

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056724.D
 Acq On : 15 Jul 2019 19:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:43 AM

Quant Time: Jul 16 05:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	344755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	526010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224936	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	185388	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	163595	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
50) Toluene-d8	10.09	98	634579	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	221434	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	149156	46.075	ug/l	100
3) Chloromethane	2.06	50	198424	45.591	ug/l	100
4) Vinyl Chloride	2.18	62	199687	47.645	ug/l	100
5) Bromomethane	2.56	94	121989	49.495	ug/l	98
6) Chloroethane	2.70	64	113697	46.553	ug/l	99
7) Trichlorofluoromethane	3.01	101	251884	46.837	ug/l	98
8) Diethyl Ether	3.41	74	104805	49.985	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	155120	48.009	ug/l	100
10) Methyl Iodide	3.95	142	209743	48.533	ug/l	99
11) Tert butyl alcohol	4.79	59	147500	232.375	ug/l	99
12) 1,1-Dichloroethene	3.73	96	156602	48.320	ug/l	99
13) Acrolein	3.61	56	55837	257.229	ug/l	99
14) Allyl chloride	4.32	41	270993	48.351	ug/l	100
15) Acrylonitrile	4.99	53	453426	247.359	ug/l	100
16) Acetone	3.82	43	348318	198.208	ug/l	100
17) Carbon Disulfide	4.05	76	413975	48.337	ug/l	99
18) Methyl Acetate	4.33	43	188248	47.650	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	503748	48.783	ug/l	98
20) Methylene Chloride	4.55	84	182992	47.650	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	169564	49.496	ug/l	94
22) Diisopropyl ether	5.95	45	548559	49.585	ug/l	98
23) Vinyl Acetate	5.90	43	2307601	257.407	ug/l	100
24) 1,1-Dichloroethane	5.85	63	311867	48.623	ug/l	100
25) 2-Butanone	6.84	43	593822	231.127	ug/l	99
26) 2,2-Dichloropropane	6.82	77	212744	46.001	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	196259	49.787	ug/l	100
28) Bromochloromethane	7.19	49	149302	49.508	ug/l	99
29) Tetrahydrofuran	7.21	42	407782	243.345	ug/l	98
30) Chloroform	7.37	83	309642	48.243	ug/l	99
31) Cyclohexane	7.65	56	292885	48.043	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	253736	49.987	ug/l	99
36) 1,1-Dichloropropene	7.79	75	238613	49.022	ug/l	100
37) Ethyl Acetate	6.93	43	246692	51.422	ug/l	99
38) Carbon Tetrachloride	7.77	117	220668	48.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	291989	48.582	ug/l	97
40) Benzene	8.04	78	721699	48.390	ug/l	99
41) Methacrylonitrile	7.18	41	119035m	56.487	ug/l	
42) 1,2-Dichloroethane	8.12	62	230227	48.843	ug/l	100
43) Isopropyl Acetate	8.17	43	380656	50.472	ug/l	100
44) Trichloroethene	8.84	130	196386	48.490	ug/l	99
45) 1,2-Dichloropropane	9.12	63	194561	49.095	ug/l	99
46) Dibromomethane	9.21	93	122076	49.708	ug/l	99
47) Bromodichloromethane	9.40	83	236242	50.622	ug/l	98
48) Methyl methacrylate	9.20	41	183179	50.222	ug/l	98
49) 1,4-Dioxane	9.20	88	64523	862.147	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1210244	247.759	ug/l	100
52) Toluene	10.16	92	444830	50.222	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	255285	52.432	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	291331	51.563	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179574	48.337	ug/l	99
56) Ethyl methacrylate	10.43	69	282156	52.785	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299879	49.423	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	644959	250.912	ug/l	100
59) 2-Hexanone	10.75	43	879014	250.789	ug/l	99
60) Dibromochloromethane	10.90	129	190195	52.056	ug/l	99
61) 1,2-Dibromoethane	11.00	107	187881	50.888	ug/l	100
64) Tetrachloroethene	10.63	164	192484	46.659	ug/l	99
65) Chlorobenzene	11.43	112	482509	49.349	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177421	49.284	ug/l	99
67) Ethyl Benzene	11.51	91	846466	49.262	ug/l	98
68) m/p-Xylenes	11.62	106	638306	99.398	ug/l	100
69) o-Xylene	11.95	106	304402	48.216	ug/l	97
70) Styrene	11.96	104	527125	51.644	ug/l	100
71) Bromoform	12.13	173	140320	51.228	ug/l #	97
73) Isopropylbenzene	12.25	105	811084	44.720	ug/l	100
74) N-amyl acetate	12.07	43	315399	46.694	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	261646	49.812	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	228693m	46.485	ug/l	
77) Bromobenzene	12.53	156	217114	45.767	ug/l	98
78) n-propylbenzene	12.59	91	925147	45.947	ug/l	100
79) 2-Chlorotoluene	12.67	91	546740	49.109	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	684343	44.520	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	77071	48.381	ug/l	97
82) 4-Chlorotoluene	12.77	91	548295	46.402	ug/l	99
83) tert-Butylbenzene	12.99	119	587910	49.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	693954	46.211	ug/l	99
85) sec-Butylbenzene	13.17	105	787102	46.081	ug/l	100
86) p-Isopropyltoluene	13.29	119	712980	46.078	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	369655	47.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	357594	47.287	ug/l	99
89) n-Butylbenzene	13.61	91	615395	49.374	ug/l	99
90) Hexachloroethane	13.87	117	113782	45.472	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	363579	45.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45713	47.004	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	207798	47.504	ug/l	99
94) Hexachlorobutadiene	15.01	225	117872	47.110	ug/l	99
95) Naphthalene	15.13	128	567249	47.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	209339	48.132	ug/l	98

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

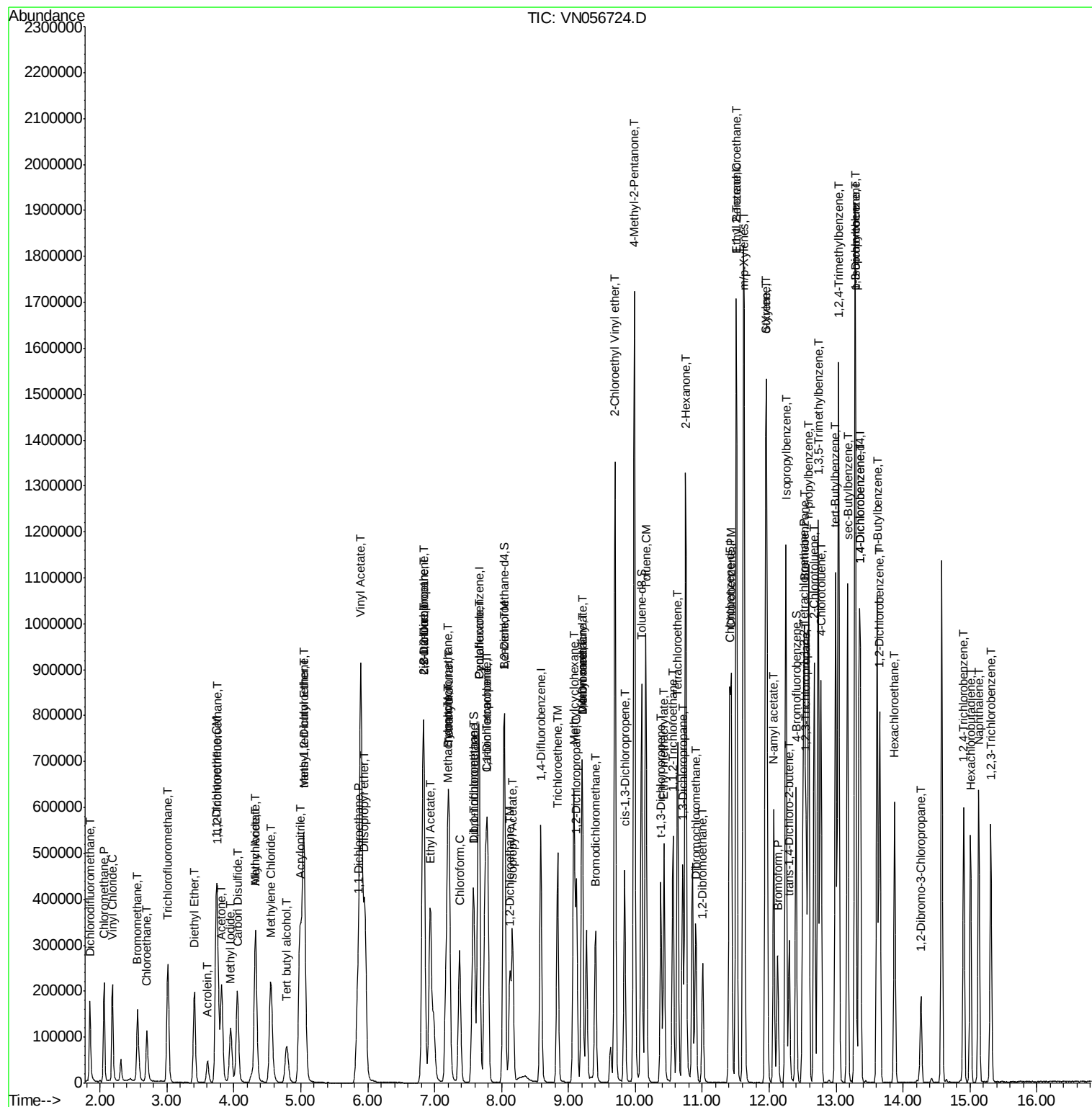
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
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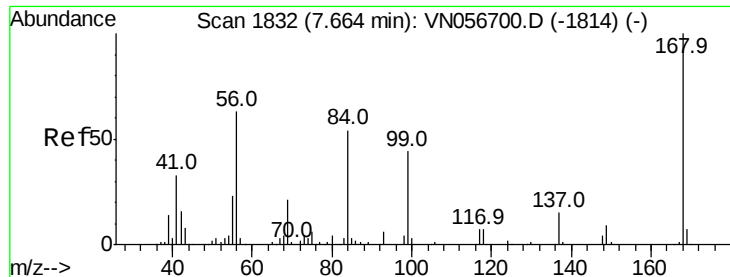
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 344755

Ion Ratio Lower Upper

168 100

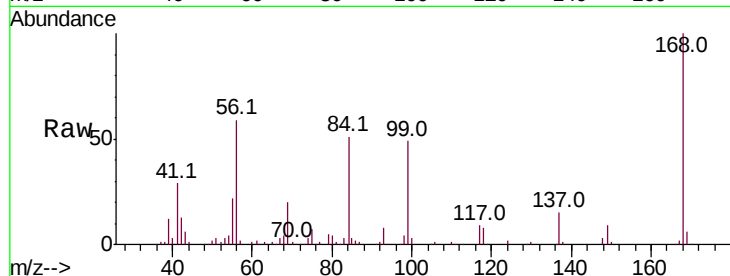
99 48.6 39.4 59.2

Manual Integrations

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7/17/2019 1:31:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

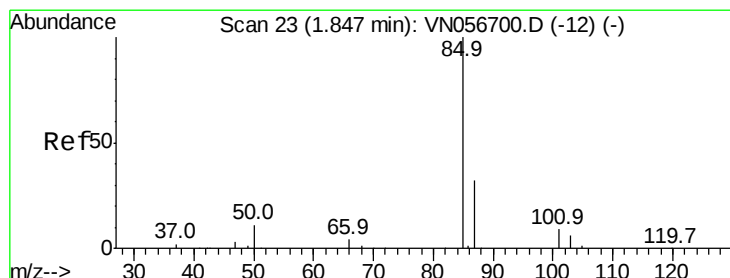
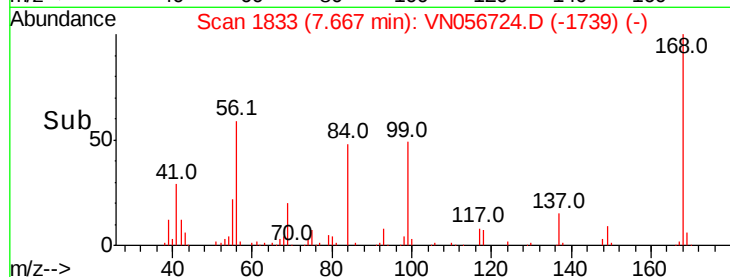
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 46.075 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056724.D

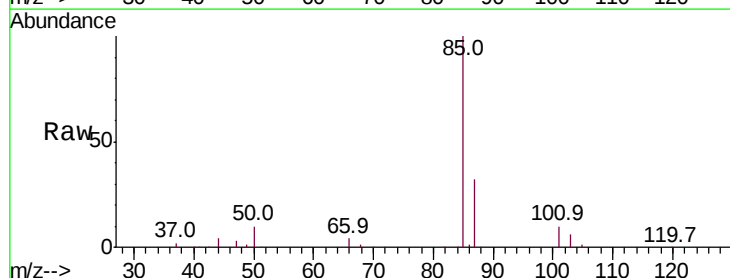
Acq: 15 Jul 2019 19:55

Tgt Ion: 85 Resp: 149156

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

120000

100000

80000

60000

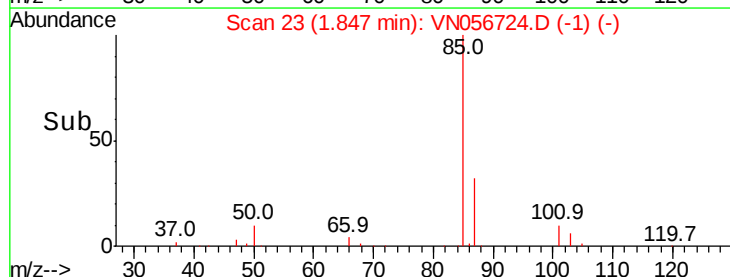
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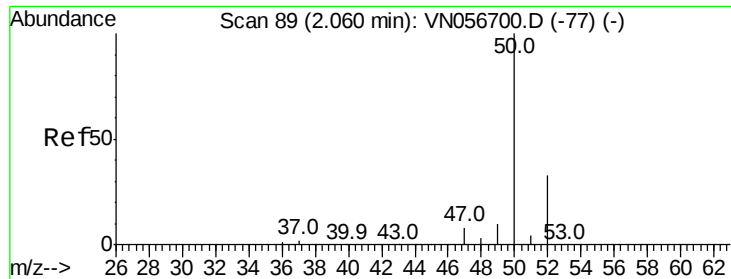
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 45.591 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 198424

Ion Ratio Lower Upper

50 100

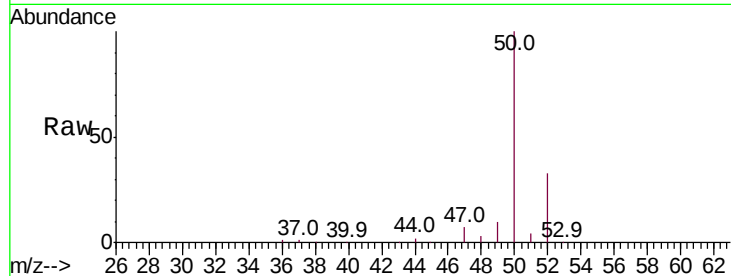
52 32.8 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

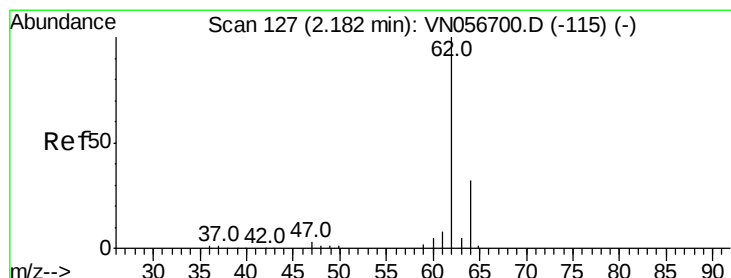
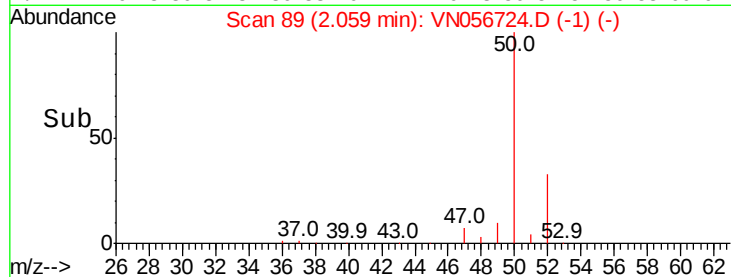
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.645 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056724.D

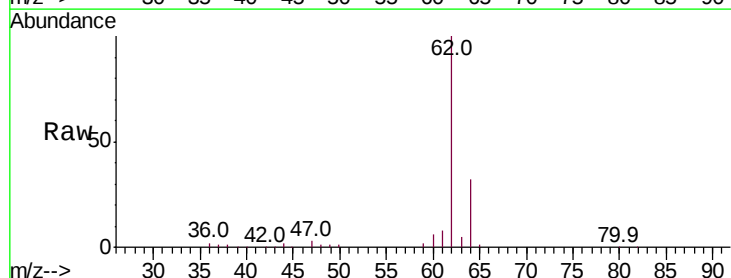
Acq: 15 Jul 2019 19:55

Tgt Ion: 62 Resp: 199687

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

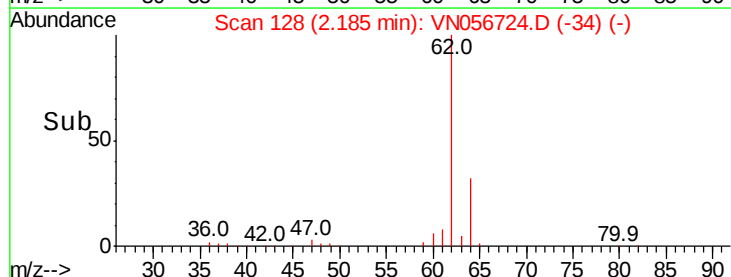
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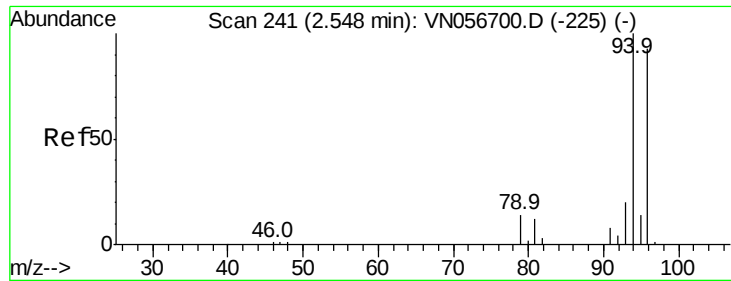
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50000

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Time-->





#5

Bromomethane

Concen: 49.495 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 121989

Ion Ratio Lower Upper

94 100

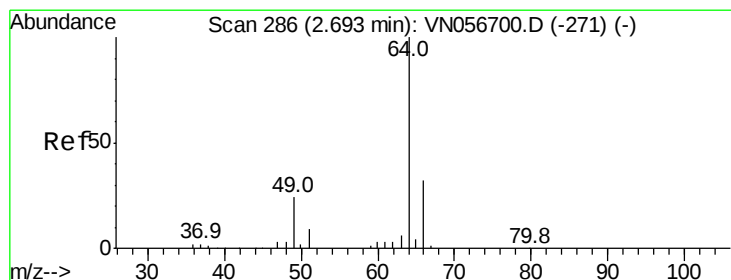
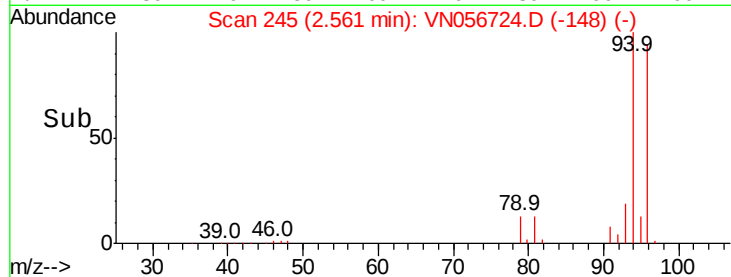
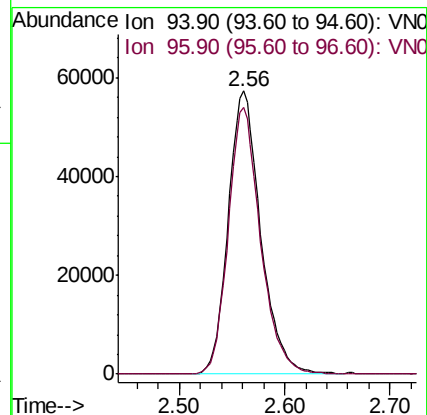
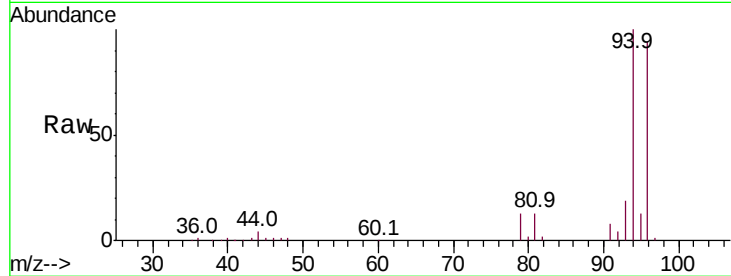
96 94.1 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 46.553 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056724.D

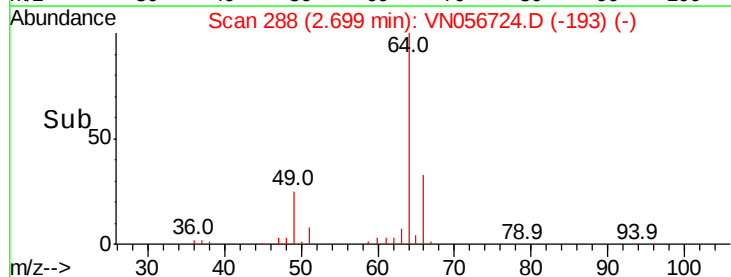
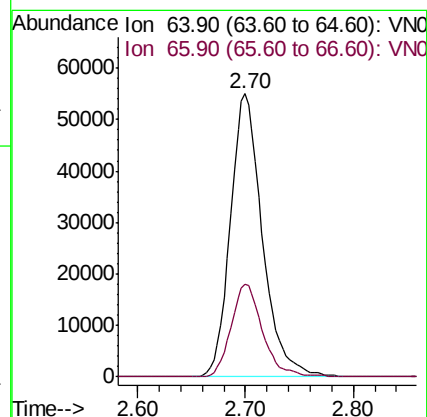
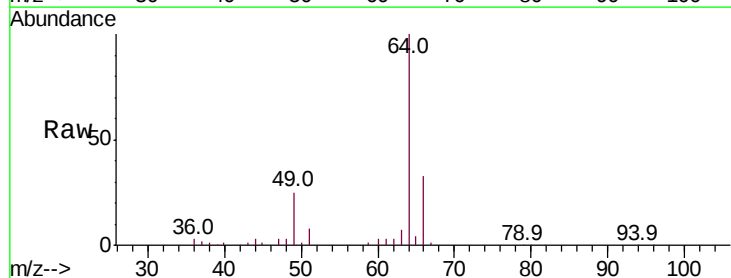
Acq: 15 Jul 2019 19:55

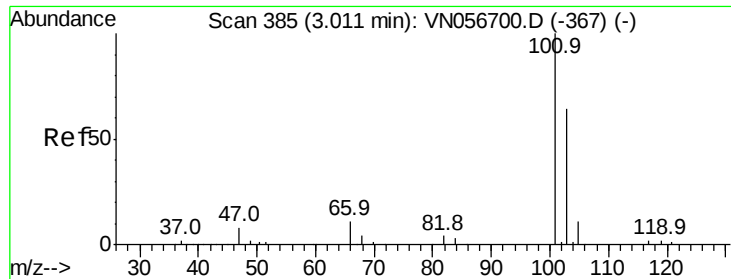
Tgt Ion: 64 Resp: 113697

Ion Ratio Lower Upper

64 100

66 32.8 25.8 38.8





#7

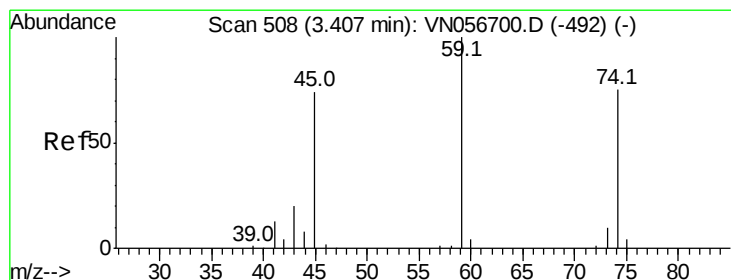
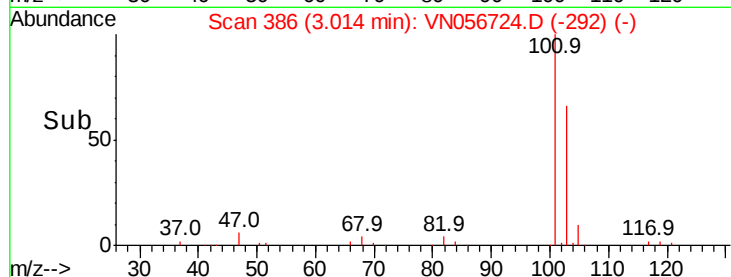
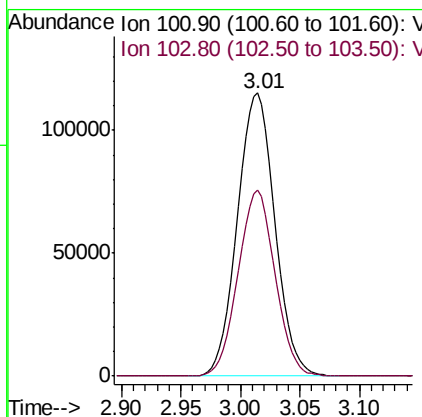
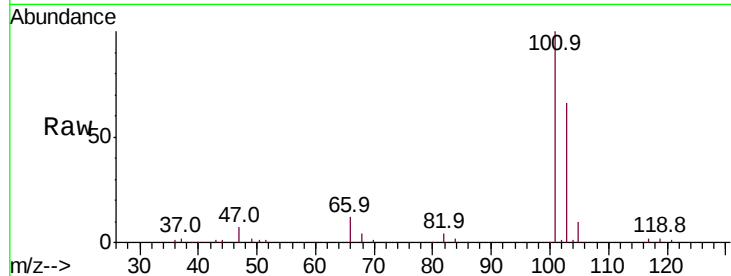
Trichlorofluoromethane
 Concen: 46.837 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 251884
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.5 77.3

Manual Integrations
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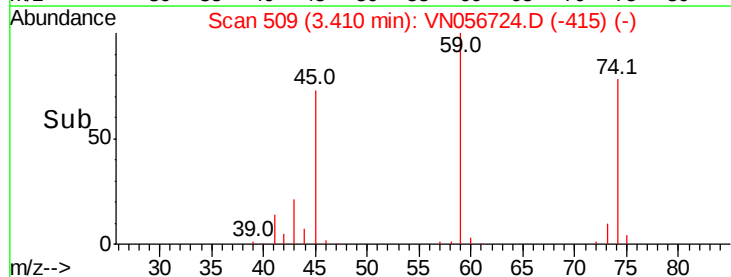
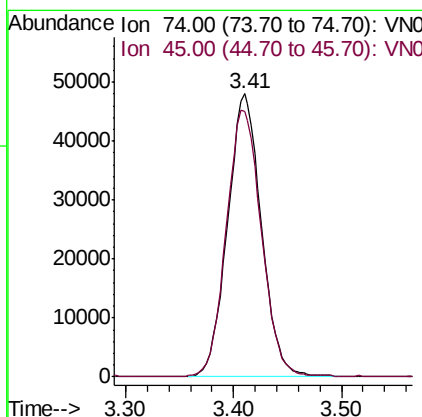
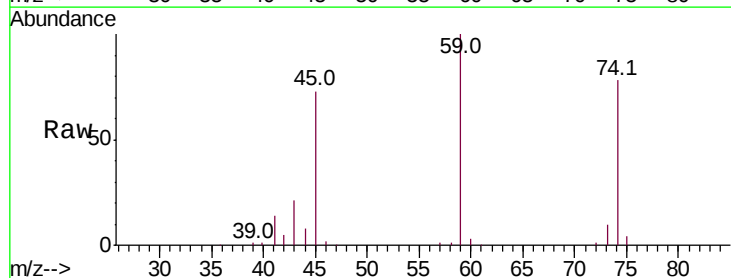
MMDadoda
 7/17/2019 1:31:43 AM

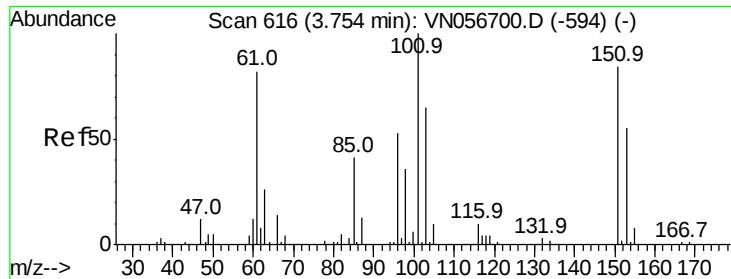


#8

Diethyl Ether
 Concen: 49.985 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion: 74 Resp: 104805
 Ion Ratio Lower Upper
 74 100
 45 97.7 49.4 148.2





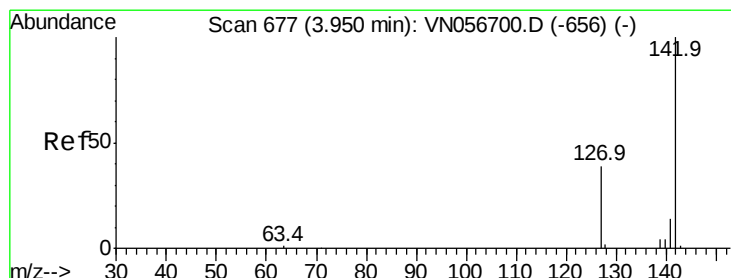
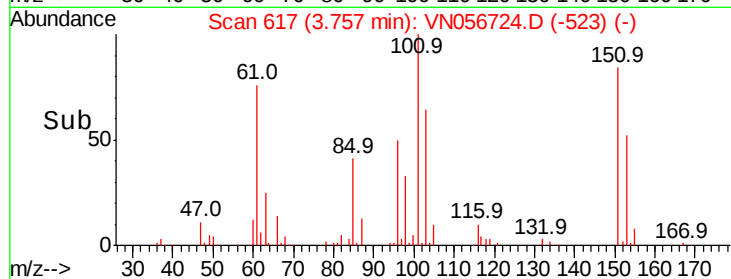
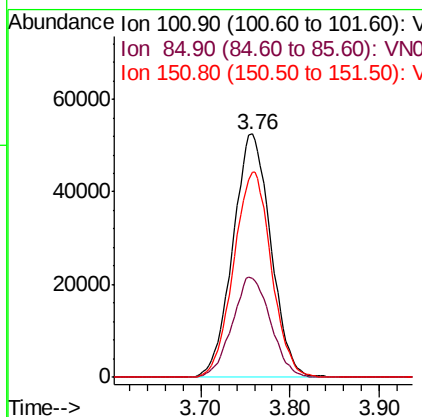
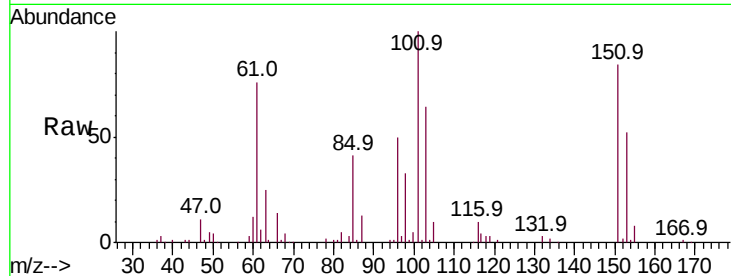
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.009 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	155120		
85	41.5	33.3	49.9	
151	83.7	67.0	100.6	

