

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MMDadoda

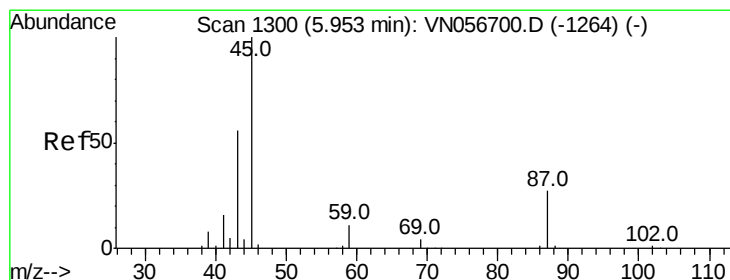
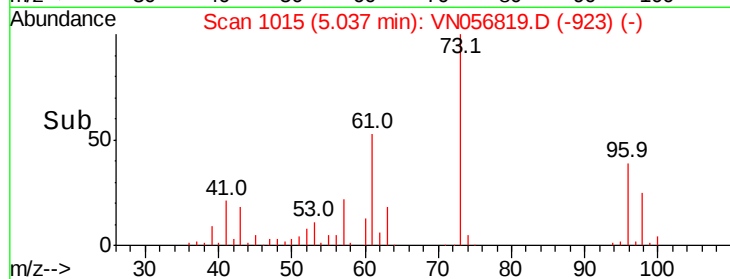
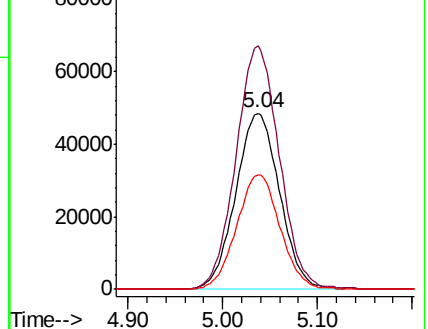
7/23/2019 4:32:33 AM



Abundance Ion 95.90 (95.60 to 96.60): VN056700.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN056700.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN056700.D (-993) (-)



#22

Diisopropyl ether

Concen: 53.228 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion: 45 Resp: 520286

Ion Ratio Lower Upper

45 100

43 61.6 45.6 68.4

87 28.3 22.0 33.0

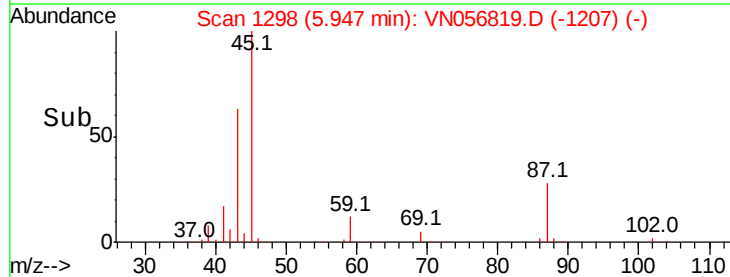
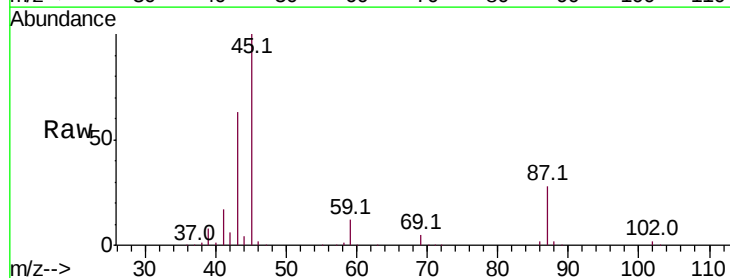
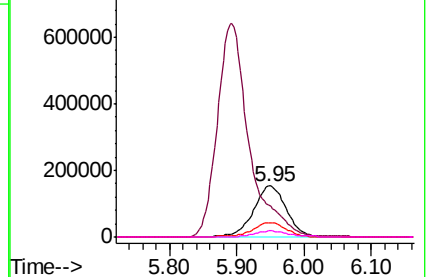
59 11.5 9.3 13.9

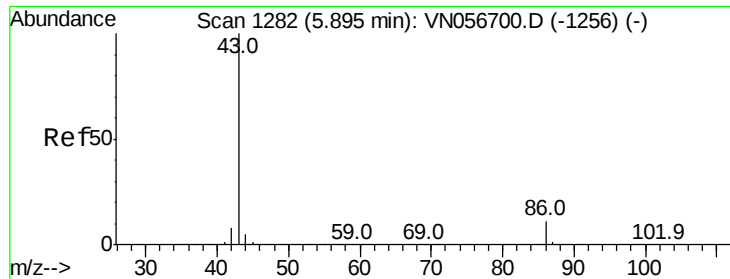
Abundance Ion 45.00 (44.70 to 45.70): VN056700.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN056700.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN056700.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN056700.D (-1264) (-)





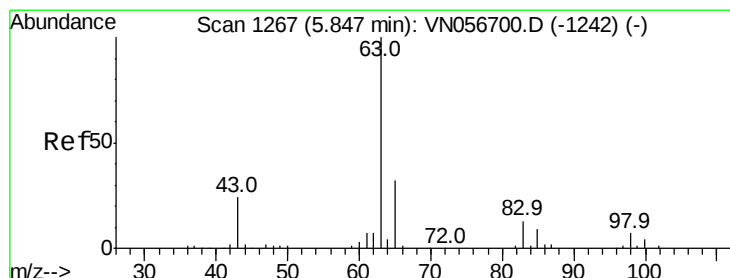
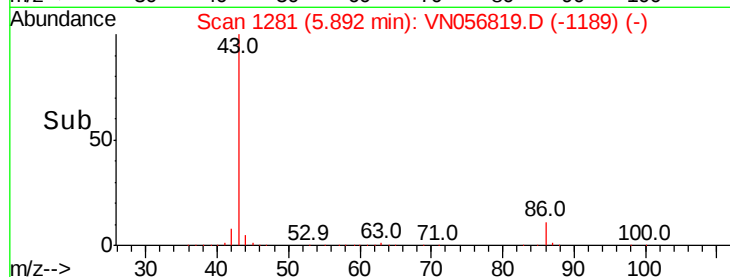
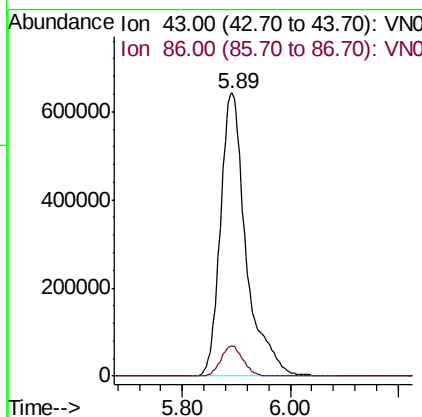
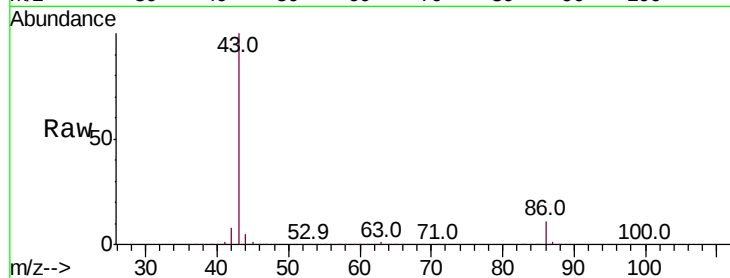
#23
 Vinyl Acetate
 Concen: 267.658 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2120064
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.5 12.7

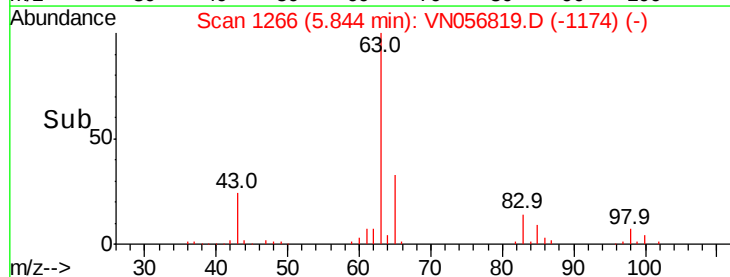
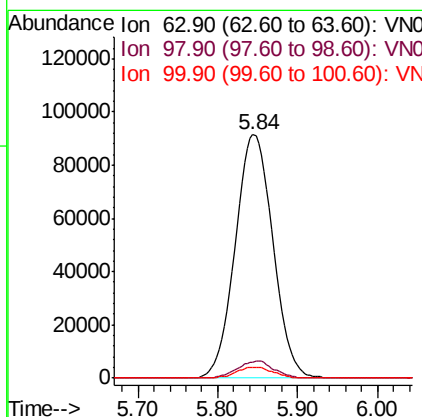
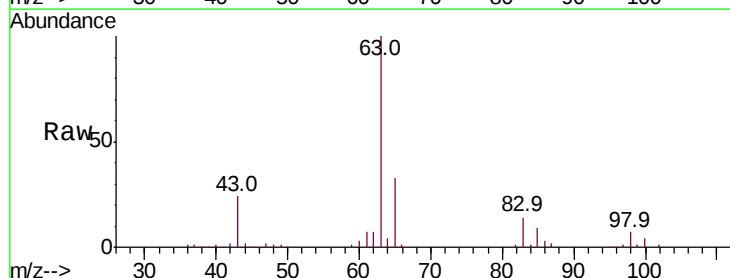
Manual Integrations
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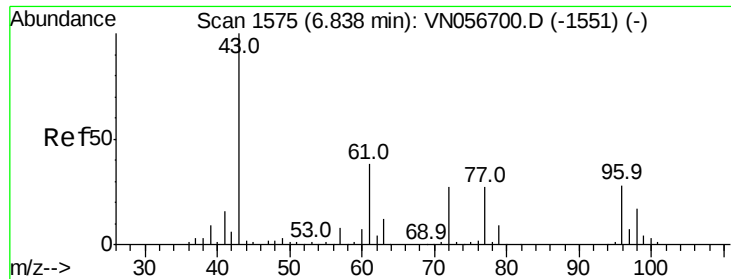
MMDadoda
 7/23/2019 4:32:33 AM



#24
 1,1-Dichloroethane
 Concen: 51.556 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 63 Resp: 292174
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.5 2.0 5.8





#25

2-Butanone

Concen: 254.129 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 576884

Ion Ratio Lower Upper

43 100

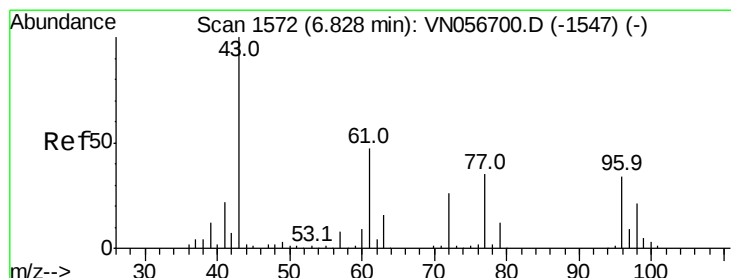
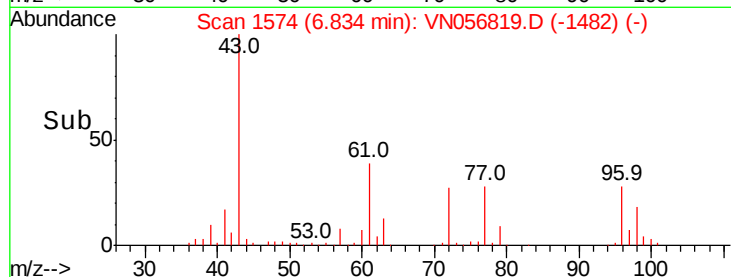
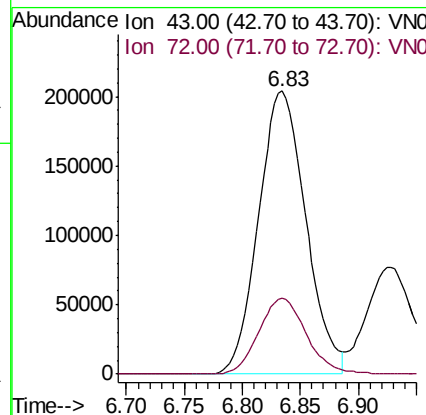
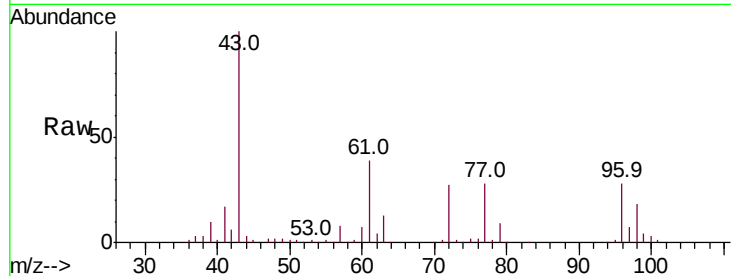
72 26.9 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

7/23/2019 4:32:33 AM



#26

2,2-Dichloropropane

Concen: 53.220 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056819.D

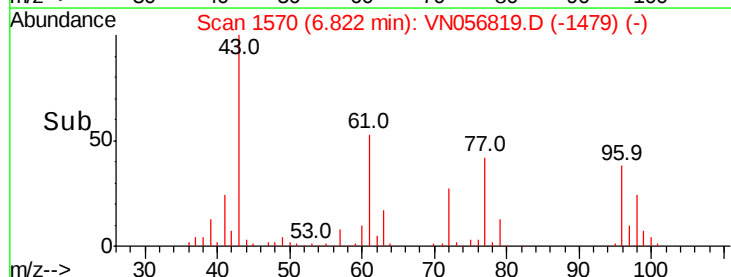
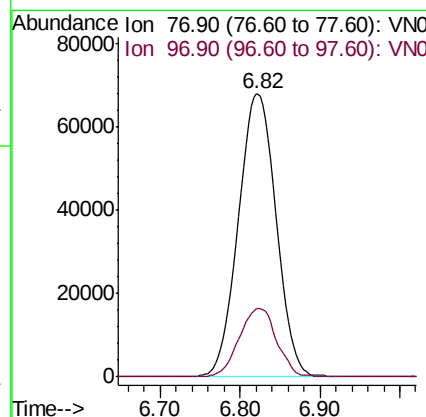
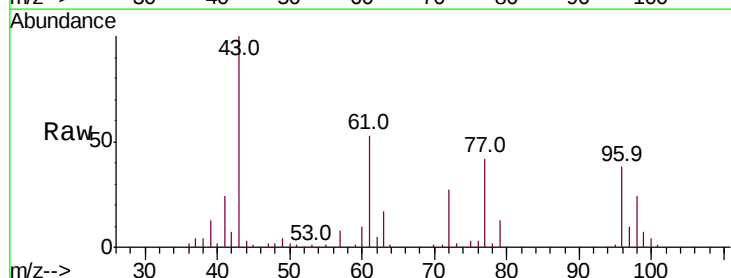
Acq: 19 Jul 2019 10:07

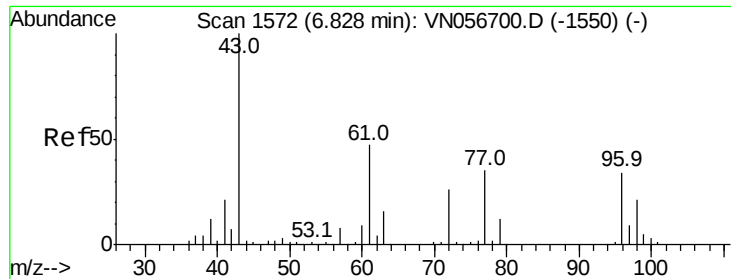
Tgt Ion: 77 Resp: 217469

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.129 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

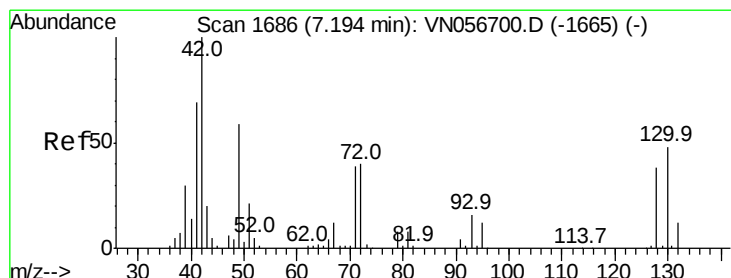
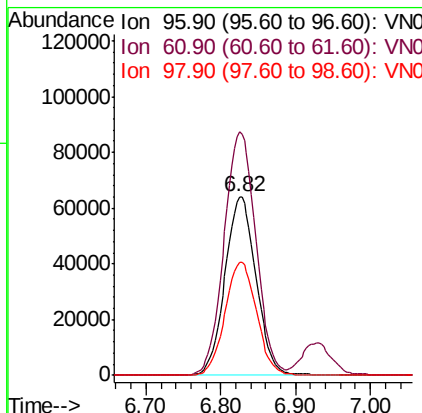
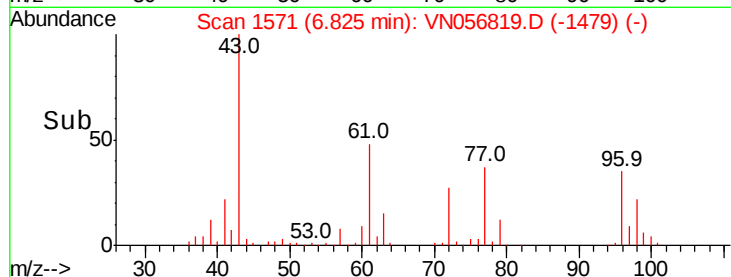
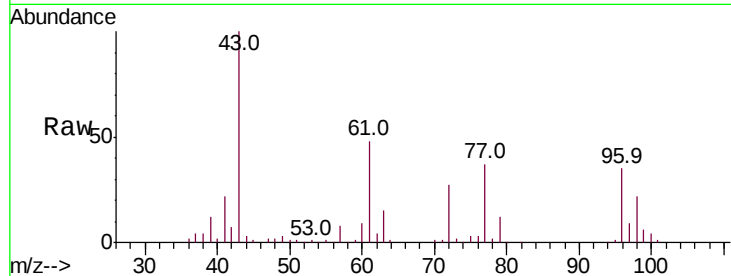
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	185042
Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	281.4
98	64.2	0.0	127.8

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#28

Bromochloromethane

Concen: 47.589 ug/l

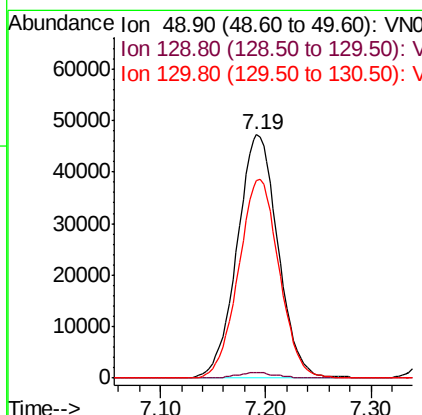
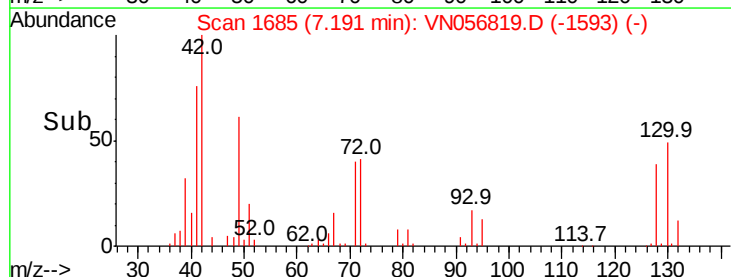
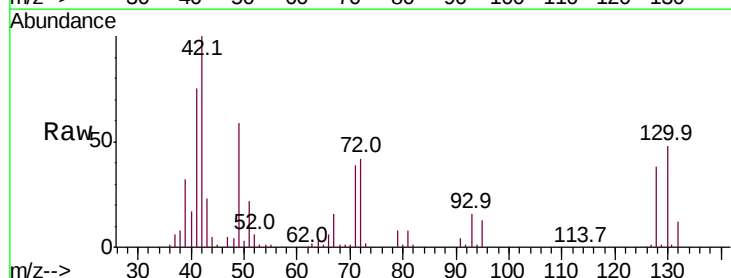
RT: 7.19 min Scan# 1685

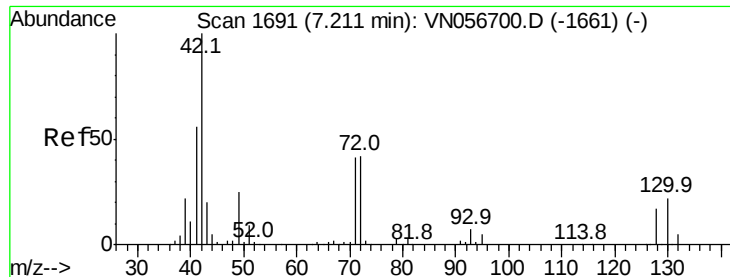
Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	49	Resp:	126803
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	81.5	64.7	97.1





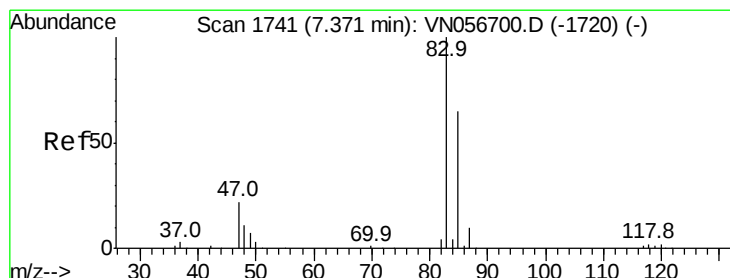
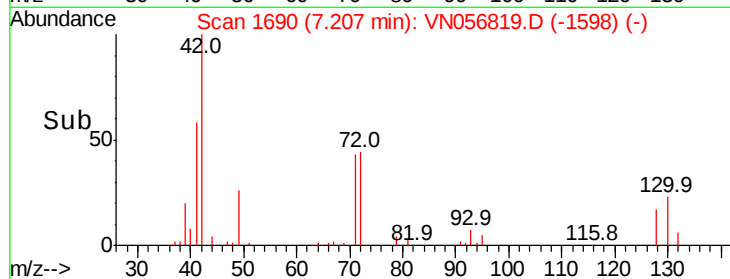
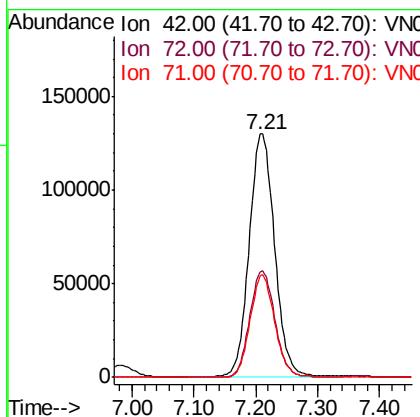
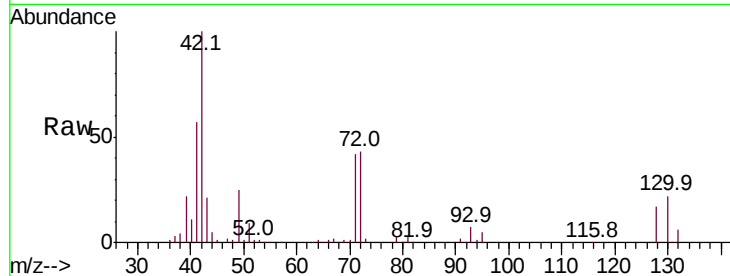
#29
Tetrahydrofuran
Concen: 251.969 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.5	50.3
71	40.4	31.8	47.8

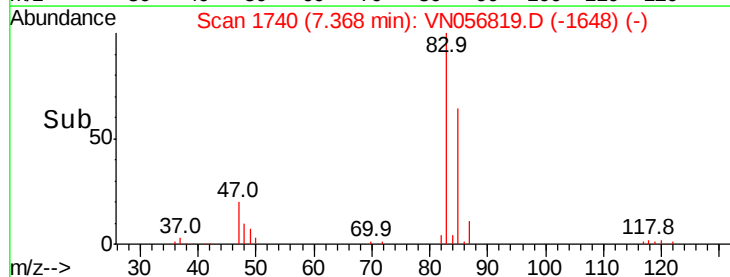
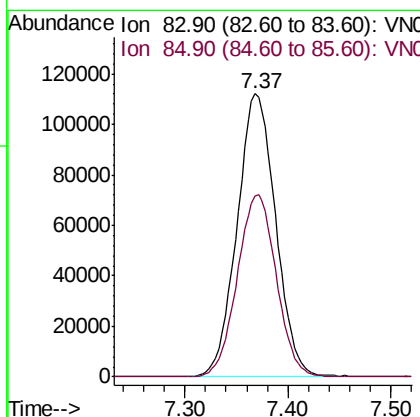
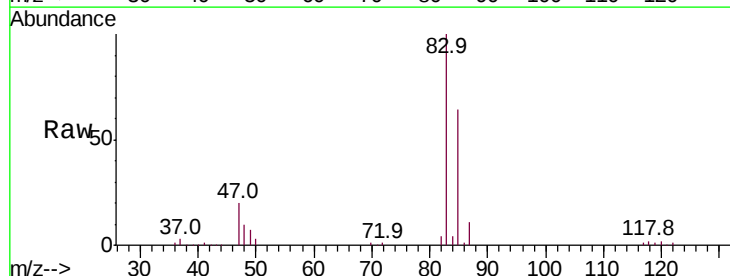
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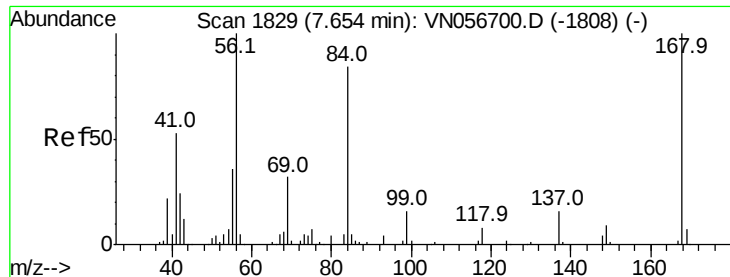
MMDadoda
7/23/2019 4:32:33 AM