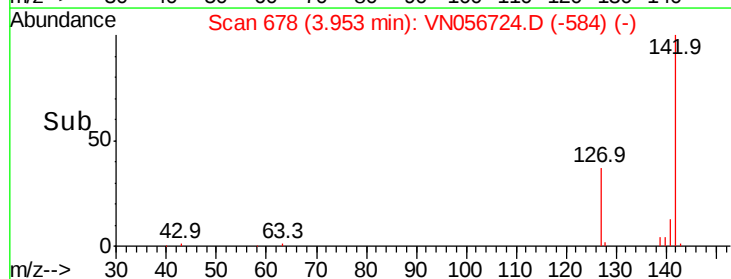
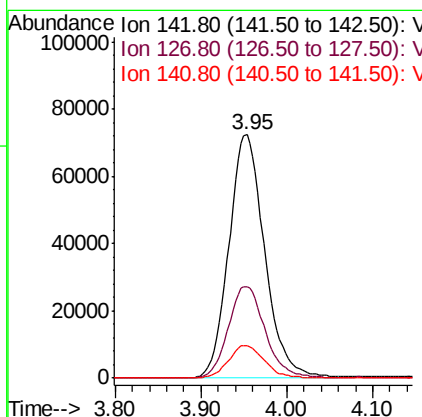
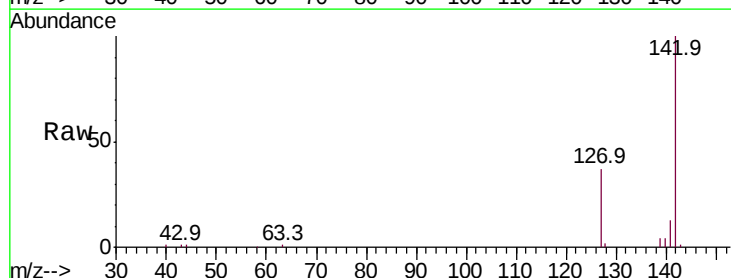
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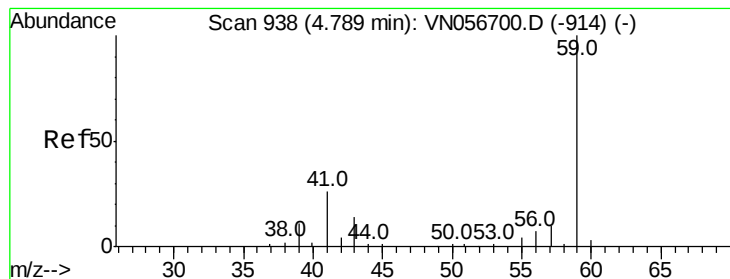
MMDadoda
 7/17/2019 1:31:43 AM



#10
 Methyl Iodide
 Concen: 48.533 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	209743		
127	38.7	30.7	46.1	
141	13.5	11.3	16.9	





#11

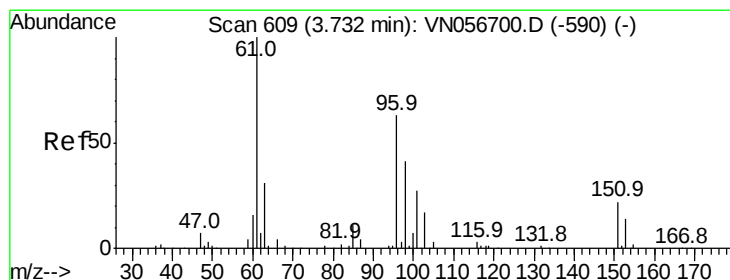
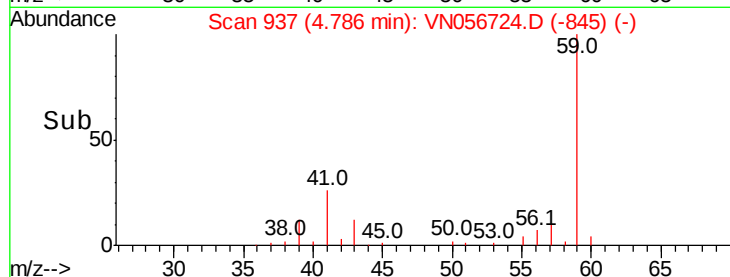
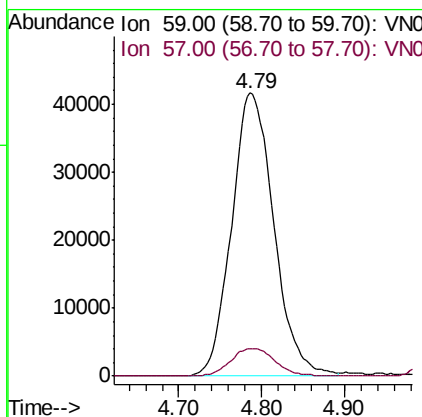
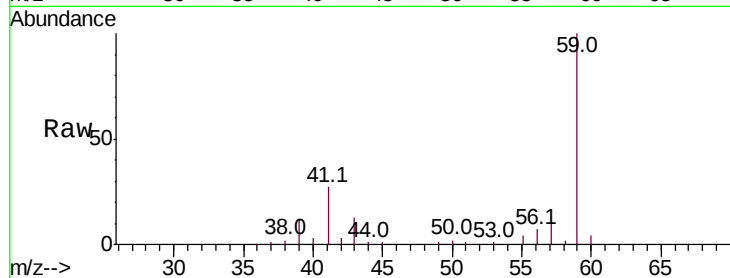
Tert butyl alcohol
 Concen: 232.375 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

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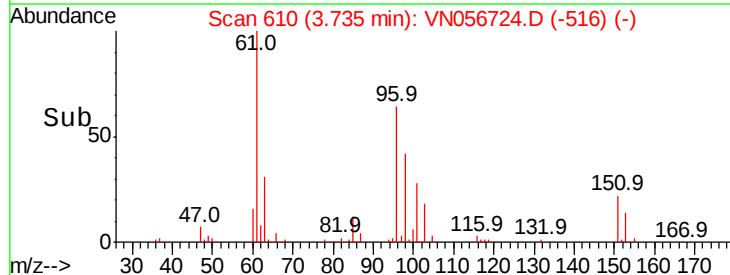
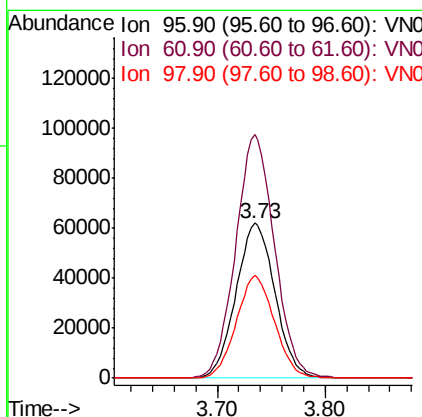
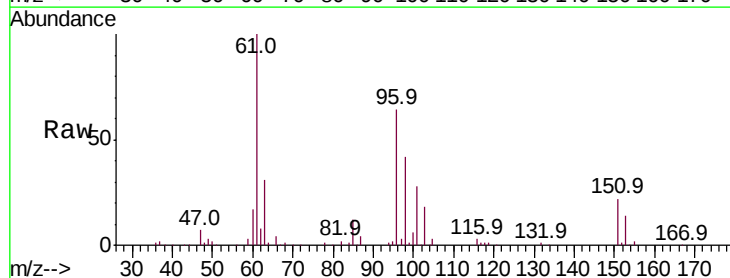
MMDadoda
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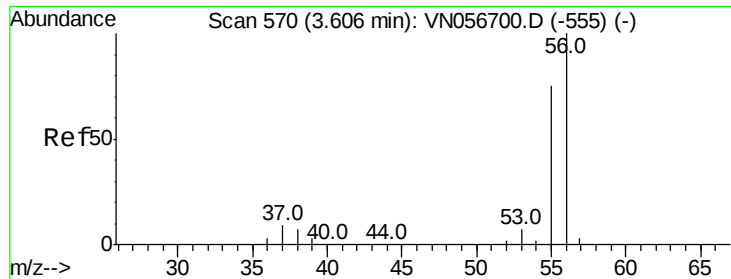


#12

1,1-Dichloroethene
 Concen: 48.320 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	126.6	189.8
98	66.1	51.4	77.2





#13

Acrolein

Concen: 257.229 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55837

Ion Ratio Lower Upper

56 100

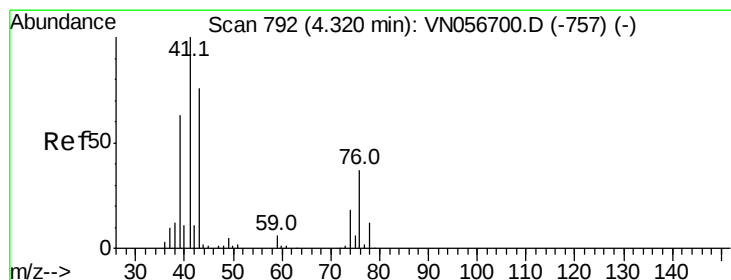
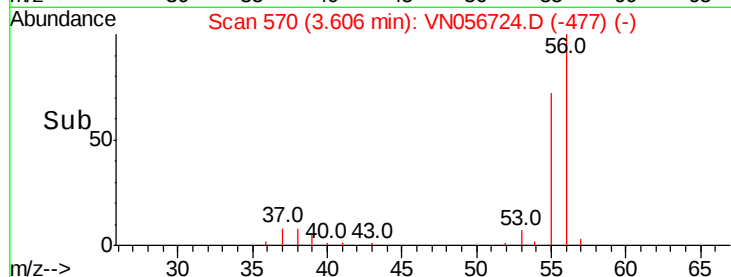
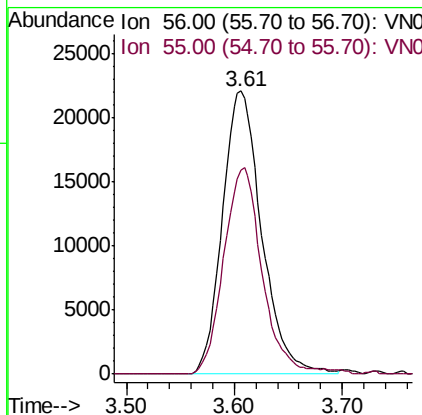
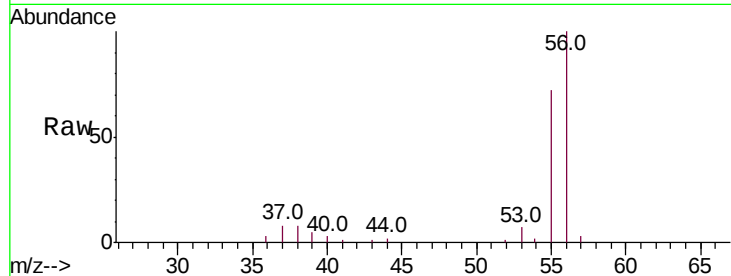
55 71.8 58.0 87.0

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#14

Allyl chloride

Concen: 48.351 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

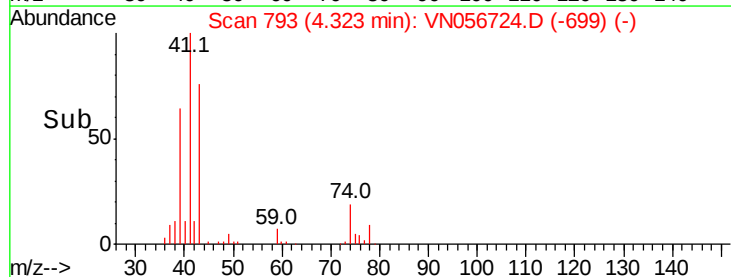
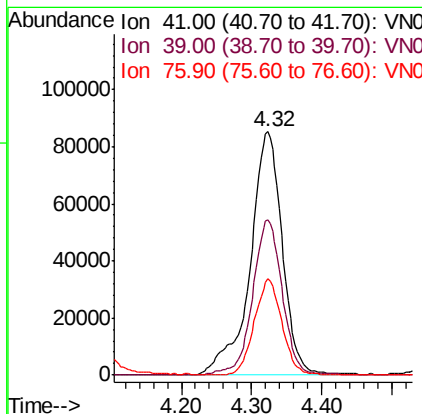
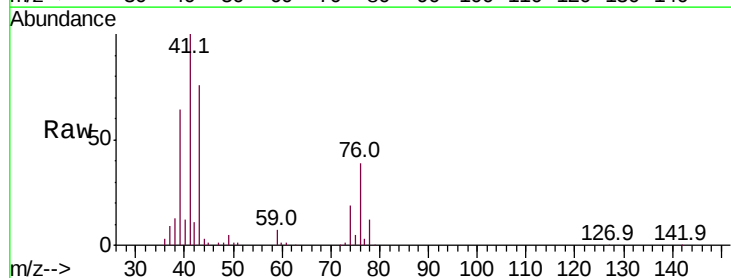
Tgt Ion: 41 Resp: 270993

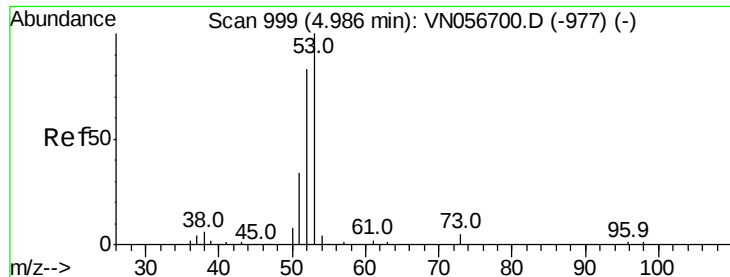
Ion Ratio Lower Upper

41 100

39 58.7 46.9 70.3

76 33.7 26.5 39.7





#15

Acrylonitrile

Concen: 247.359 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

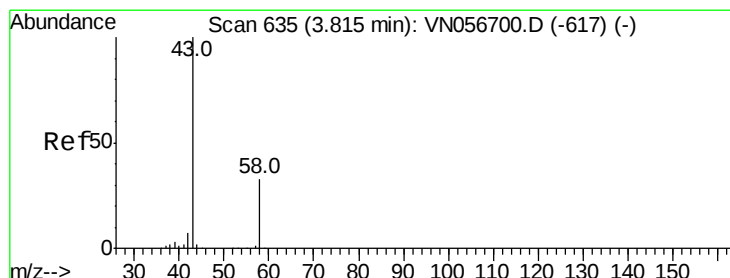
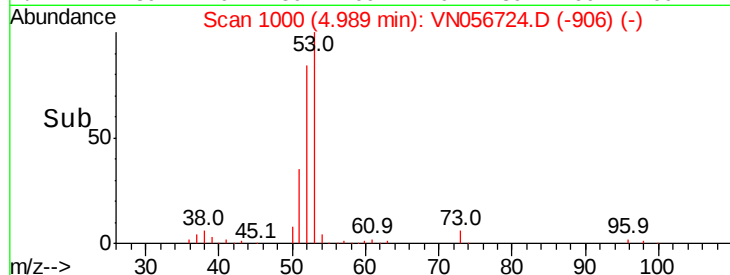
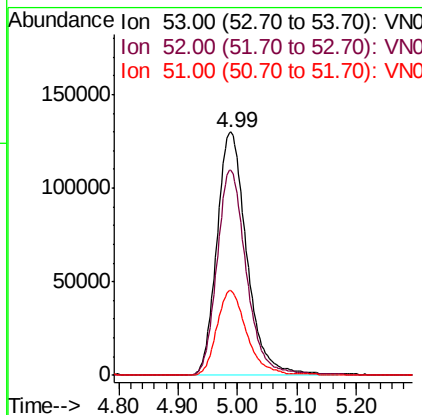
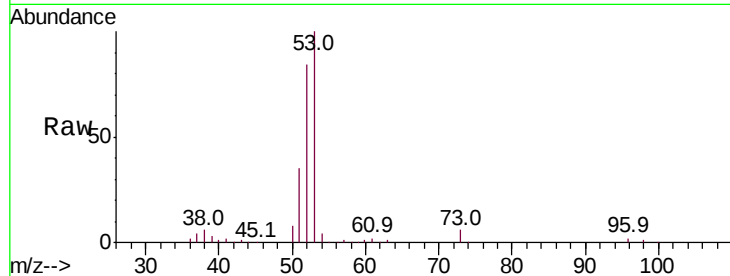
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	453426
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	35.1	28.4	42.6

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#16

Acetone

Concen: 198.208 ug/l

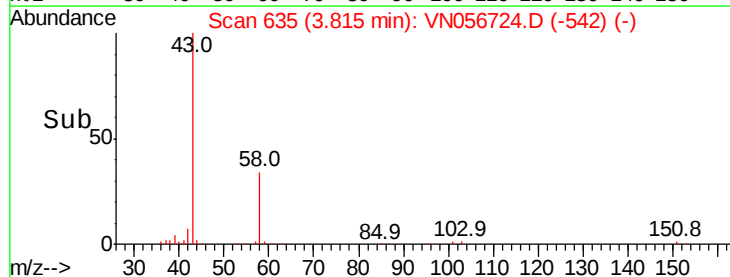
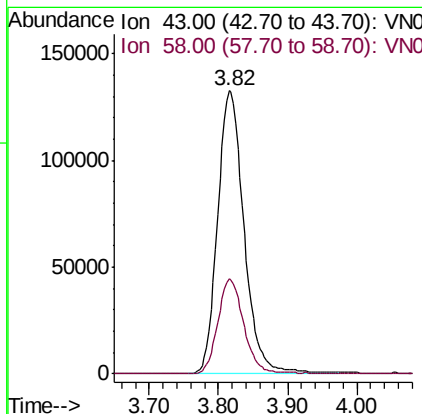
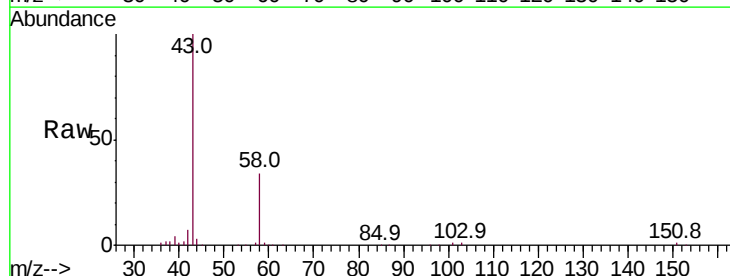
RT: 3.82 min Scan# 635

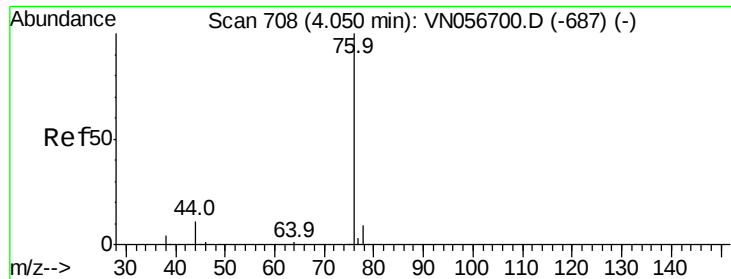
Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Tgt Ion:	43	Resp:	348318
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.7	40.1





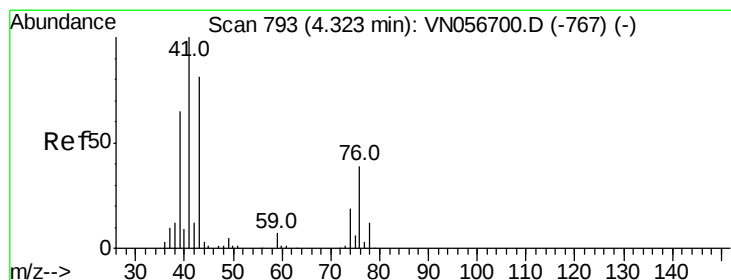
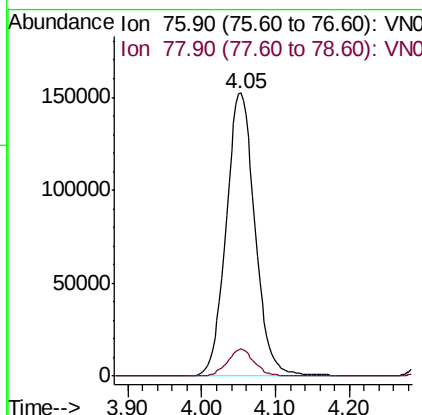
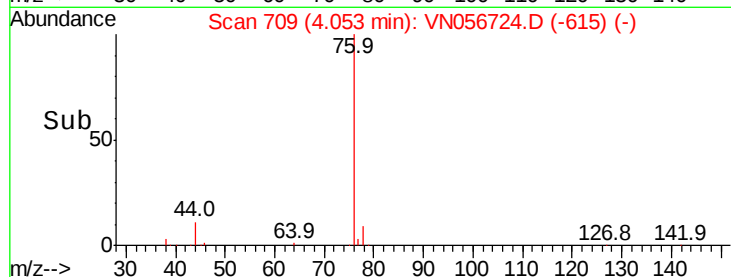
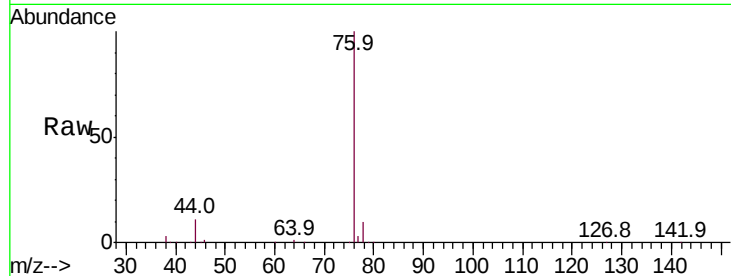
#17
Carbon Disulfide
Concen: 48.337 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 413975
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

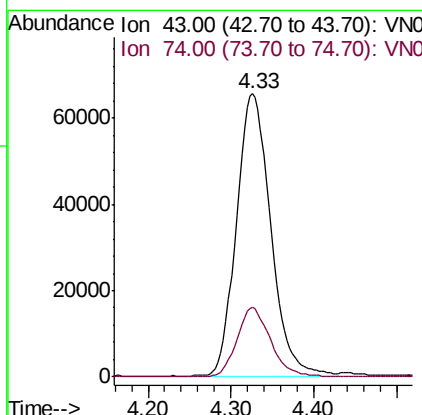
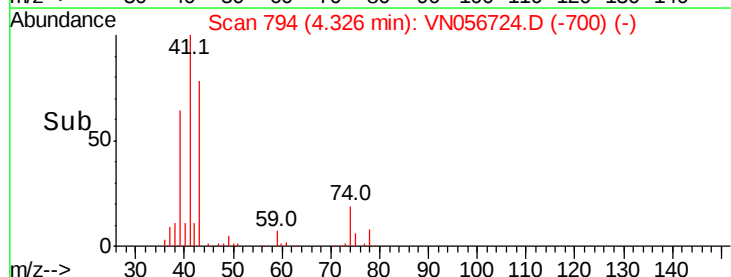
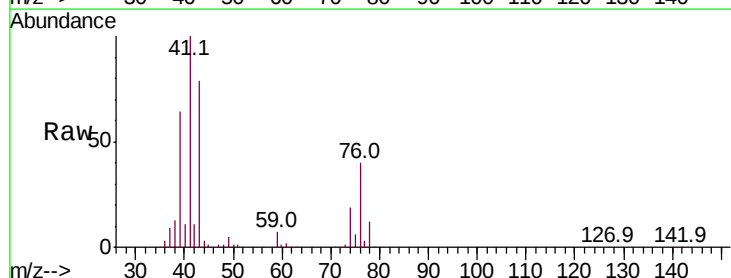
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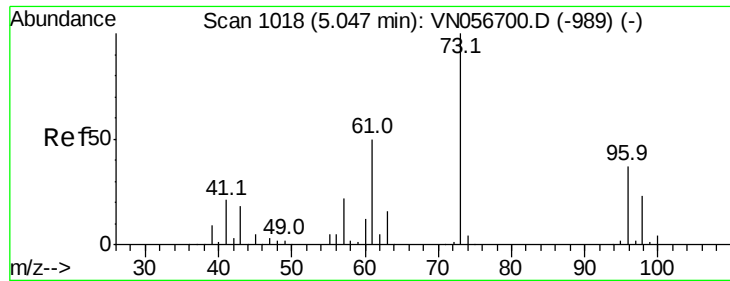
MMDadoda
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#18
Methyl Acetate
Concen: 47.650 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion: 43 Resp: 188248
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3





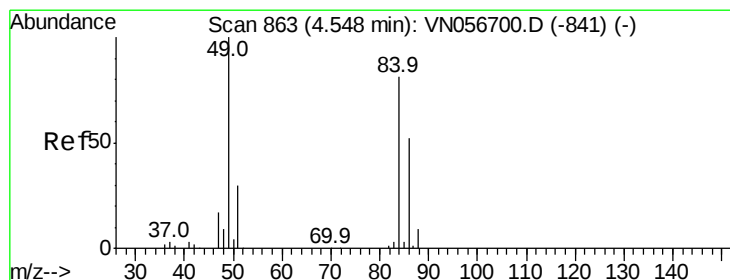
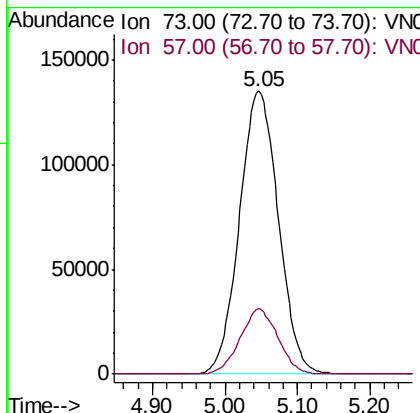
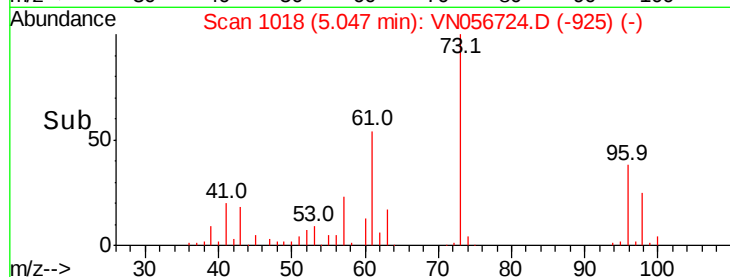
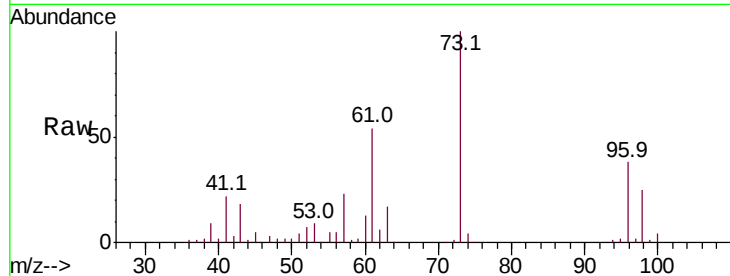
#19
Methvl tert-butvl Ether
Concen: 48.783 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 503748
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9

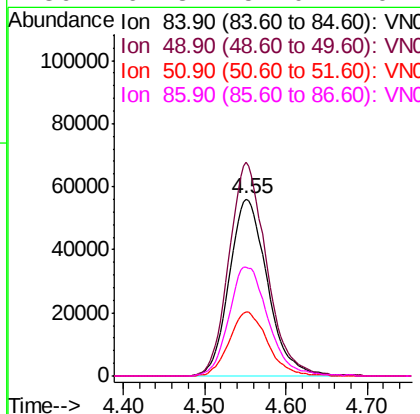
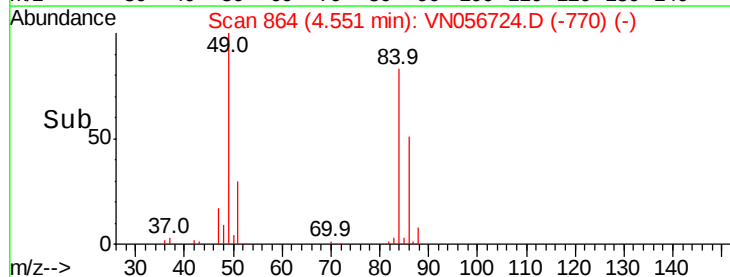
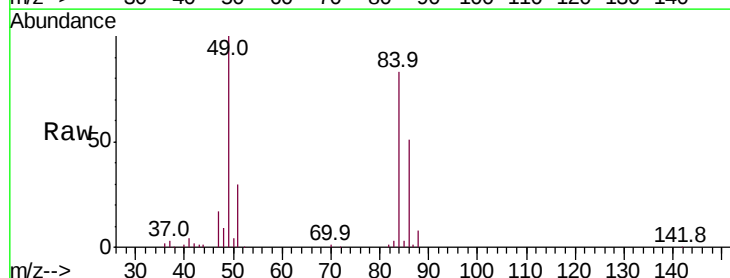
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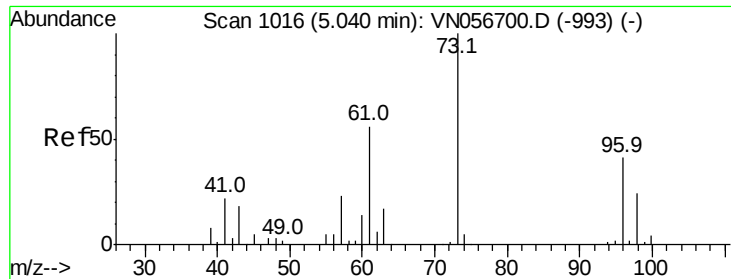
MMDadoda
7/17/2019 1:31:43 AM



#20
Methylene Chloride
Concen: 47.650 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion: 84 Resp: 182992
Ion Ratio Lower Upper
84 100
49 120.6 98.2 147.4
51 36.1 29.6 44.4
86 61.3 51.0 76.4





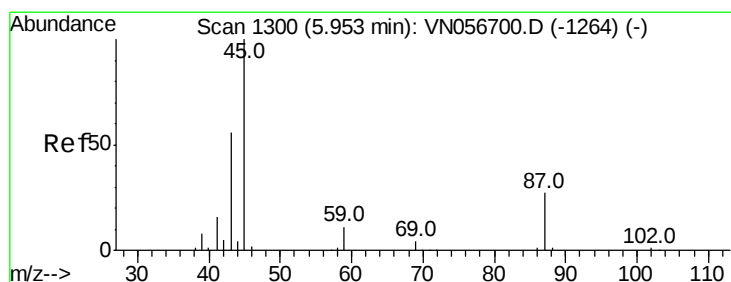
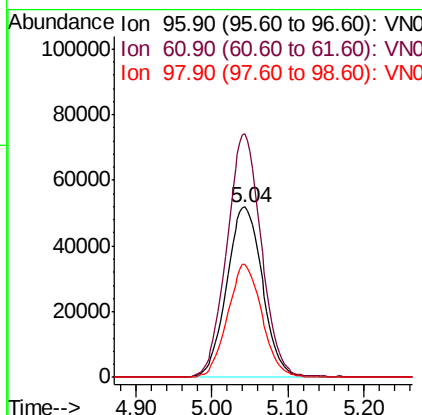
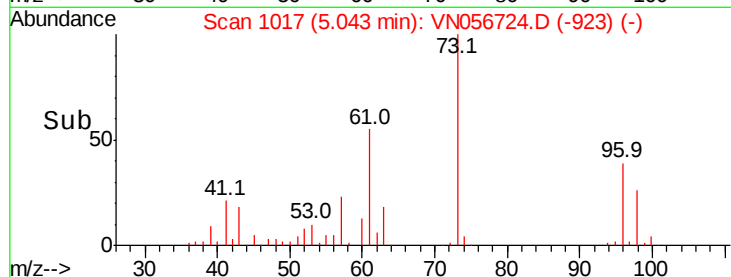
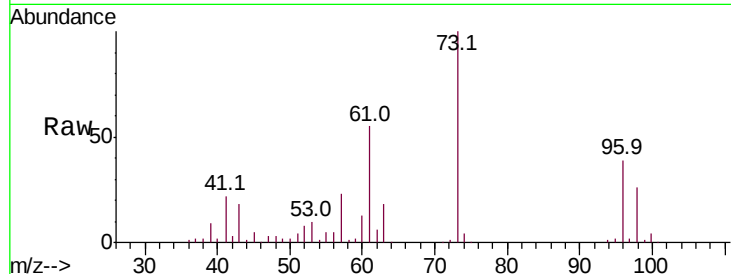
#21
trans-1,2-Dichloroethene
Concen: 49.496 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	109.4	164.2
98	66.1	48.0	72.0

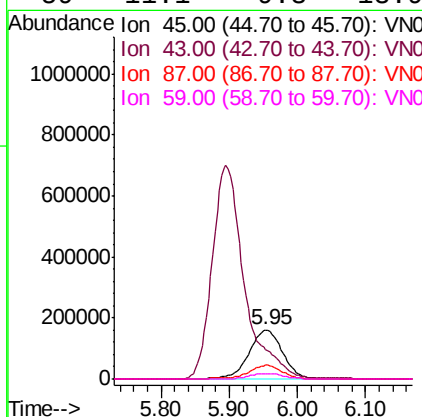
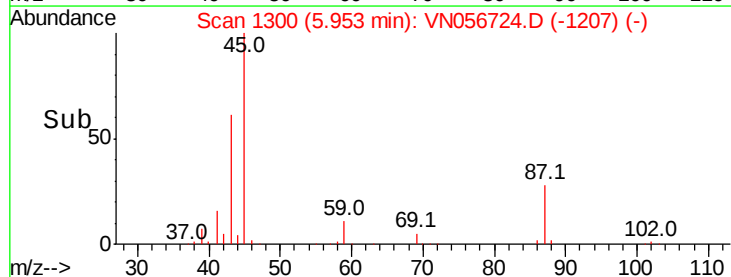
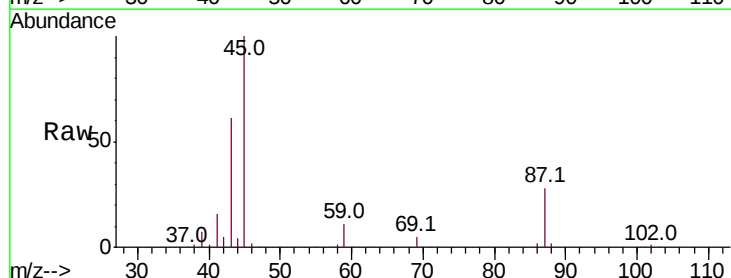
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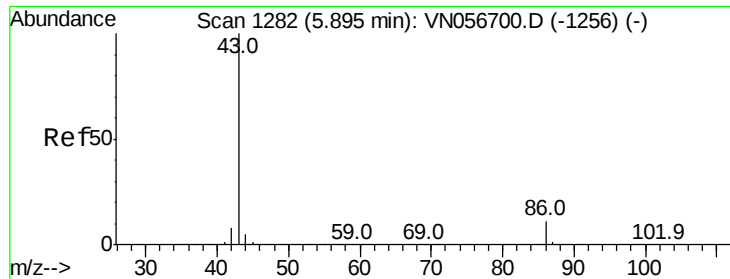
MMDadoda
7/17/2019 1:31:43 AM



#22
Diisopropyl ether
Concen: 49.585 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	45.6	68.4
87	28.1	22.0	33.0
59	11.1	9.3	13.9





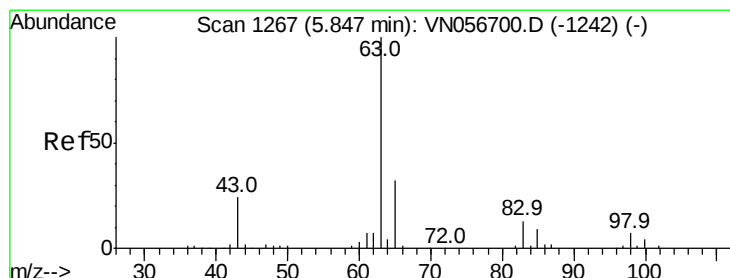
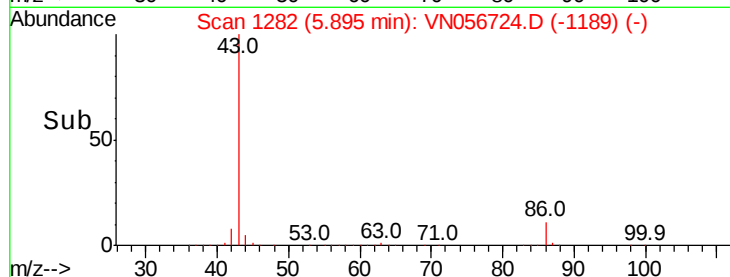
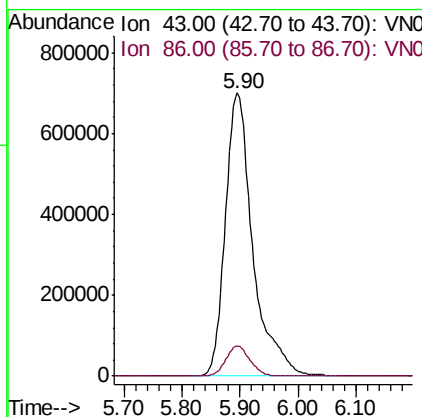
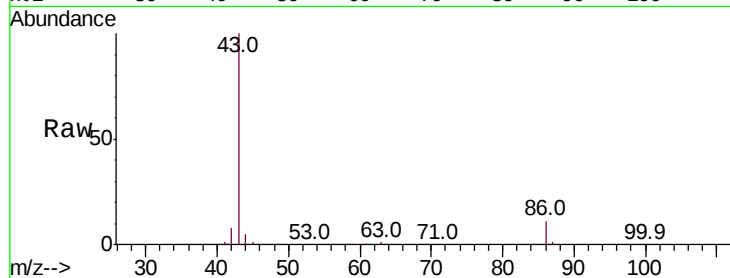
#23
 Vinyl Acetate
 Concen: 257.407 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2307601
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.5 12.7

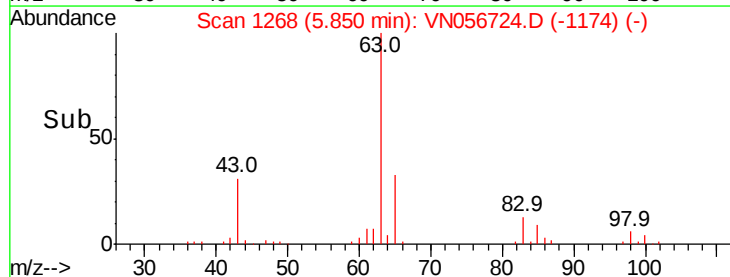
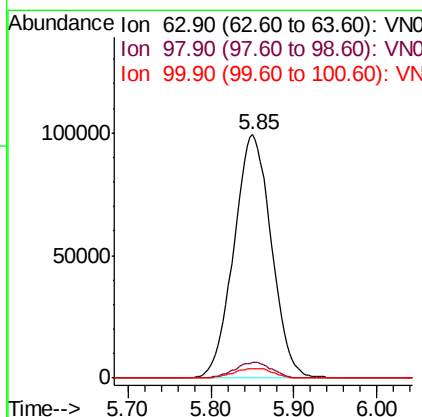
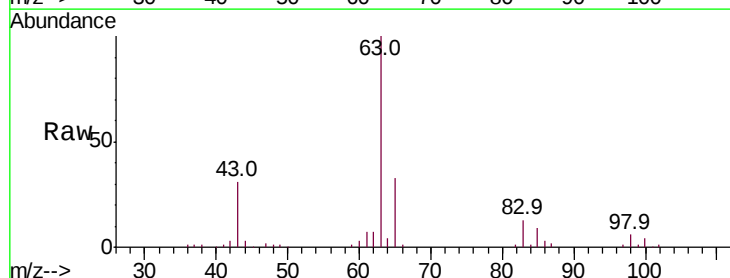
Manual Integrations
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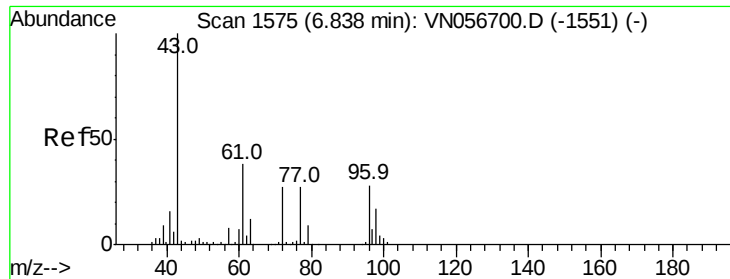
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 48.623 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion: 63 Resp: 311867
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 231.127 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 593822

Ion Ratio Lower Upper

43 100

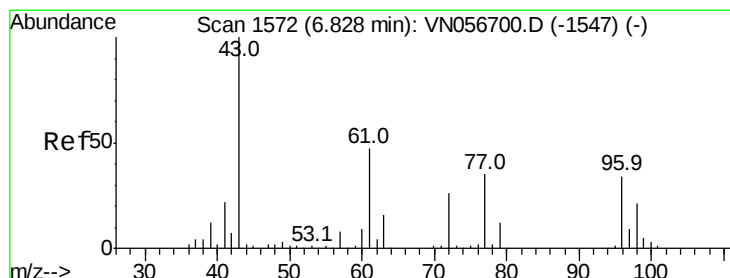
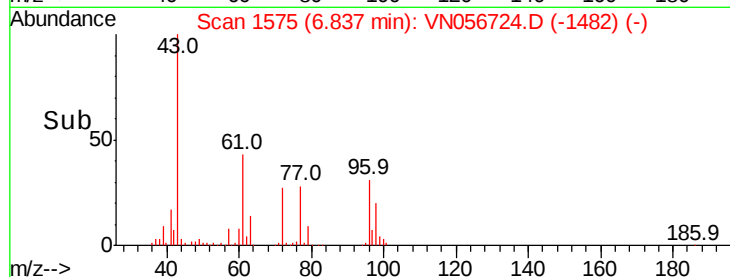
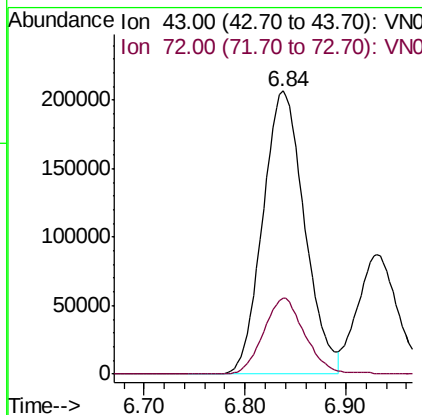
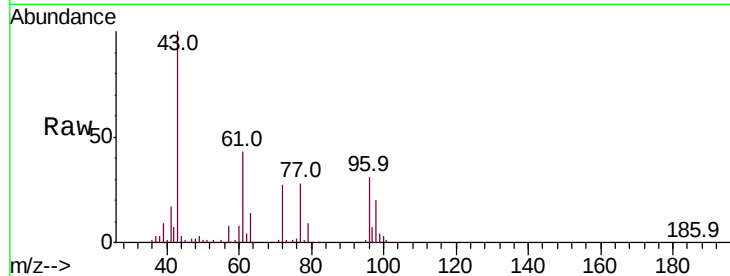
72 26.9 21.2 31.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 46.001 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056724.D

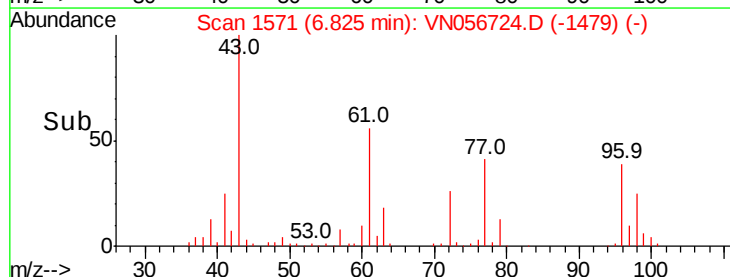
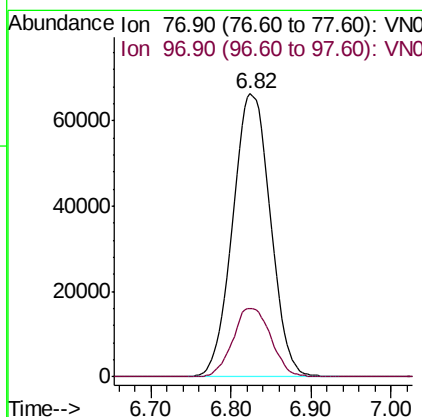
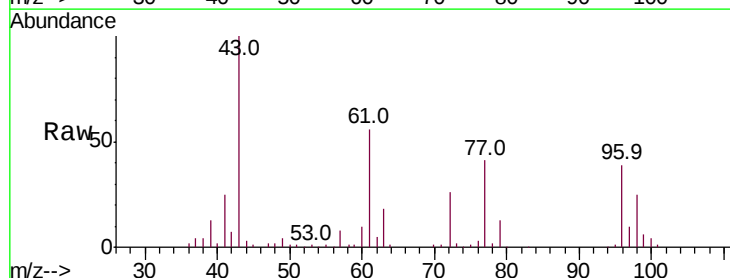
Acq: 15 Jul 2019 19:55

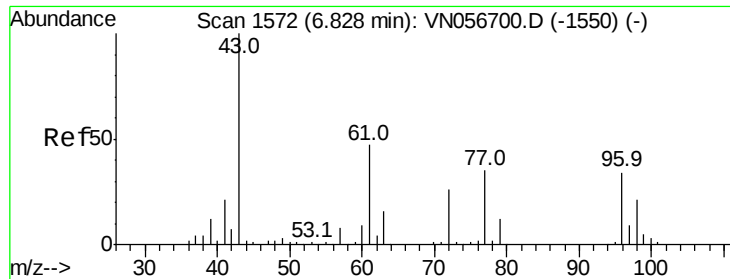
Tgt Ion: 77 Resp: 212744

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.787 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

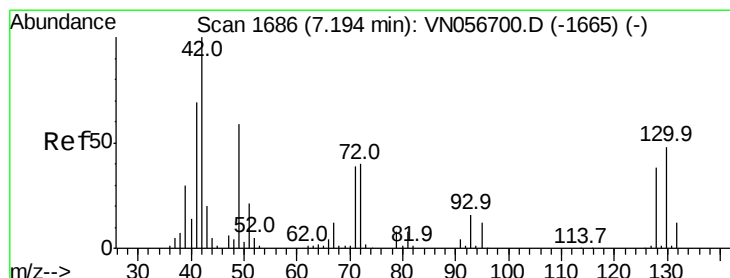
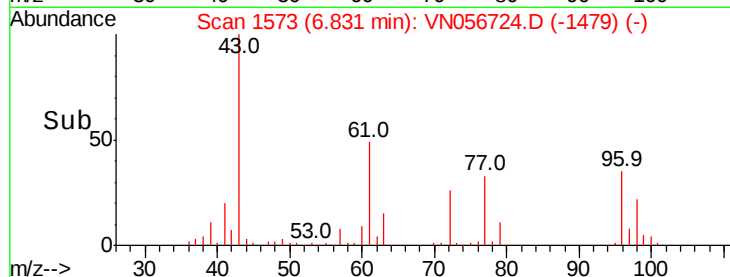
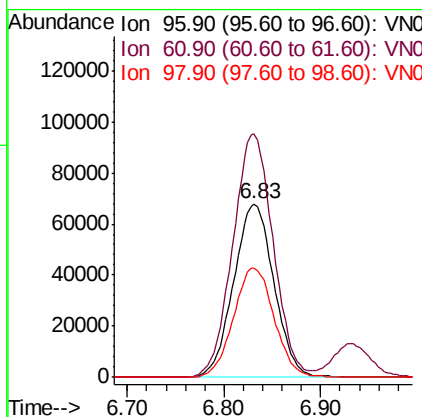
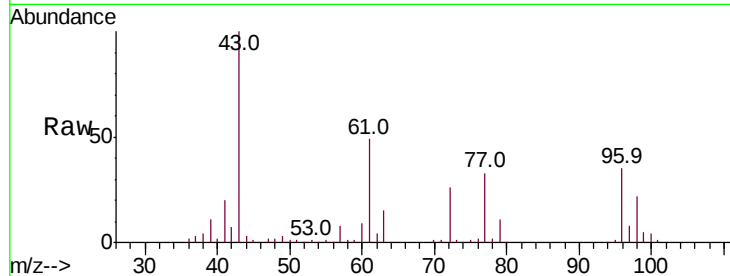
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	196259
Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	281.4
98	63.9	0.0	127.8

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#28

Bromochloromethane

Concen: 49.508 ug/l

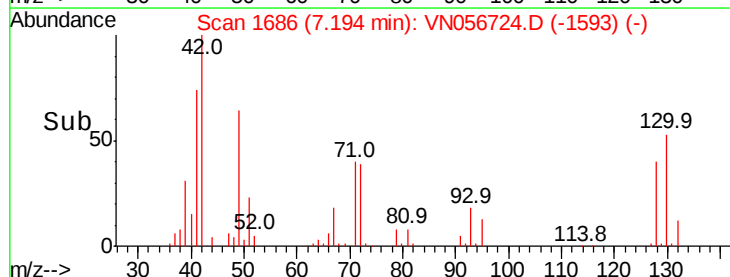
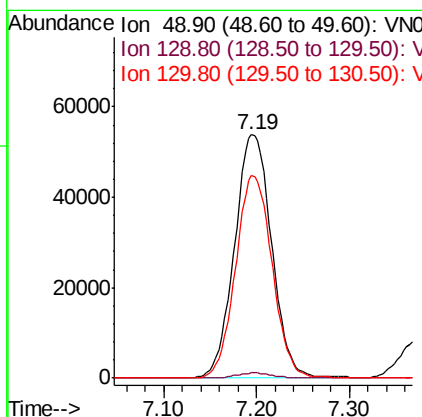
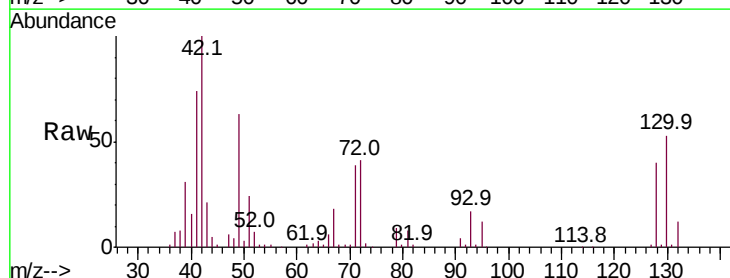
RT: 7.19 min Scan# 1686

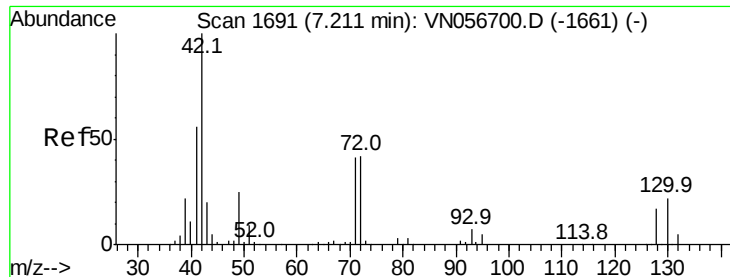
Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Tgt Ion:	49	Resp:	149302
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.9	64.7	97.1





#29

Tetrahydrofuran

Concen: 243.345 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

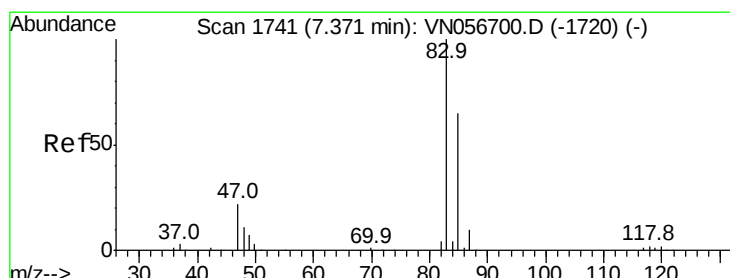
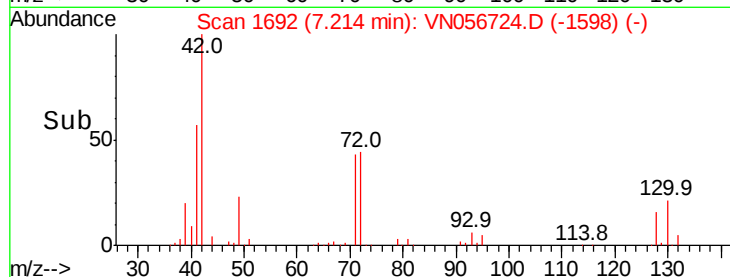
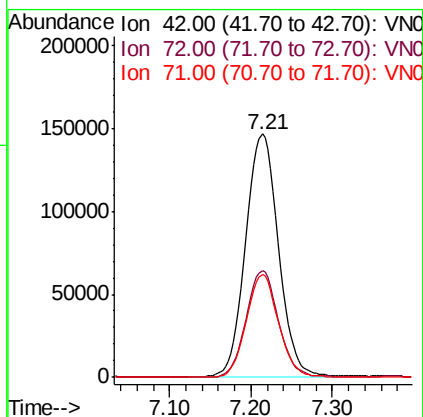
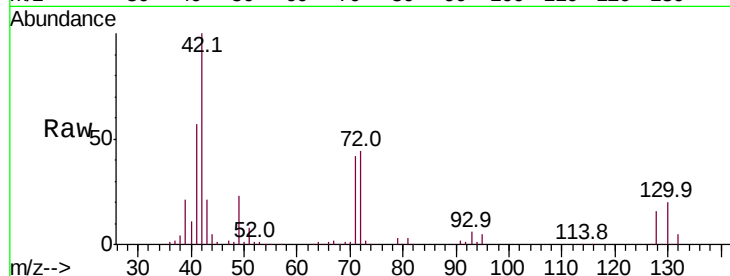
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	407782
Ion Ratio	Lower	Upper	
42	100		
72	43.2	33.5	50.3
71	41.3	31.8	47.8

Manual Integrations
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#30

Chloroform

Concen: 48.243 ug/l

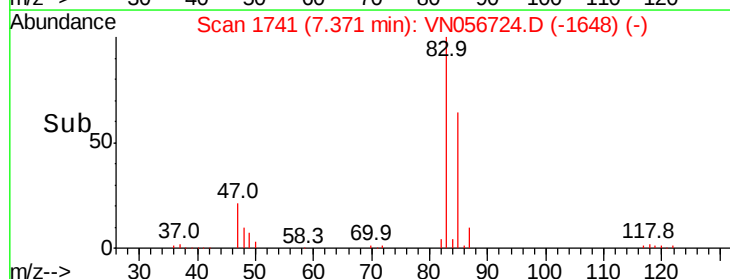
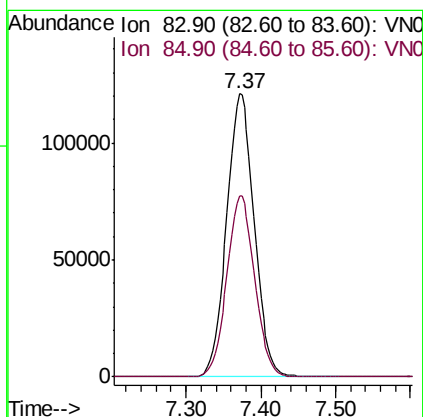
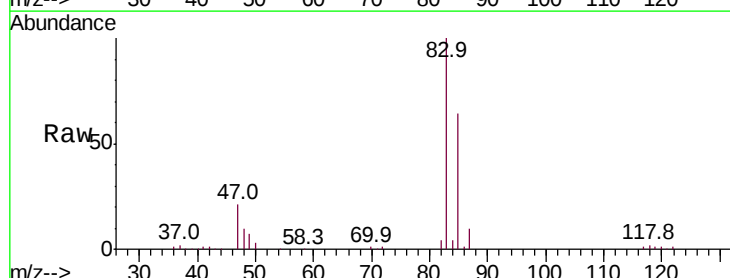
RT: 7.37 min Scan# 1741

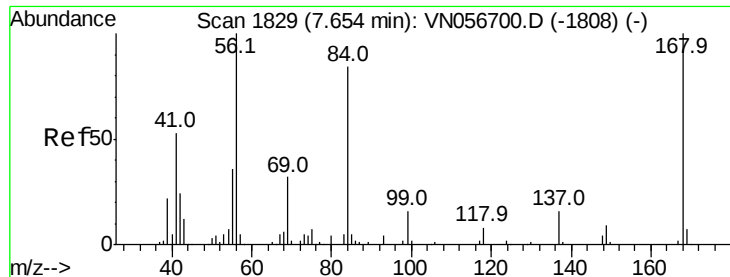
Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Tgt Ion:	83	Resp:	309642
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.9	77.9





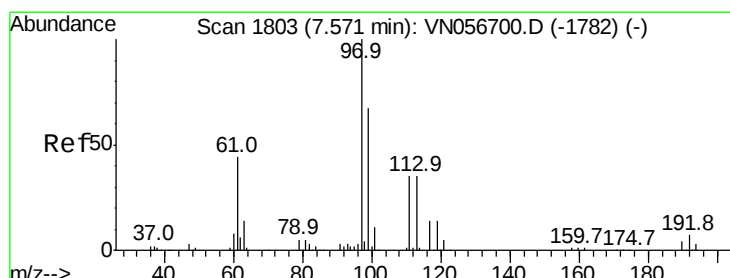
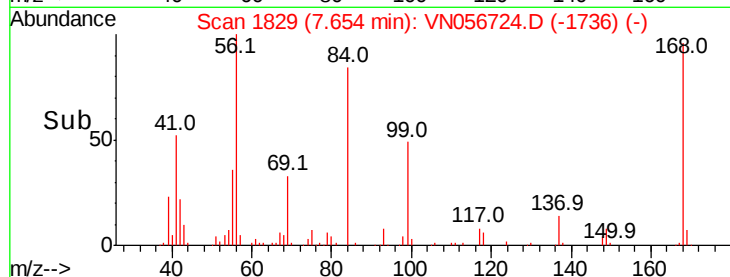
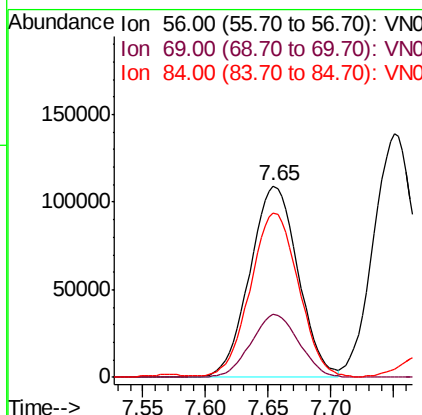
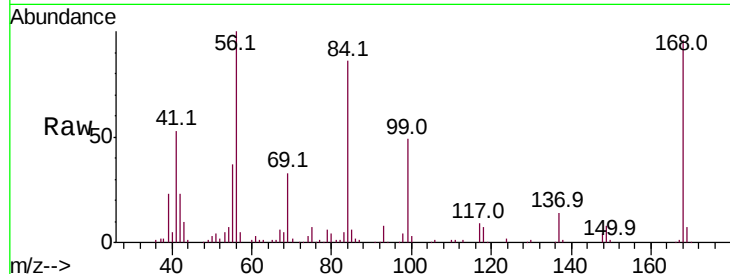
#31
Cyclohexane
Concen: 48.043 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.8	38.8
84	85.2	67.4	101.0

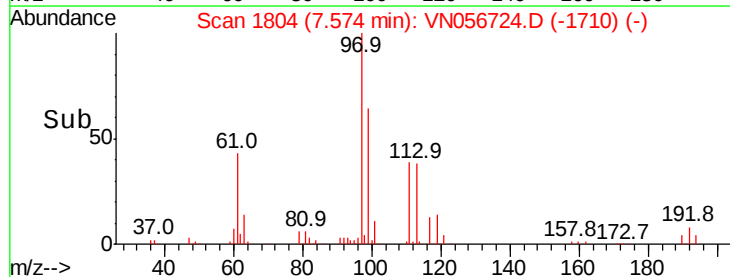
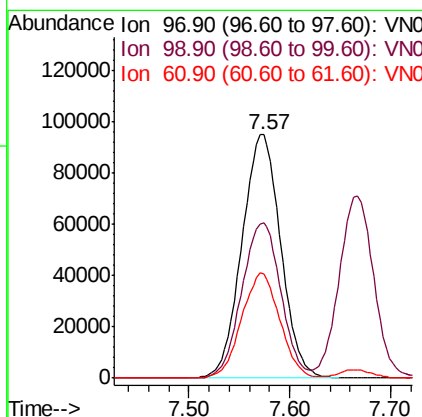
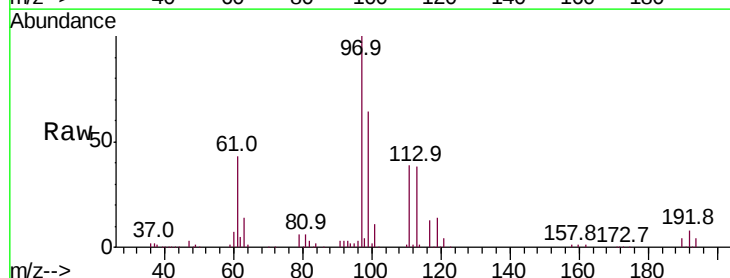
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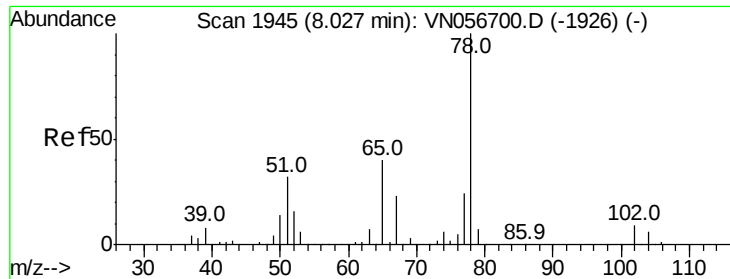
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#32
1,1,1-Trichloroethane
Concen: 49.987 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	42.5	34.3	51.5