#30
Chloroform
Concen: 51.419 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





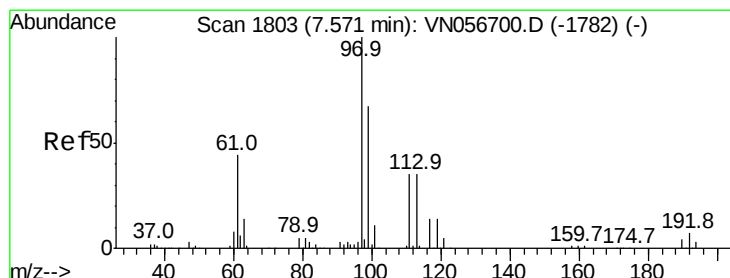
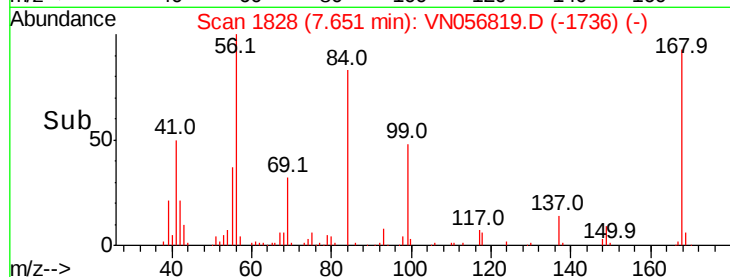
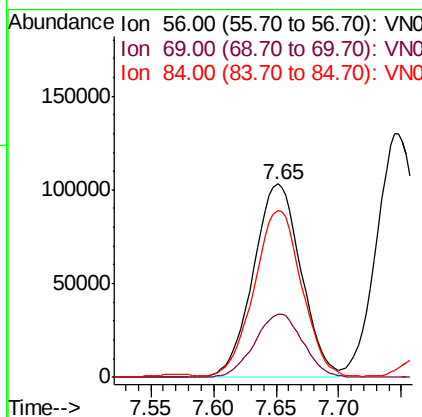
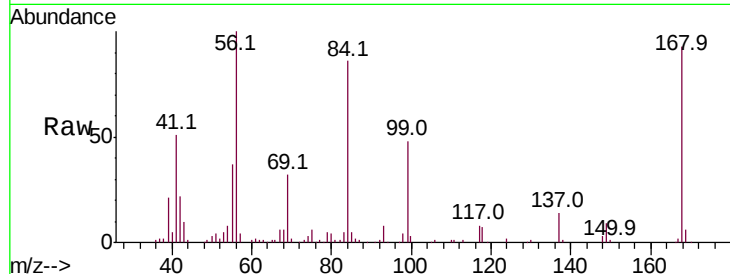
#31
Cyclohexane
Concen: 50.829 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.8
84	85.0	67.4	101.0

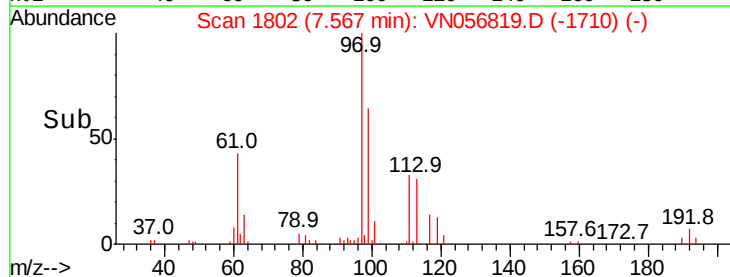
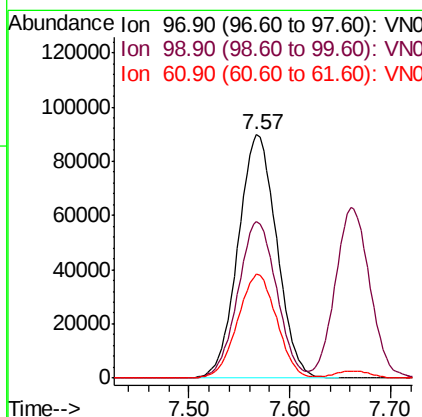
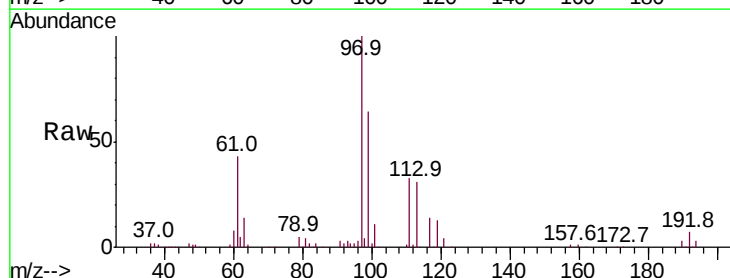
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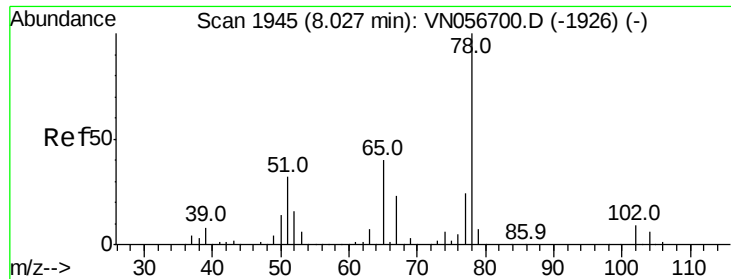
MMDadoda
7/23/2019 4:32:33 AM



#32
1,1,1-Trichloroethane
Concen: 53.102 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	43.2	34.3	51.5





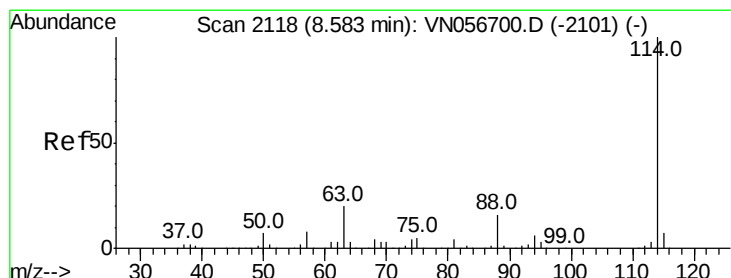
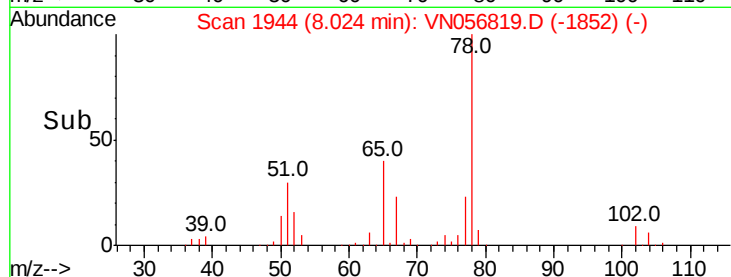
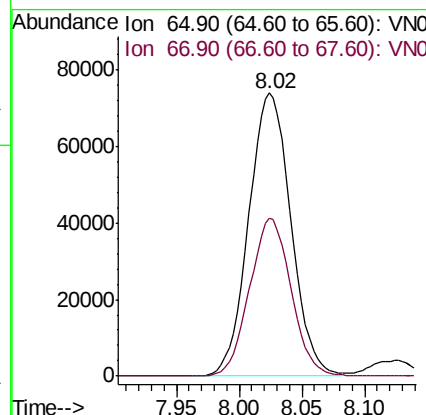
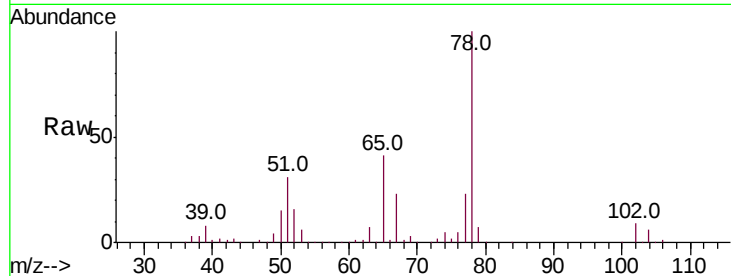
#33
 1,2-Dichloroethane-d4
 Concen: 51.221 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172582		
67	55.0	0.0	109.0	

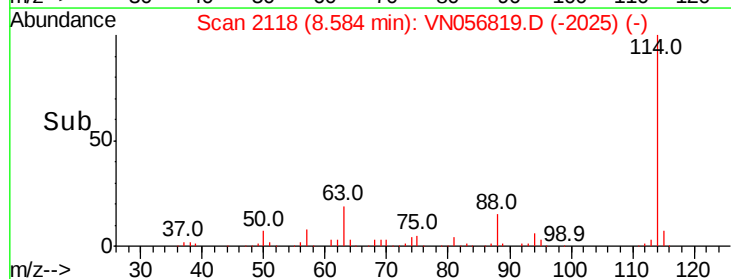
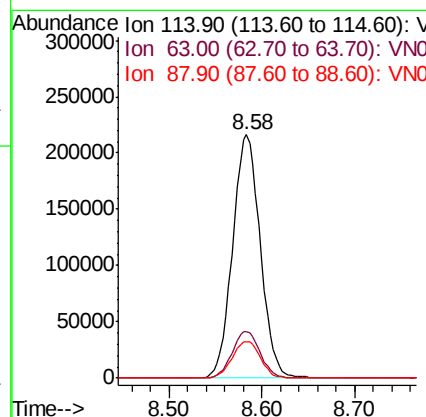
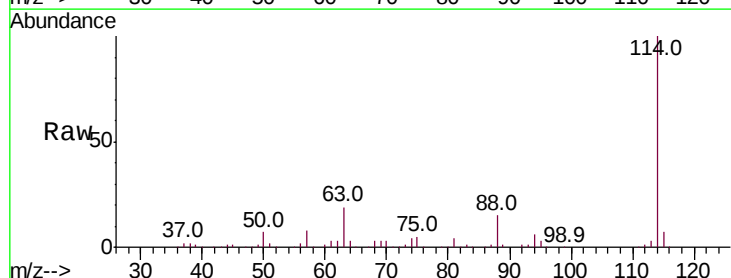
Manual Integrations
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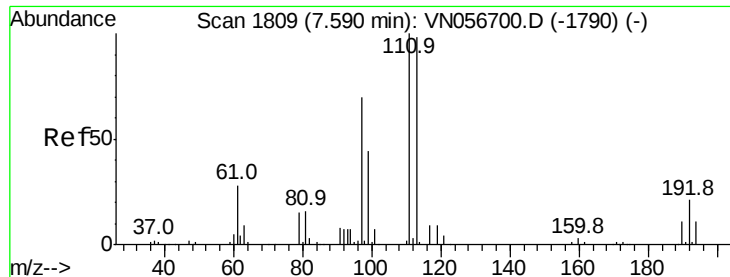
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 7/23/2019 4:32:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447464		
63	19.3	0.0	39.4	
88	15.1	0.0	31.2	





#35

Dibromofluoromethane

Concen: 55.594 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

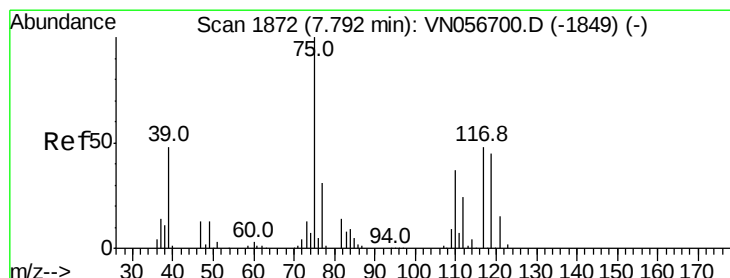
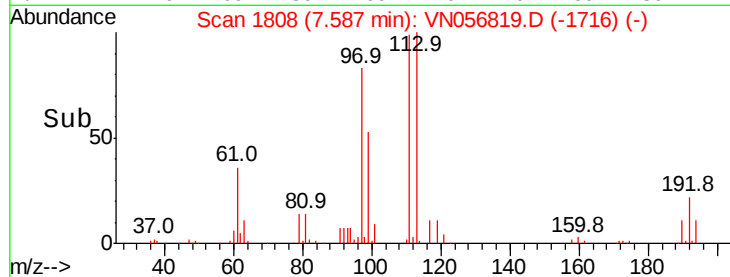
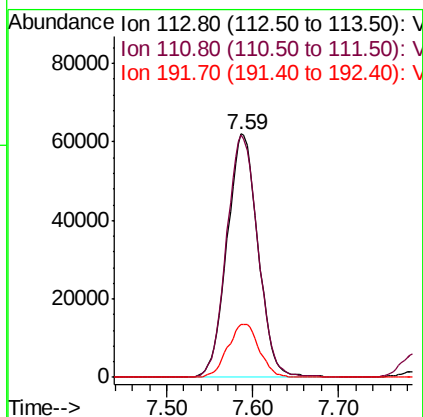
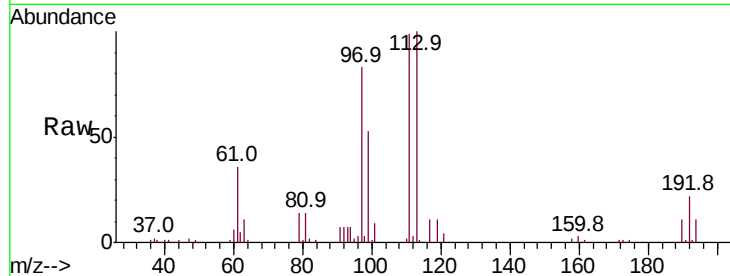
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	154811
Ion Ratio	Lower	Upper	
113	100		
111	100.7	81.8	122.6
192	22.2	17.5	26.3

Manual Integrations
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7/23/2019 4:32:33 AM



#36

1,1-Dichloropropene

Concen: 52.831 ug/l

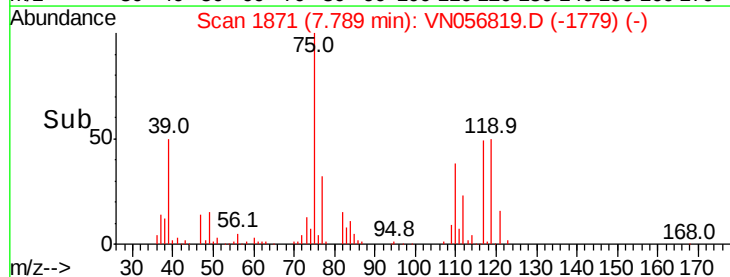
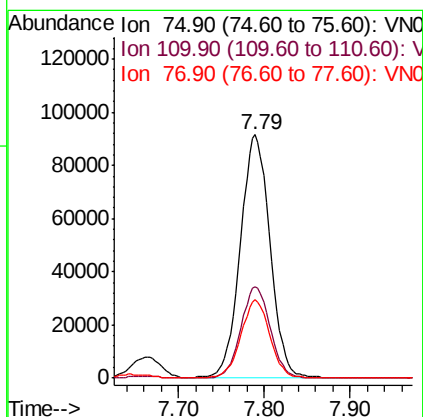
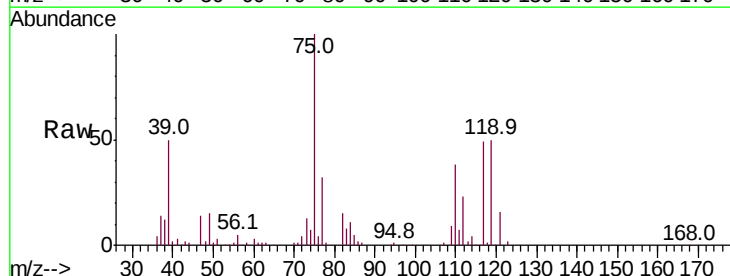
RT: 7.79 min Scan# 1871

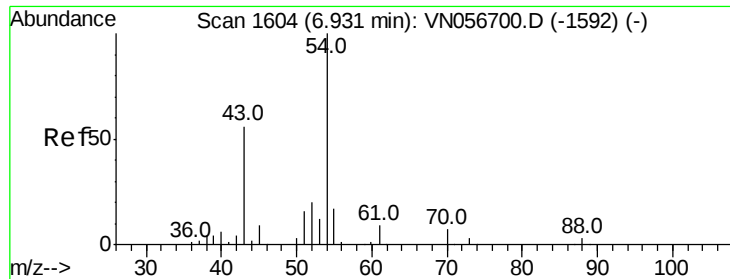
Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	75	Resp:	218755
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.4	55.4
77	31.6	24.6	36.8





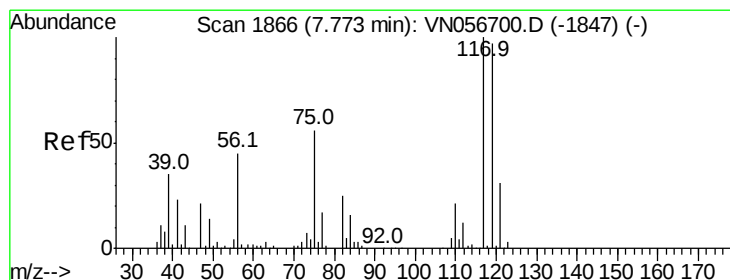
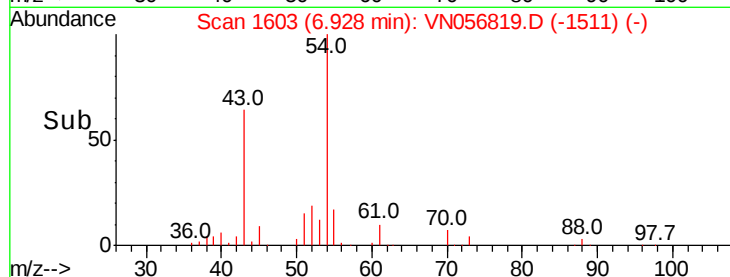
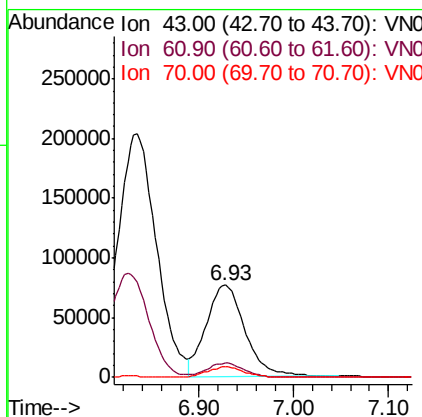
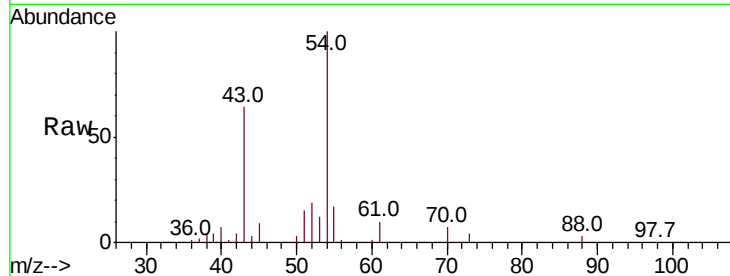
#37
Ethyl Acetate
Concen: 53.767 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	219423
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	11.0	8.5	12.7

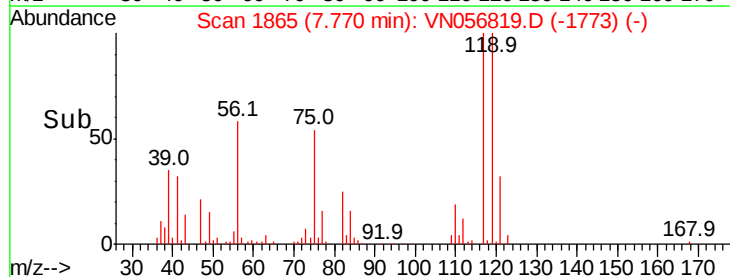
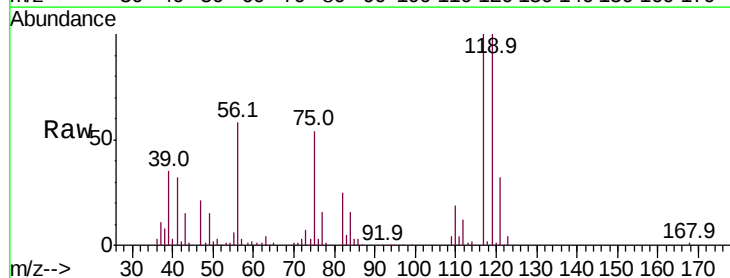
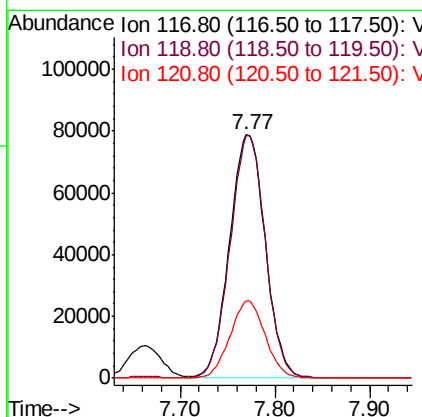
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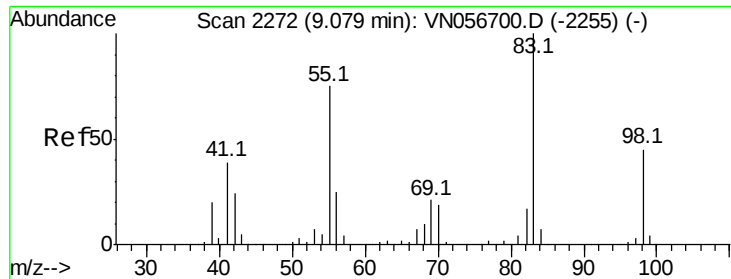
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#38
Carbon Tetrachloride
Concen: 53.304 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	117	Resp	206986
Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	31.7	24.7	37.1





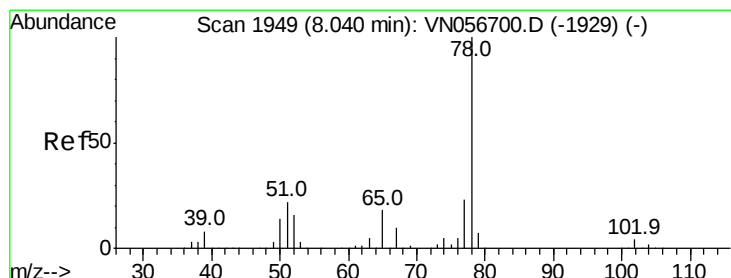
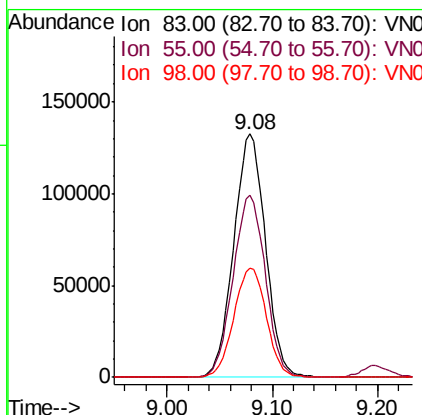
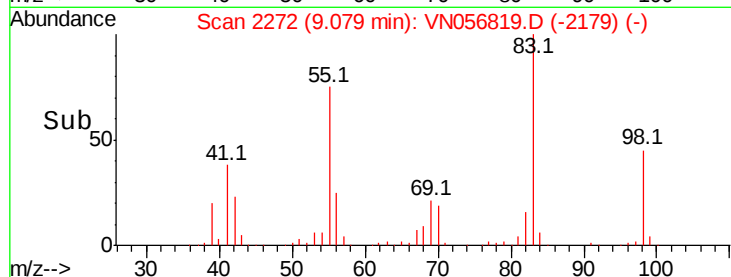
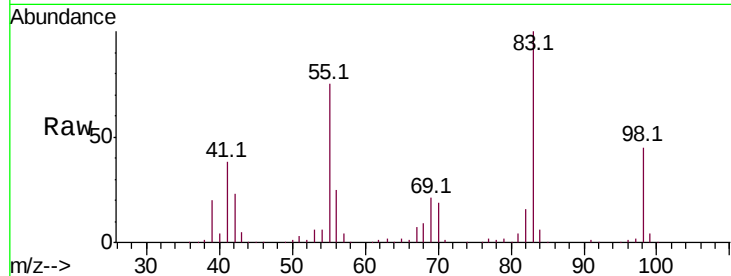
#39
Methvlcvclohexane
Concen: 54.275 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	277492		
55	74.7		60.4	90.6
98	44.7		35.8	53.8

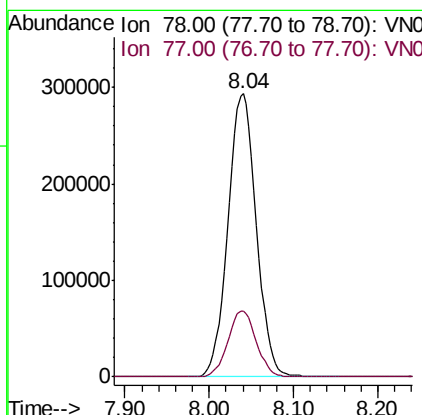
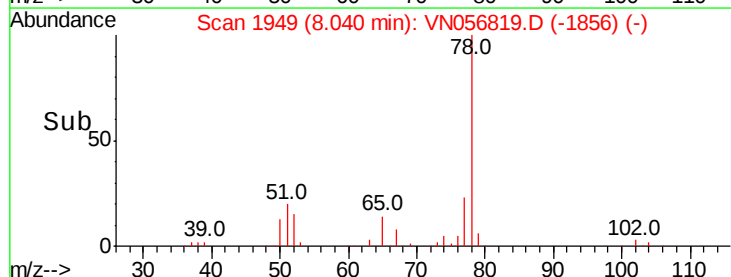
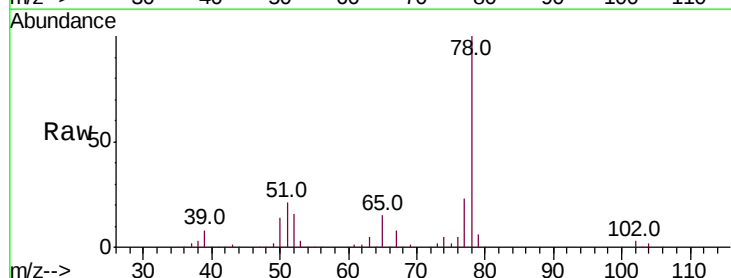
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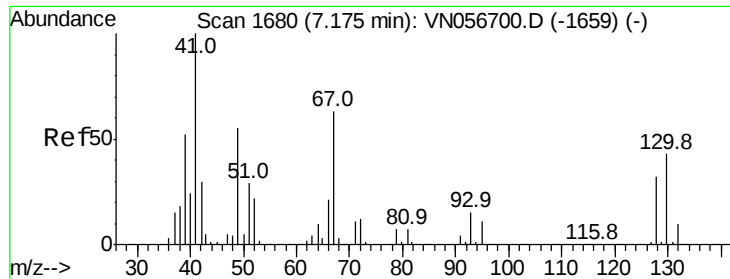
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7/23/2019 4:32:33 AM



#40
Benzene
Concen: 53.914 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	684020		
77	23.3		18.6	27.8





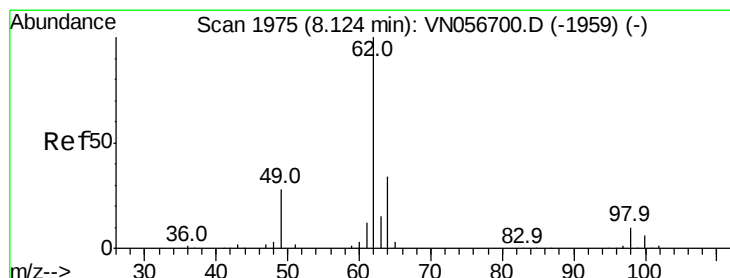
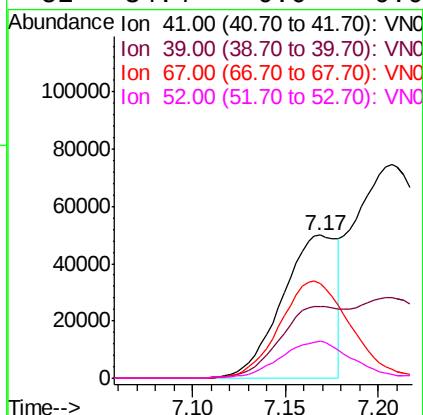
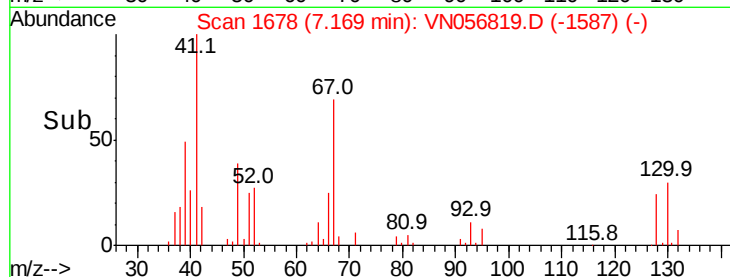
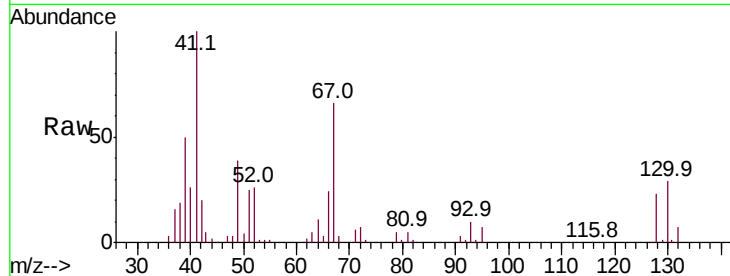
#41
Methacrylonitrile
Concen: 57.696 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.1	0.0	0.0	#
67	87.7	0.0	0.0	#
52	34.4	0.0	0.0	#

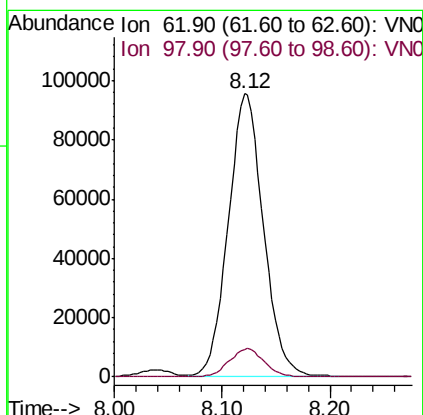
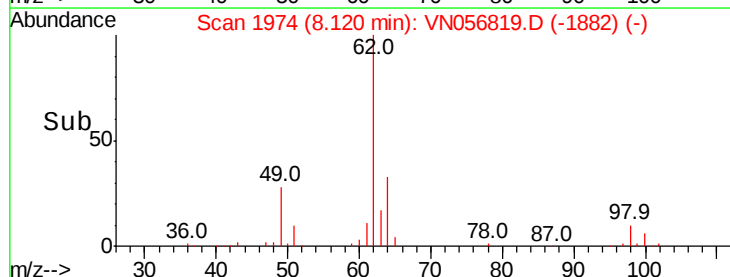
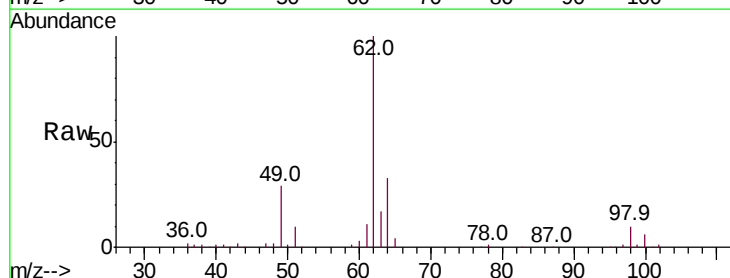
Manual Integrations
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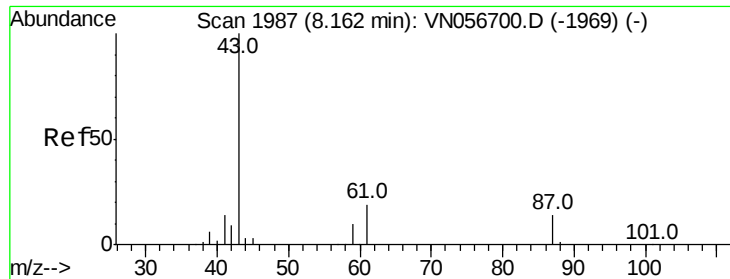
MMDadoda
7/23/2019 4:32:33 AM



#42
1,2-Dichloroethane
Concen: 53.822 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.8	





#43

Isopropyl Acetate

Concen: 53.713 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

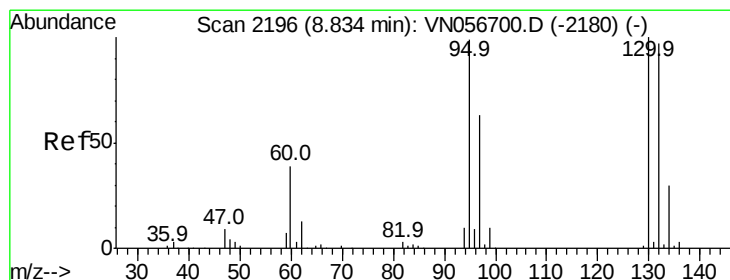
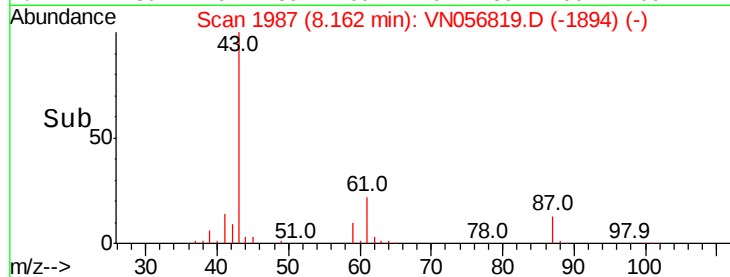
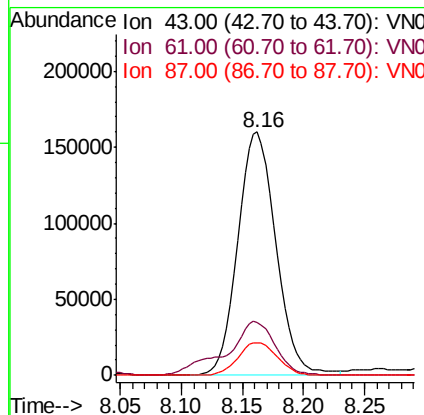
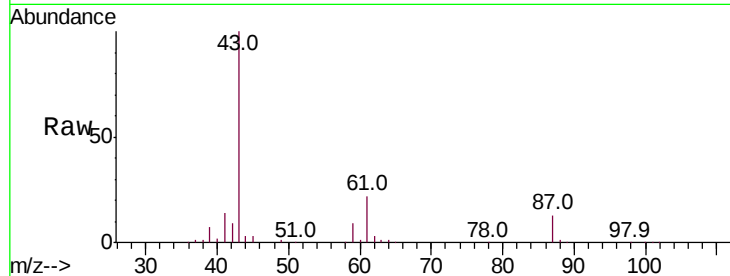
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	344607
Ion Ratio	Lower	Upper	
43	100		
61	28.3	22.3	33.5
87	14.0	11.1	16.7

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#44

Trichloroethene

Concen: 55.026 ug/l

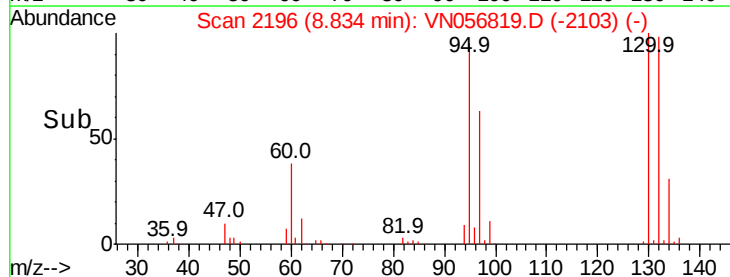
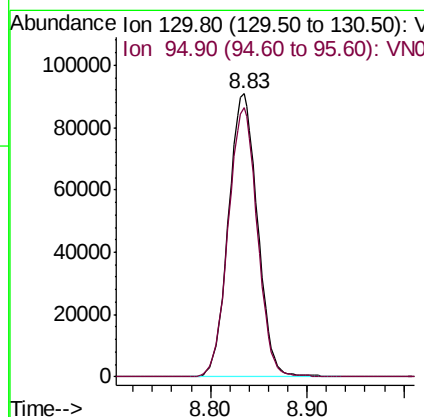
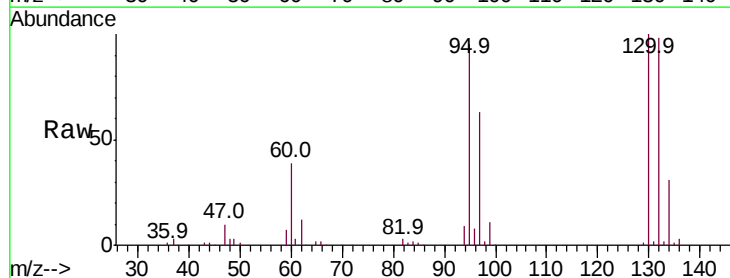
RT: 8.83 min Scan# 2196

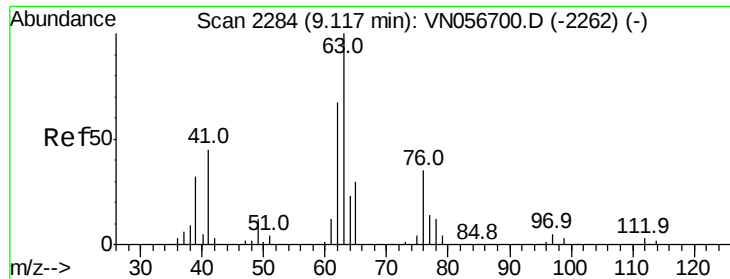
Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	130	Resp:	189581
Ion Ratio	Lower	Upper	
130	100		
95	94.9	0.0	197.2





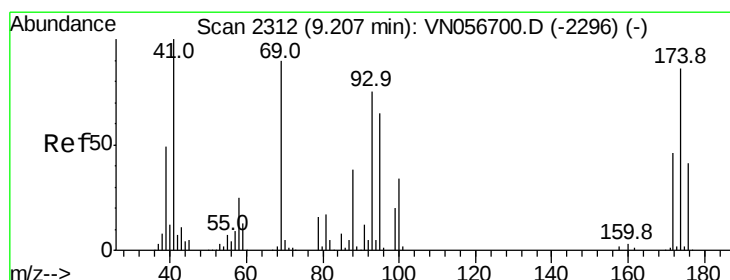
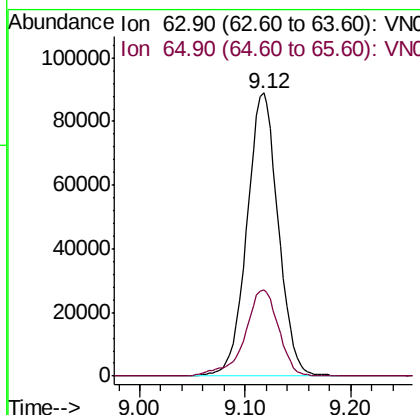
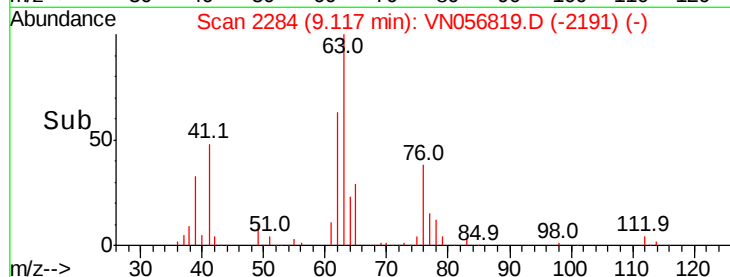
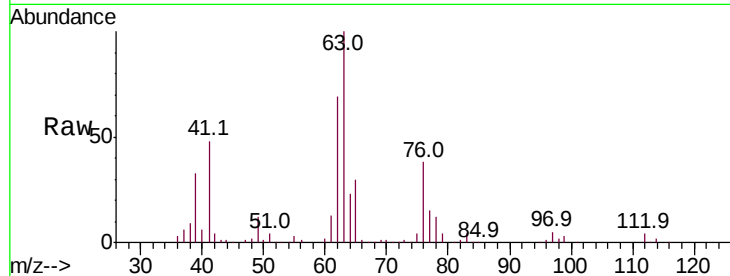
#45
 1,2-Dichloropropane
 Concen: 54.612 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 184107
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.0 36.0

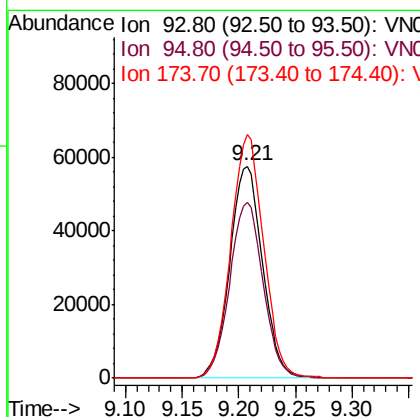
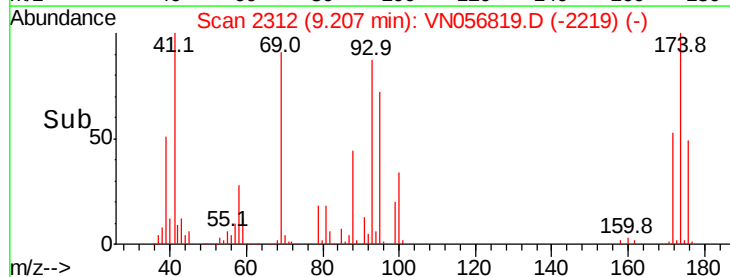
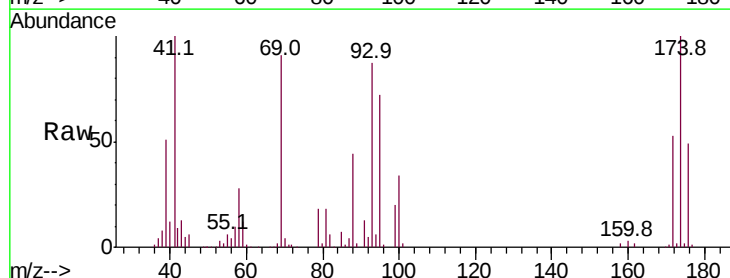
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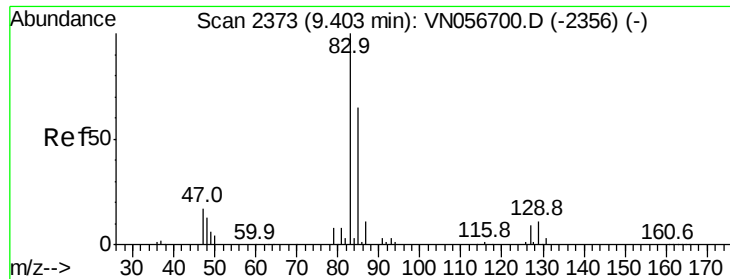
MMDadoda
 7/23/2019 4:32:33 AM



#46
 Dibromomethane
 Concen: 55.664 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 93 Resp: 116289
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.4 101.0
 174 115.0 90.3 135.5





#47

Bromodichloromethane

Concen: 55.826 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

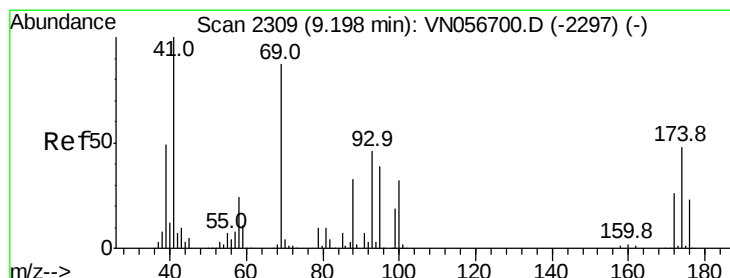
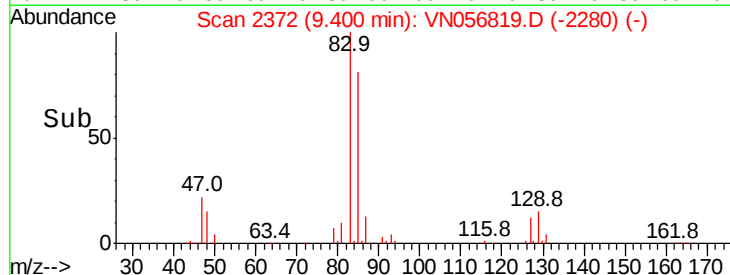
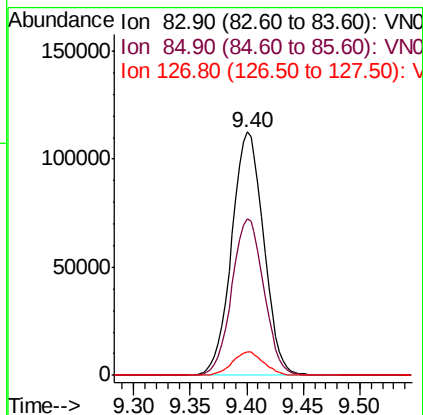
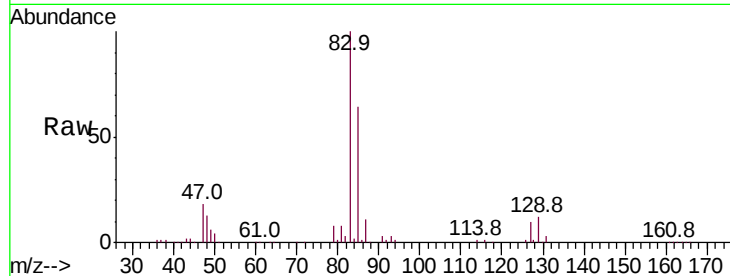
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	221625
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.3	78.5
127	9.7	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.223 ug/l

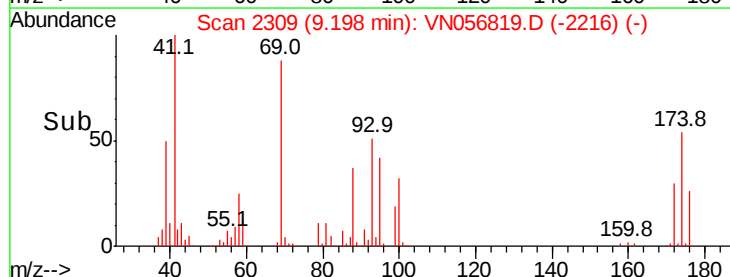
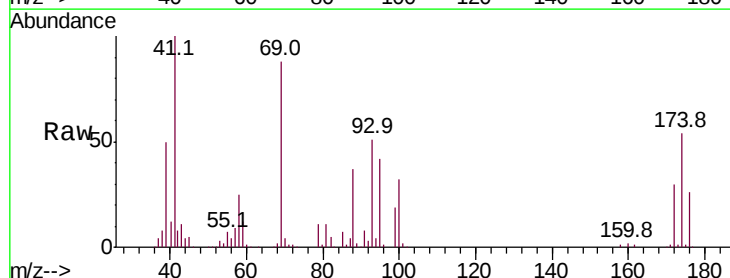
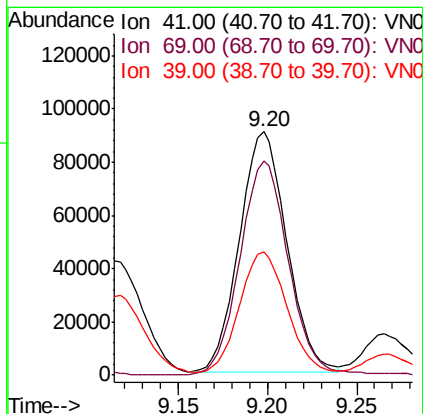
RT: 9.20 min Scan# 2309