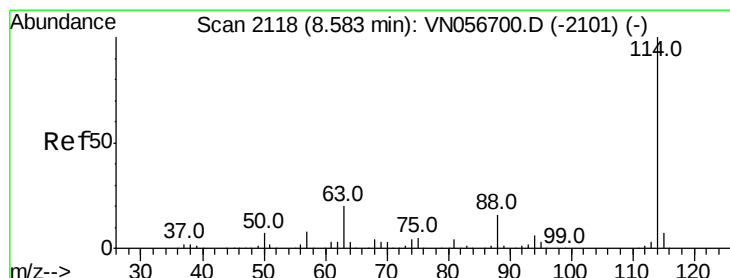
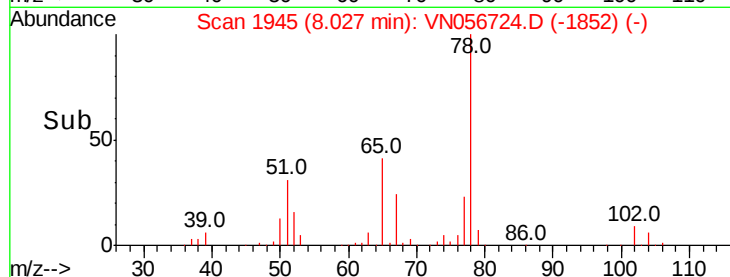
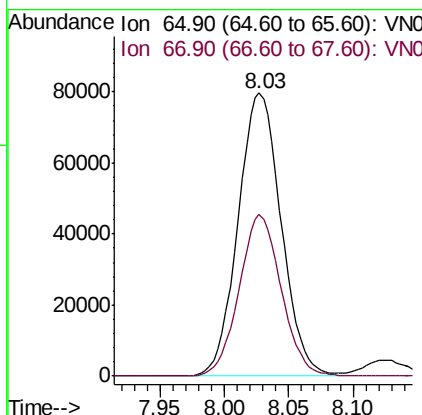
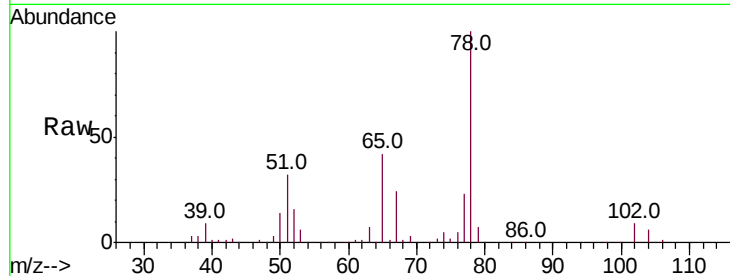
#33
 1,2-Dichloroethane-d4
 Concen: 48.614 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185388		
67	55.6	0.0	109.0	

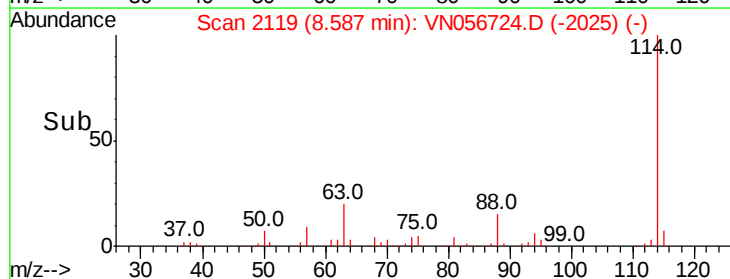
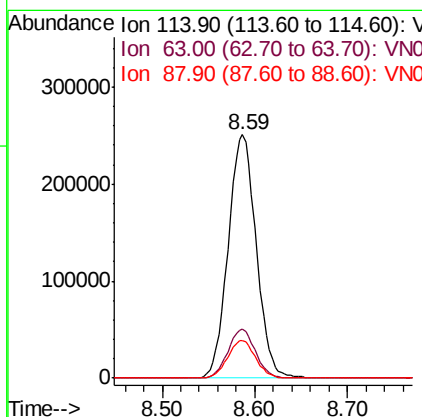
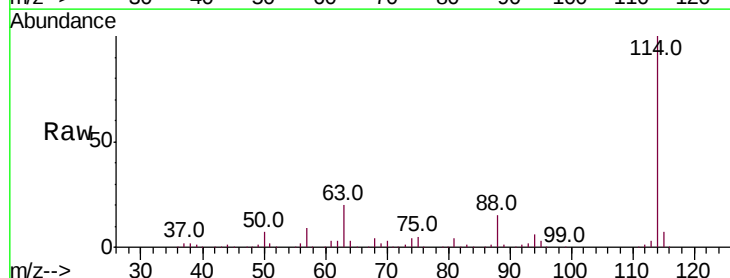
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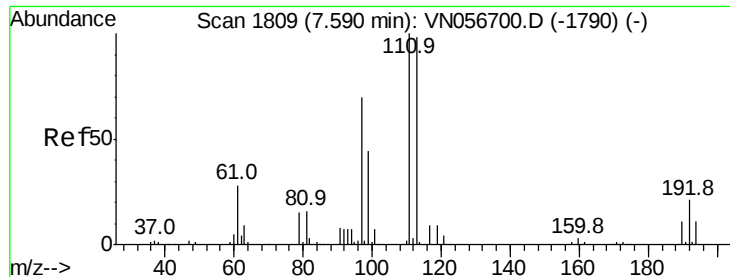
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	526010		
63	19.9	0.0	39.4	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 49.976 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

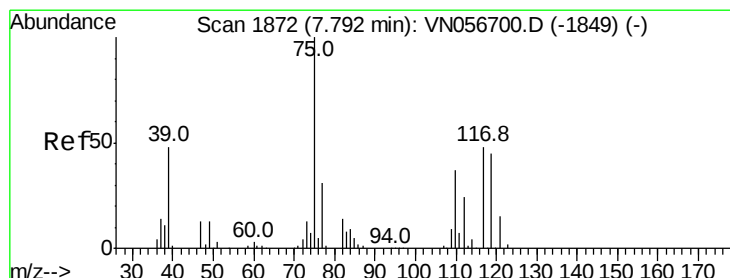
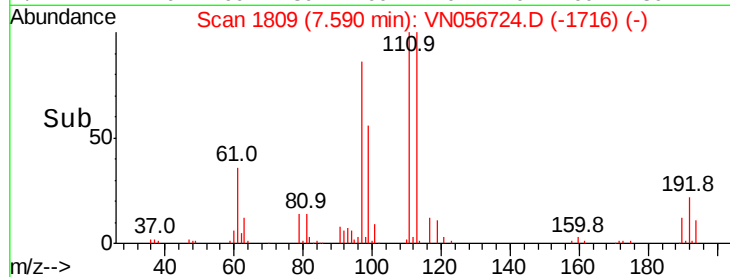
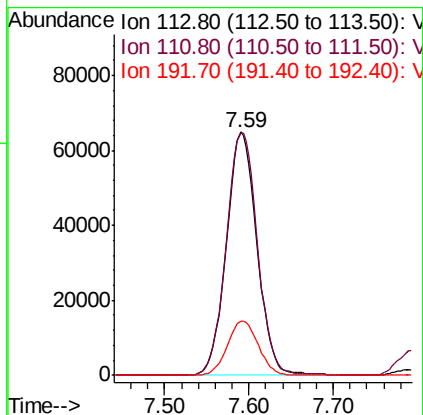
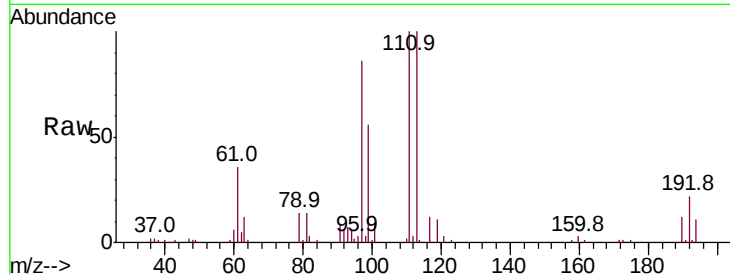
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	163595
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.8	122.6
192	22.5	17.5	26.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.022 ug/l

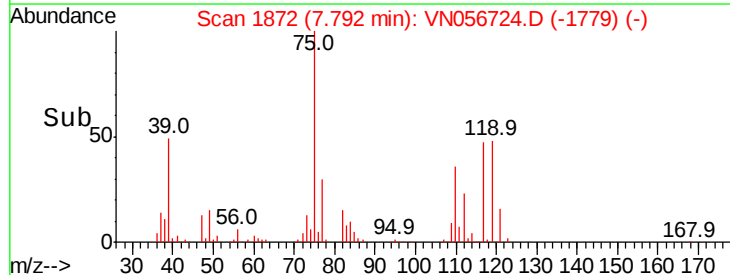
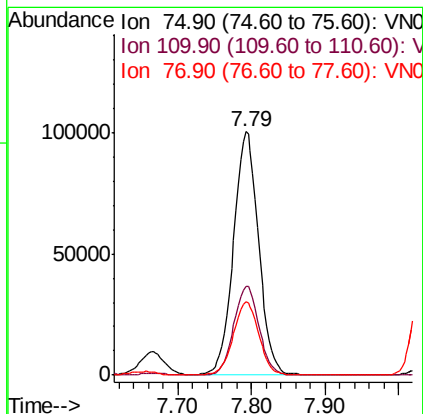
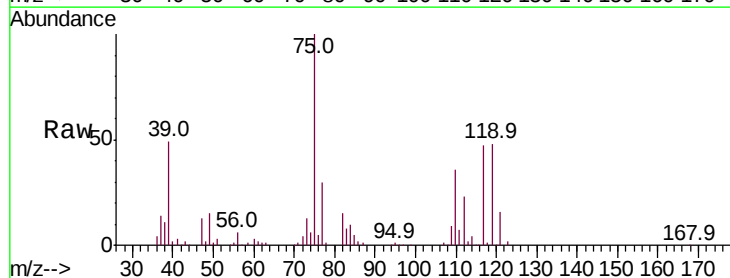
RT: 7.79 min Scan# 1872

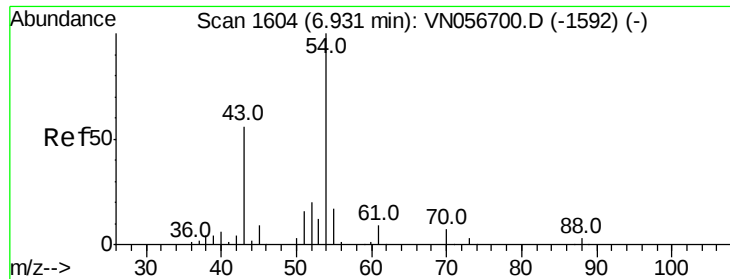
Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Tgt Ion:	75	Resp:	238613
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.4	55.4
77	30.7	24.6	36.8





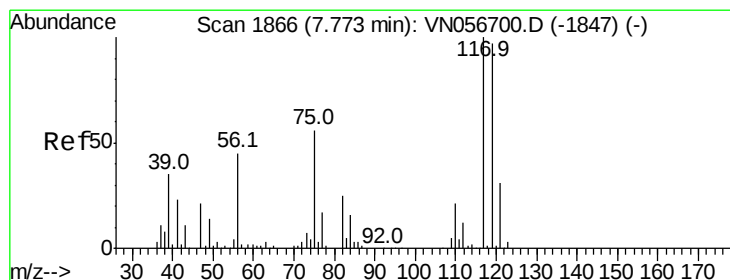
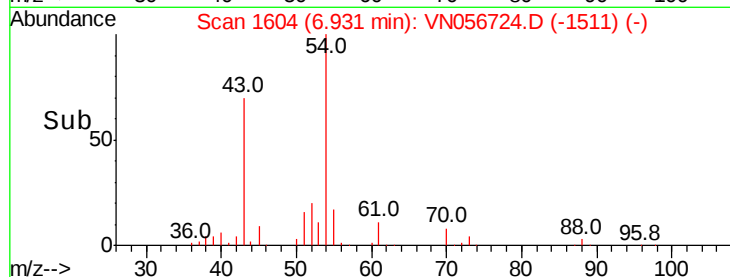
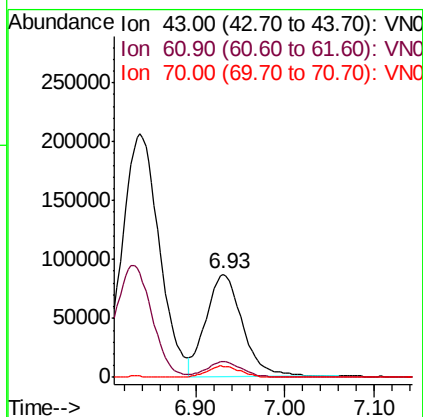
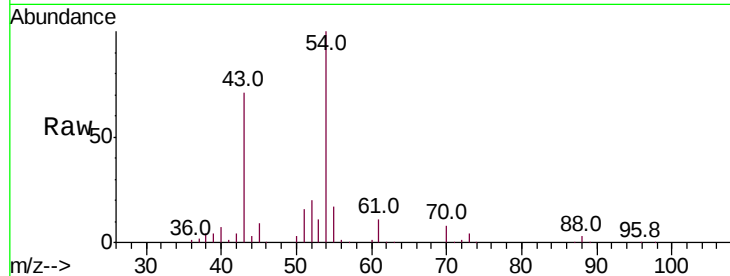
#37
Ethyl Acetate
Concen: 51.422 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	10.2	8.5	12.7

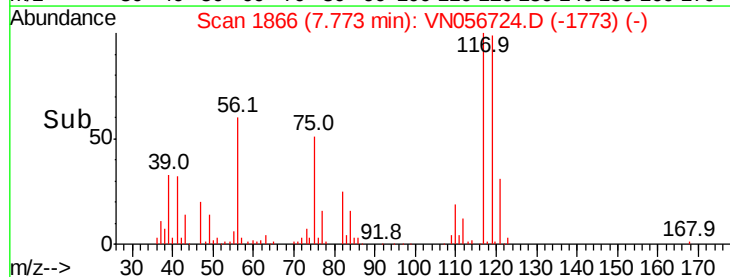
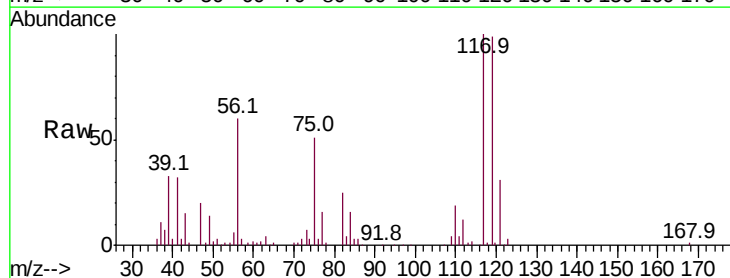
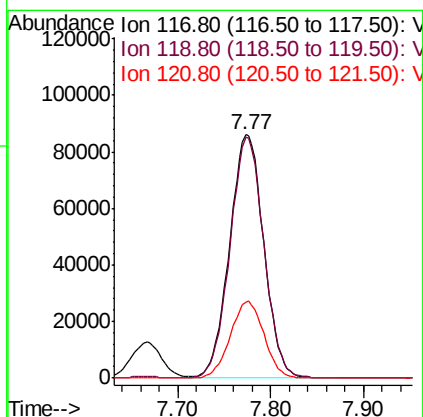
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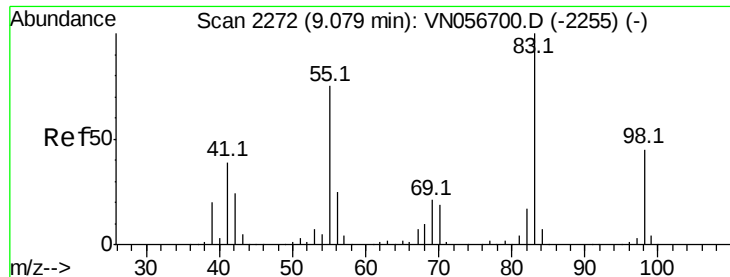
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#38
Carbon Tetrachloride
Concen: 48.342 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.5	116.3
121	31.4	24.7	37.1





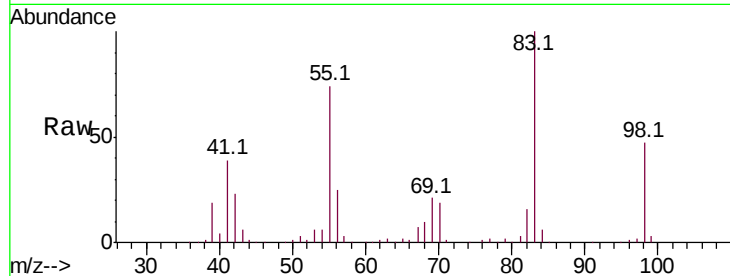
#39
Methvlcvclohexane
Concen: 48.582 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	291989		
55	74.0		60.4	90.6
98	47.3		35.8	53.8

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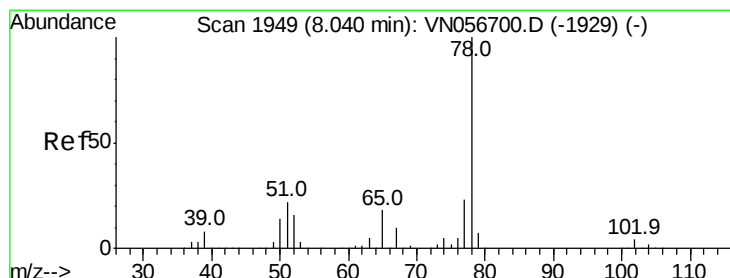
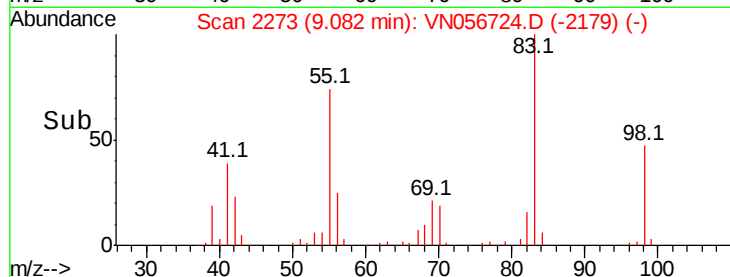
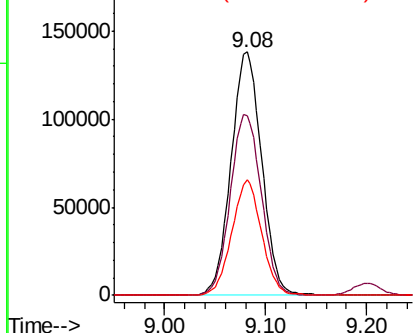


Abundance

Ion 83.00 (82.70 to 83.70): VN0

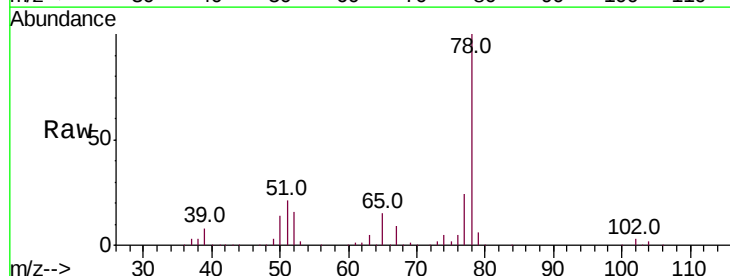
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 48.390 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

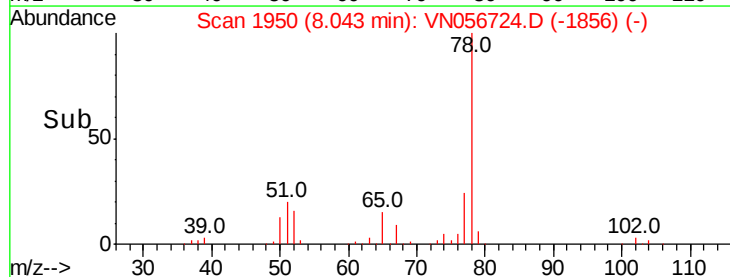
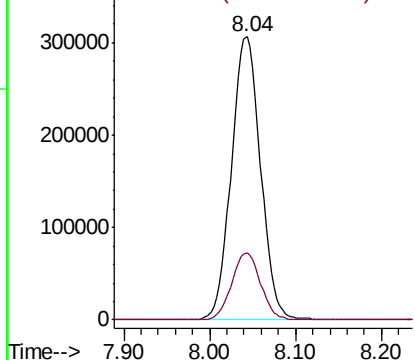
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	721699		
77	23.7		18.6	27.8

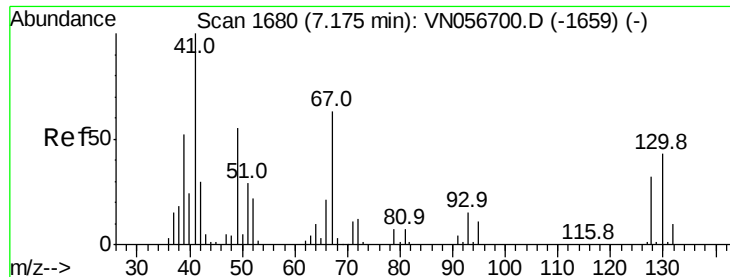


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





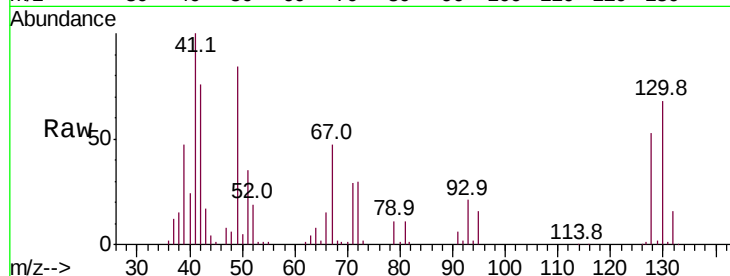
#41
Methacrylonitrile
Concen: 56.487 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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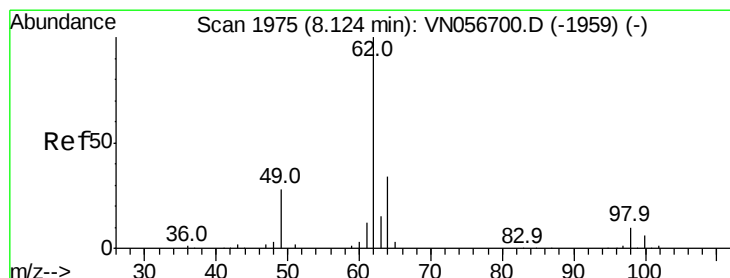
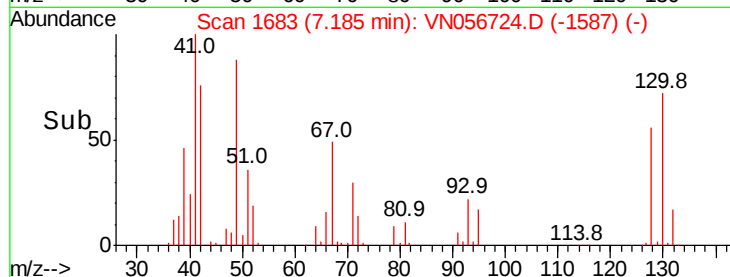
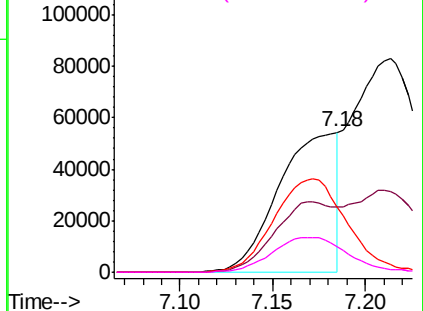
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

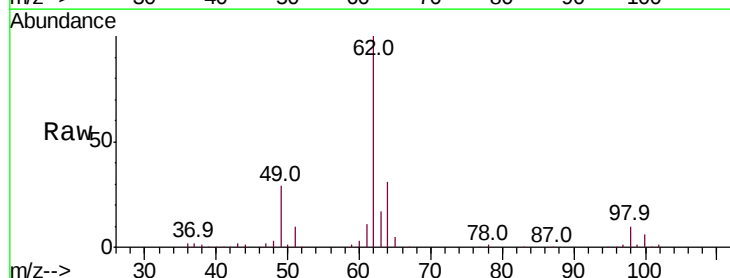
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 48.843 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

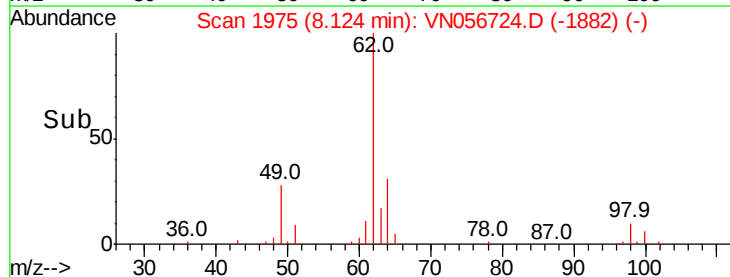
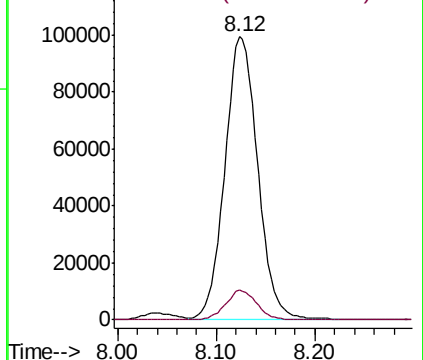
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8

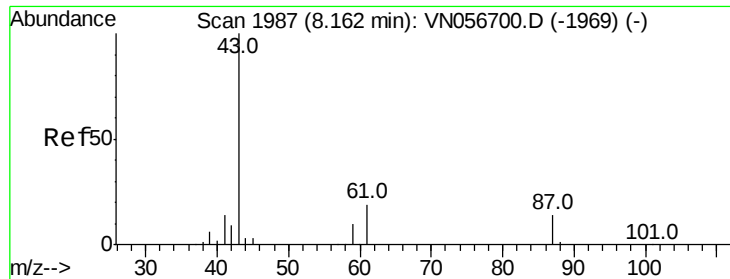


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.472 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

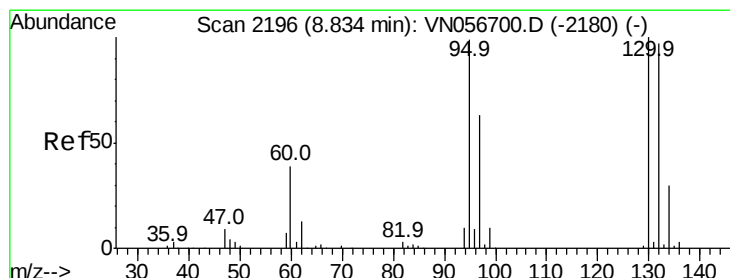
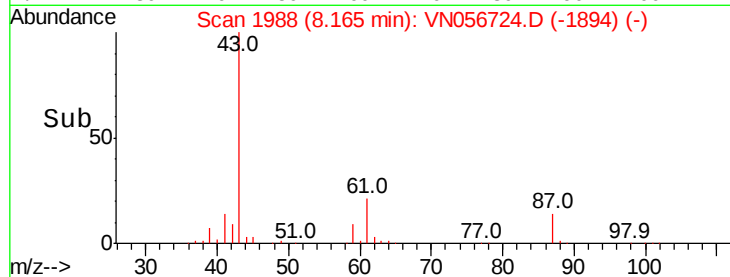
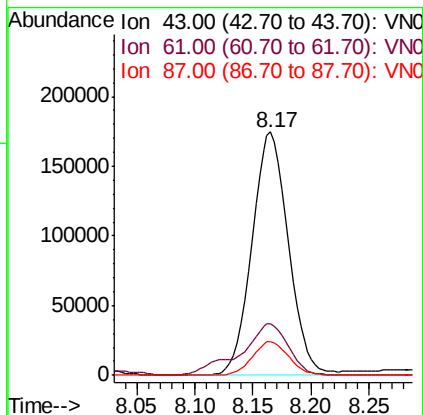
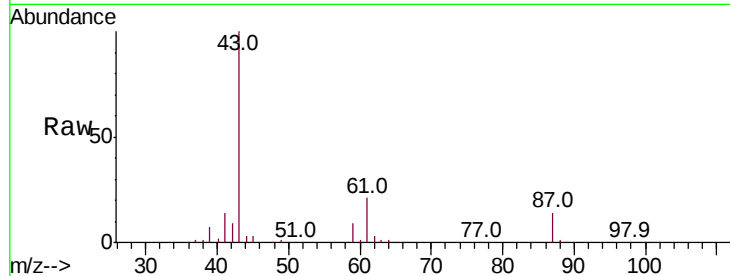
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	380656
Ion Ratio	Lower	Upper	
43	100		
61	27.7	22.3	33.5
87	13.8	11.1	16.7

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#44

Trichloroethene

Concen: 48.490 ug/l

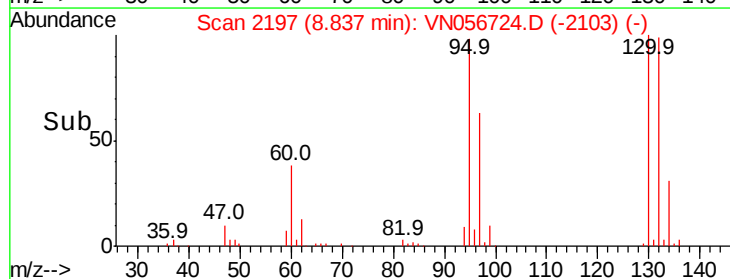
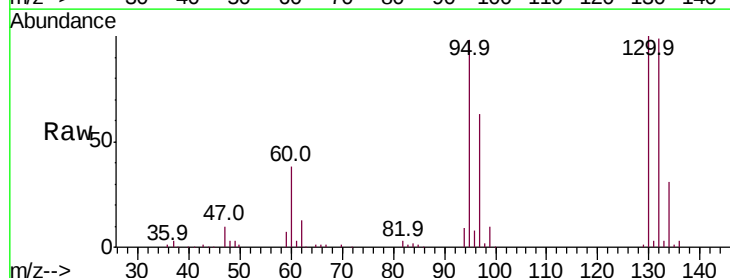
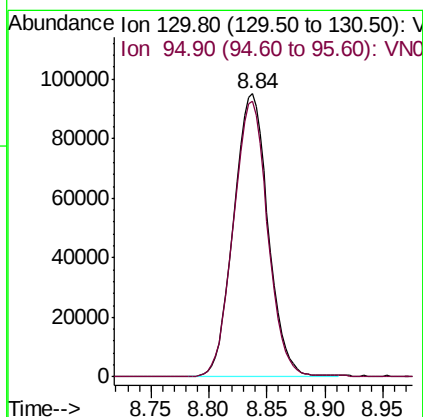
RT: 8.84 min Scan# 2197

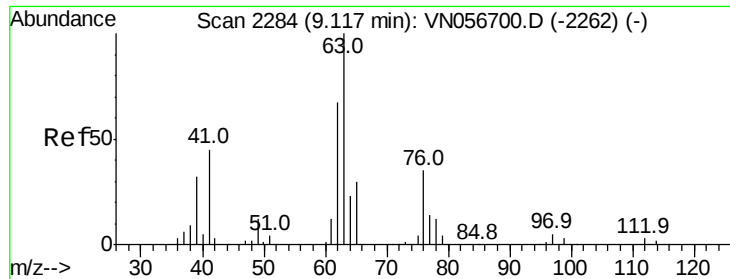
Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Tgt Ion:	130	Resp:	196386
Ion Ratio	Lower	Upper	
130	100		
95	97.5	0.0	197.2





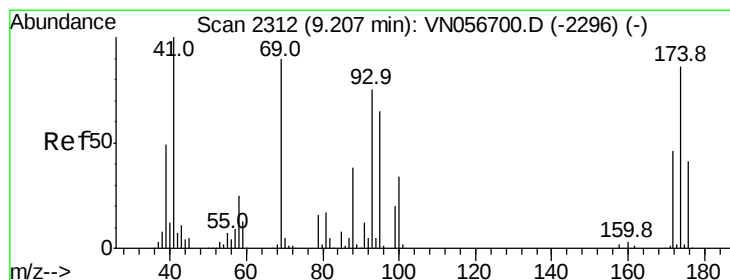
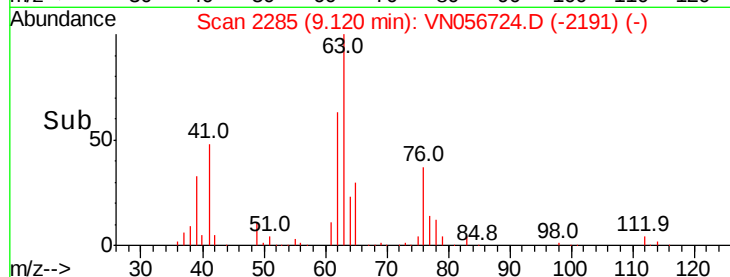
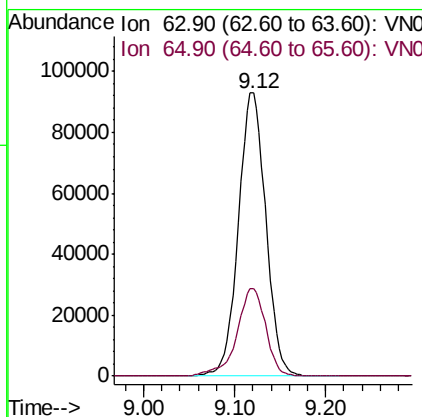
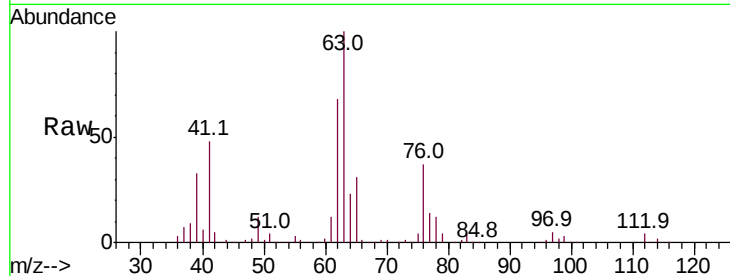
#45
 1,2-Dichloropropane
 Concen: 49.095 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.0	36.0

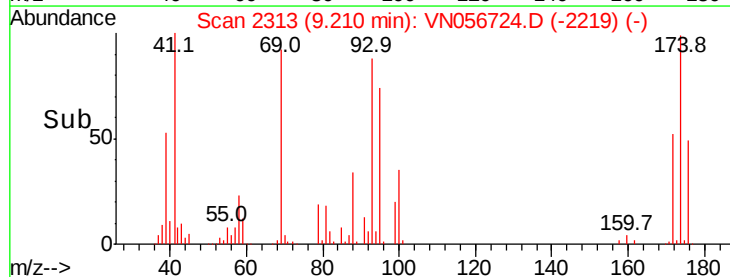
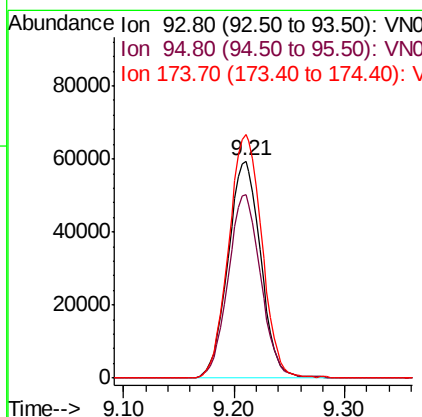
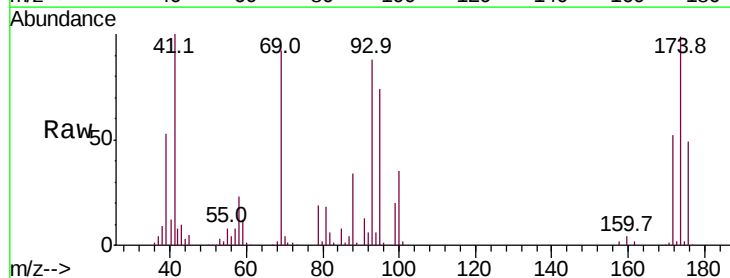
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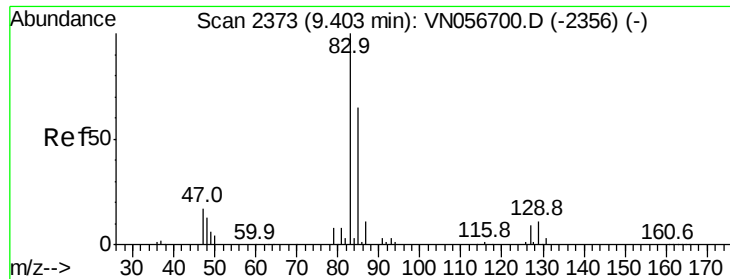
MMDadoda
 7/17/2019 1:31:43 AM



#46
 Dibromomethane
 Concen: 49.708 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.4	101.0
174	114.0	90.3	135.5





#47

Bromodichloromethane

Concen: 50.622 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

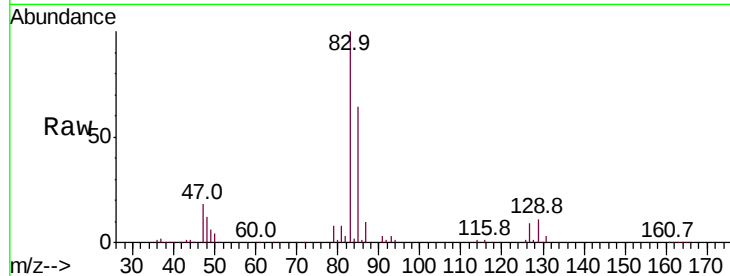
ClientSampleId :

VSTDCCC050EC

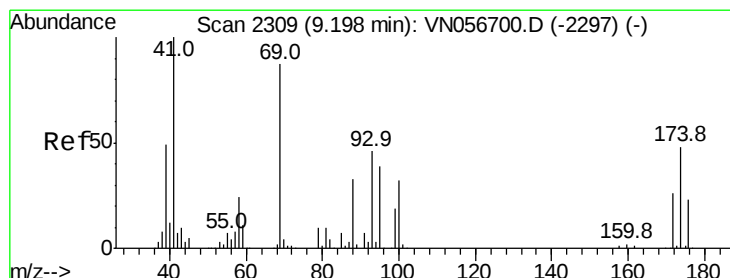
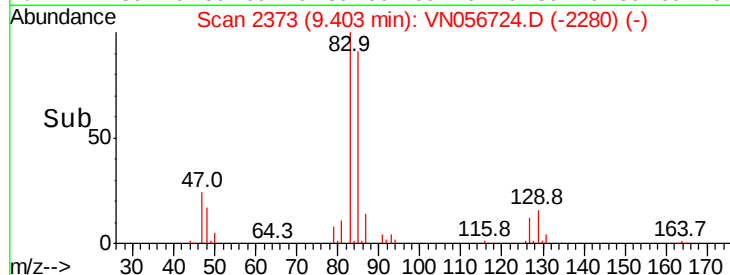
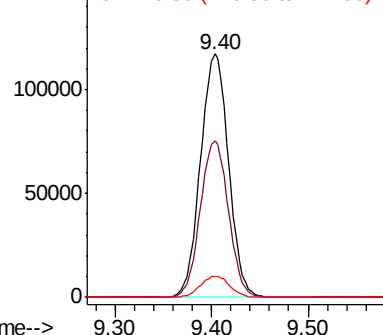
Tot Ion:	83	Resp:	236242
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.3	78.5
127	8.8	7.6	11.4

Manual Integrations
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MMDadoda
7/17/2019 1:31:43 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056724.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.222 ug/l

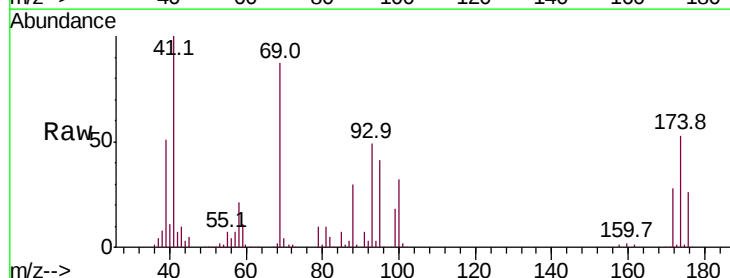
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

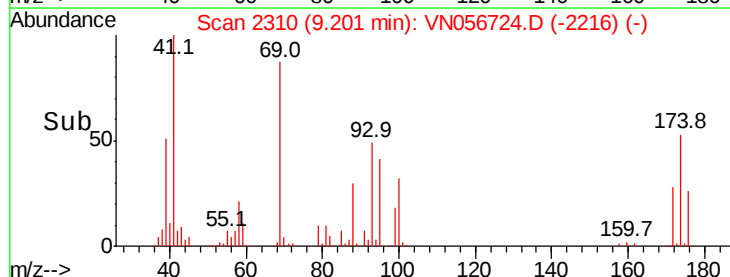
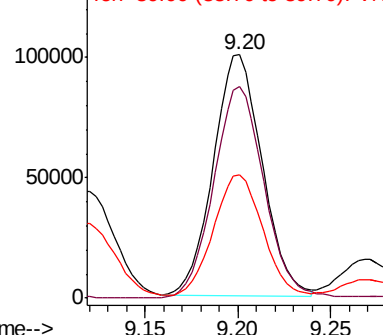
Lab File: VN056724.D

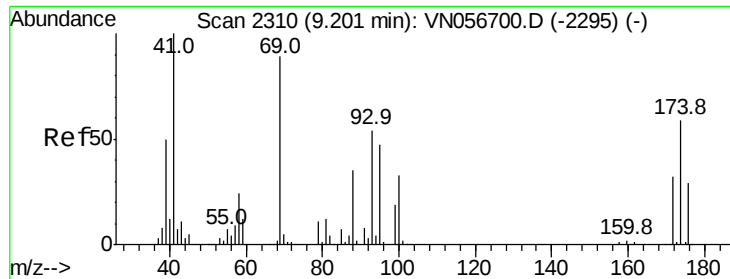
Acq: 15 Jul 2019 19:55

Tgt Ion:	41	Resp:	183179
Ion Ratio	Lower	Upper	
41	100		
69	91.5	71.4	107.0
39	52.6	41.2	61.8



Abundance Ion 41.00 (40.70 to 41.70): VN056724.D (-2216) (-)





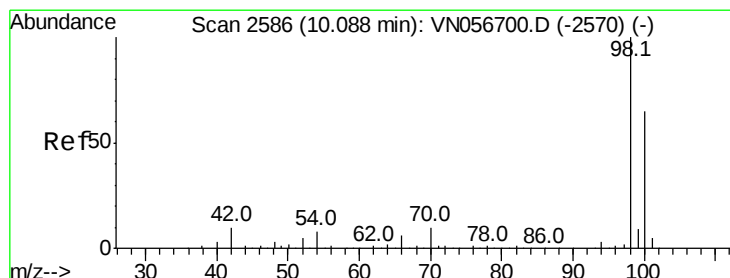
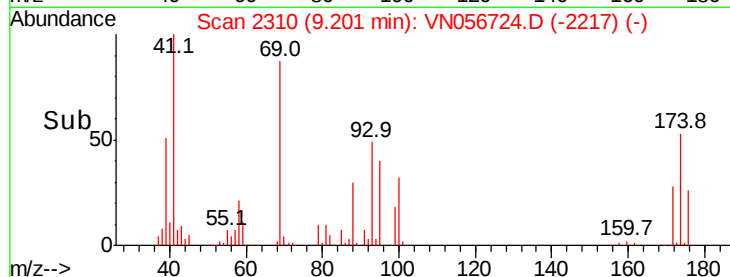
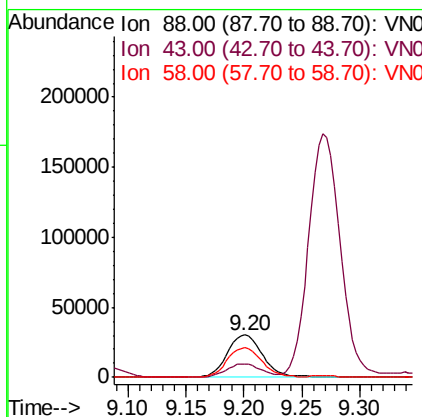
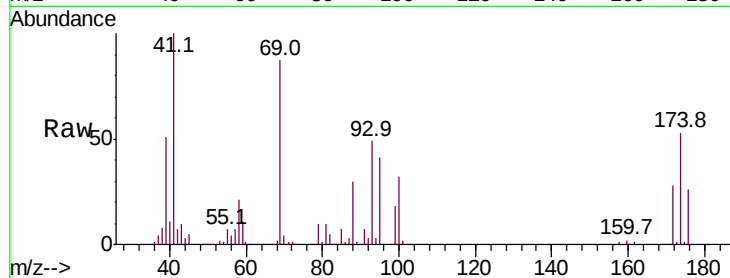
#49
1,4-Dioxane
Concen: 862.147 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	64523
Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.7	35.5
58	69.1	55.6	83.4

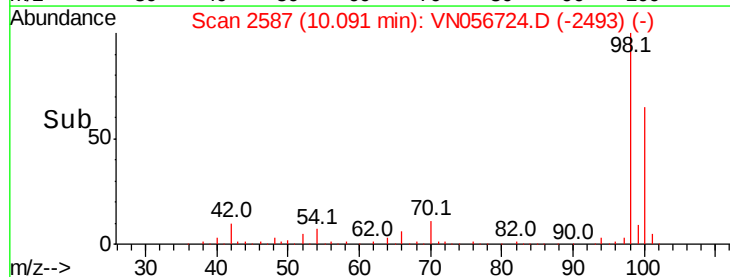
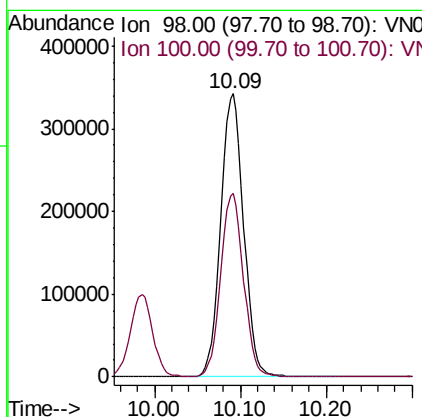
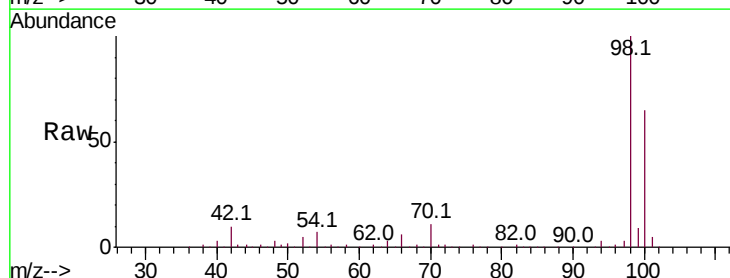
Manual Integrations
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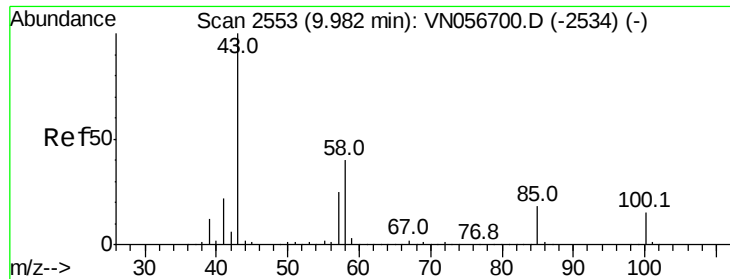
MMDadoda
7/17/2019 1:31:43 AM



#50
Toluene-d8
Concen: 50.193 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	98	Resp	634579
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 247.759 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1210244

Ion Ratio Lower Upper

43 100

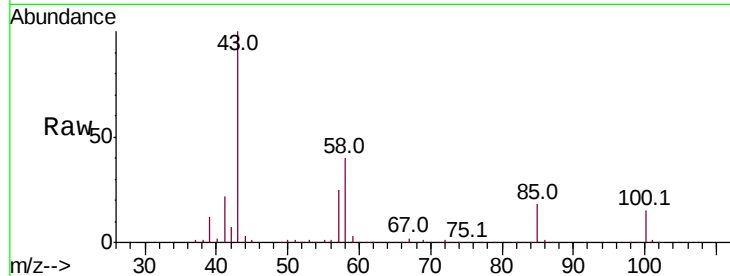
58 40.0 32.0 48.0

Manual Integrations

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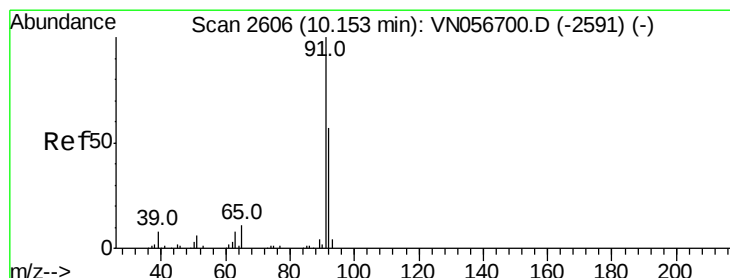
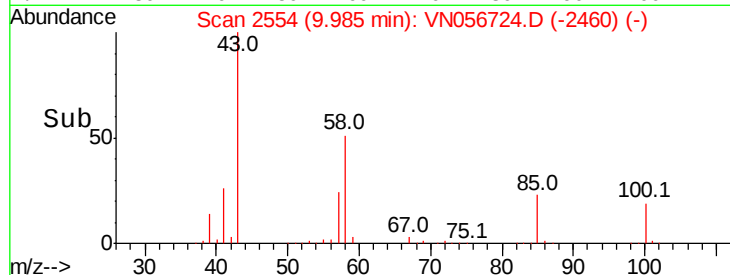
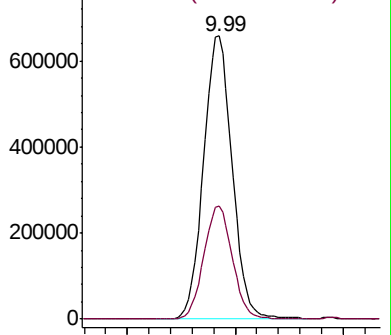
MMDadoda

7/17/2019 1:31:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.222 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056724.D

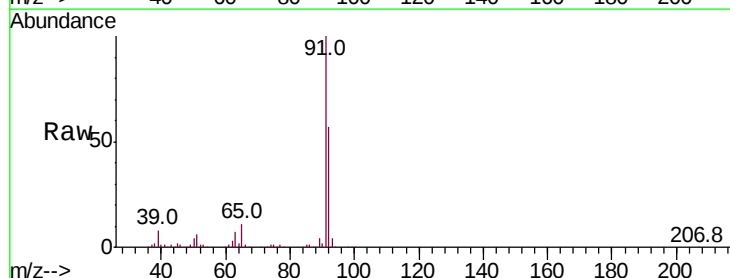
Acq: 15 Jul 2019 19:55

Tgt Ion: 92 Resp: 444830

Ion Ratio Lower Upper

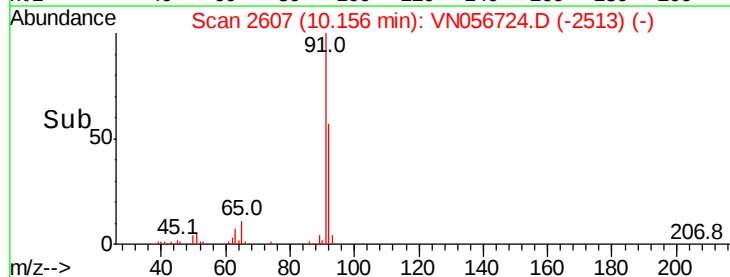
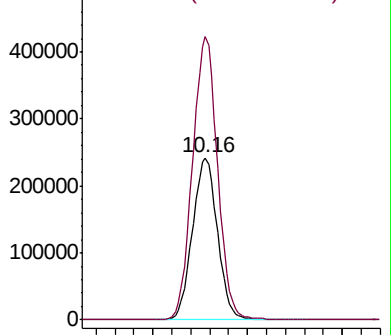
92 100

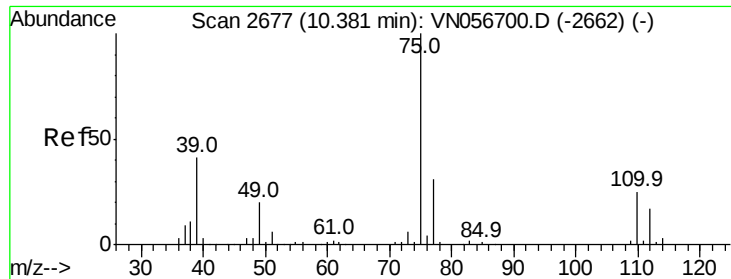
91 174.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





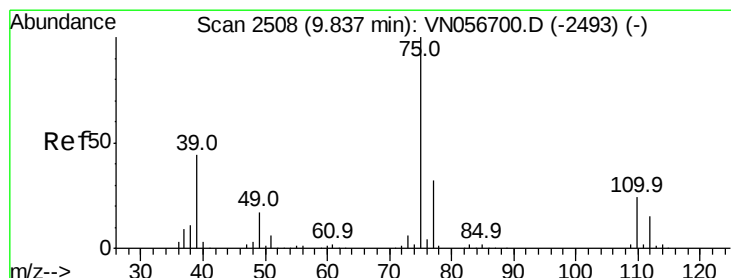
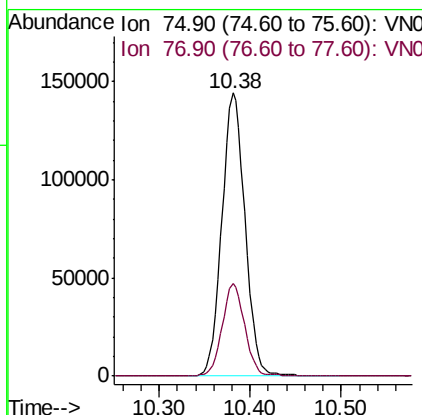
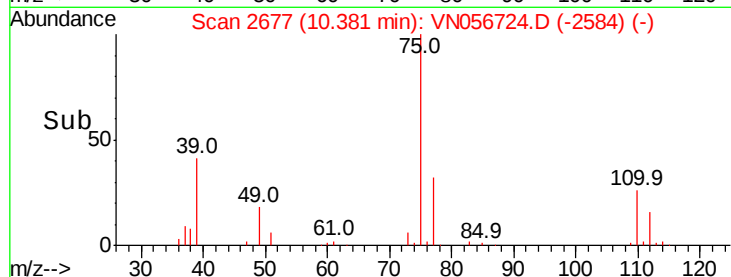
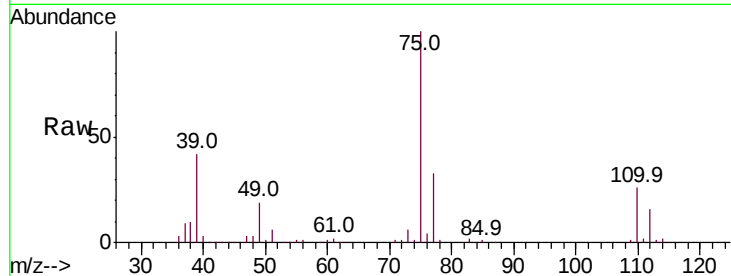
#53
t-1,3-Dichloropropene
Concen: 52.432 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 255285
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6

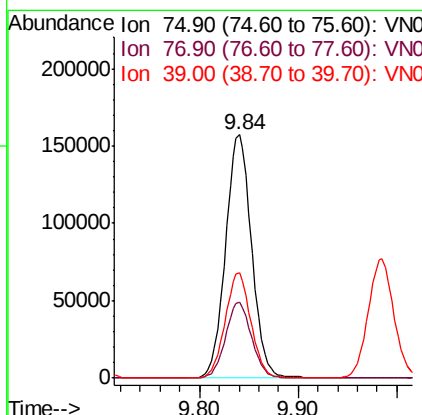
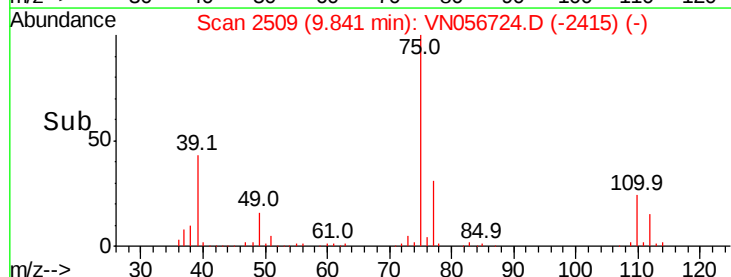
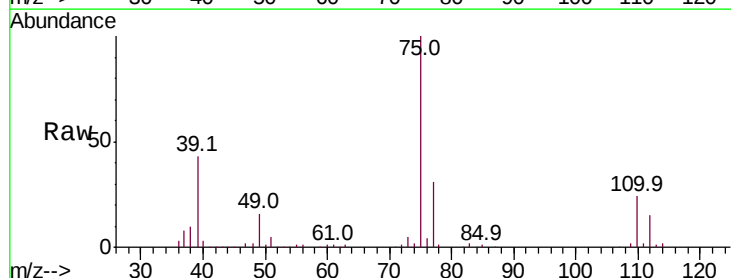
Manual Integrations
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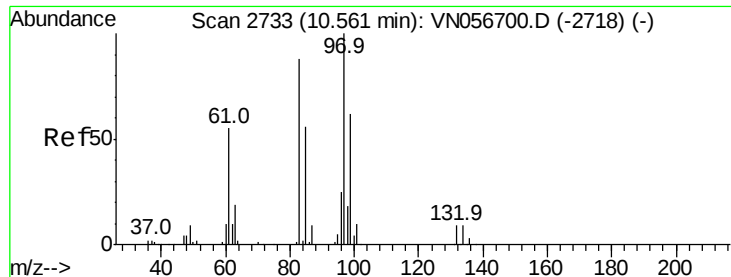
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.563 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion: 75 Resp: 291331
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0
39 43.1 35.1 52.7





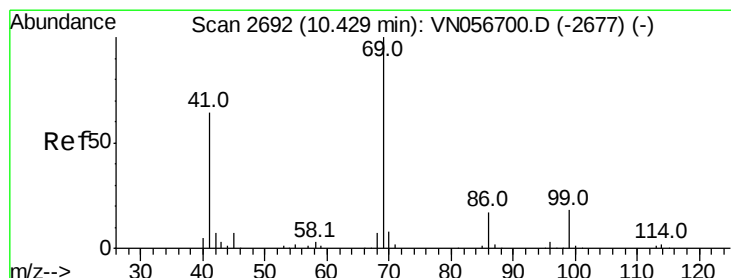
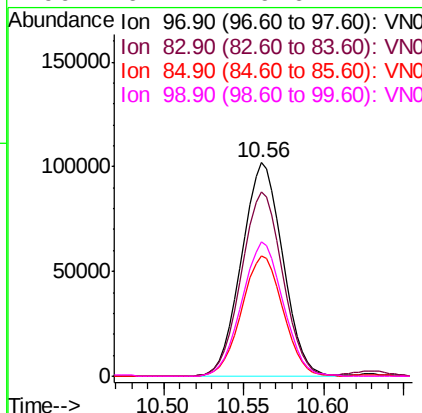
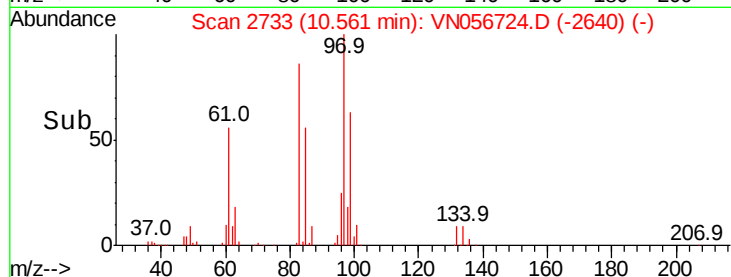
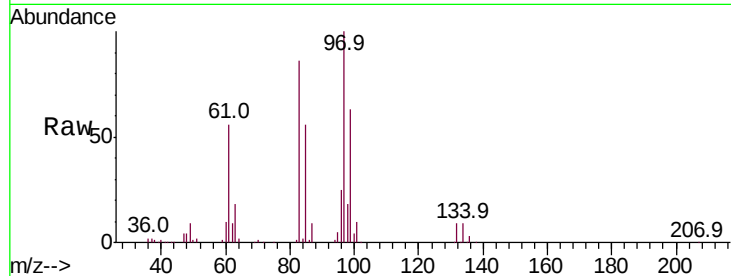
#55
 1,1,2-Trichloroethane
 Concen: 48.337 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.3	105.5
85	56.3	44.8	67.2
99	62.7	49.6	74.4