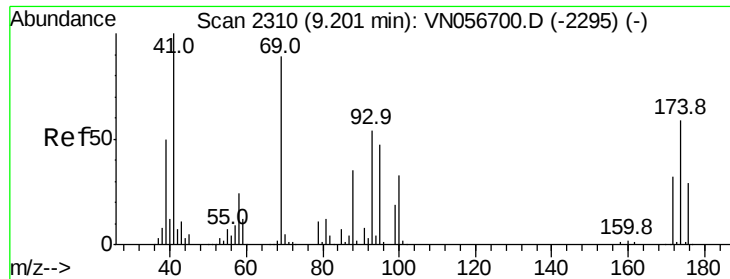
Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	41	Resp:	168240
Ion Ratio	Lower	Upper	
41	100		
69	91.2	71.4	107.0
39	52.1	41.2	61.8





#49

1,4-Dioxane

Concen: 1174.548 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

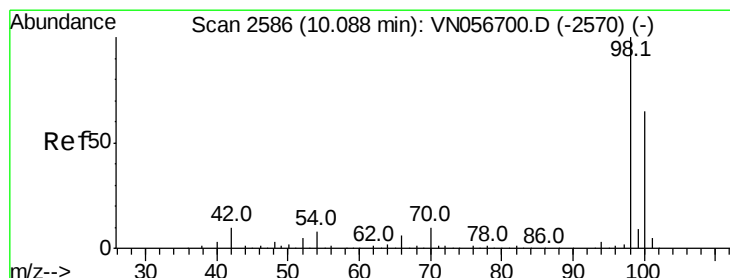
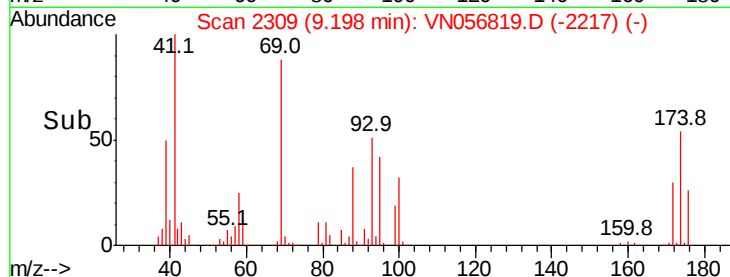
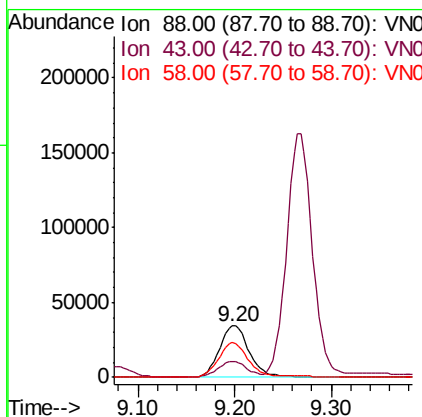
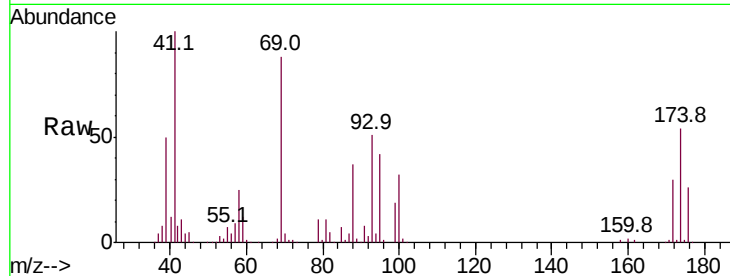
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	74777
Ion	Ratio	Lower	Upper
88	100		
43	27.5	23.7	35.5
58	65.9	55.6	83.4

Manual Integrations
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#50

Toluene-d8

Concen: 54.682 ug/l

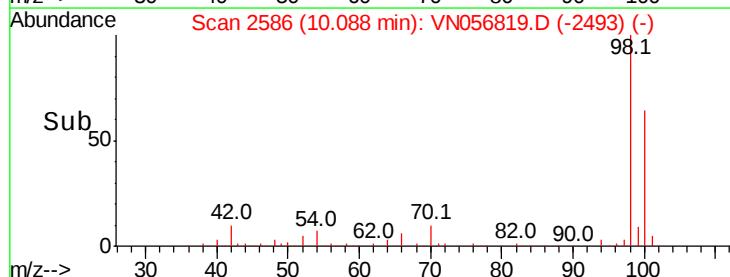
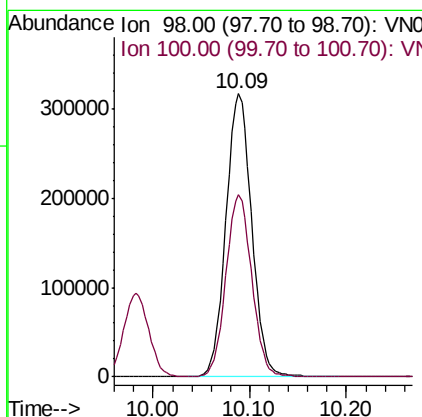
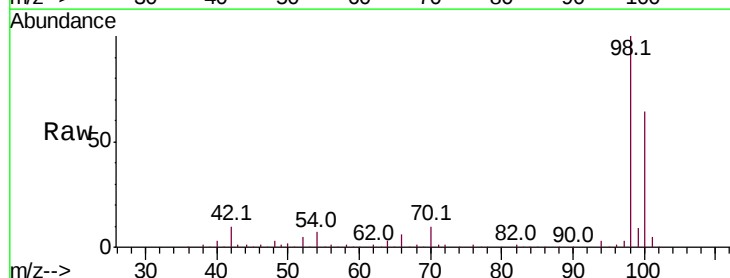
RT: 10.09 min Scan# 2586

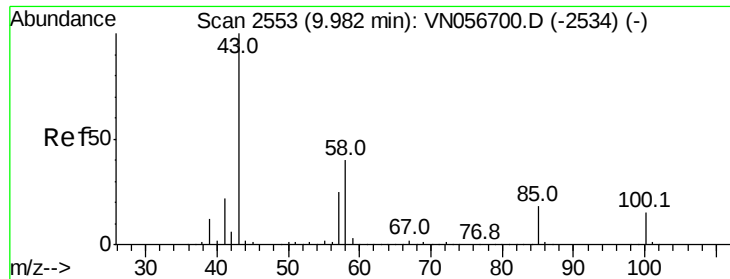
Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	98	Resp:	588104
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 266.939 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tot Ion: 43 Resp: 1109225

Ion Ratio Lower Upper

43 100

58 40.4 32.0 48.0

Instrument :

MSVOA_N

ClientSampleId :

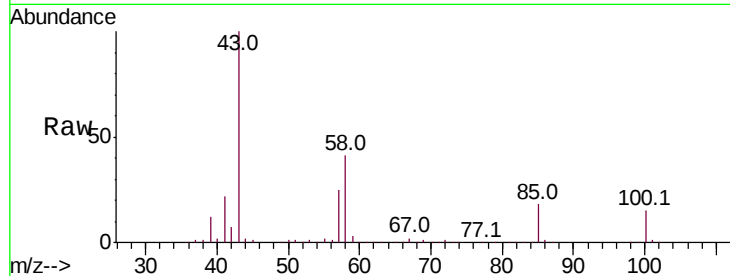
VSTDCCC050

Manual Integrations

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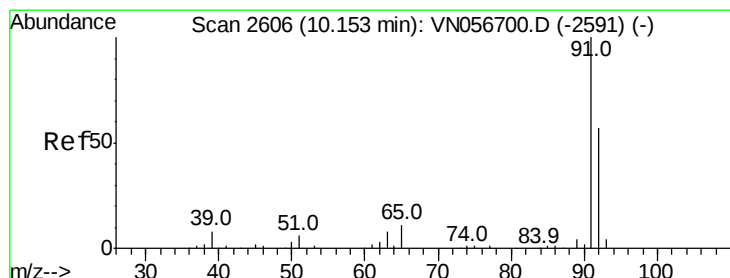
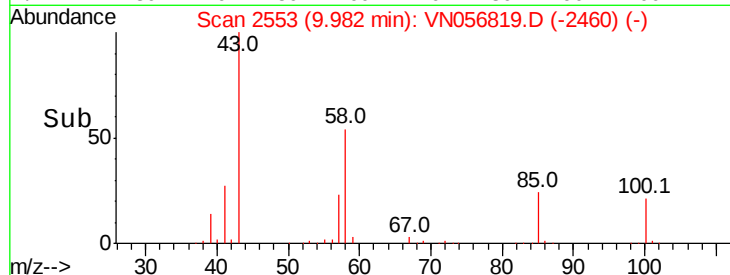
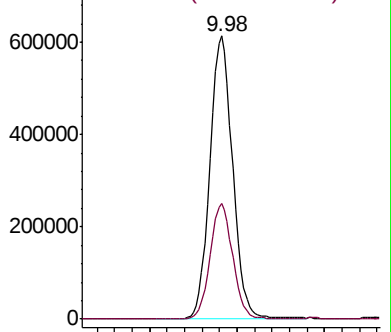
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 56.136 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056819.D

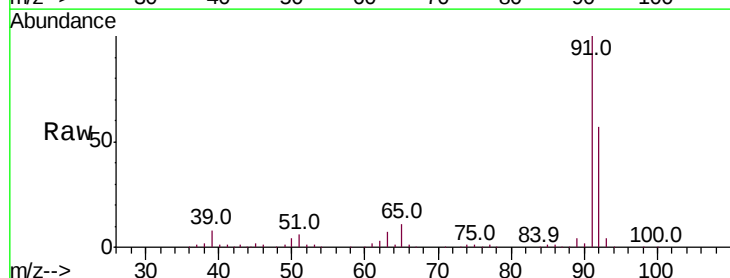
Acq: 19 Jul 2019 10:07

Tgt Ion: 92 Resp: 422966

Ion Ratio Lower Upper

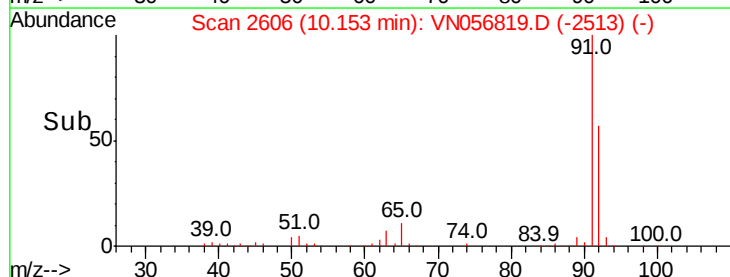
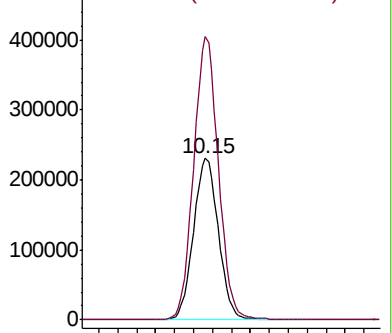
92 100

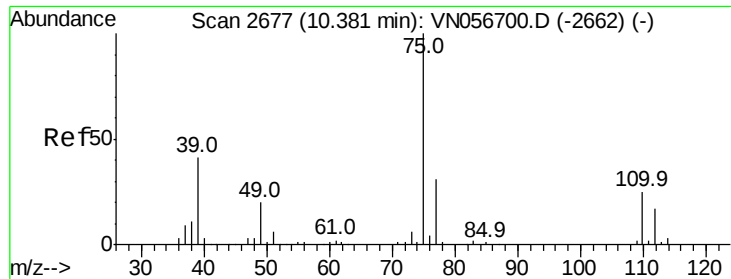
91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





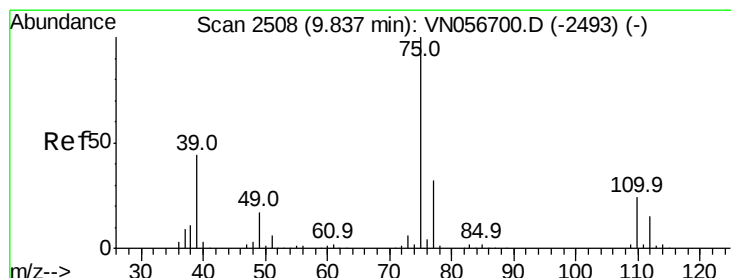
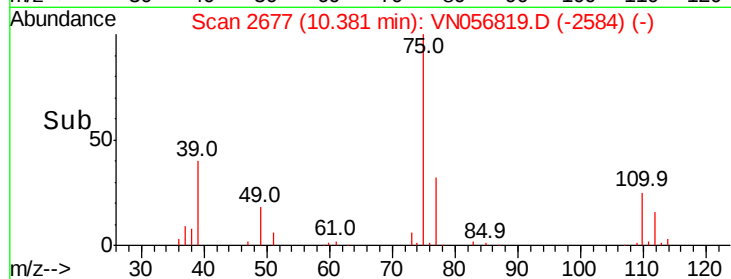
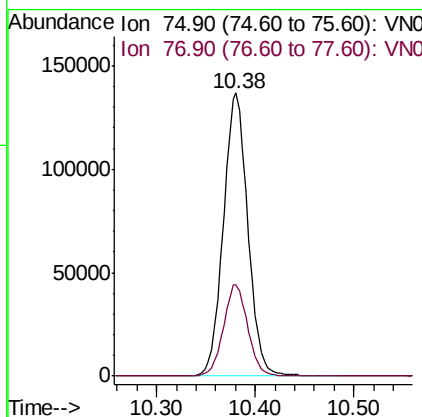
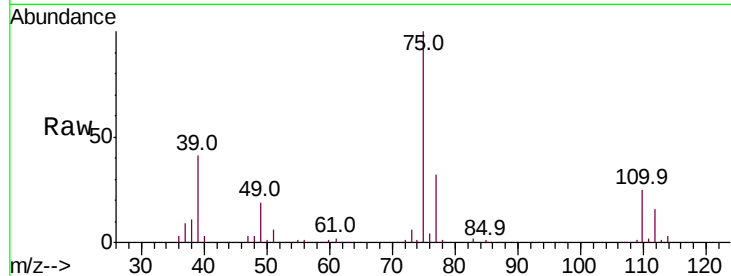
#53
t-1,3-Dichloropropene
Concen: 57.593 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 238543
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6

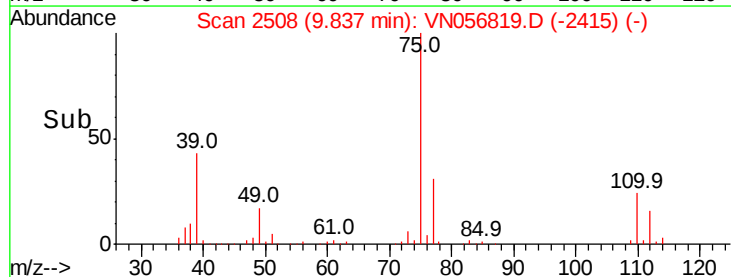
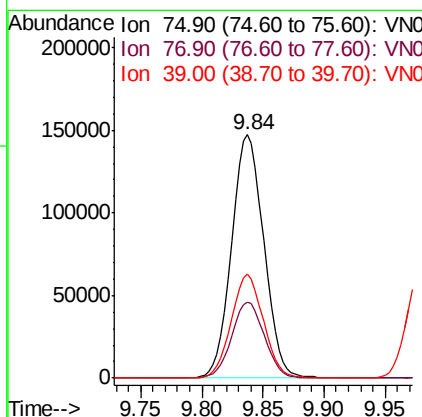
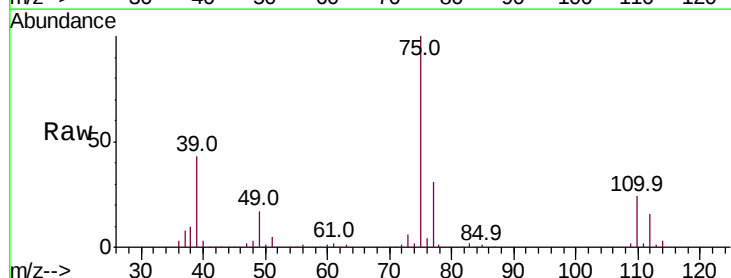
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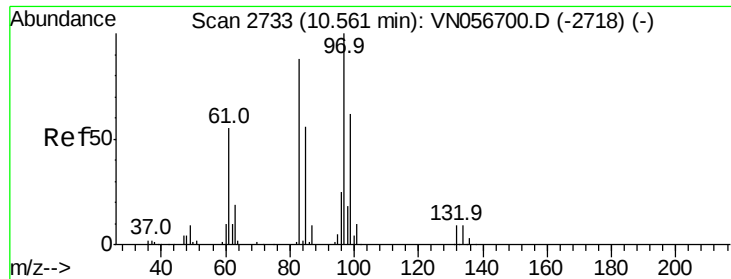
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.325 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 75 Resp: 270716
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
39 42.7 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 54.179 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 171221

Ion Ratio Lower Upper

97 100

83 87.4 70.3 105.5

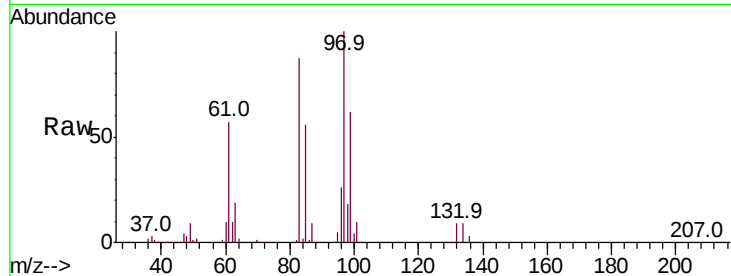
85 55.8 44.8 67.2

99 62.4 49.6 74.4

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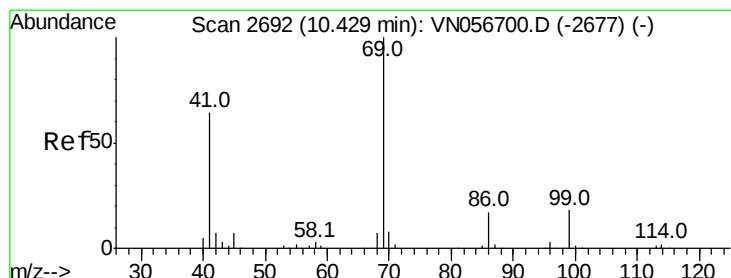
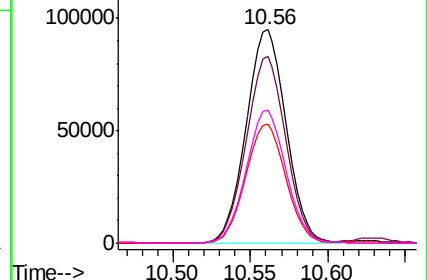
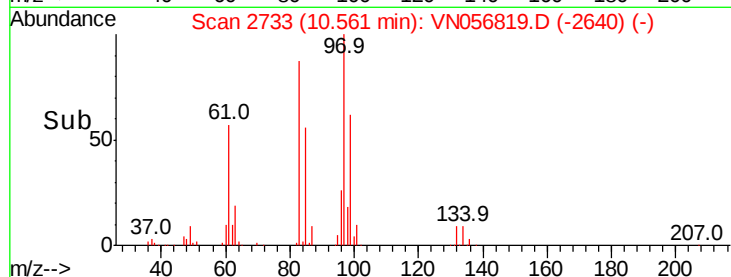


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 57.494 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

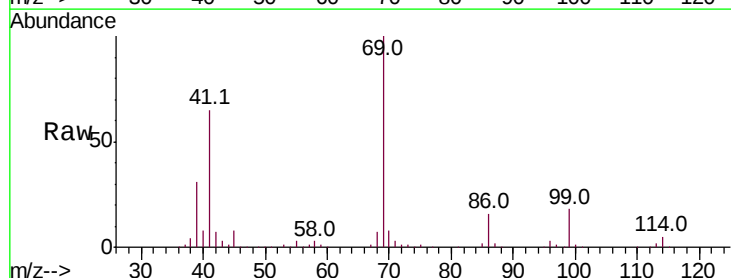
Tgt Ion: 69 Resp: 261436

Ion Ratio Lower Upper

69 100

41 63.3 51.0 76.4

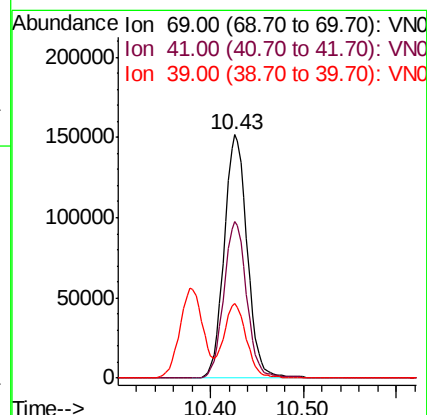
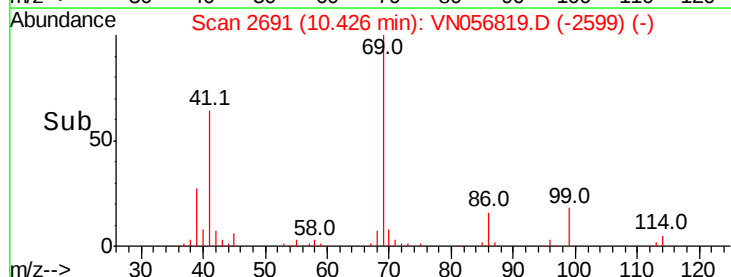
39 30.1 24.6 36.8

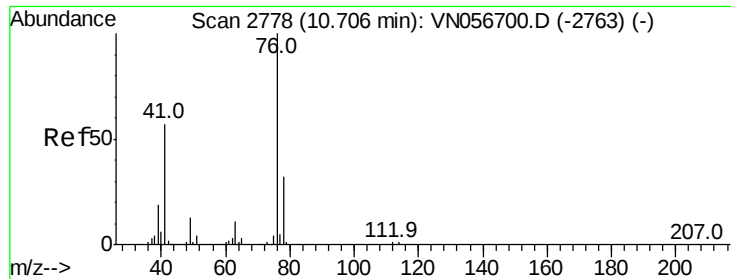


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.034 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284058

Ion Ratio Lower Upper

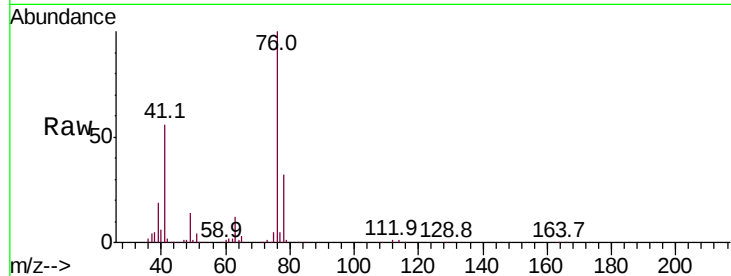
76 100

78 32.6 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

150000

100000

50000

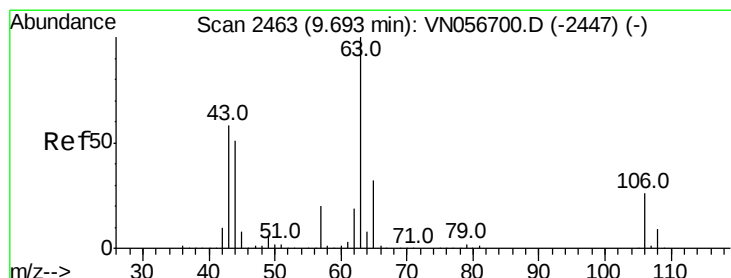
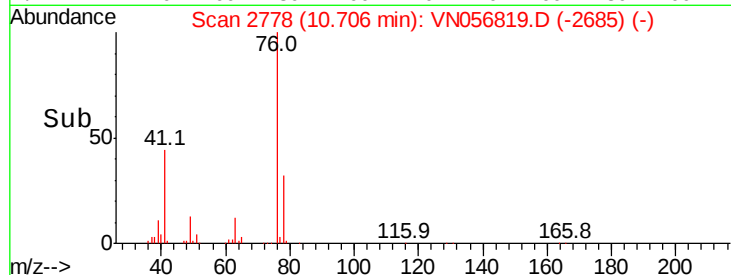
0