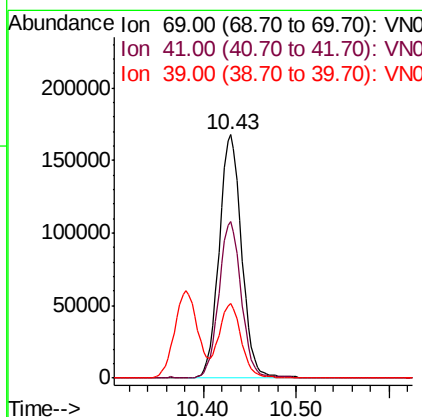
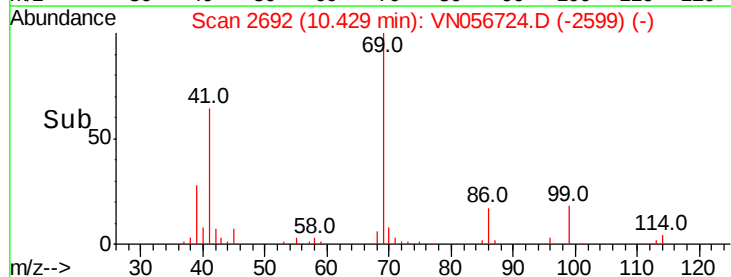
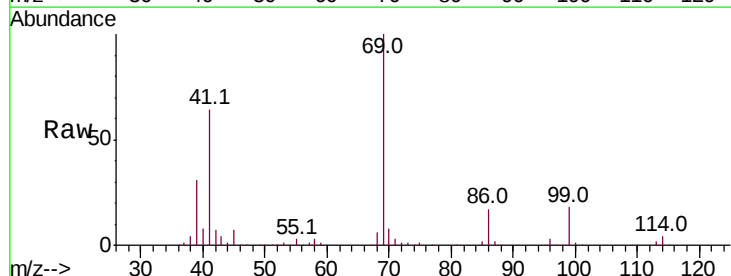
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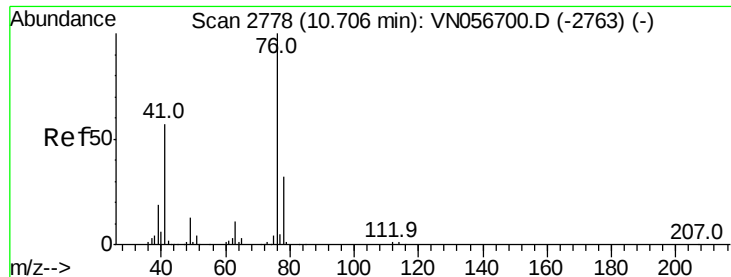
MMDadoda
 7/17/2019 1:31:43 AM



#56
 Ethyl methacrylate
 Concen: 52.785 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	29.5	24.6	36.8





#57

1,3-Dichloropropane

Concen: 49.423 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 299879

Ion Ratio Lower Upper

76 100

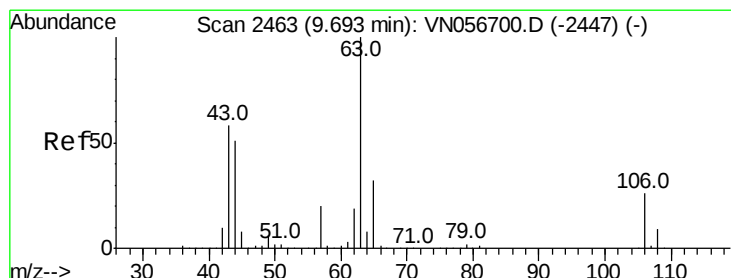
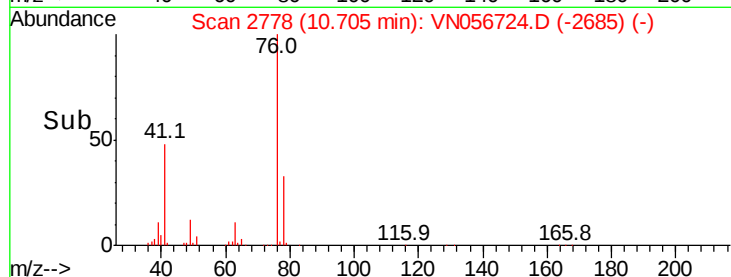
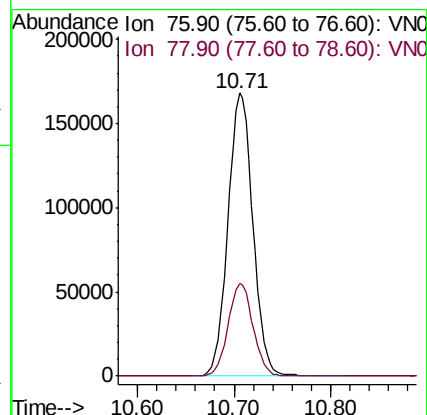
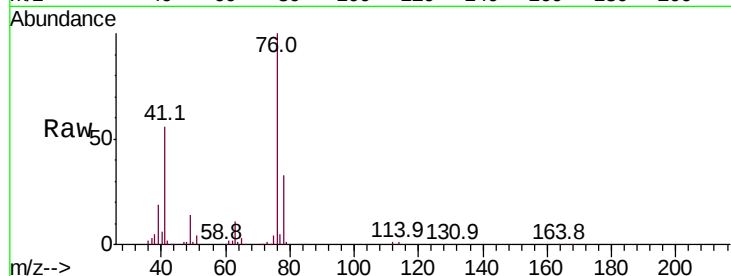
78 32.8 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 250.912 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056724.D

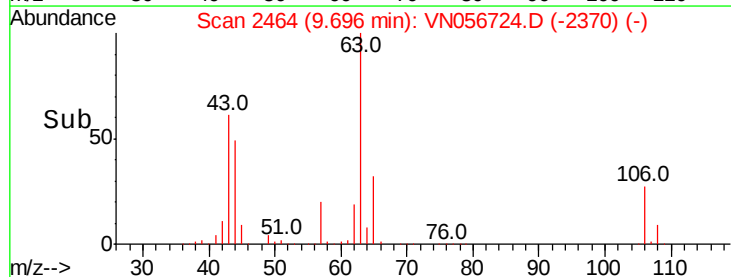
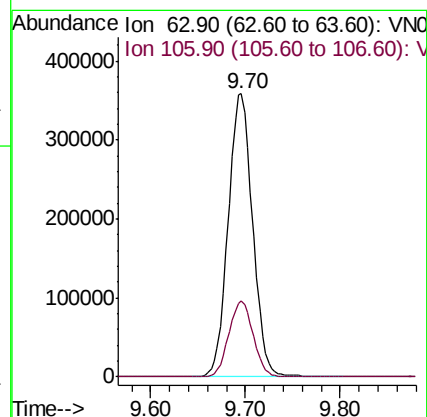
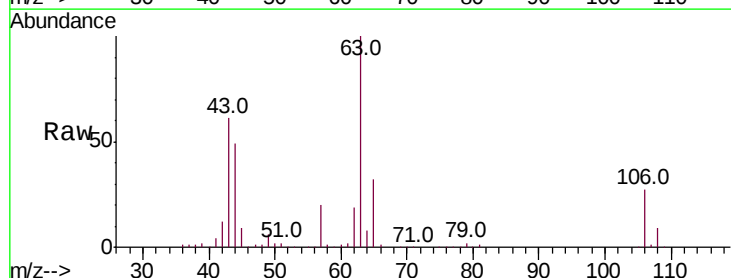
Acq: 15 Jul 2019 19:55

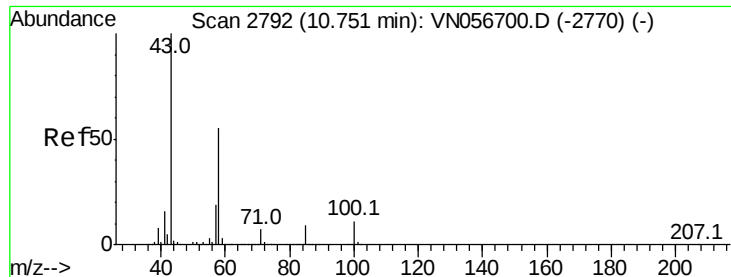
Tgt Ion: 63 Resp: 644959

Ion Ratio Lower Upper

63 100

106 26.7 21.2 31.8





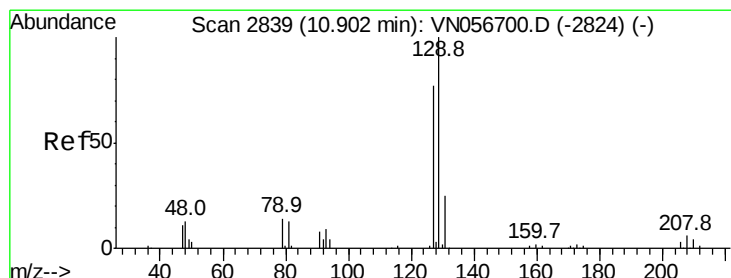
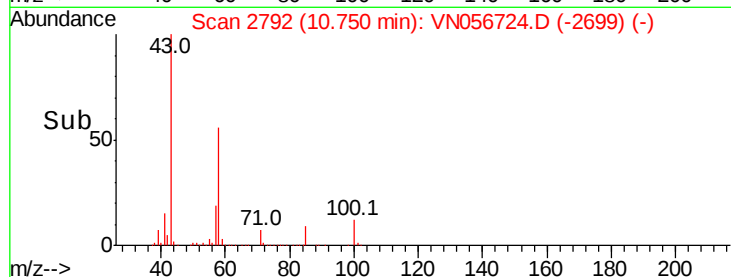
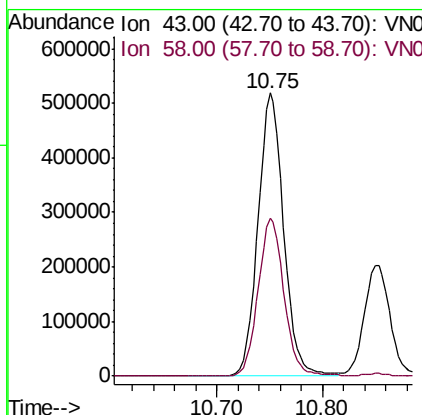
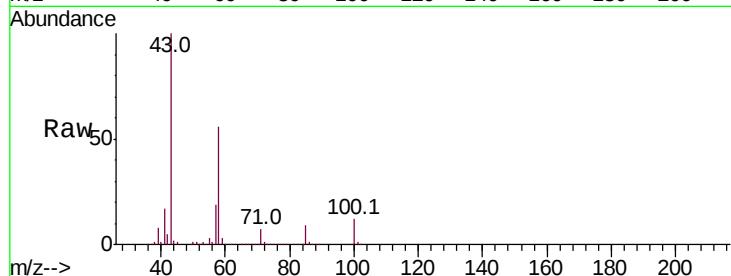
#59
2-Hexanone
Concen: 250.789 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	100	Resp	879014	Lower	Upper
	43	58	100	56.4		27.9	83.6	

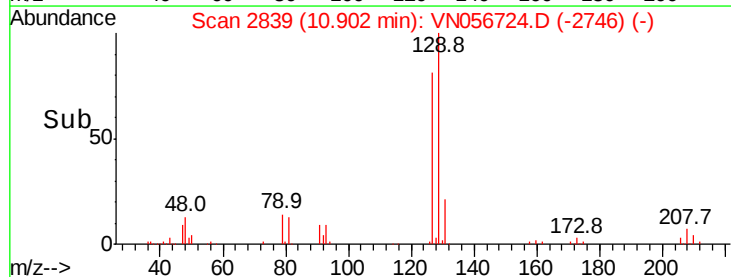
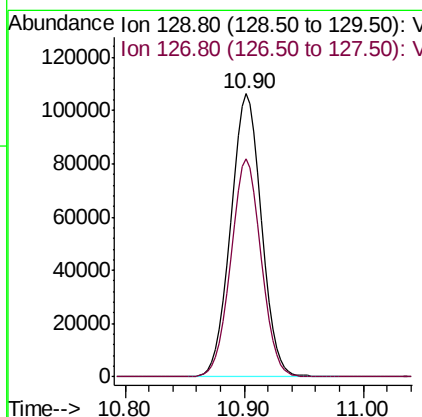
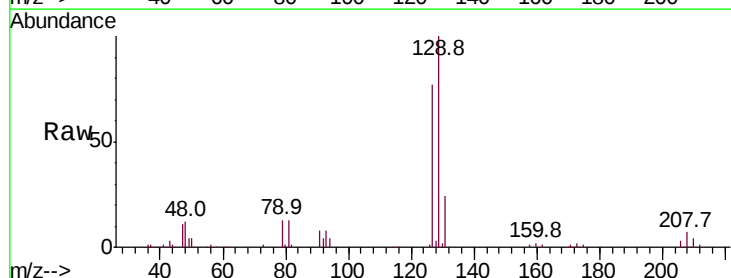
Manual Integrations
APPROVED

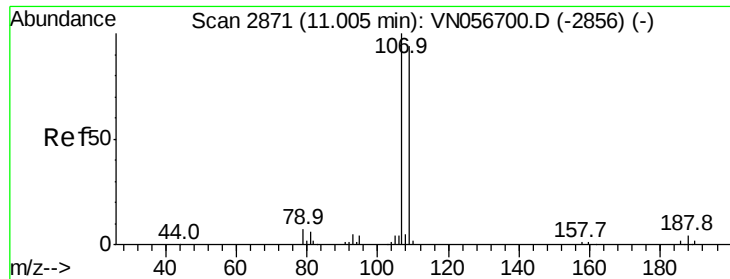
MMDadoda
7/17/2019 1:31:43 AM



#60
Dibromochloromethane
Concen: 52.056 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	129	127	Ratio	100	Resp	190195	Lower	Upper
	129	127	100	75.9		38.2	114.6	





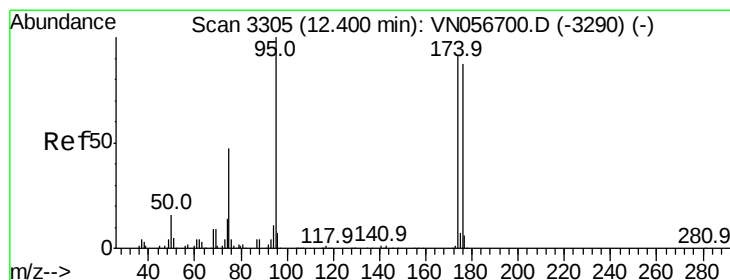
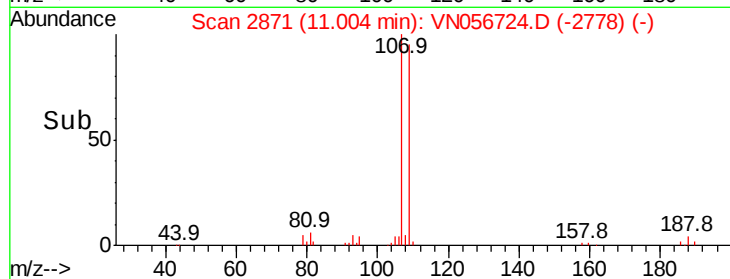
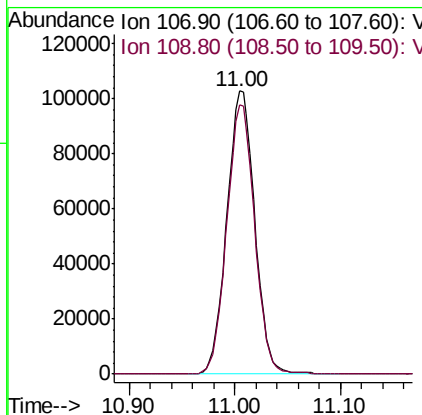
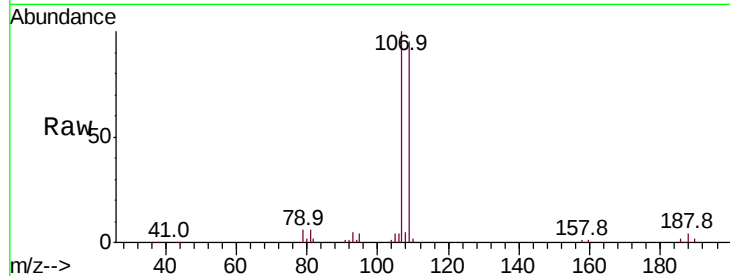
#61
 1,2-Dibromoethane
 Concen: 50.888 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.2	114.4

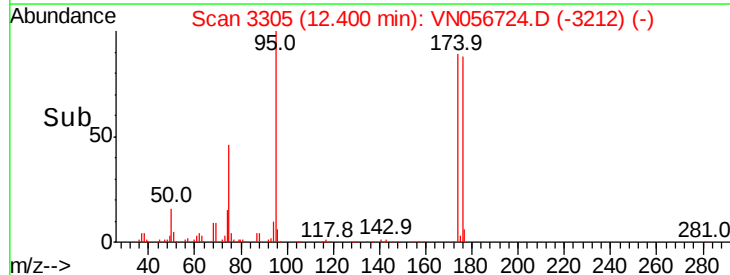
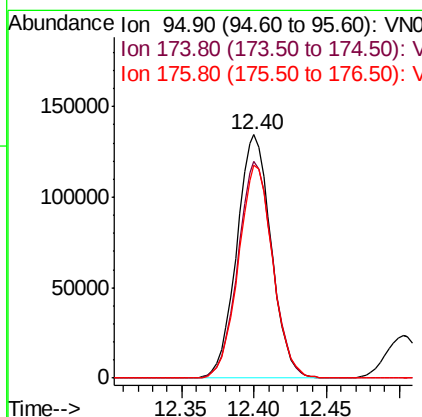
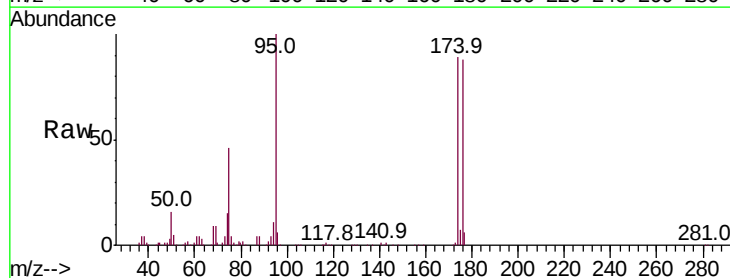
Manual Integrations
 APPROVED

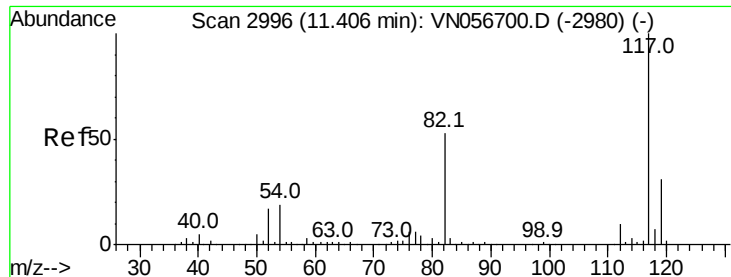
MMDadoda
 7/17/2019 1:31:43 AM



#62
 4-Bromofluorobenzene
 Concen: 51.936 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	180.0
176	87.4	0.0	173.2





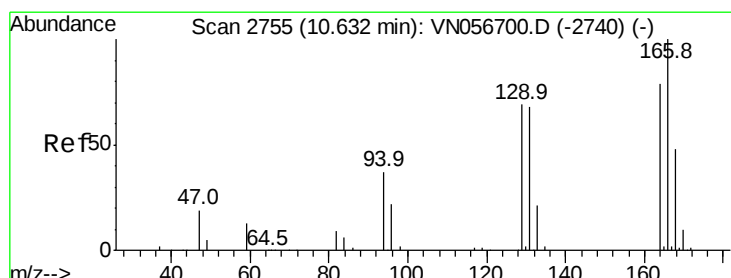
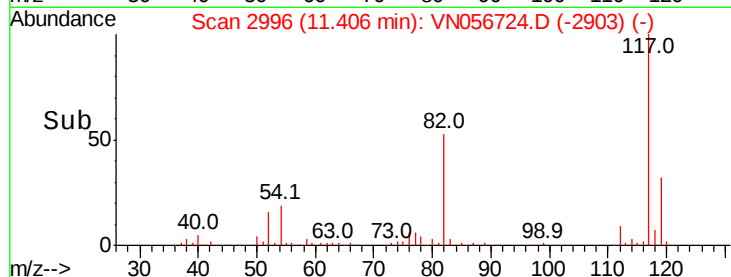
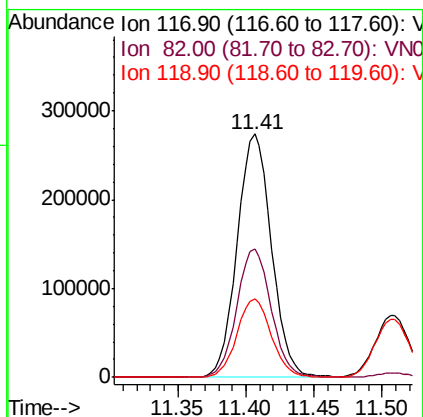
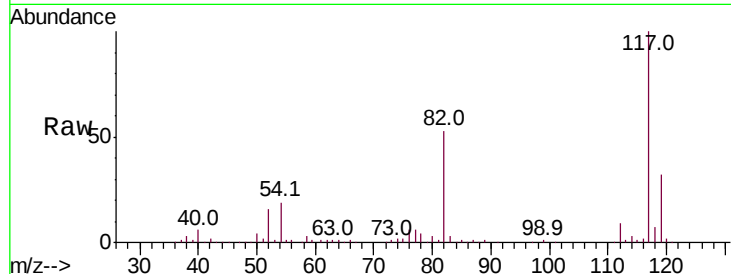
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.2
119	32.3	25.2	37.8

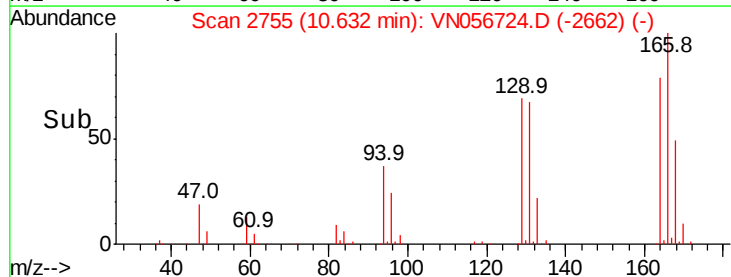
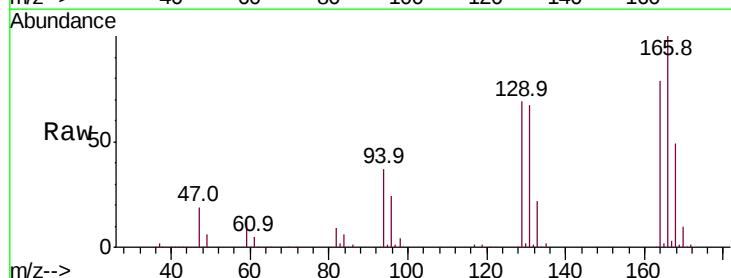
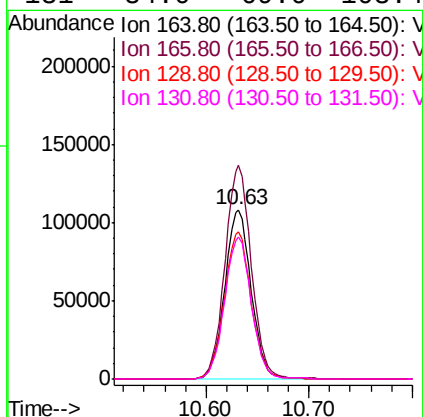
Manual Integrations
APPROVED

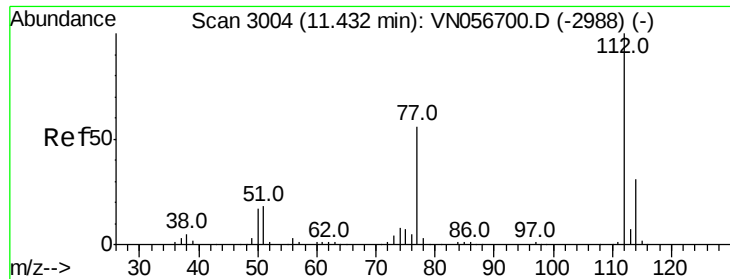
MMDadoda
7/17/2019 1:31:43 AM



#64
Tetrachloroethene
Concen: 46.659 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.4	152.2
129	86.9	69.6	104.4
131	84.0	69.0	103.4





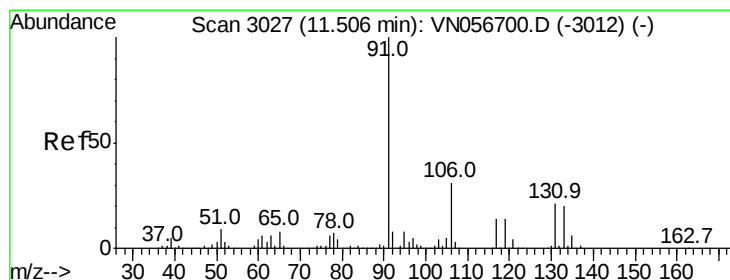
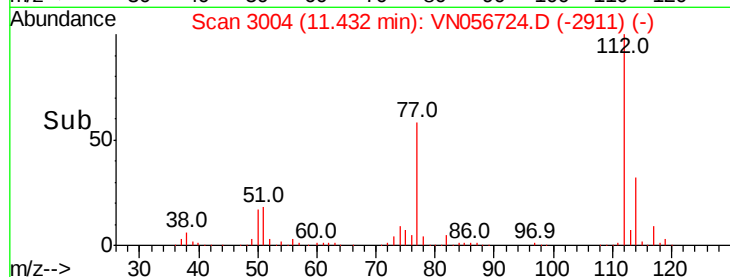
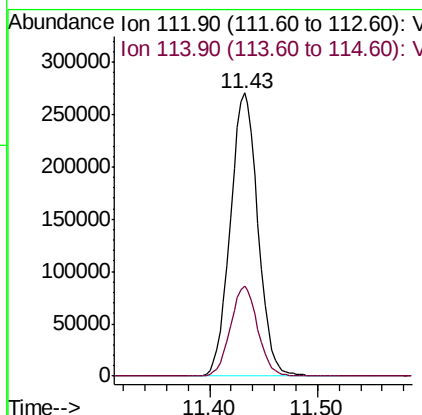
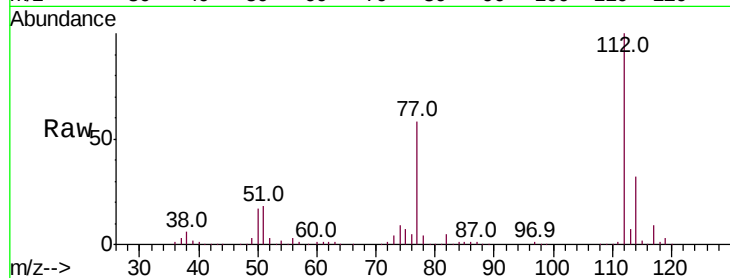
#65
Chlorobenzene
Concen: 49.349 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 482509
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

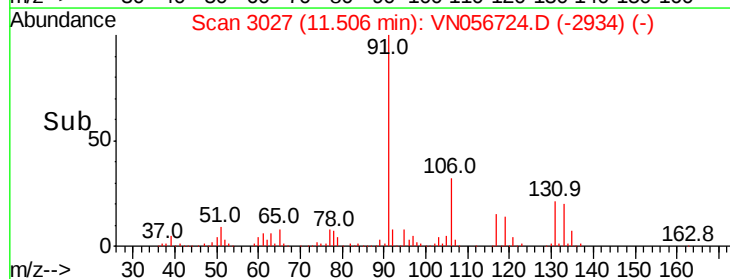
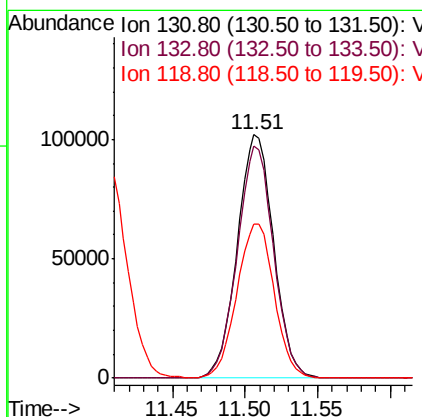
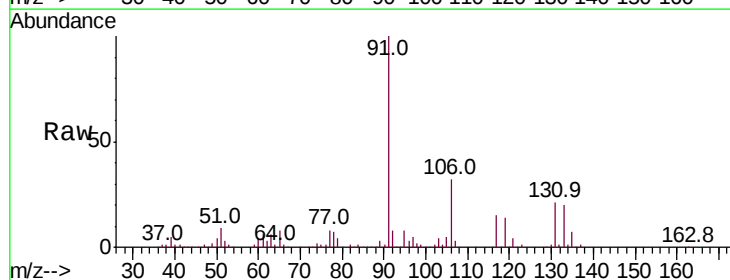
Manual Integrations
APPROVED

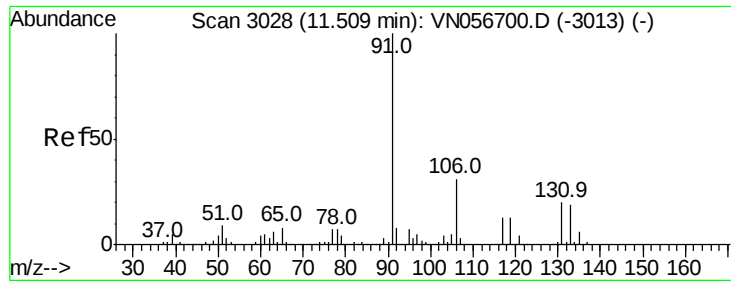
MMDadoda
7/17/2019 1:31:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.284 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion:131 Resp: 177421
Ion Ratio Lower Upper
131 100
133 95.1 46.9 140.7
119 65.3 32.8 98.3





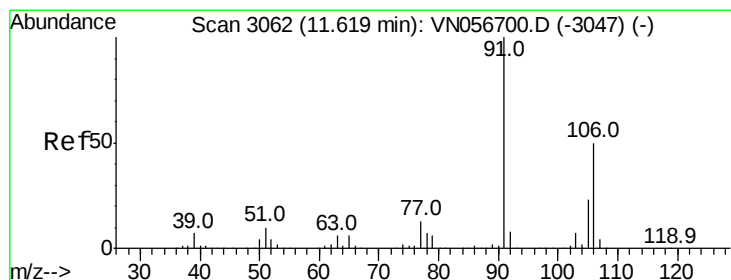
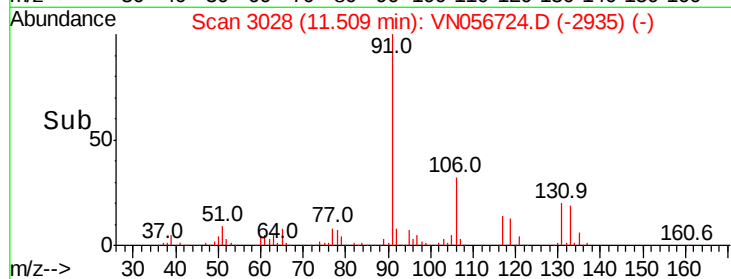
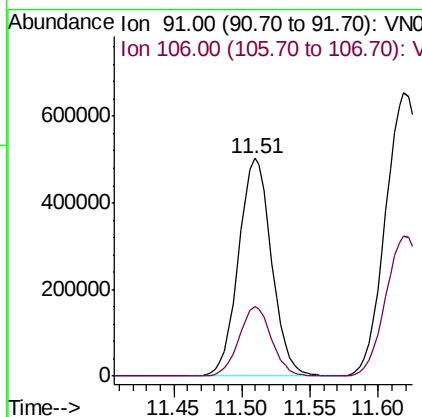
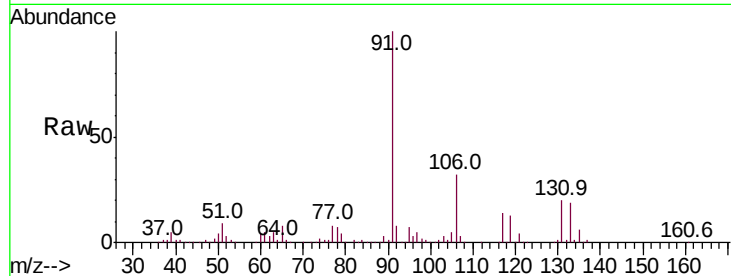
#67
Ethyl Benzene
Concen: 49.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 846466
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2