Time-->

10.60

10.70

10.80



#58

2-Chloroethyl Vinyl ether

Concen: 279.323 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056819.D

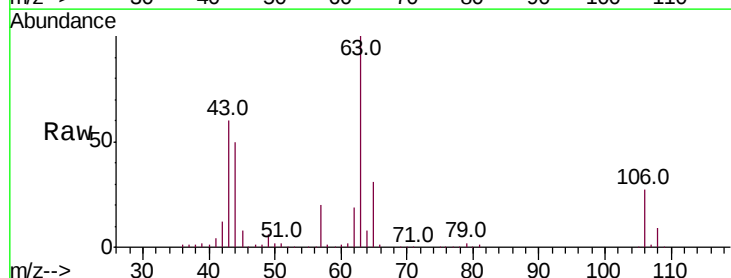
Acq: 19 Jul 2019 10:07

Tgt Ion: 63 Resp: 610774

Ion Ratio Lower Upper

63 100

106 27.3 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

300000

200000

100000

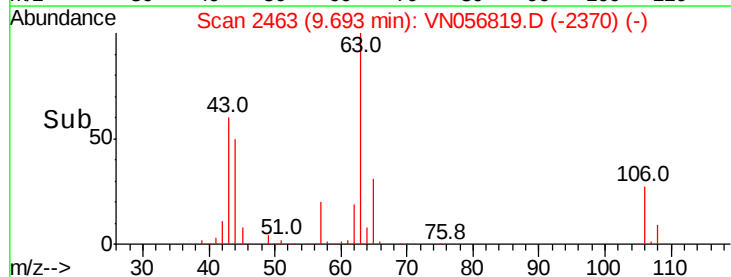
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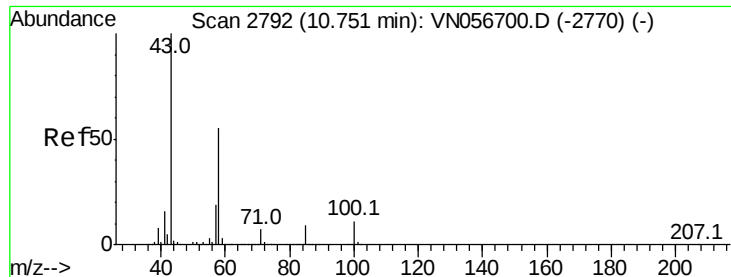
Time-->

9.60

9.70

9.80





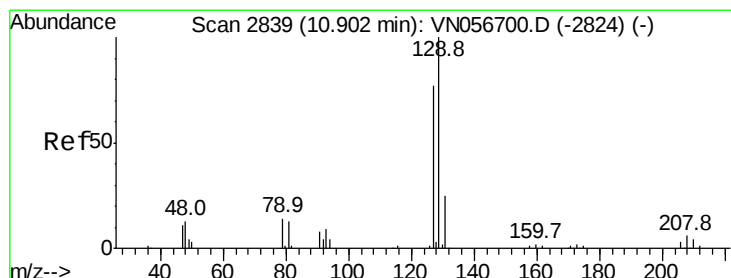
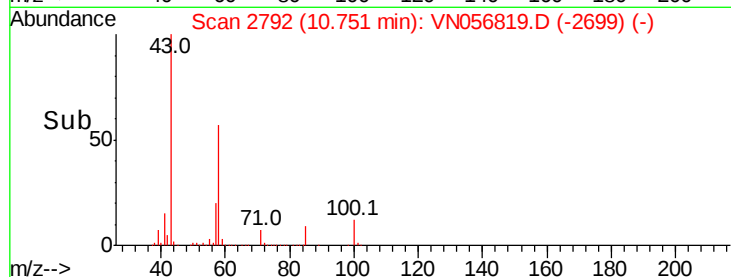
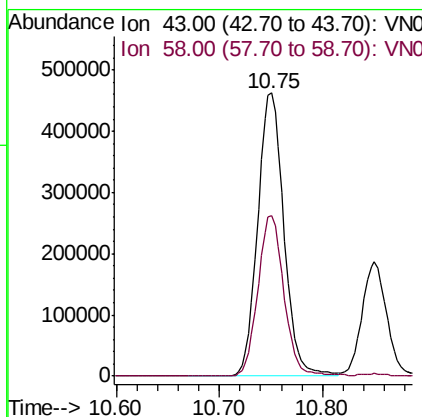
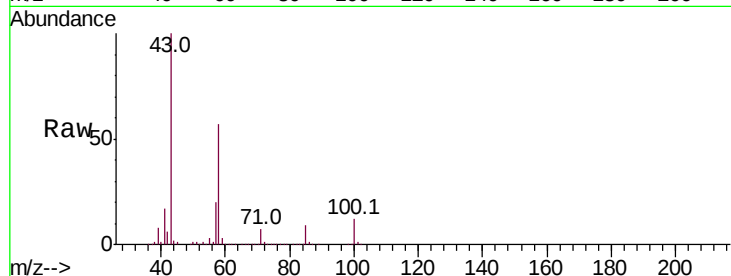
#59
2-Hexanone
Concen: 272.601 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 812791
Ion Ratio Lower Upper
43 100
58 56.6 27.9 83.6

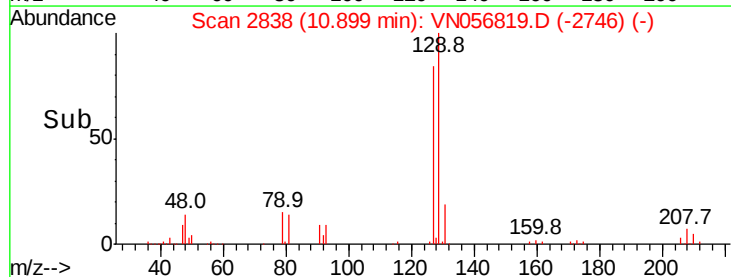
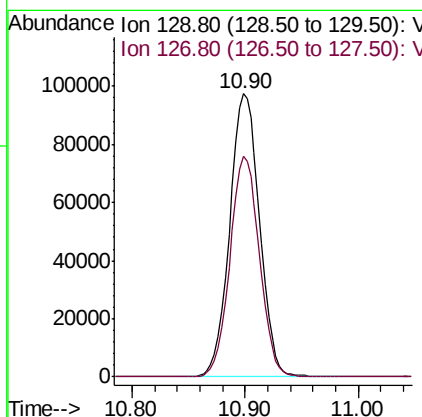
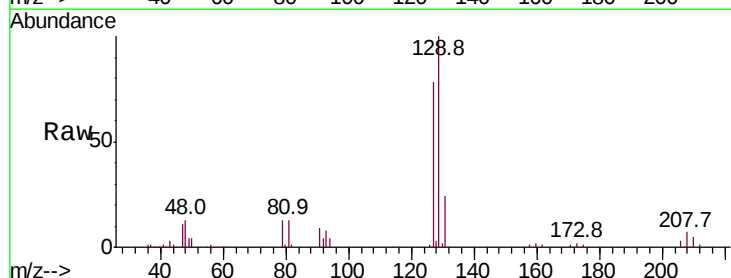
Manual Integrations
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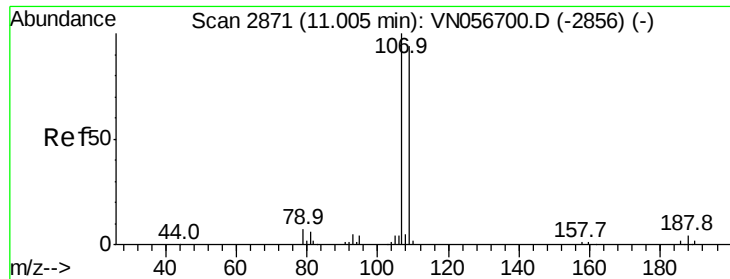
MMDadoda
7/23/2019 4:32:33 AM



#60
Dibromochloromethane
Concen: 57.390 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 129 Resp: 178370
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





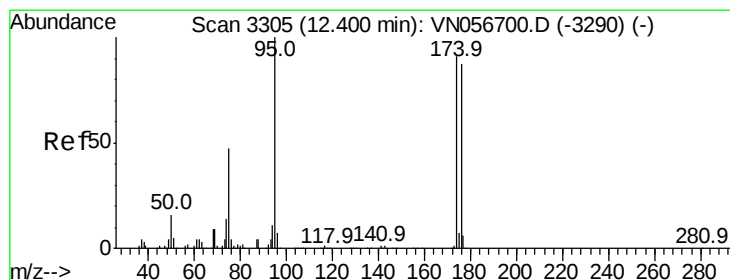
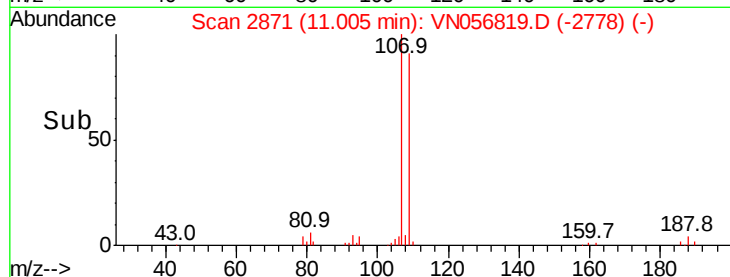
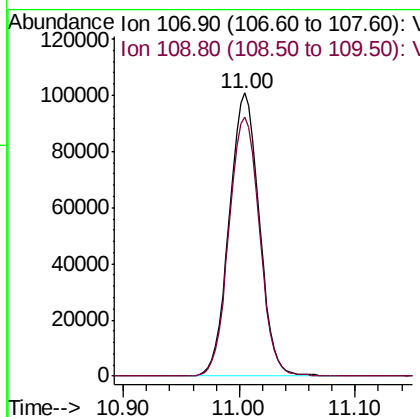
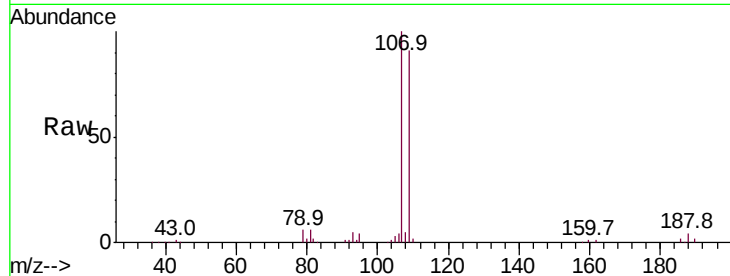
#61
 1,2-Dibromoethane
 Concen: 57.579 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.2	114.4

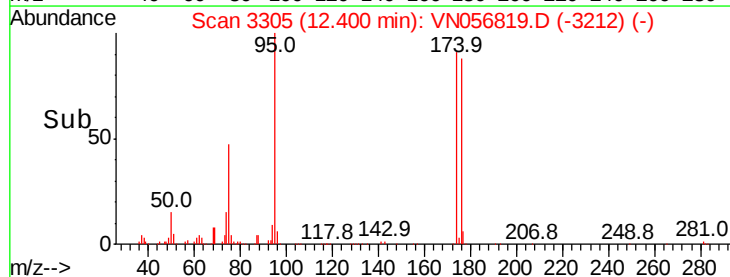
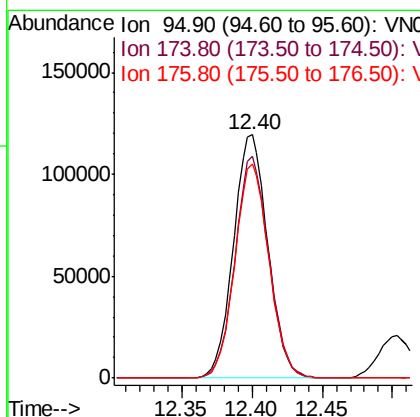
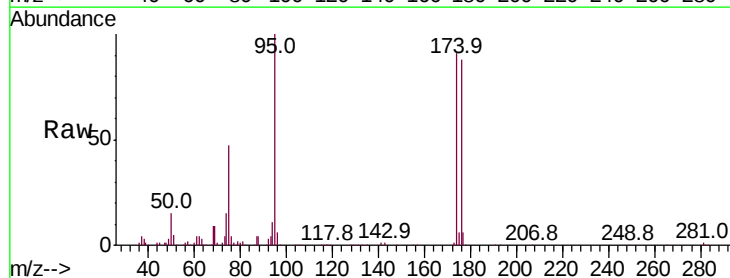
Manual Integrations
 APPROVED

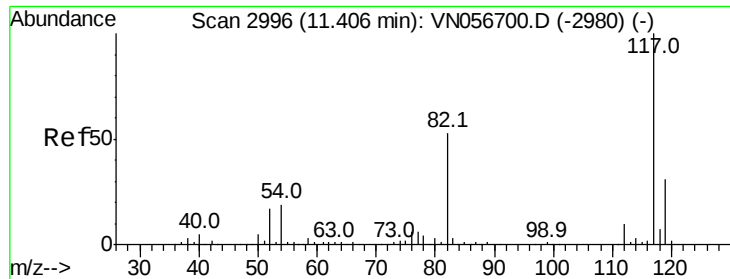
MMDadoda
 7/23/2019 4:32:33 AM



#62
 4-Bromofluorobenzene
 Concen: 56.209 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	180.0
176	87.3	0.0	173.2





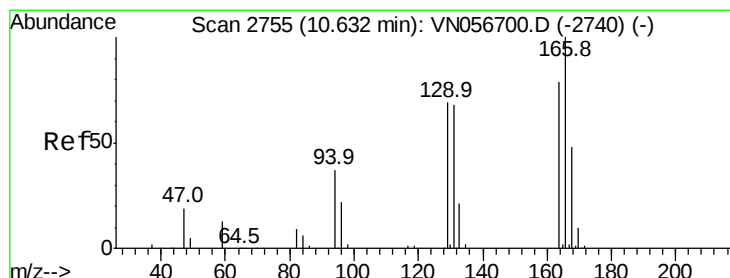
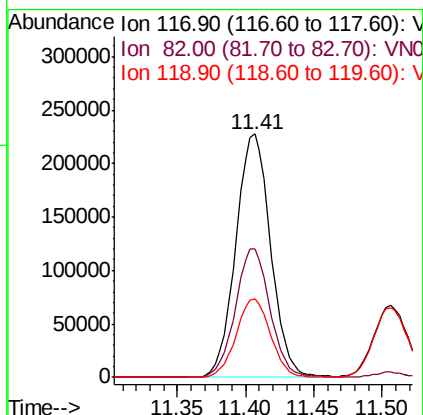
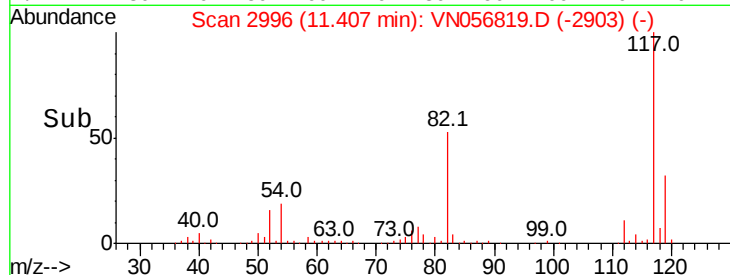
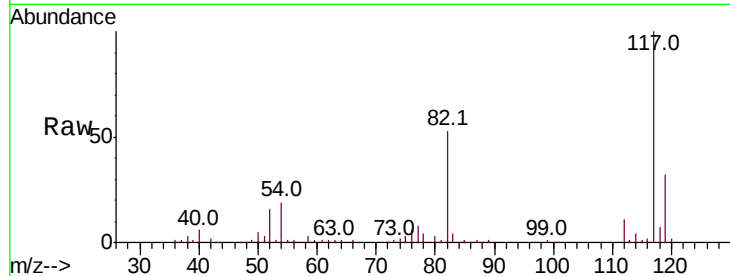
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.2
119	32.0	25.2	37.8

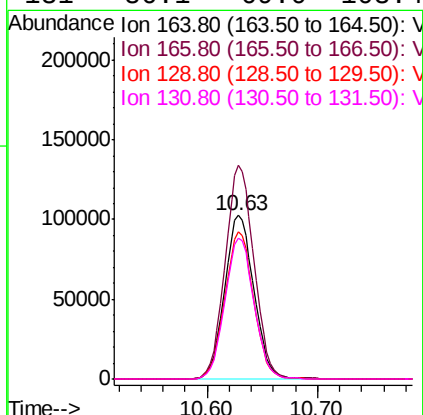
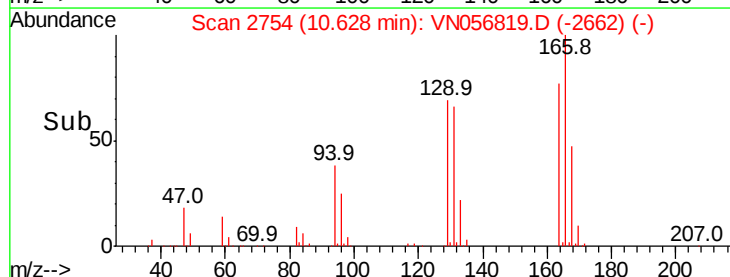
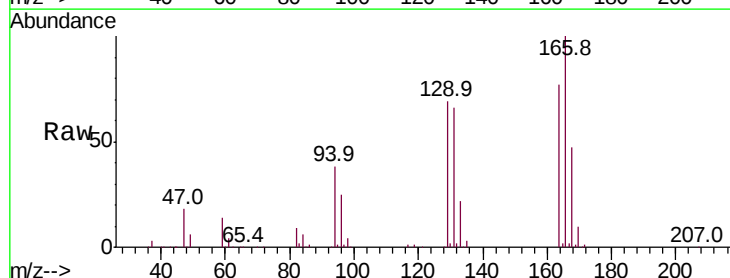
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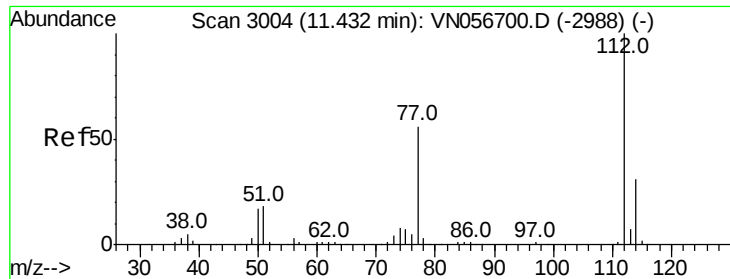
MMDadoda
7/23/2019 4:32:33 AM



#64
Tetrachloroethene
Concen: 54.105 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.4	152.2
129	89.9	69.6	104.4
131	86.1	69.0	103.4





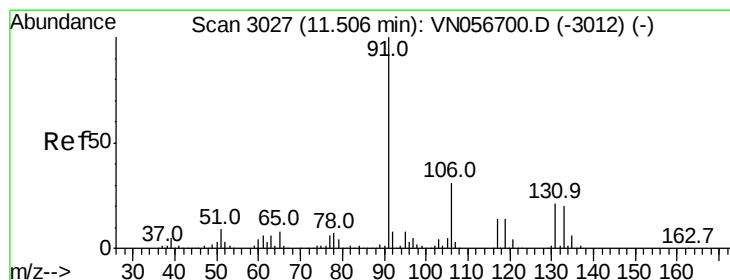
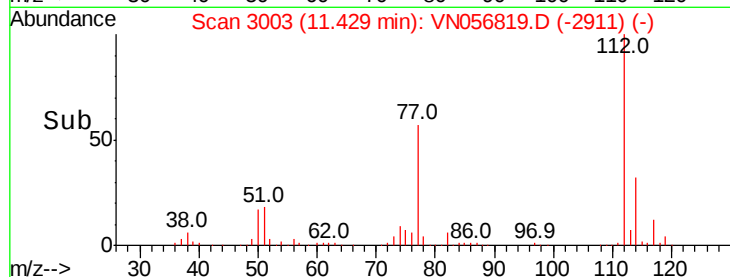
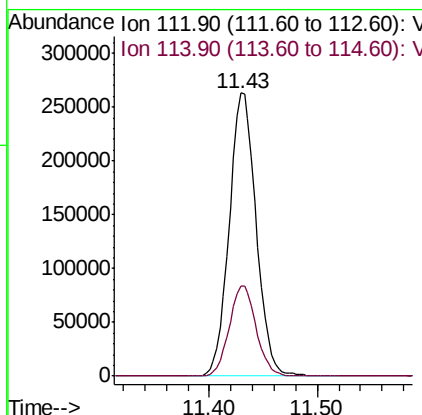
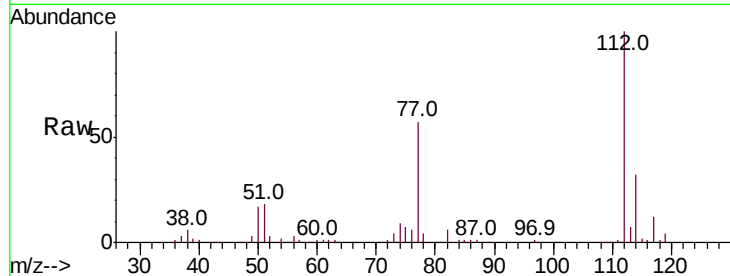
#65
Chlorobenzene
Concen: 55.163 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 455426
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8

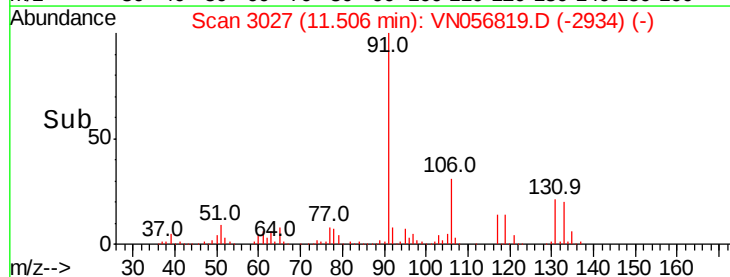
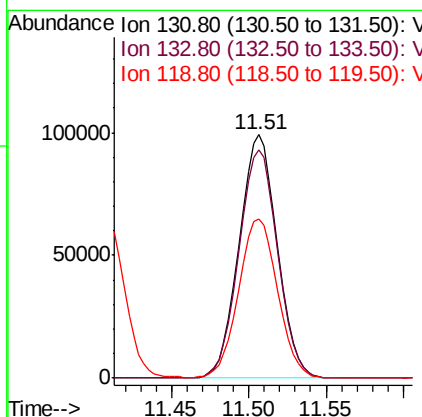
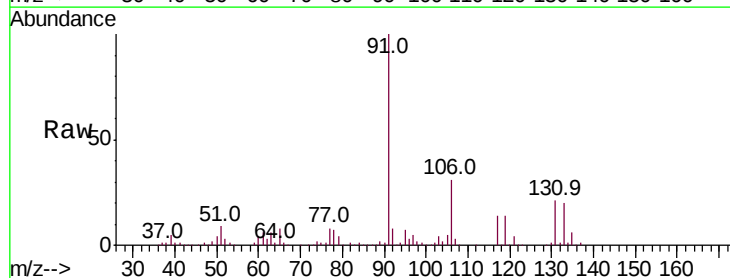
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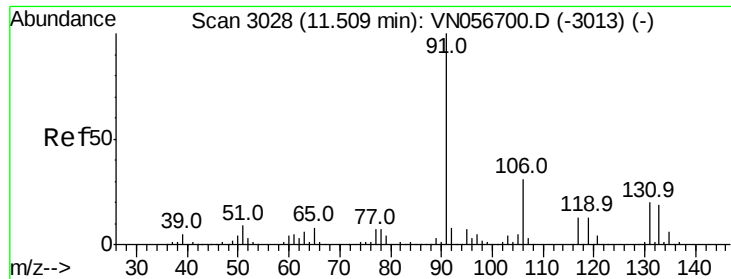
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.865 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion:131 Resp: 169816
Ion Ratio Lower Upper
131 100
133 95.6 46.9 140.7
119 67.2 32.8 98.3





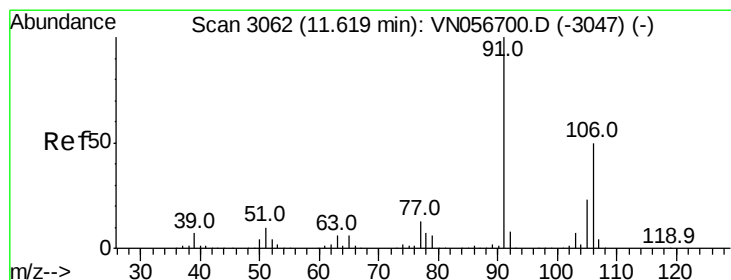
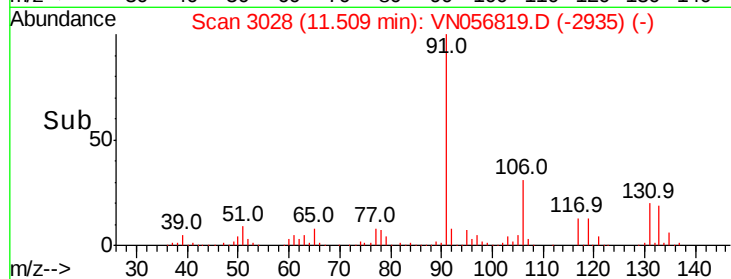
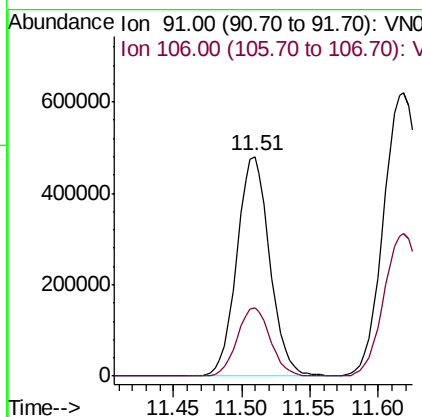
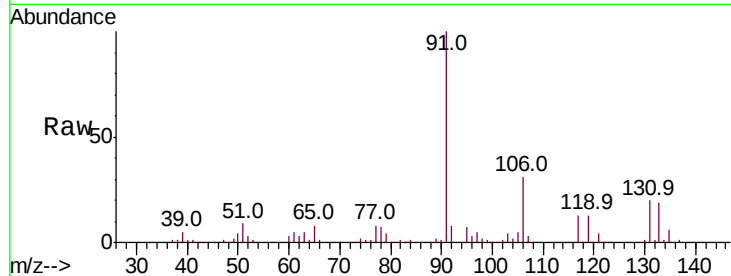
#67
Ethyl Benzene
Concen: 55.399 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 803791
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

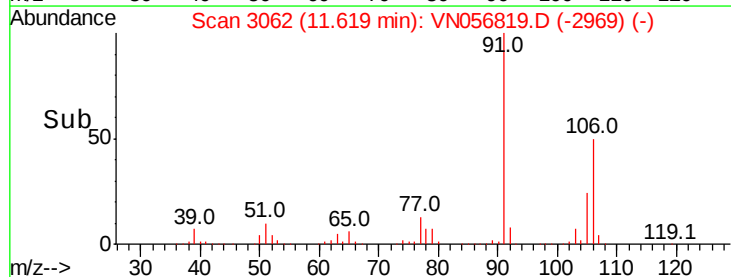
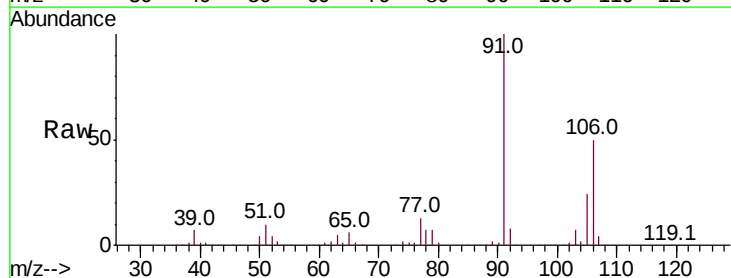
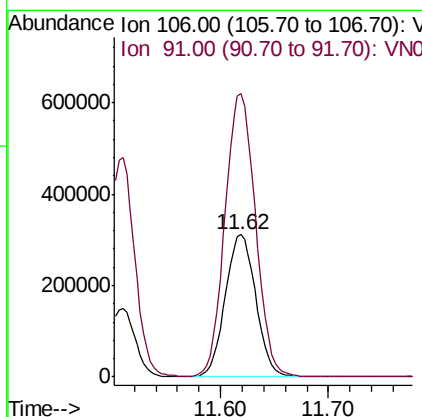
Manual Integrations
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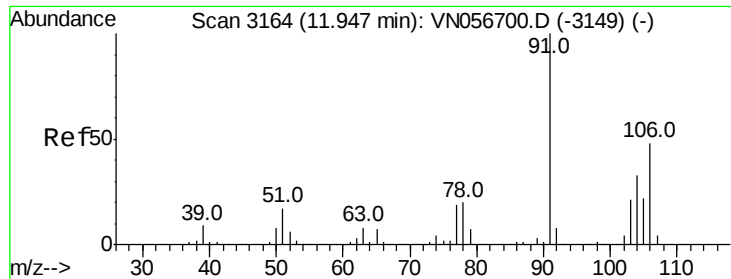
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#68
m/p-Xylenes
Concen: 113.295 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 106 Resp: 614336
Ion Ratio Lower Upper
106 100
91 199.1 160.5 240.7





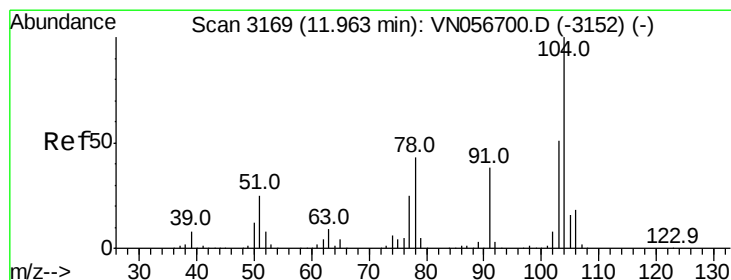
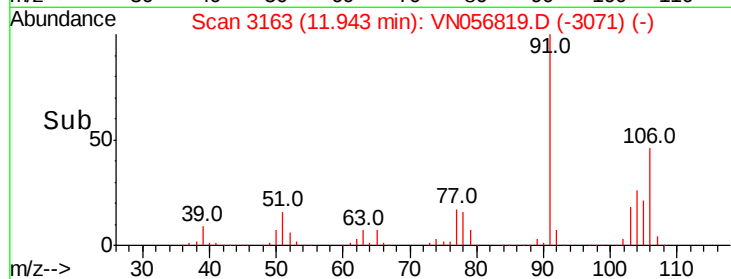
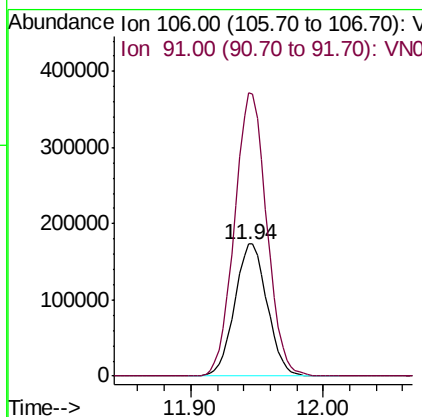
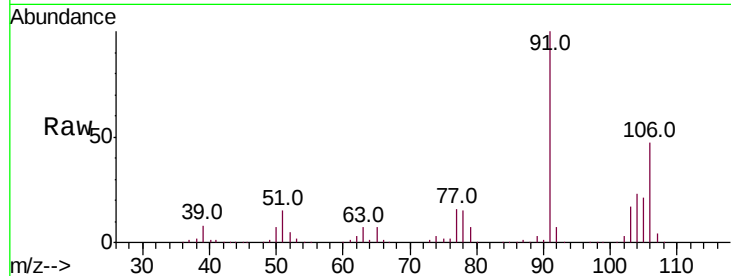
#69
o-Xylene
Concen: 55.412 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 295396
Ion Ratio Lower Upper
106 100
91 212.4 105.6 316.8

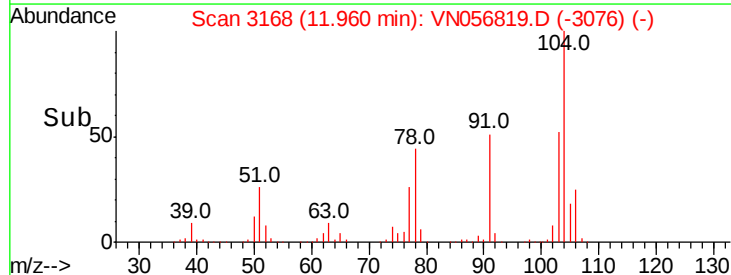
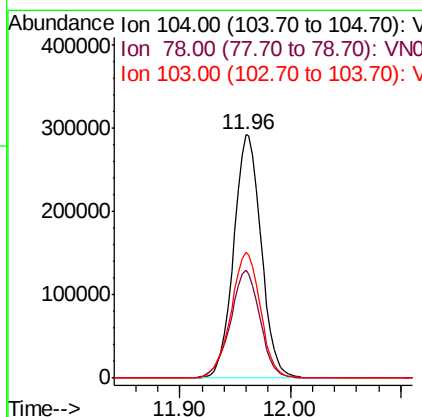
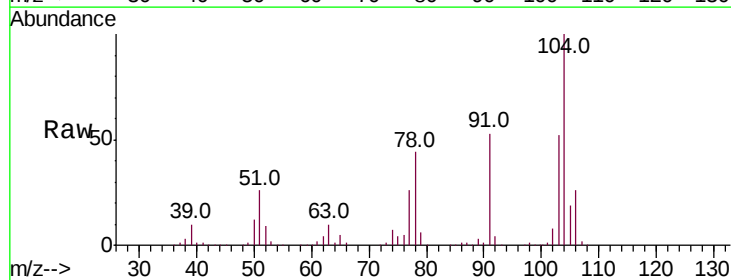
Manual Integrations
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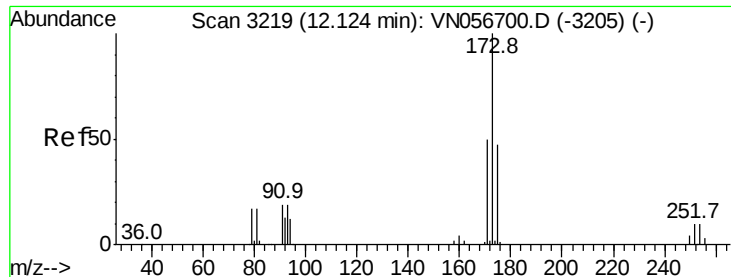
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#70
Styrene
Concen: 58.568 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion:104 Resp: 504766
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 55.4 44.2 66.4





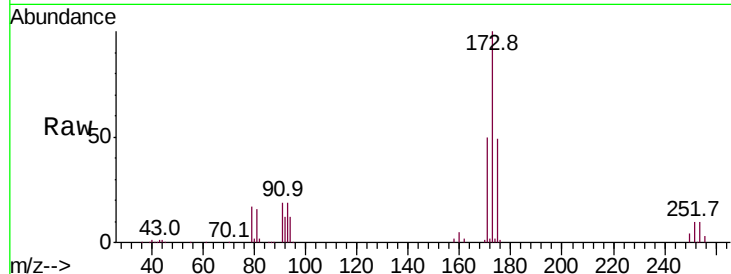
#71
Bromoform
Concen: 57.446 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.4
254	0.0	0.0	0.0#

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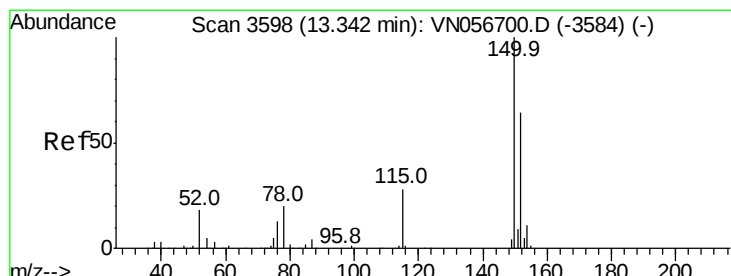
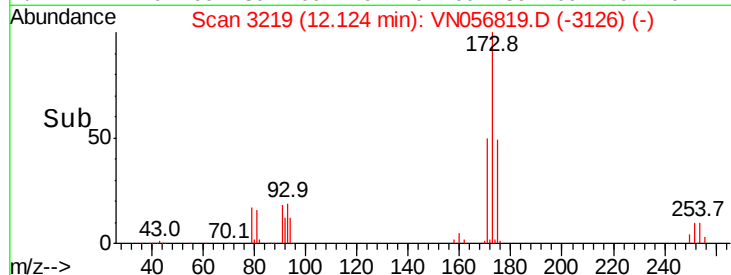
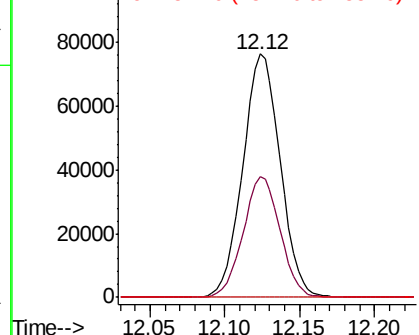


Abundance

Ion 172.70 (172.40 to 173.40): V

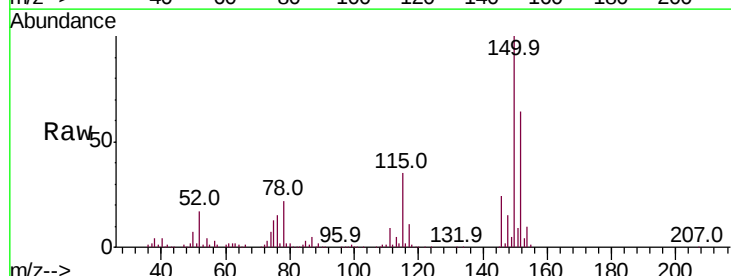
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.2	84.7
150	172.7	0.0	345.8

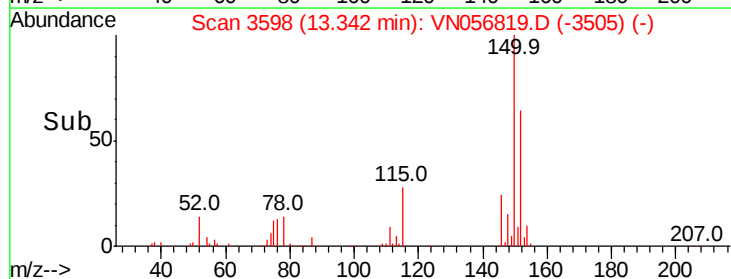
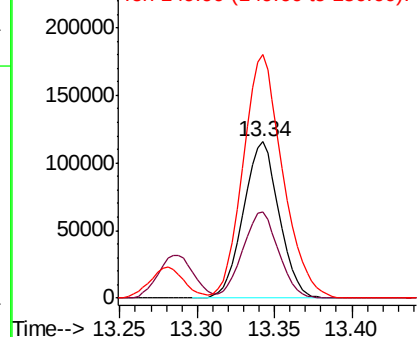


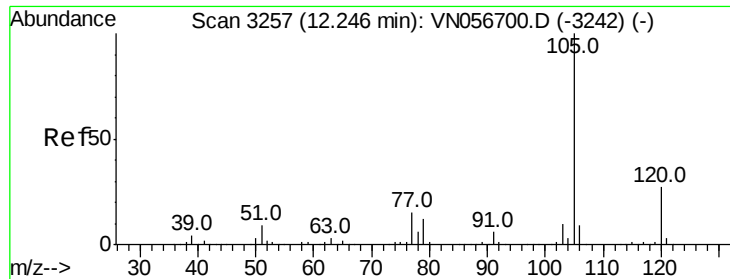
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.261 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 782214

Ion Ratio Lower Upper

105 100

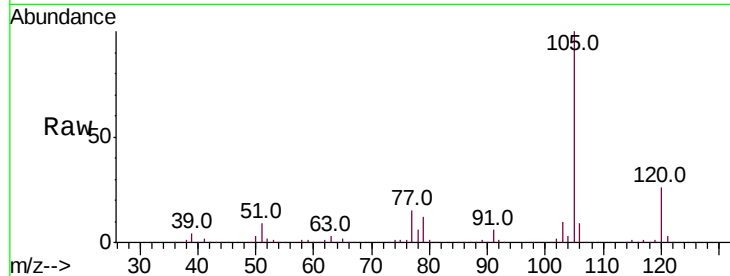
120 26.6 13.4 40.2

Manual Integrations

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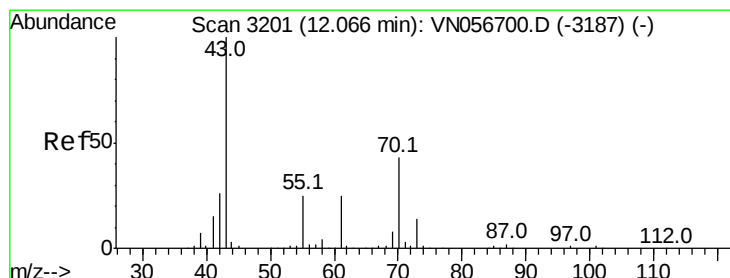
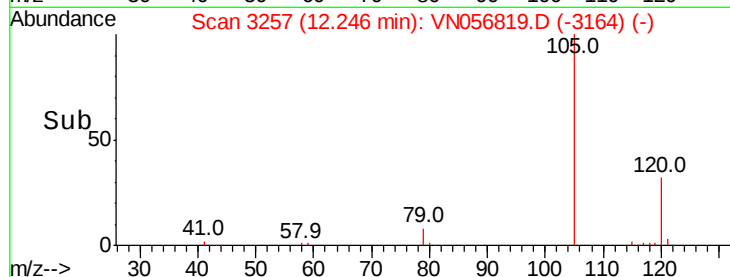
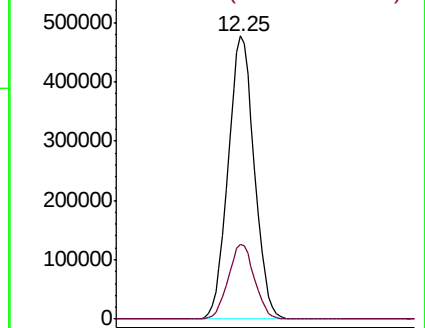
MMDadoda

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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: 51.059 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion: 43 Resp: 284613

Ion Ratio Lower Upper

43 100

70 43.8 34.5 51.7

55 25.9 20.2 30.2

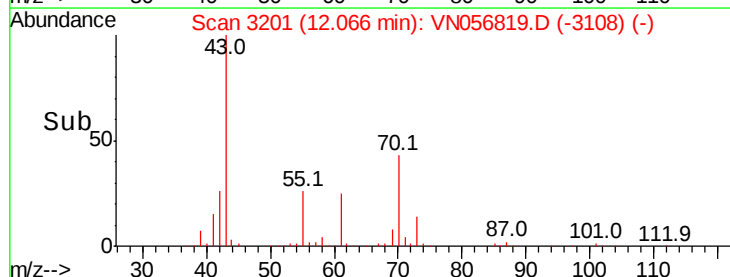
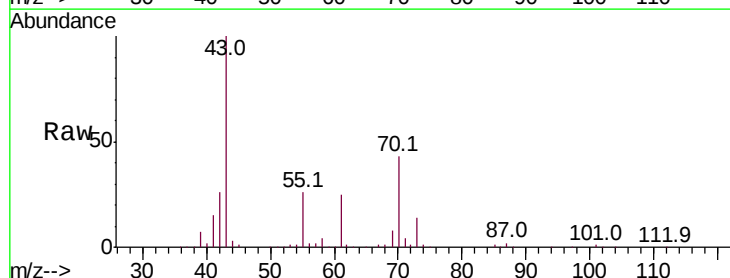
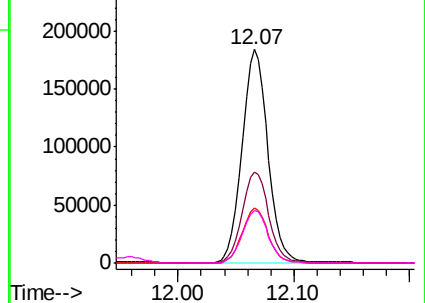
61 24.9 19.9 29.9

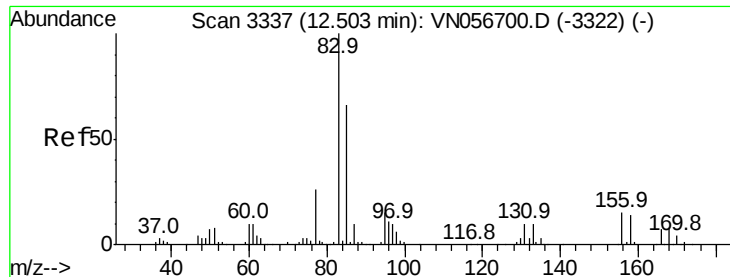
Abundance Ion 43.00 (42.70 to 43.70): V

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: 55.798 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

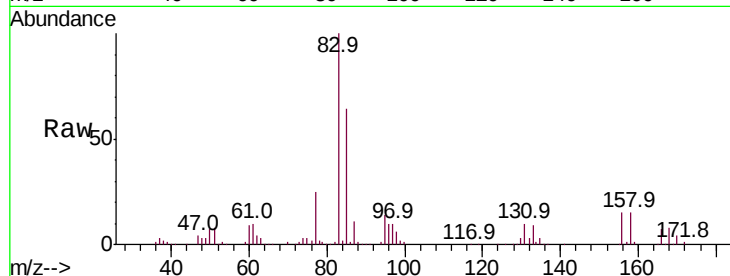
ClientSampleId :

VSTDCCC050

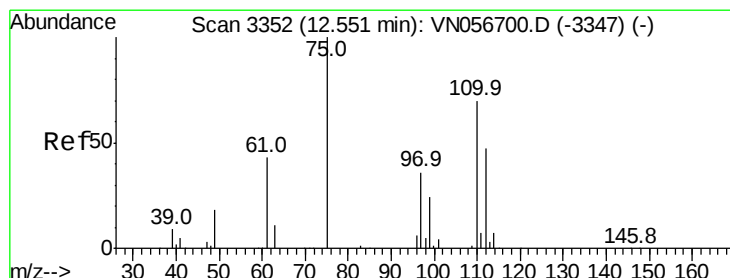
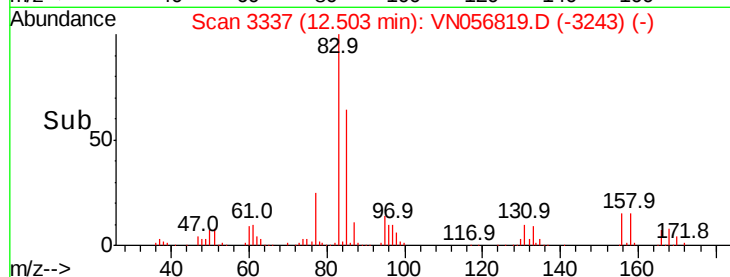
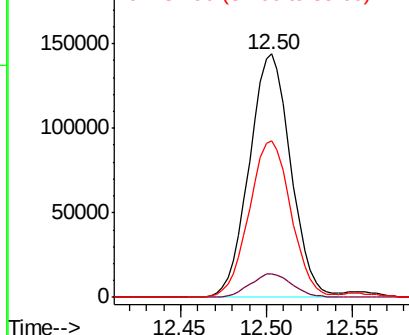
Tot Ion:	83	Resp:	240860
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.9	32.6	97.8

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: 51.364 ug/l m

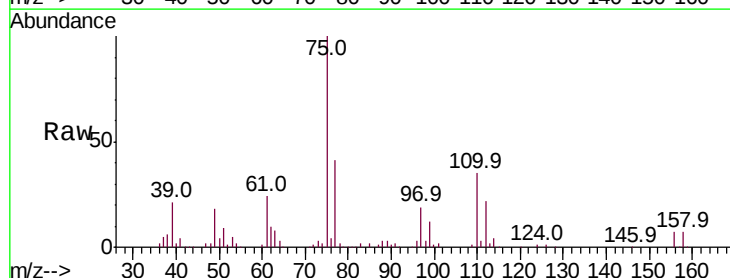
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

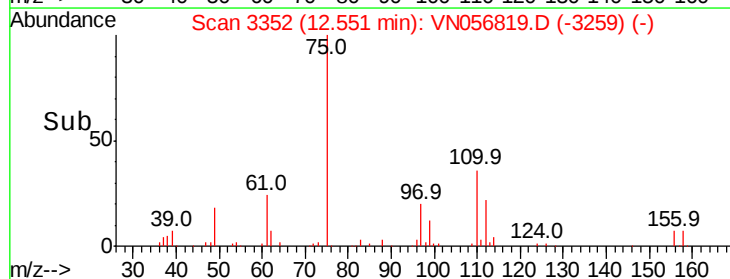
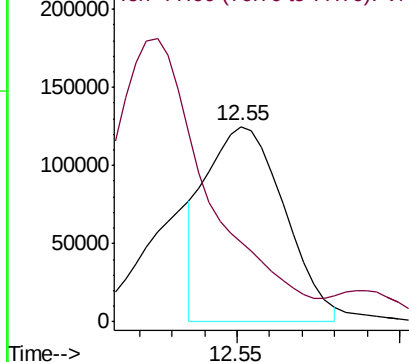
Lab File: VN056819.D

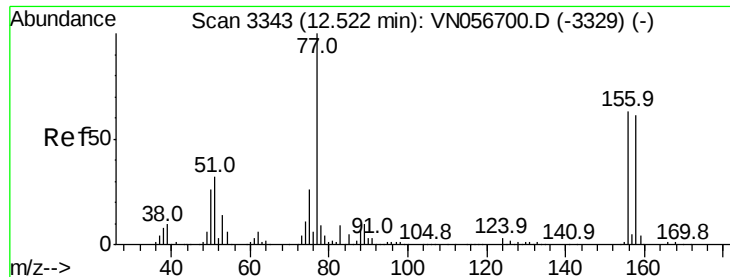
Acq: 19 Jul 2019 10:07

Tgt Ion:	75	Resp:	208539
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: 52.943 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

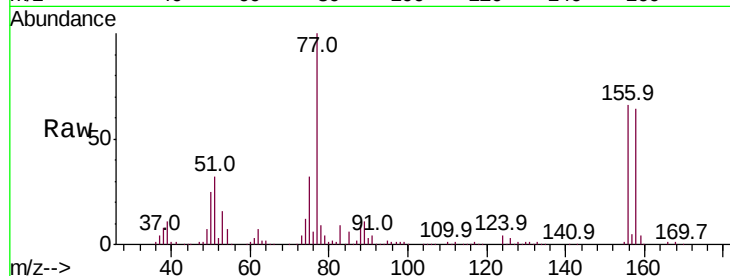
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	207265
Ion Ratio	Lower	Upper	
156	100		
77	185.2	97.2	291.6
158	97.3	48.9	146.8