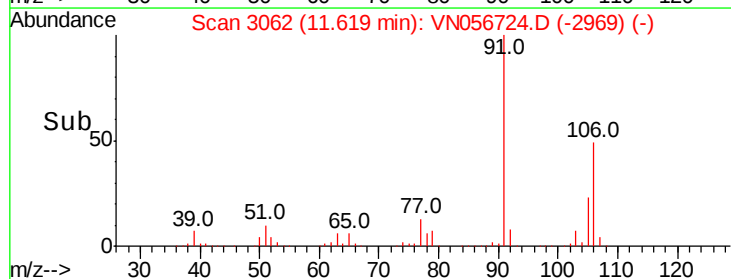
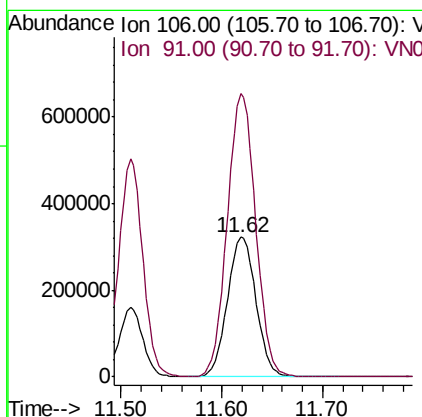
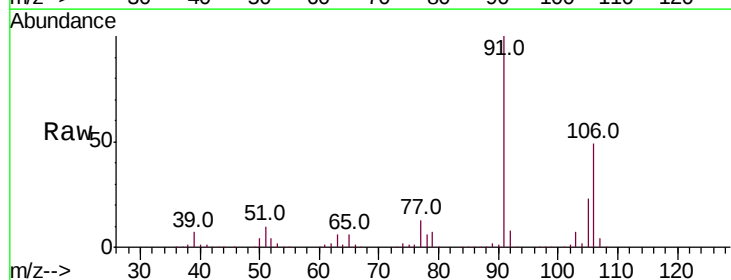
Manual Integrations
APPROVED

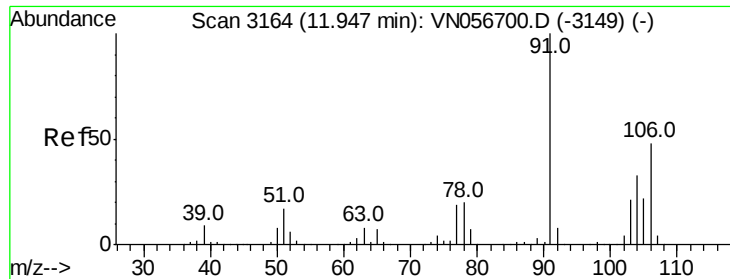
MMDadoda
7/17/2019 1:31:43 AM



#68
m/p-Xylenes
Concen: 99.398 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion: 106 Resp: 638306
Ion Ratio Lower Upper
106 100
91 200.9 160.5 240.7





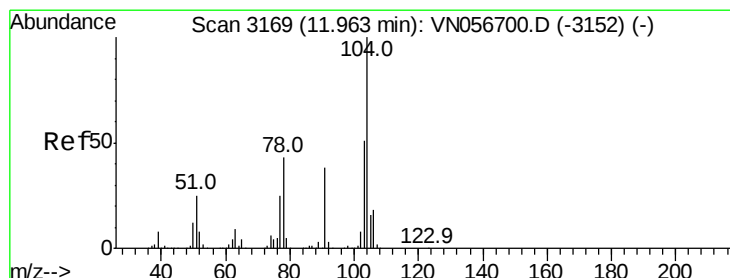
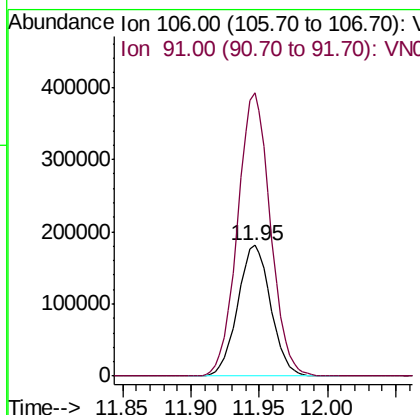
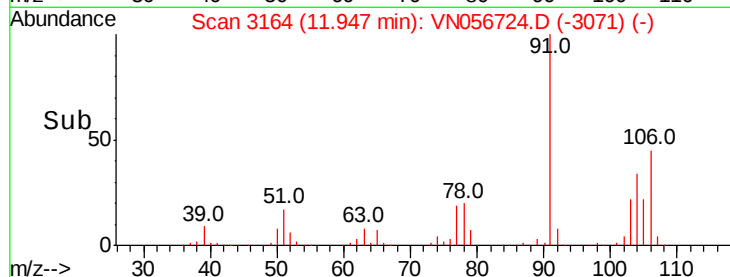
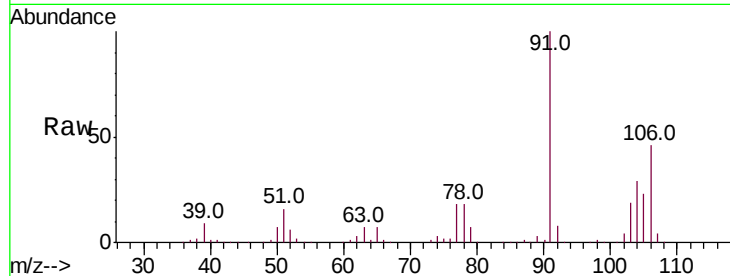
#69
o-Xylene
Concen: 48.216 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 304402
Ion Ratio Lower Upper
106 100
91 215.1 105.6 316.8

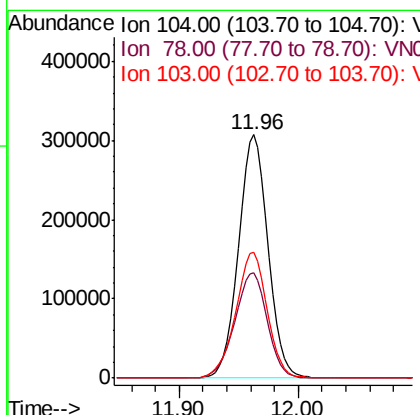
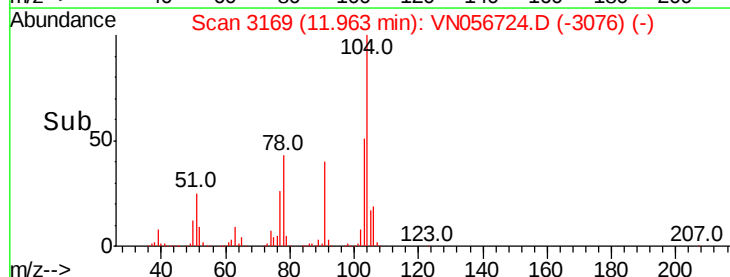
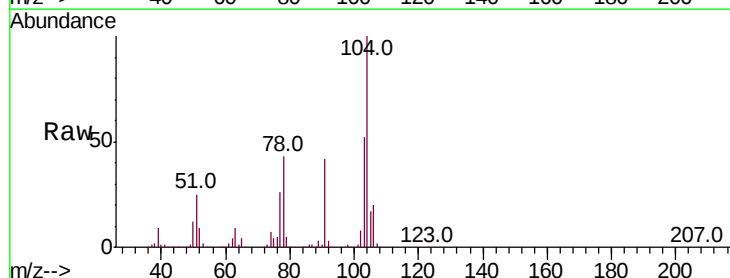
Manual Integrations
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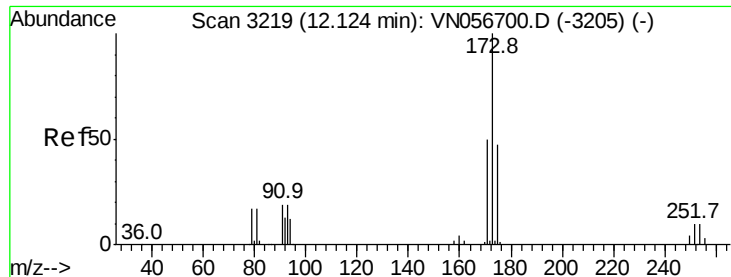
MMDadoda
7/17/2019 1:31:43 AM



#70
Styrene
Concen: 51.644 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion:104 Resp: 527125
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 55.2 44.2 66.4





#71

Bromoform

Concen: 51.228 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 140320

Ion Ratio Lower Upper

173 100

175 49.4 23.8 71.4

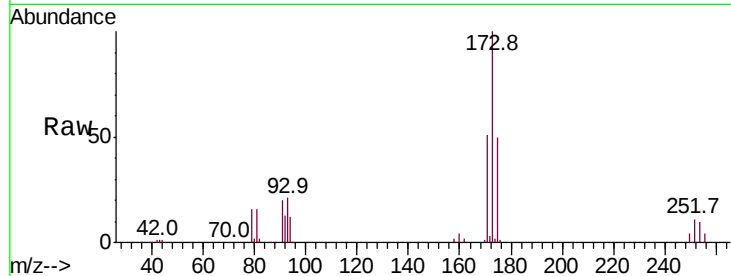
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

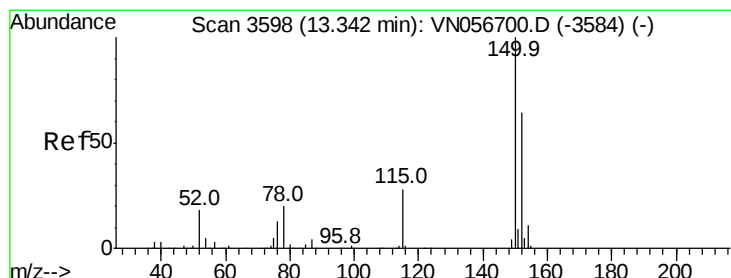
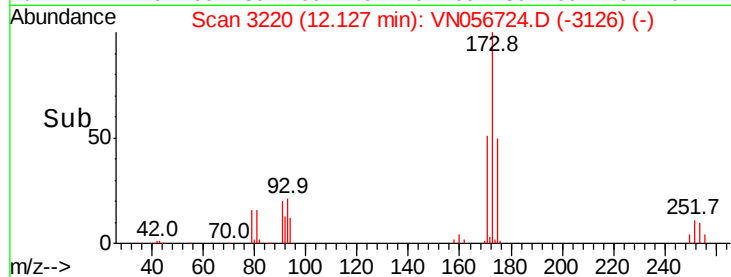
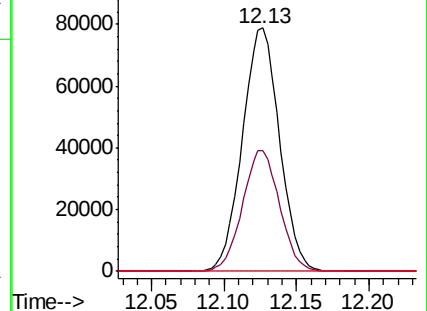
7/17/2019 1:31:43 AM



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: VN056724.D

Acq: 15 Jul 2019 19:55

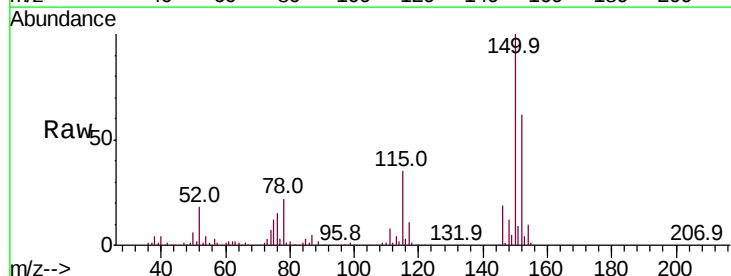
Tgt Ion:152 Resp: 224936

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

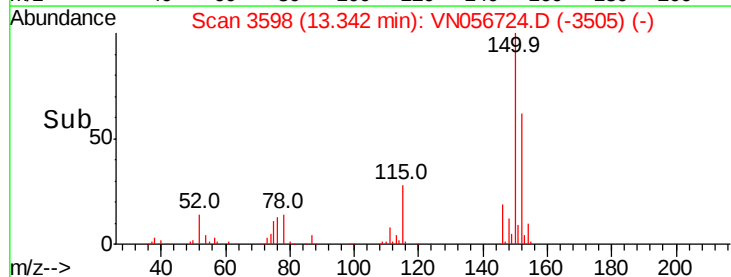
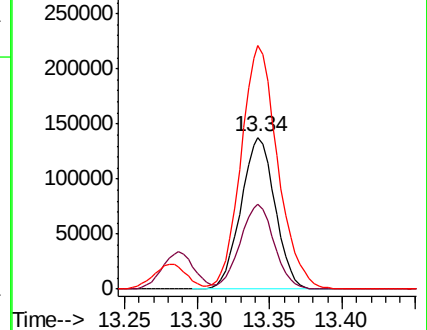
150 172.9 0.0 345.8

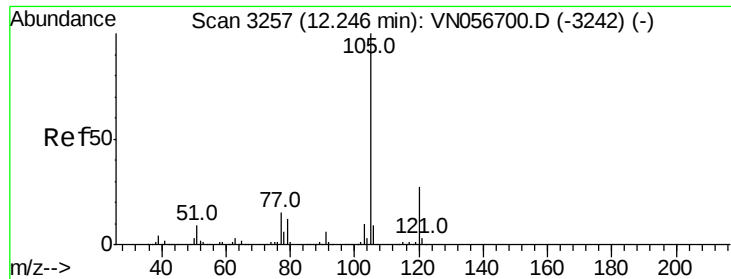


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





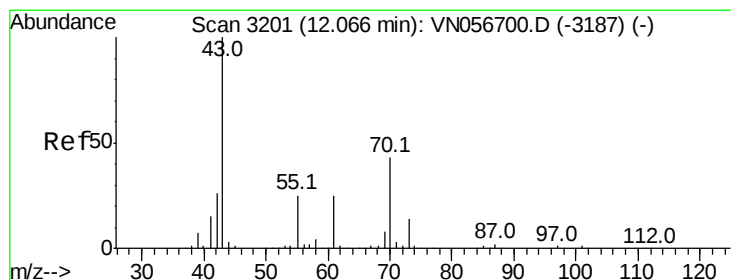
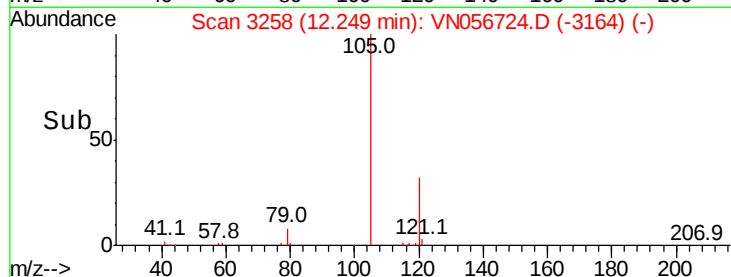
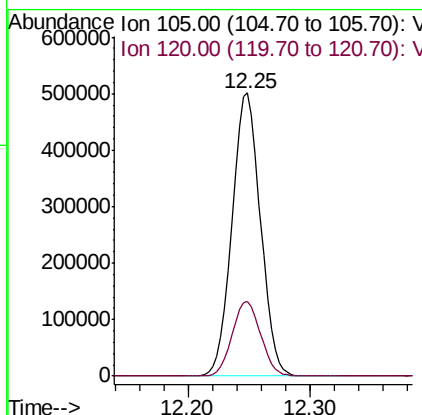
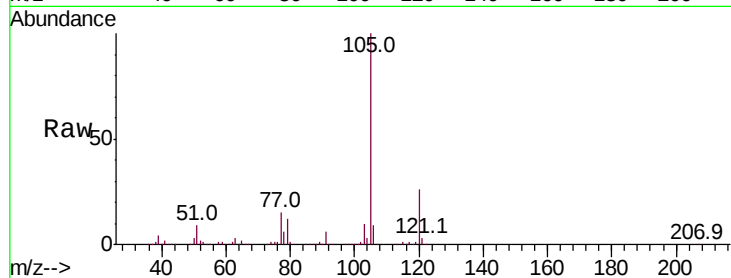
#73
Isopropylbenzene
Concen: 44.720 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 811084
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

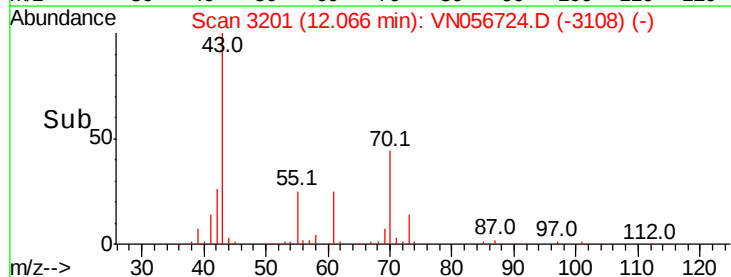
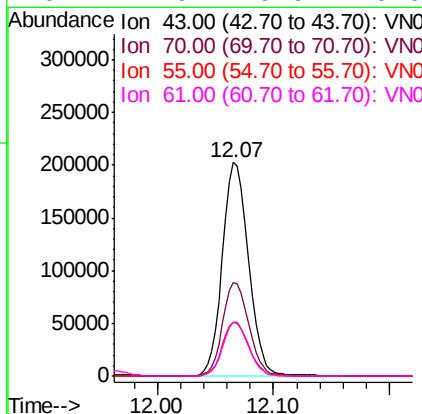
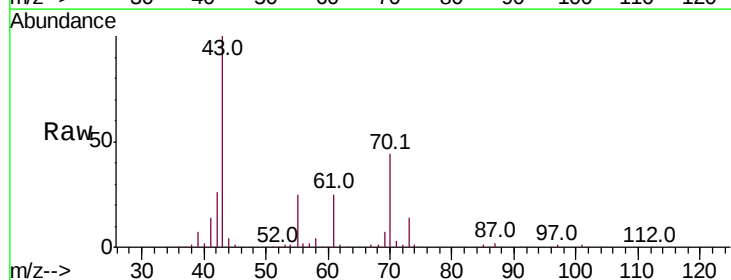
Manual Integrations
APPROVED

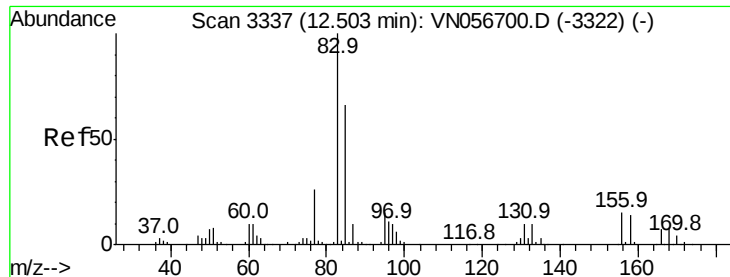
MMDadoda
7/17/2019 1:31:43 AM



#74
N-ethyl acetate
Concen: 46.694 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion: 43 Resp: 315399
Ion Ratio Lower Upper
43 100
70 44.2 34.5 51.7
55 25.9 20.2 30.2
61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.812 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 261646
Ion Ratio Lower Upper

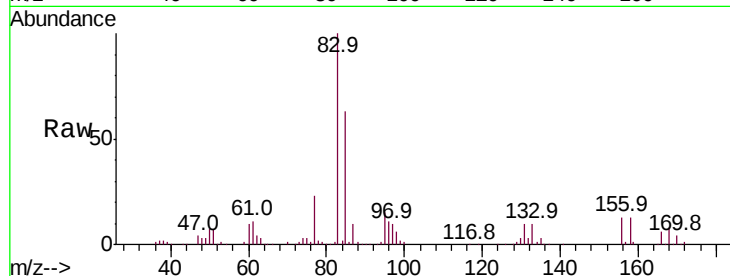
83 100

131 10.1 5.3 15.8

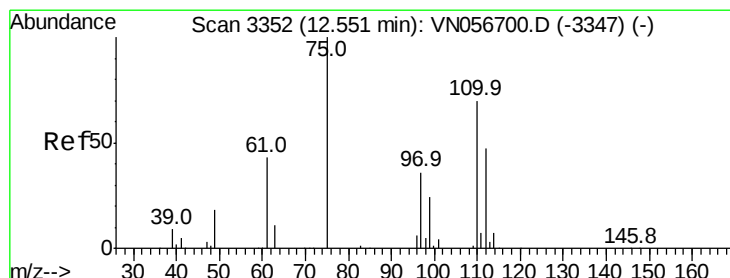
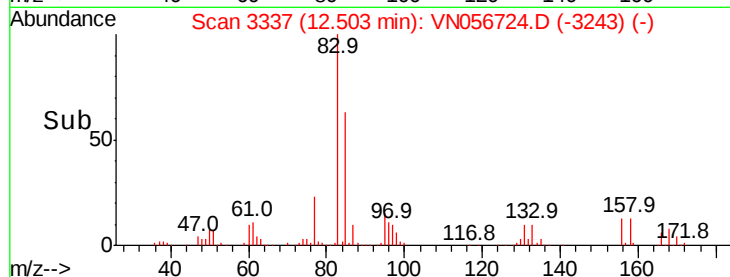
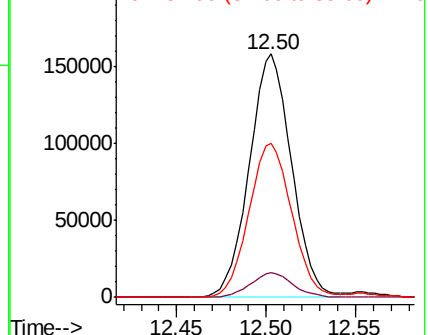
85 64.2 32.6 97.8

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: 46.485 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

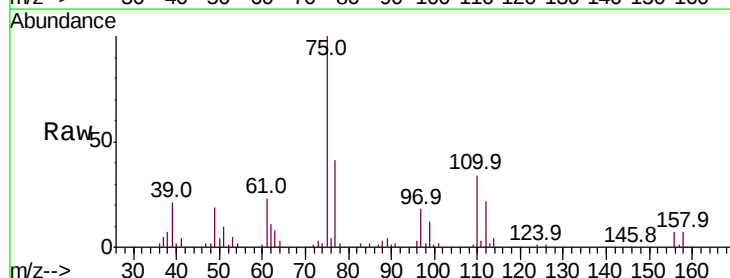
Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

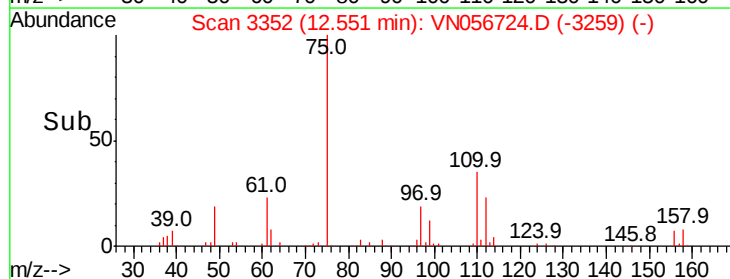
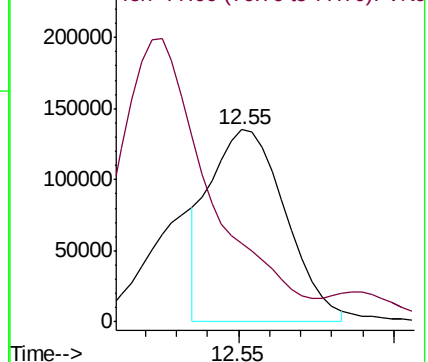
Tgt Ion: 75 Resp: 228693
Ion Ratio Lower Upper

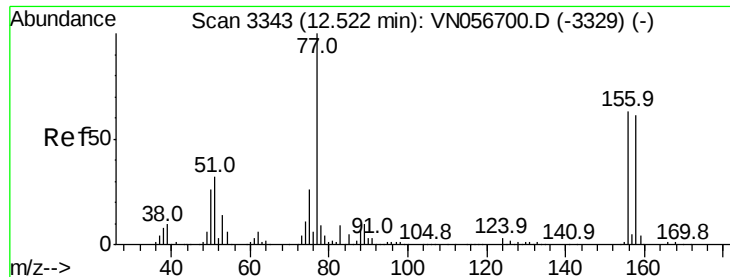
75 100

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





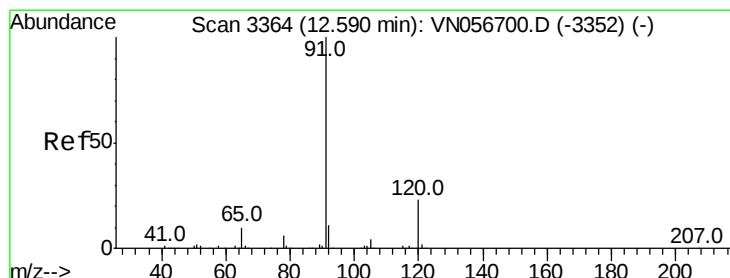
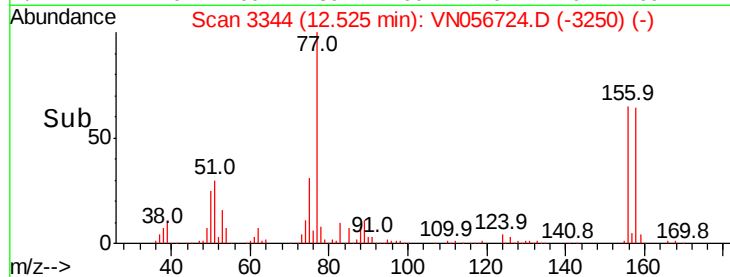
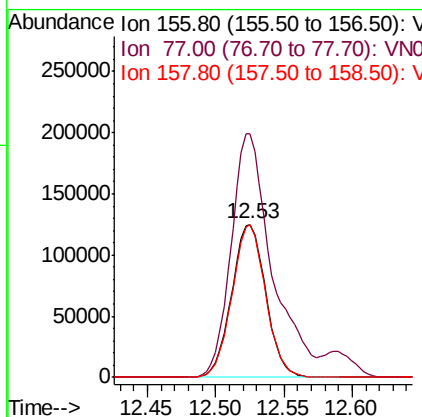
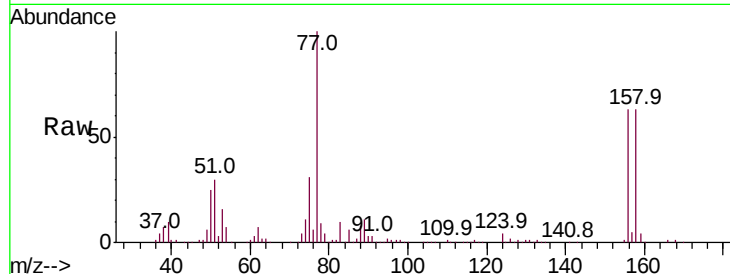
#77
Bromobenzene
Concen: 45.767 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.4	97.2	291.6
158	98.0	48.9	146.8

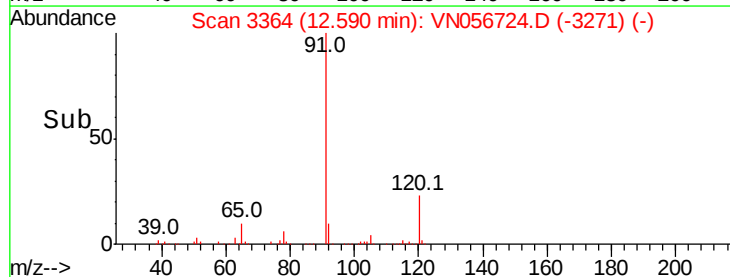
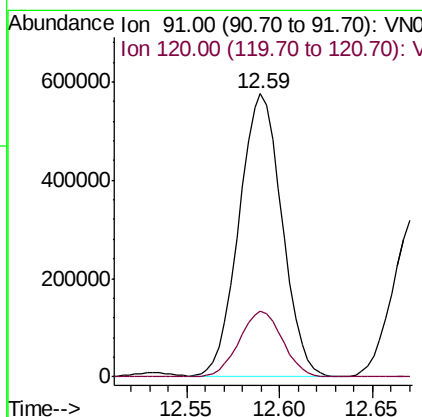
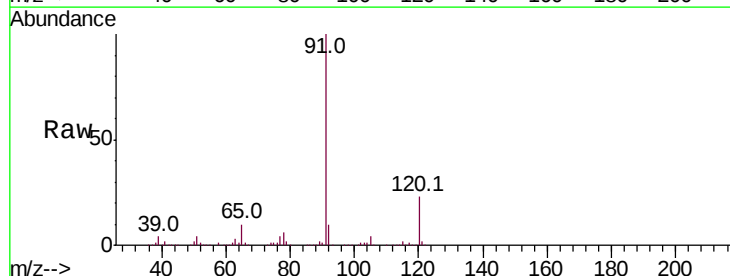
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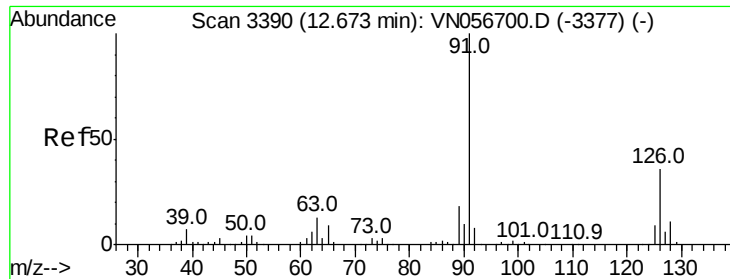
MMDadoda
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#78
n-propylbenzene
Concen: 45.947 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





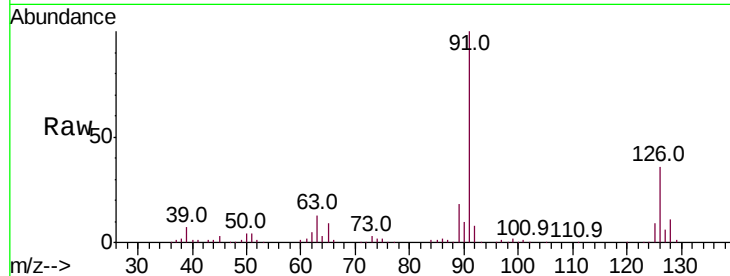
#79
2-Chlorotoluene
Concen: 49.109 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