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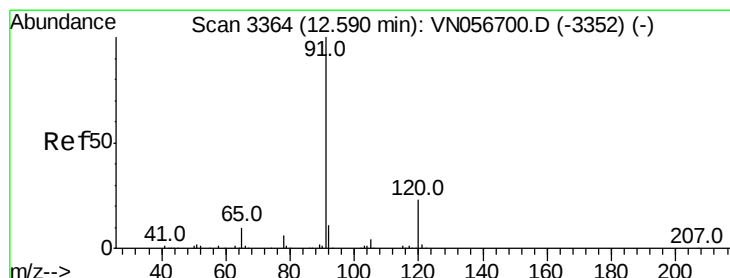
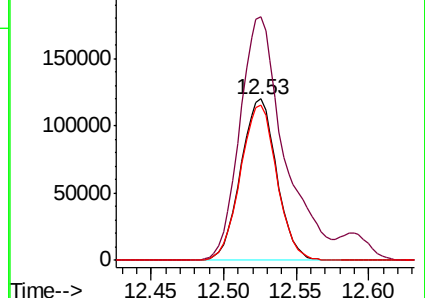
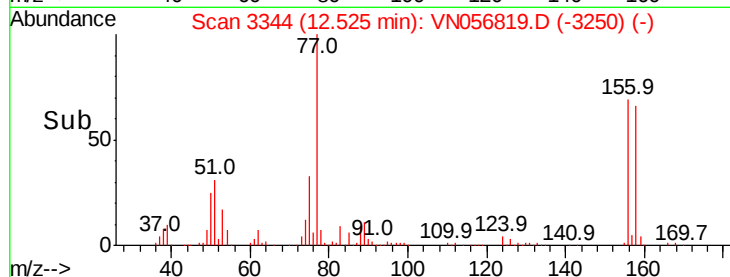
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.248 ug/l

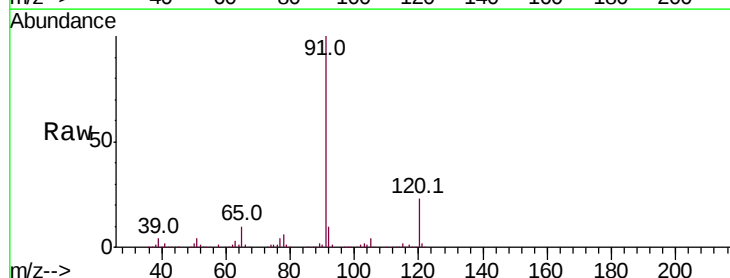
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056819.D

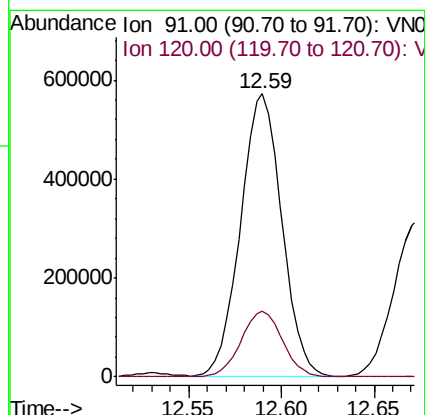
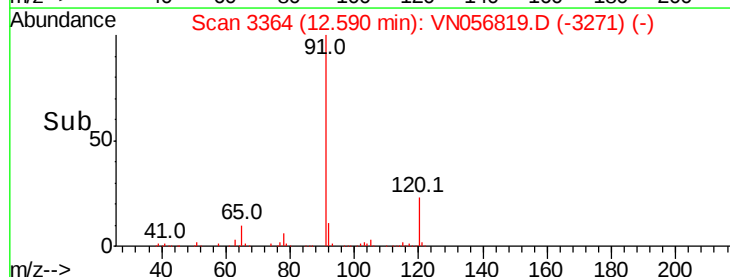
Acq: 19 Jul 2019 10:07

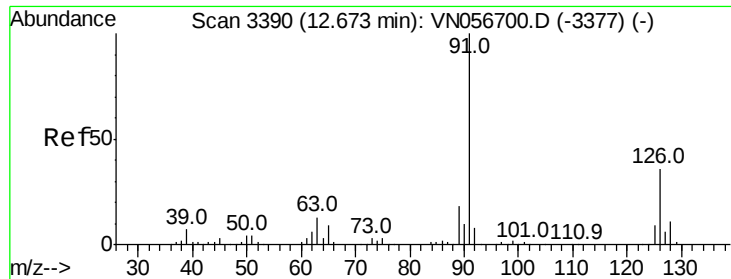
Tgt Ion:	91	Resp:	884799
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





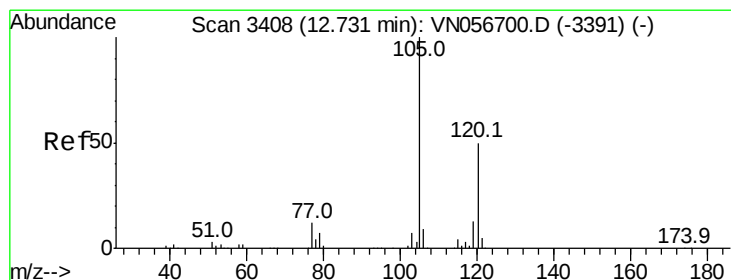
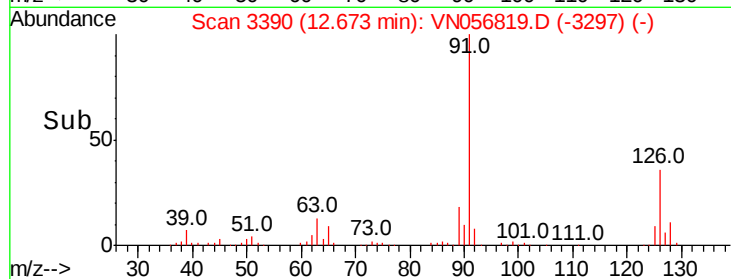
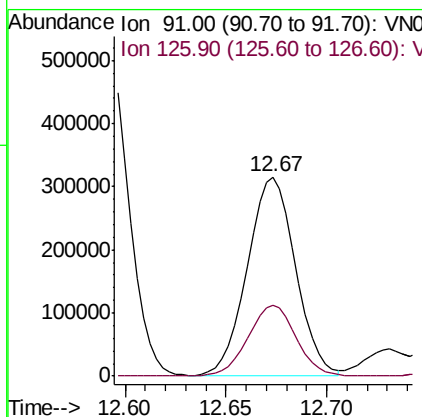
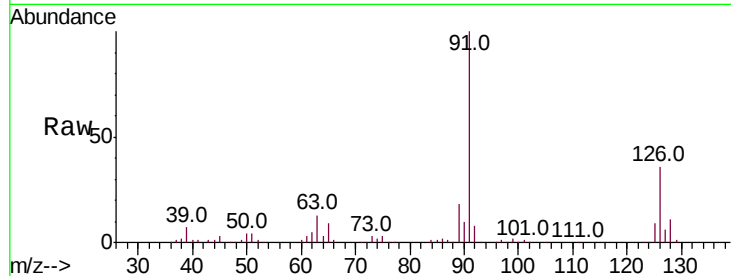
#79
 2-Chlorotoluene
 Concen: 57.371 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 524577
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

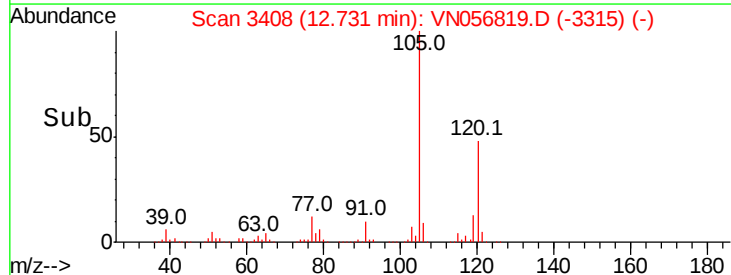
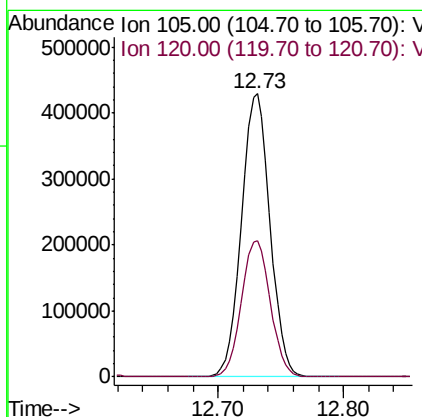
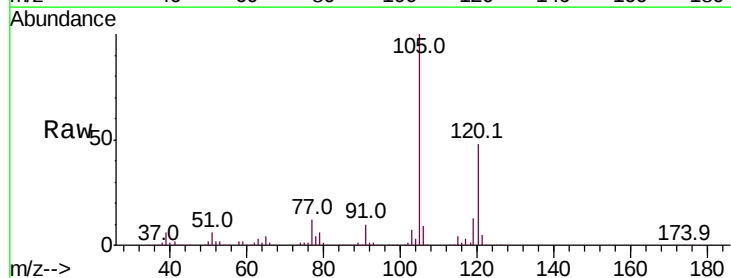
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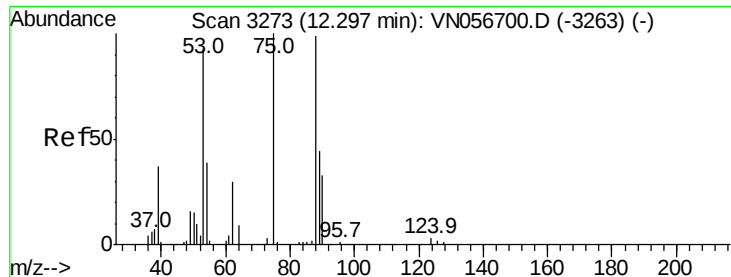
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.127 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 105 Resp: 673945
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.797 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 70723

Ion Ratio Lower Upper

75 100

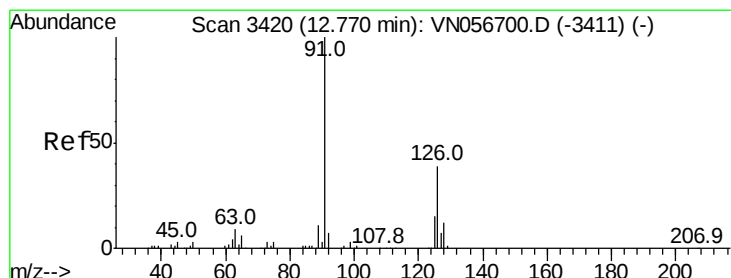
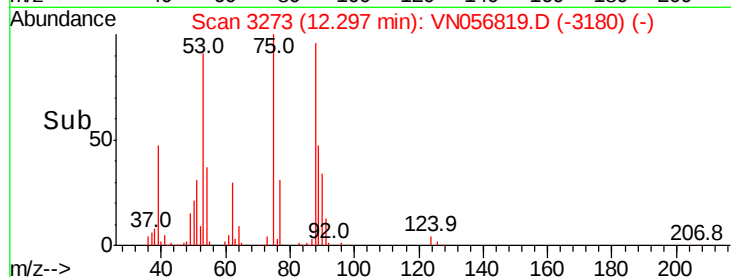
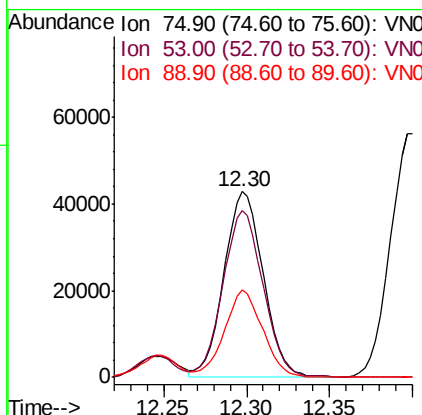
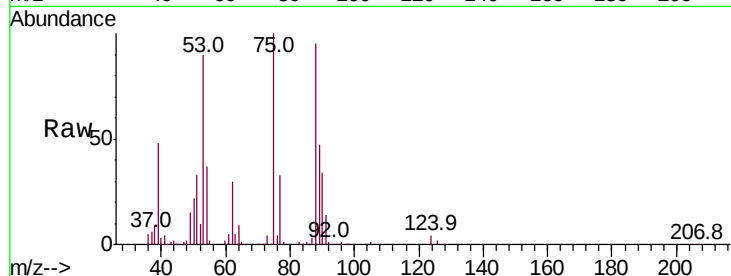
53 92.0 73.7 110.5

89 45.5 36.2 54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.407 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056819.D

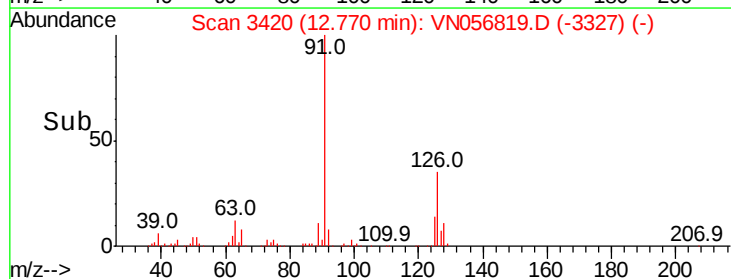
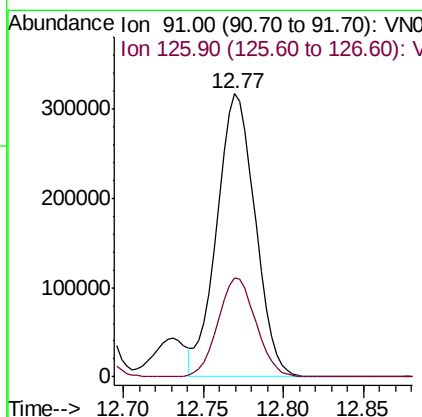
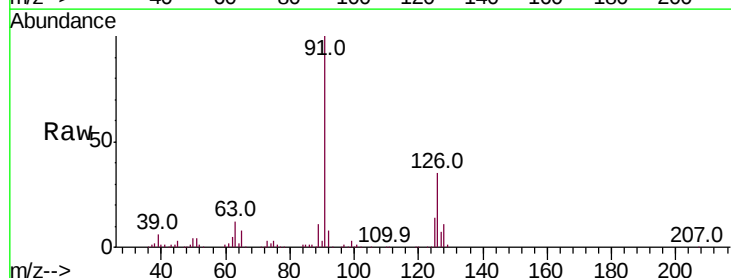
Acq: 19 Jul 2019 10:07

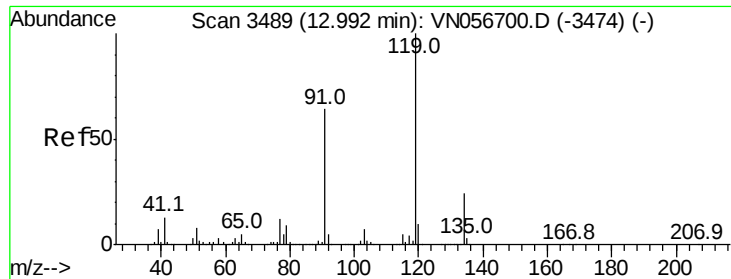
Tgt Ion: 91 Resp: 520796

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.8





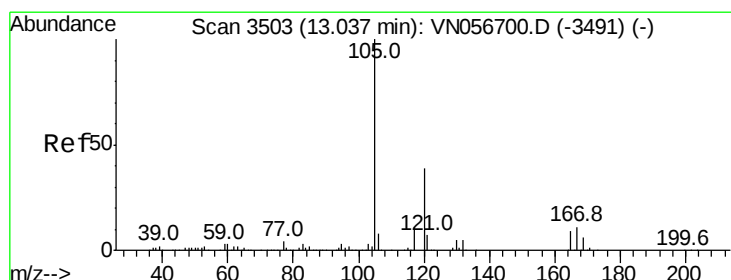
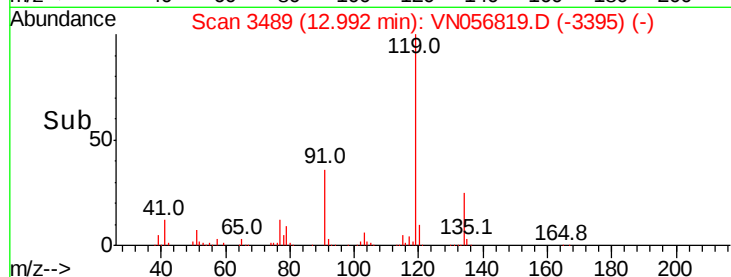
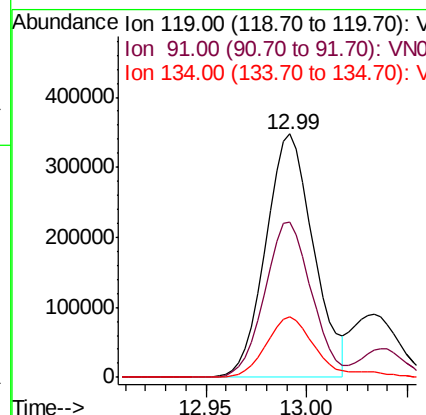
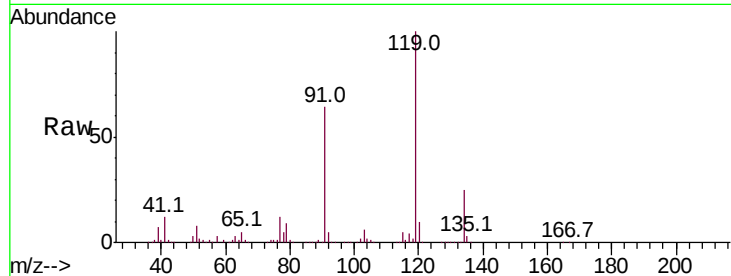
#83
tert-Butylbenzene
Concen: 58.014 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.8	95.4
134	24.9	13.0	38.9

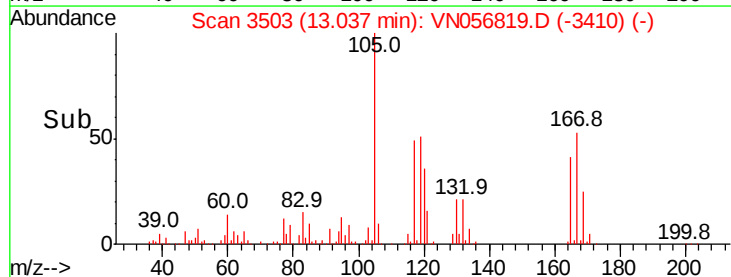
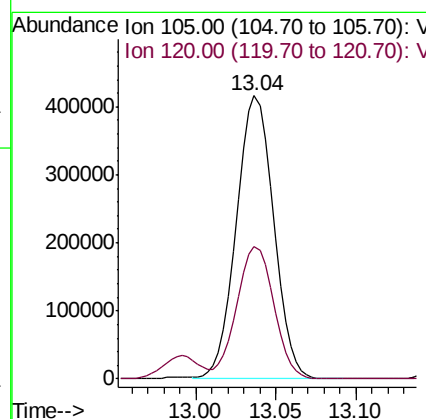
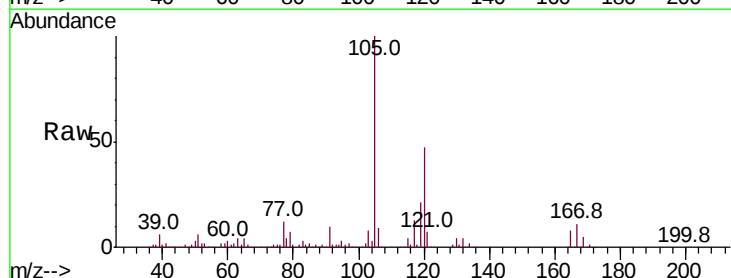
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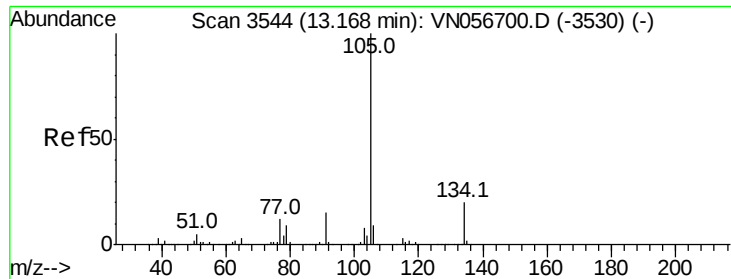
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.257 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 53.502 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 754155

Ion Ratio Lower Upper

105 100

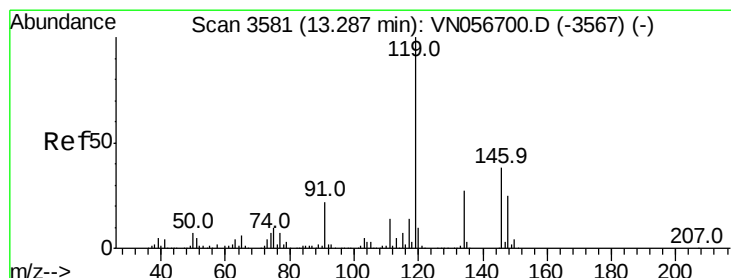
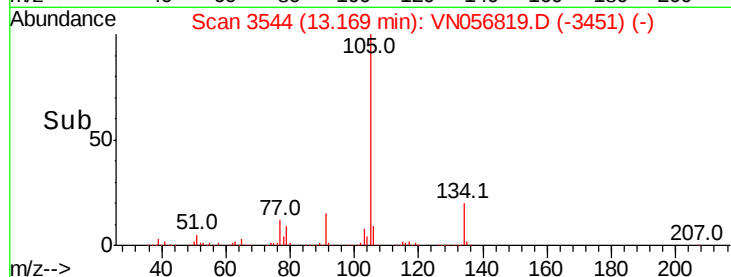
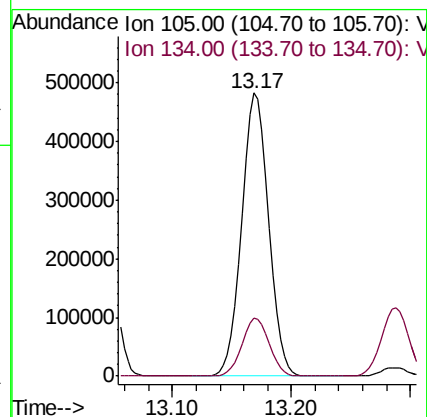
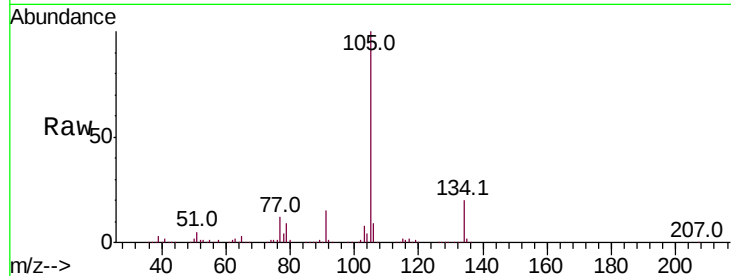
134 20.6 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.311 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

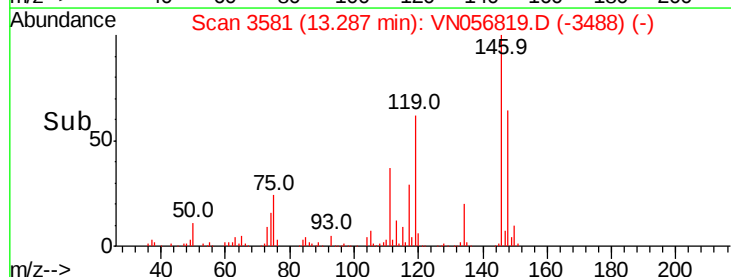
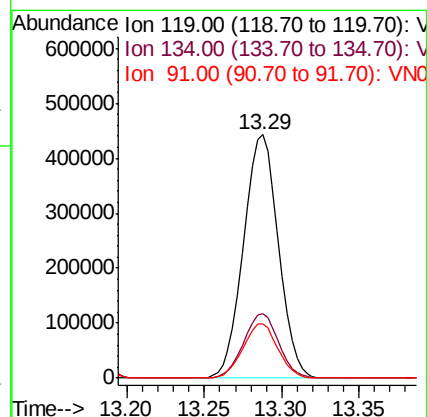
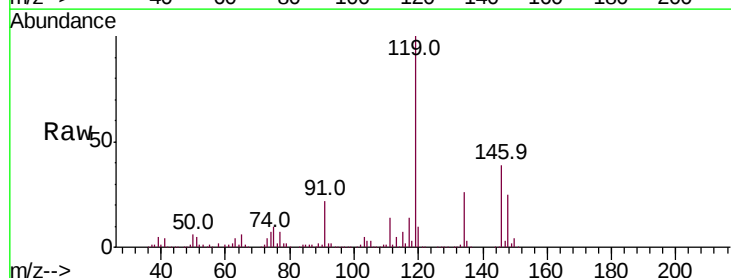
Tgt Ion:119 Resp: 693525

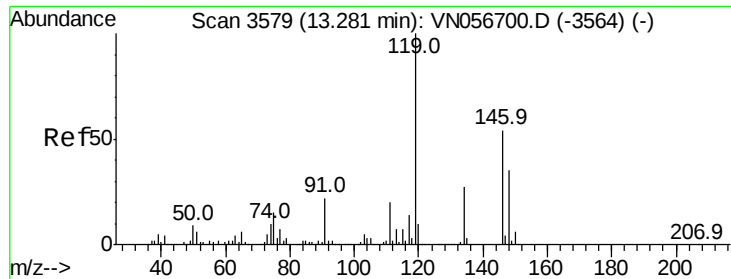
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 22.3 11.2 33.5





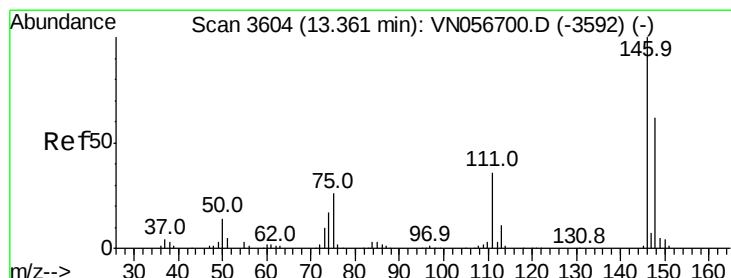
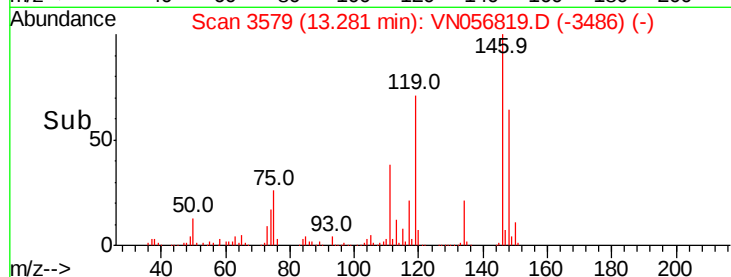
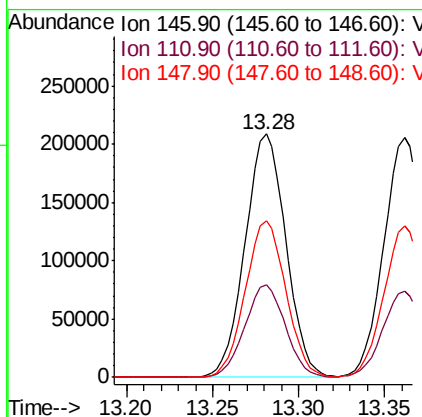
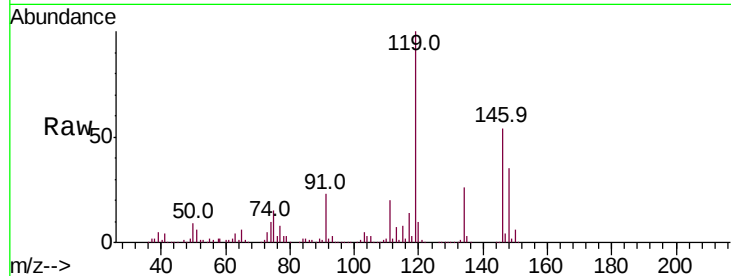
#87
 1,3-Dichlorobenzene
 Concen: 53.691 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.9	32.3	96.8

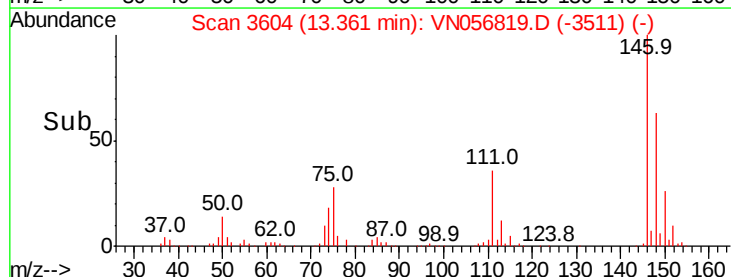
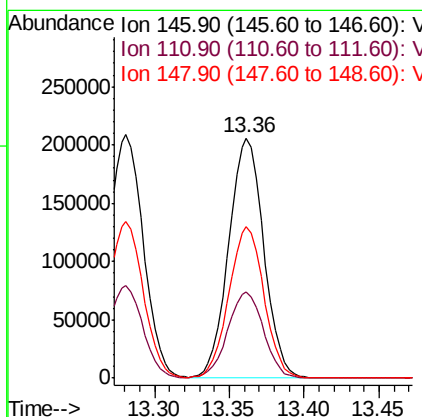
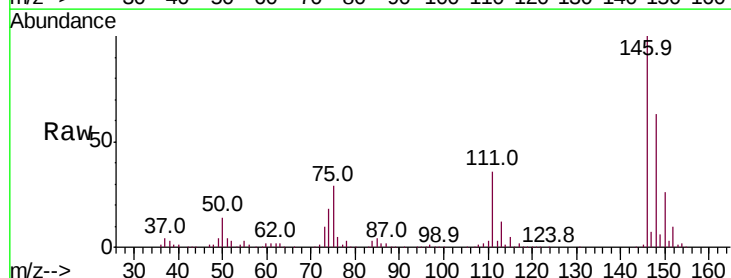
Manual Integrations
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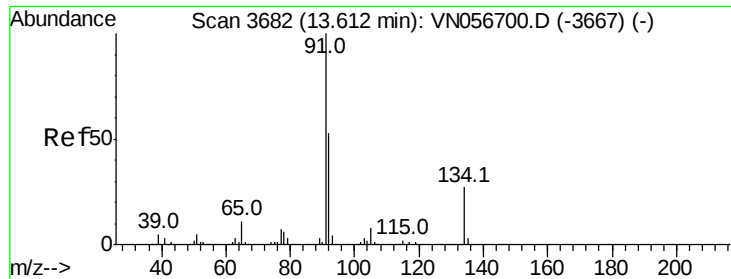
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 7/23/2019 4:32:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.623 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	63.4	31.9	95.7





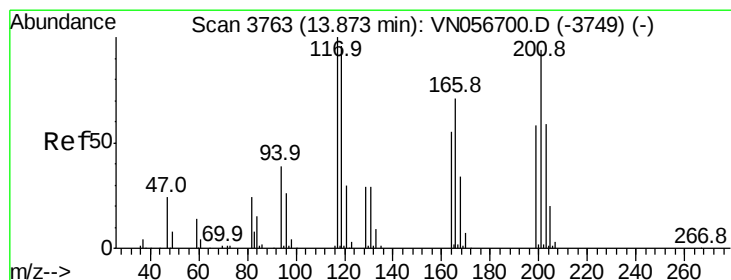
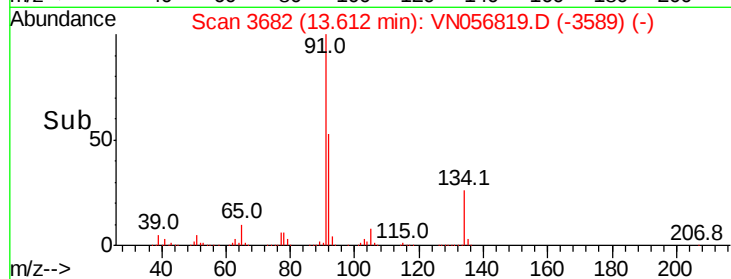
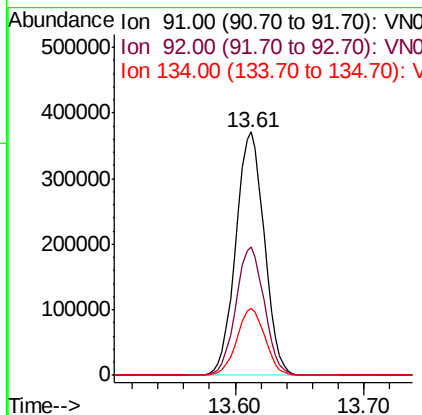
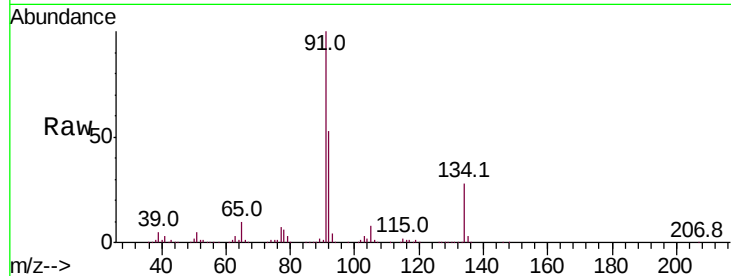
#89
n-Butylbenzene
Concen: 55.445 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	27.1	13.4	40.2

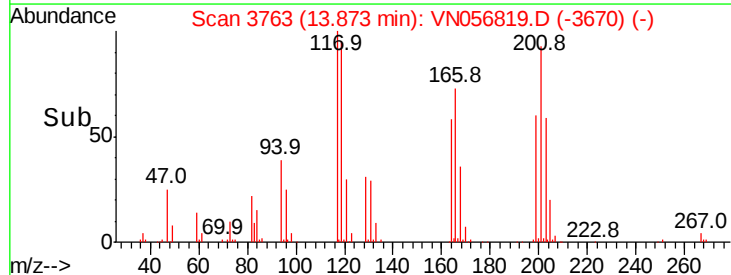
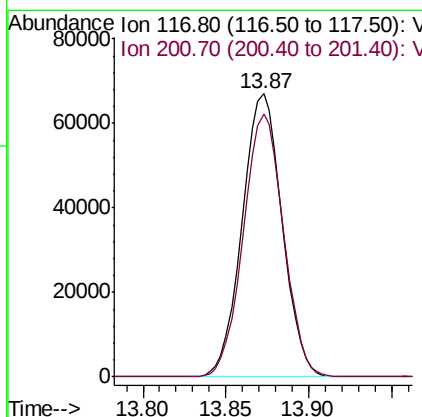
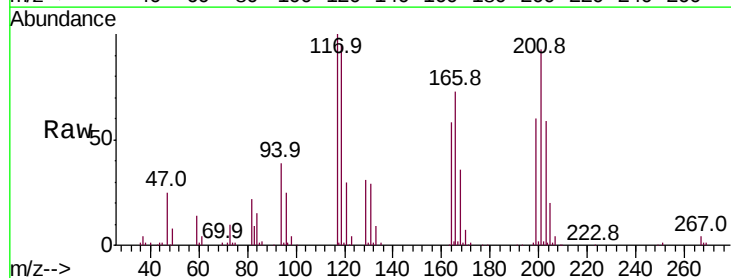
Manual Integrations
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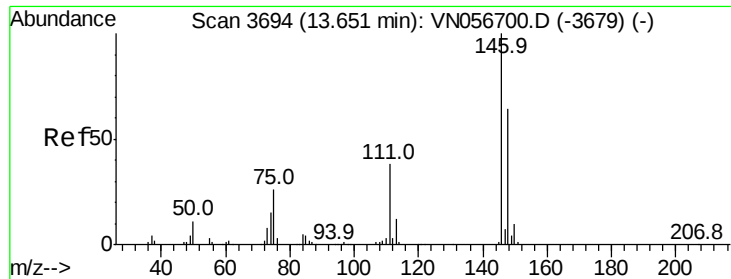
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#90
Hexachloroethane
Concen: 54.313 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	46.5	139.5





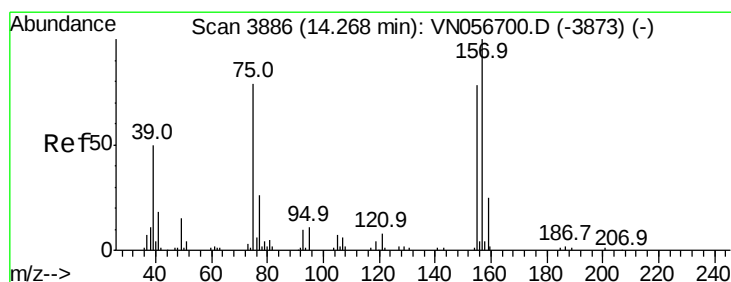
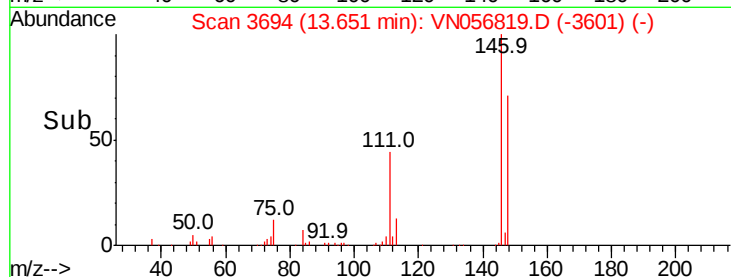
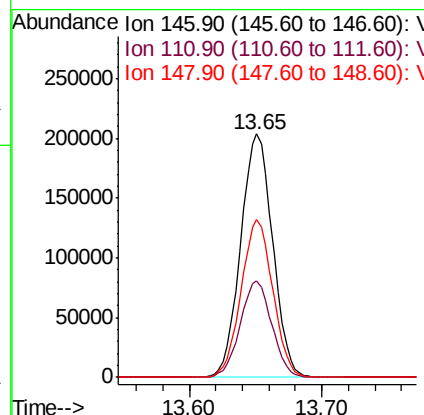
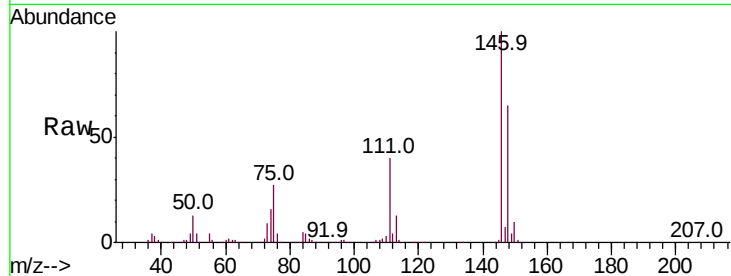
#91
 1,2-Dichlorobenzene
 Concen: 51.863 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.2	19.1	57.1	
148	64.2	31.7	95.1	

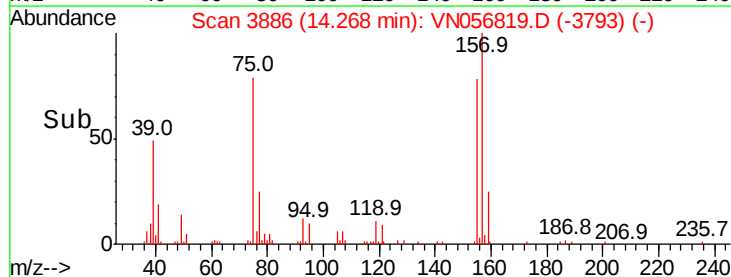
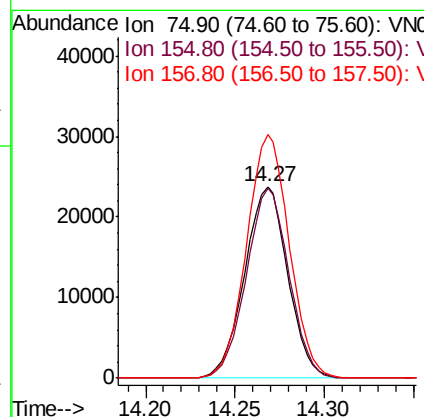
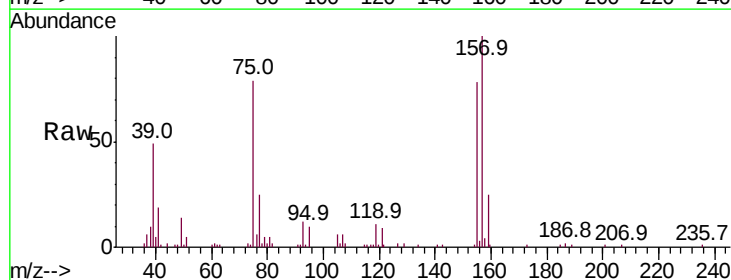
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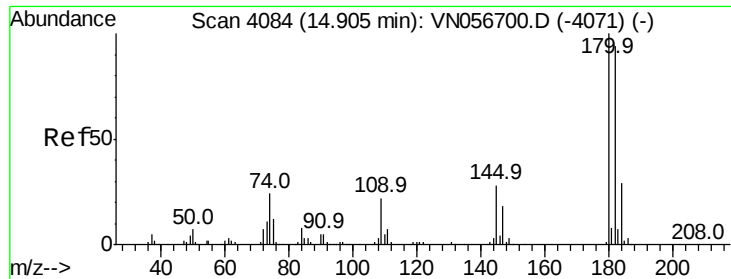
MMDadoda
 7/23/2019 4:32:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.115 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	97.8	49.3	147.9	
157	126.1	62.4	187.1	





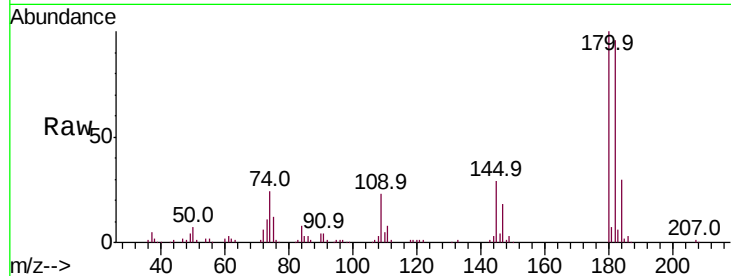
#93
 1,2,4-Trichlorobenzene
 Concen: 47.484 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

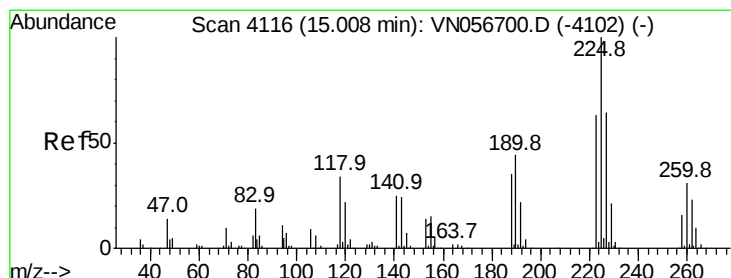
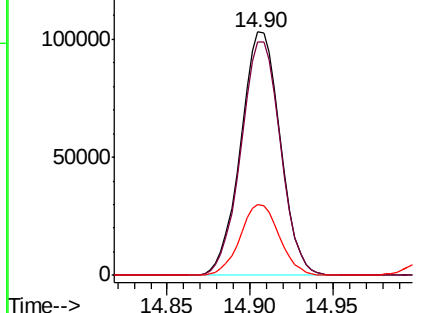
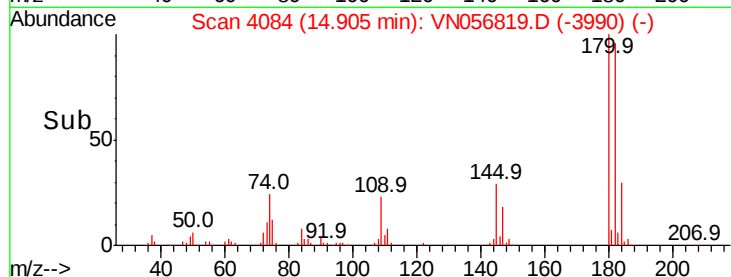
Tot Ion	Ratio	Resp	Lower	Upper
180	100	171405		
182	95.9	47.2	141.6	
145	29.0	14.2	42.8	

Manual Integrations
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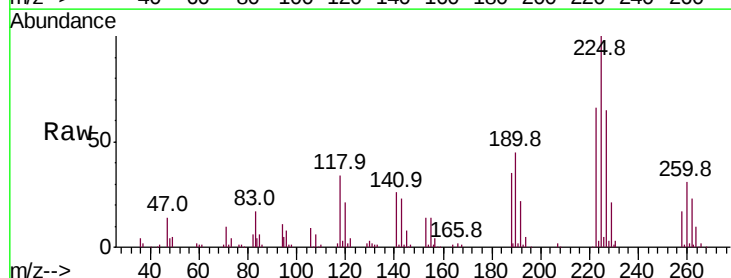


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

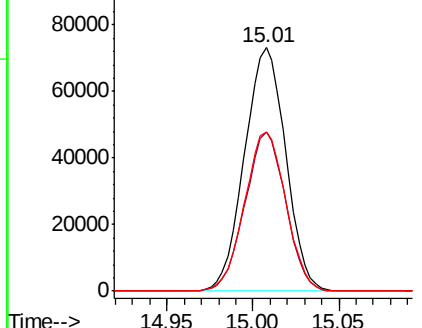
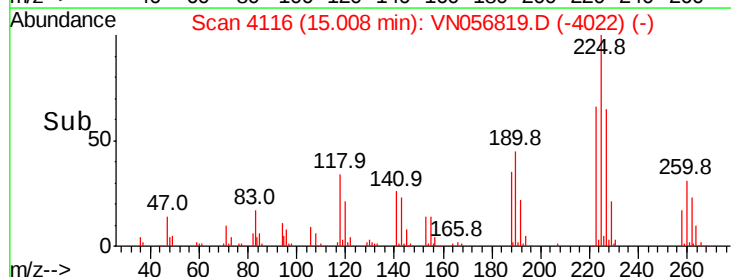


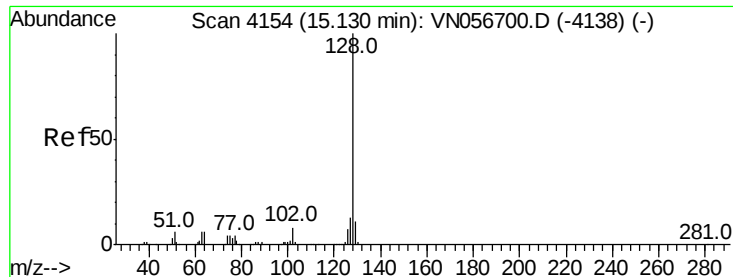
#94
 Hexachlorobutadiene
 Concen: 59.376 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121910		
223	64.5	31.5	94.5	
227	65.3	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: 43.406 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

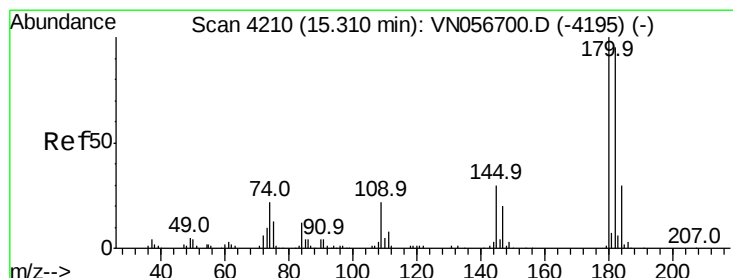
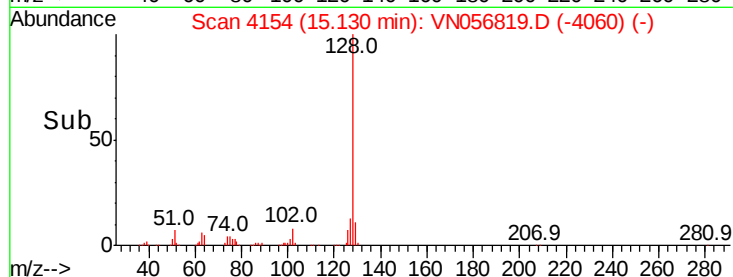
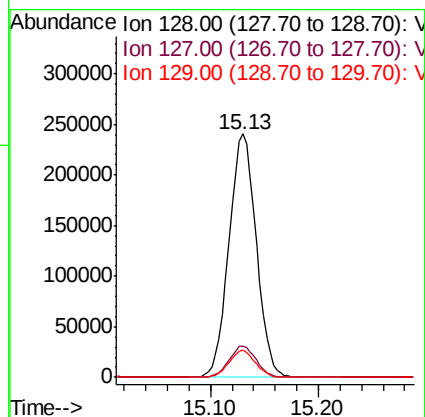
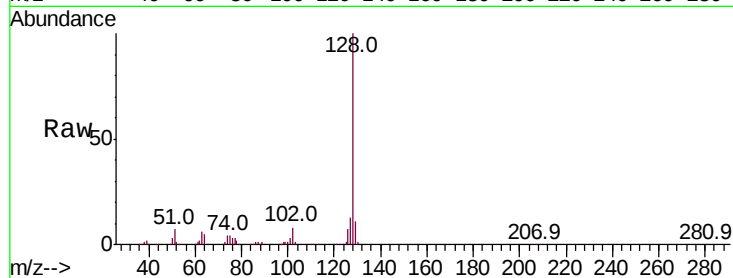
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	425168
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 48.671 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion:	180	Resp:	174837
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	29.9	15.0	45.1