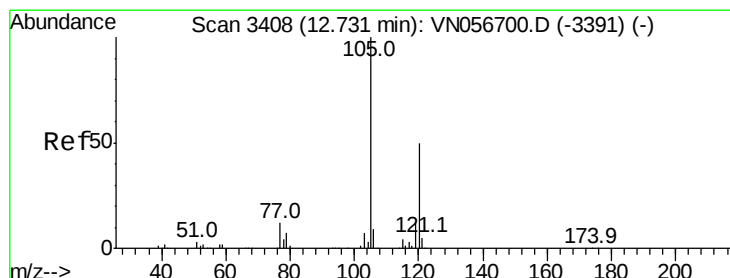
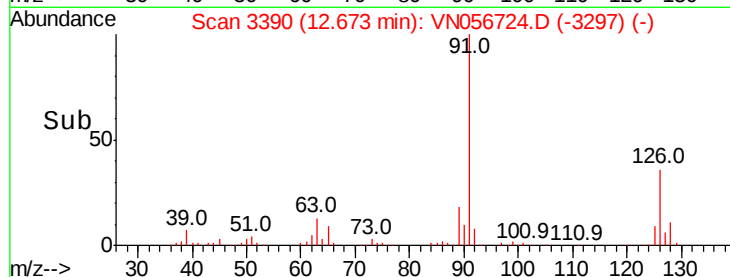
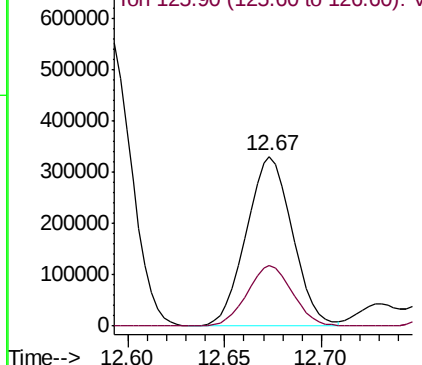
Tot Ion: 91 Resp: 546740
Ion Ratio Lower Upper
91 100
126 35.6 17.9 53.7

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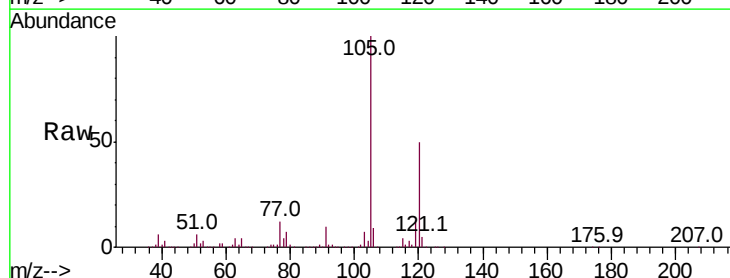


Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)
Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

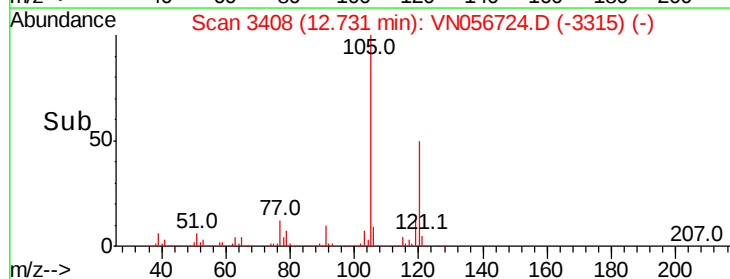
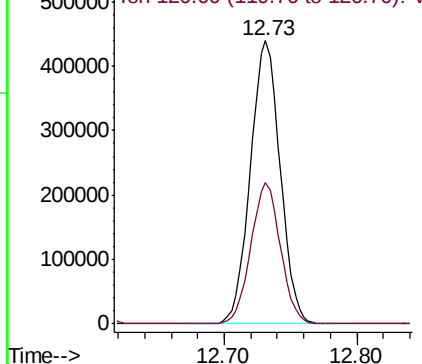


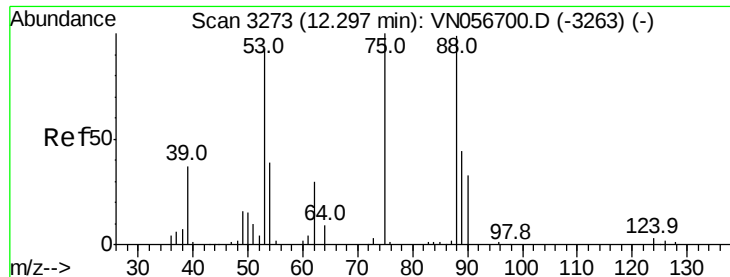
#80
1,3,5-Trimethylbenzene
Concen: 44.520 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion: 105 Resp: 684343
Ion Ratio Lower Upper
105 100
120 49.6 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)





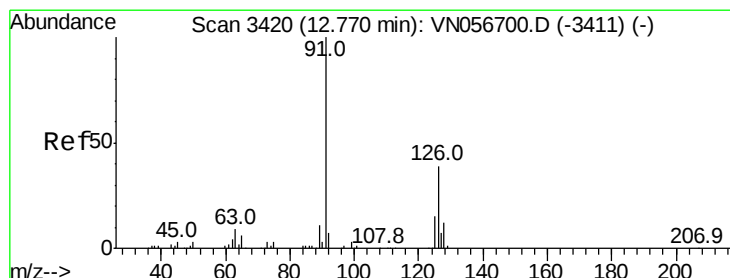
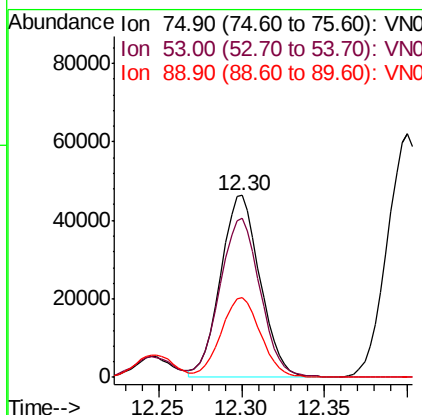
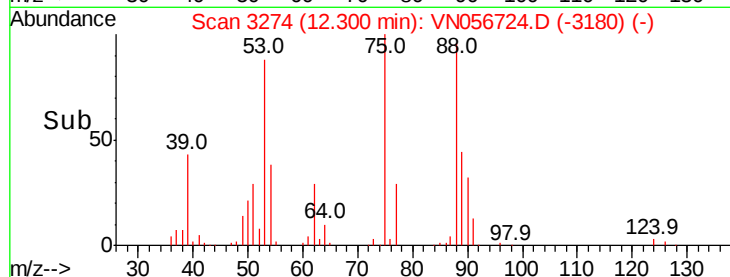
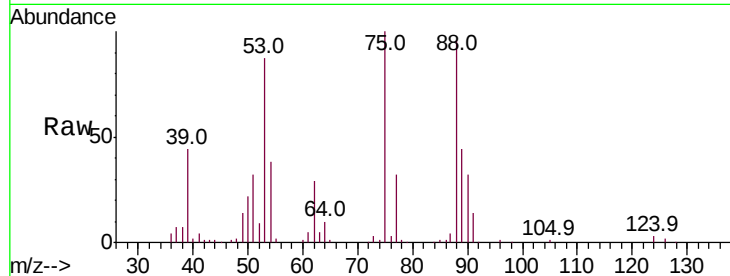
#81
trans-1,4-Dichloro-2-butene
Concen: 48.381 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	73.7	110.5
89	43.9	36.2	54.2

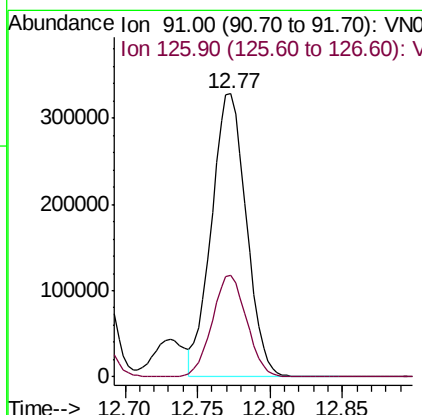
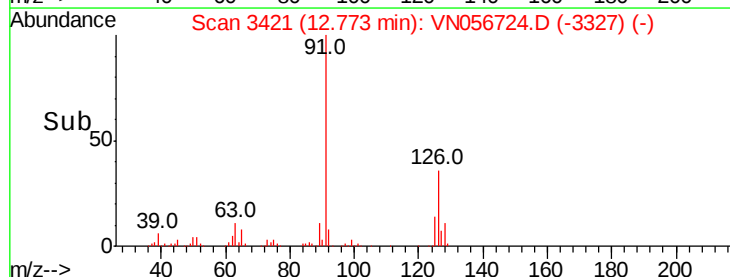
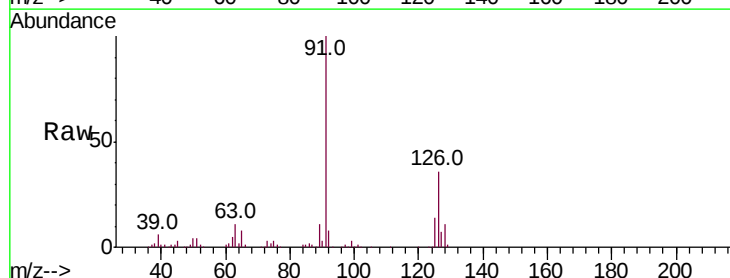
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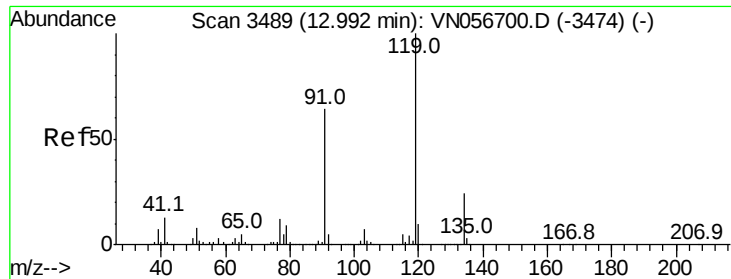
MMDadoda
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#82
4-Chlorotoluene
Concen: 46.402 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





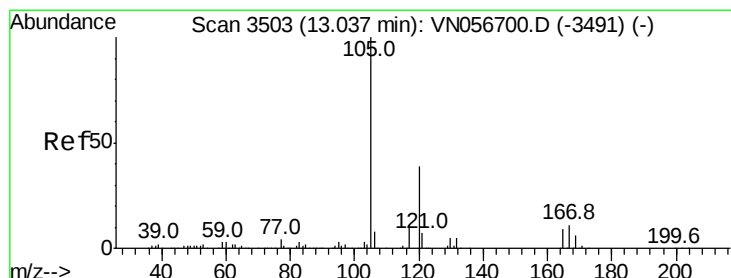
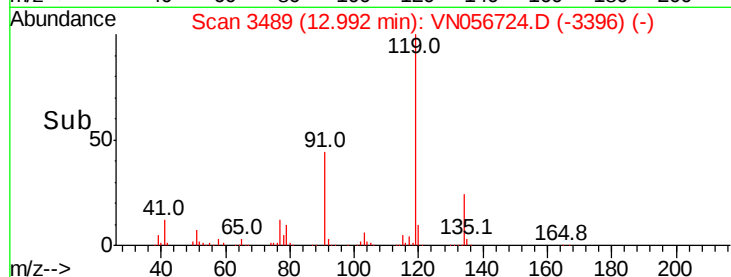
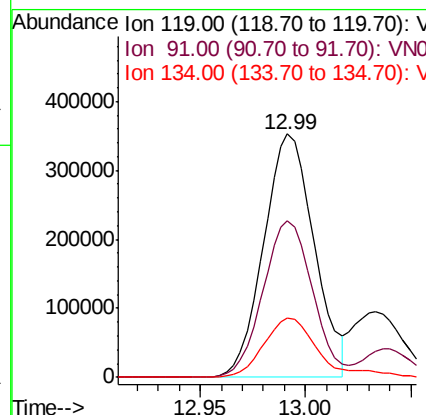
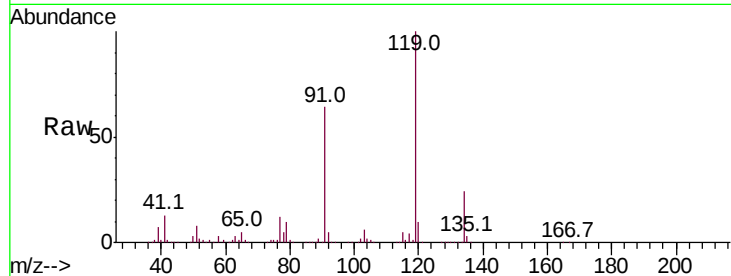
#83
 tert-Butylbenzene
 Concen: 49.035 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	587910		
91	63.3	31.8	95.4	
134	26.5	13.0	38.9	

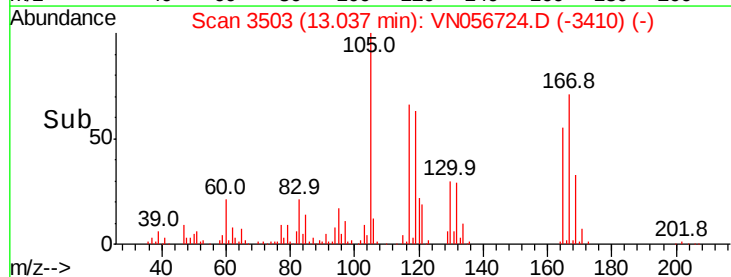
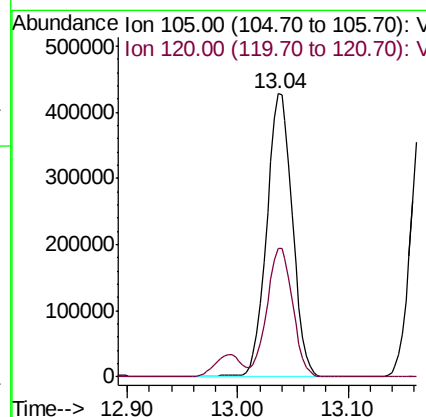
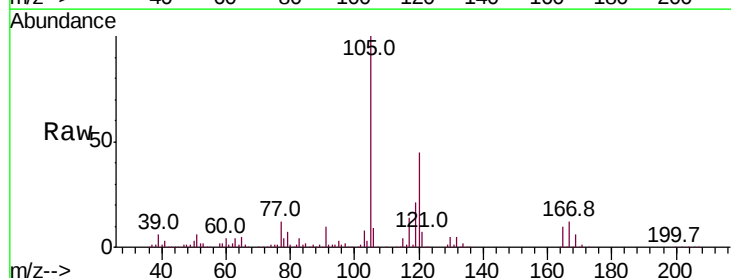
Manual Integrations
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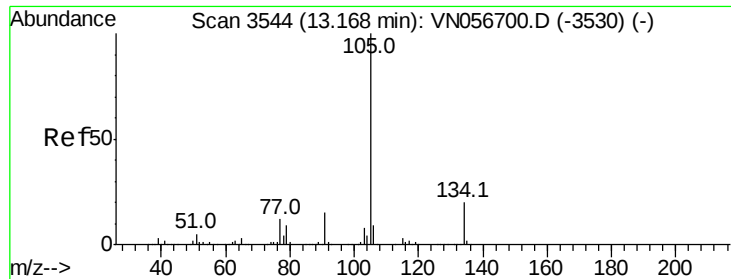
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 7/17/2019 1:31:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.211 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	693954		
120	45.5	22.9	68.8	





#85

sec-Butylbenzene

Concen: 46.081 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 787102

Ion Ratio Lower Upper

105 100

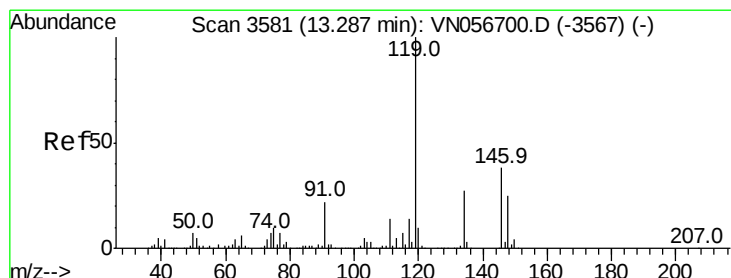
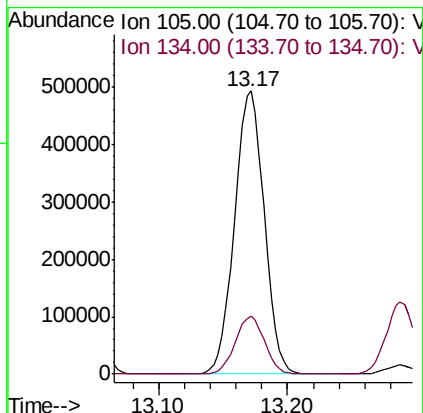
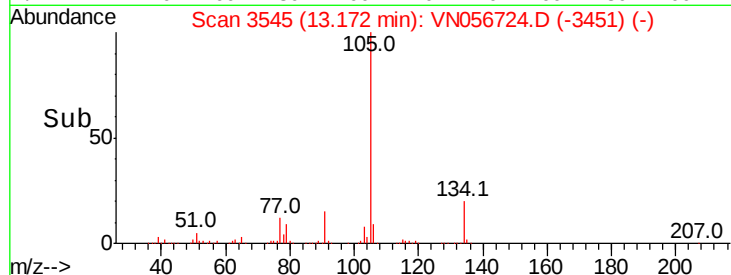
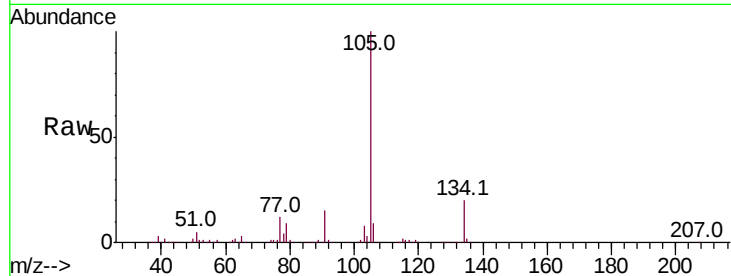
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.078 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

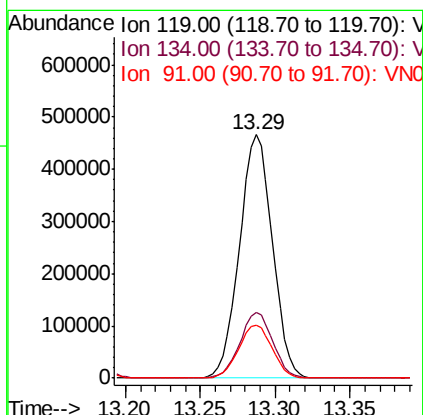
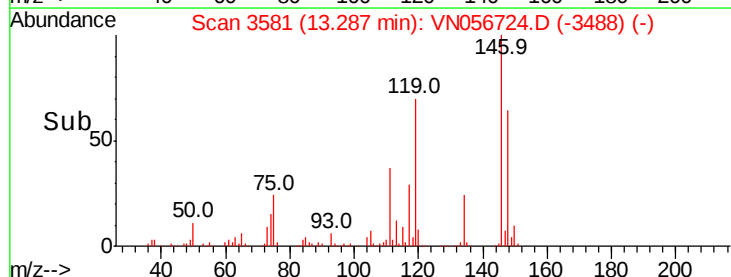
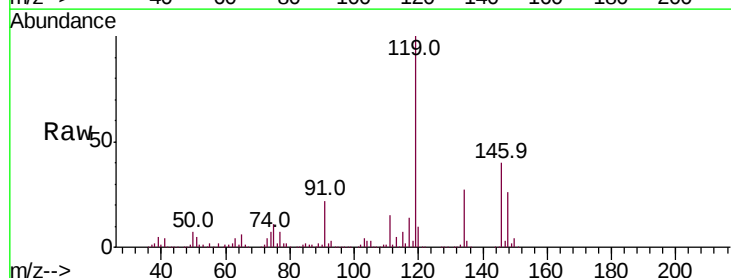
Tgt Ion:119 Resp: 712980

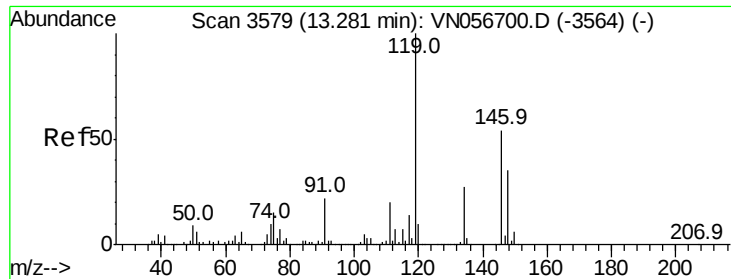
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 22.2 11.2 33.5





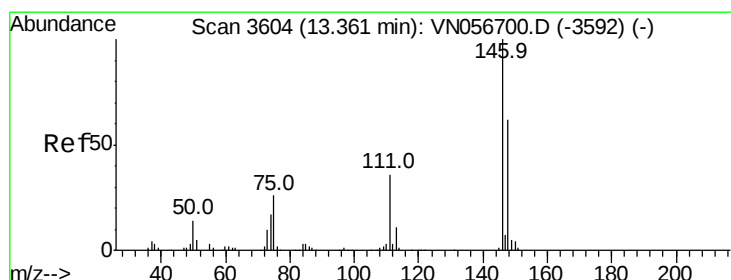
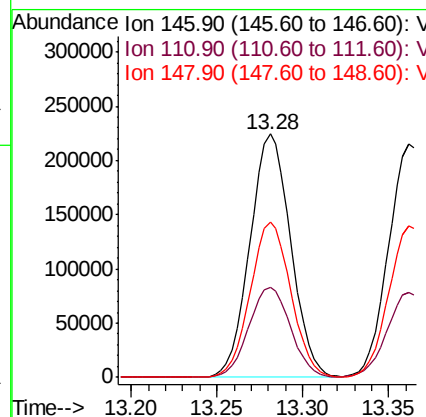
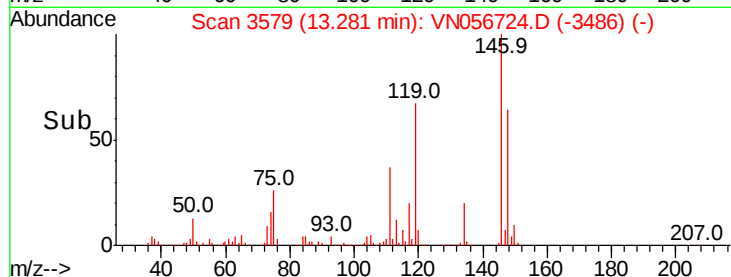
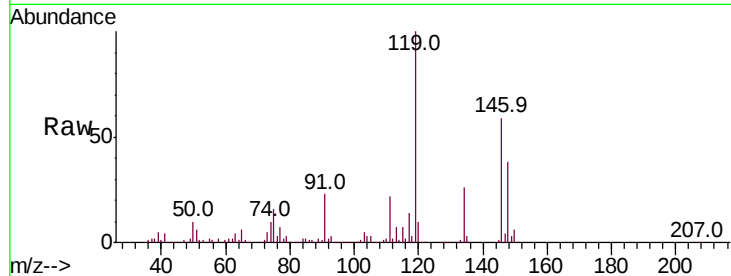
#87
 1,3-Dichlorobenzene
 Concen: 47.548 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	63.6	32.3	96.8

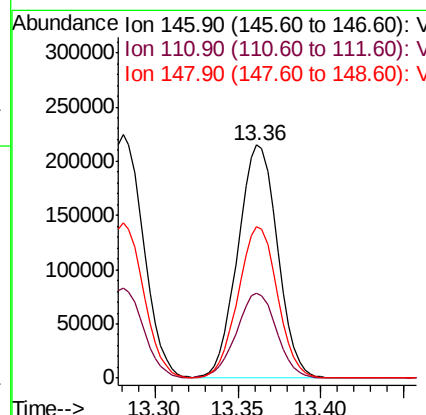
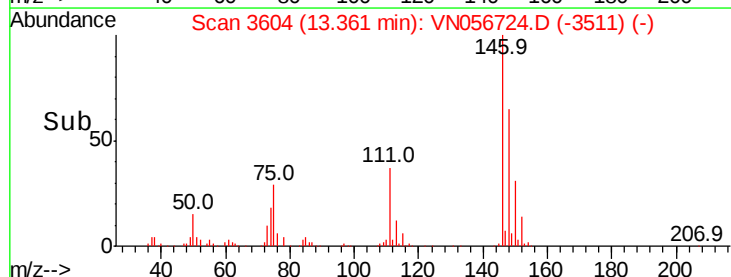
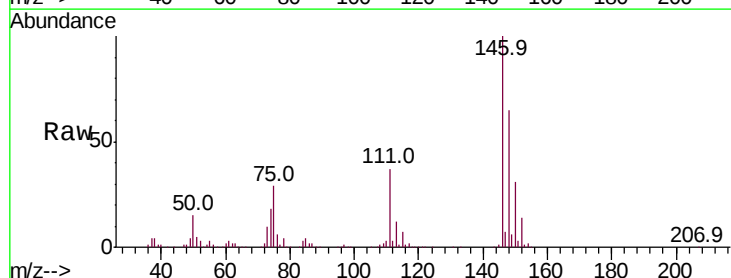
Manual Integrations
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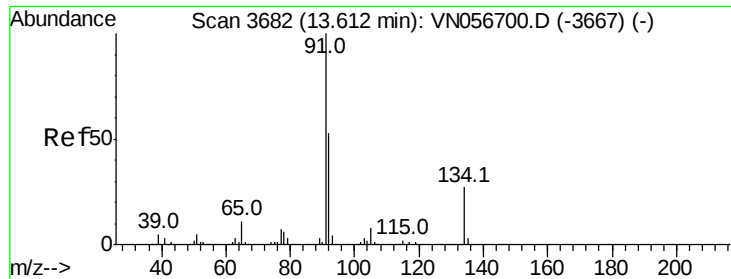
MMDadoda
 7/17/2019 1:31:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.287 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.6	31.9	95.7





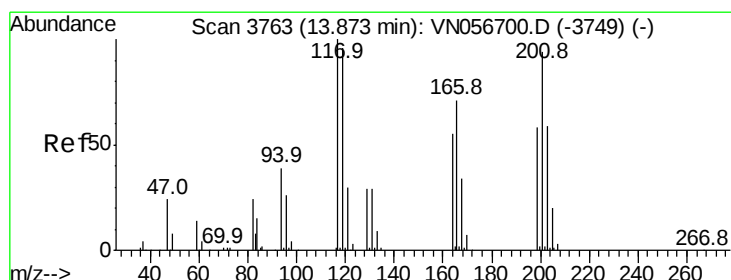
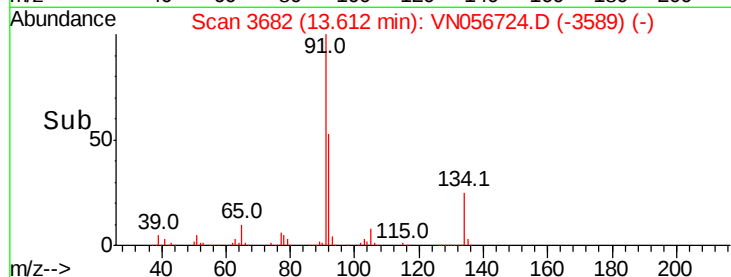
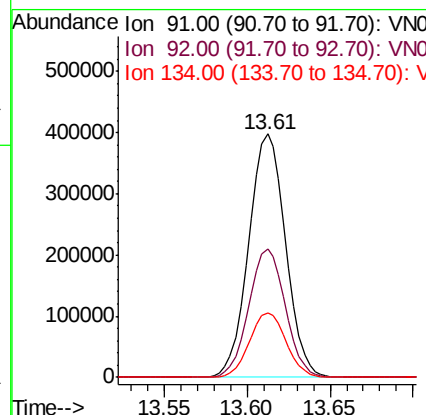
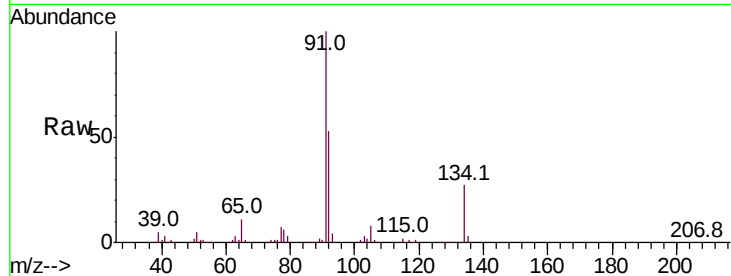
#89
n-Butylbenzene
Concen: 49.374 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.4	13.4	40.2

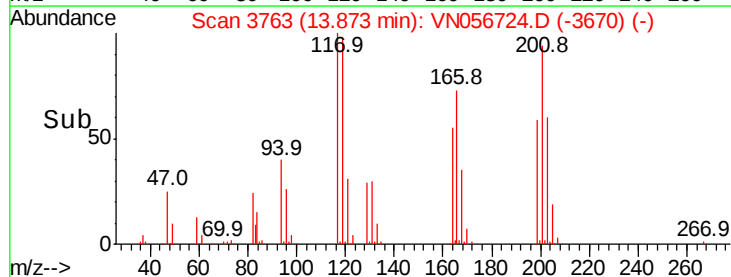
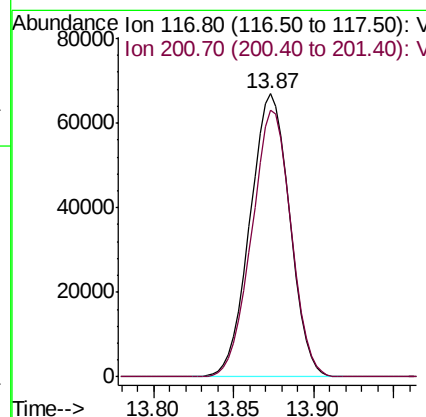
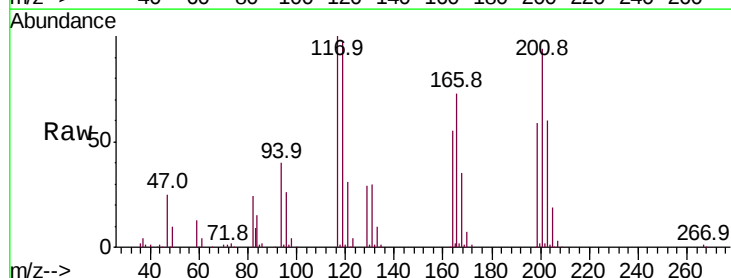
Manual Integrations
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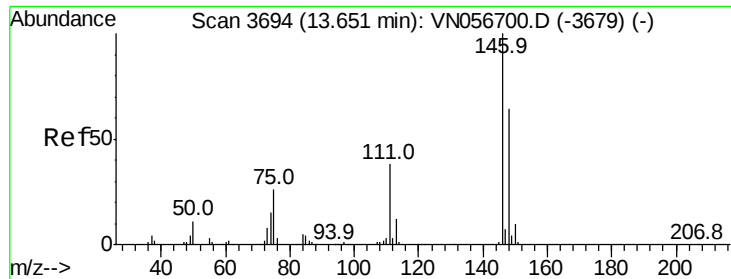
MMDadoda
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#90
Hexachloroethane
Concen: 45.472 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056724.D
Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	46.5	139.5





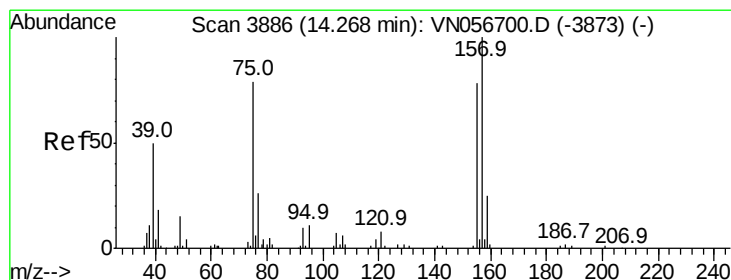
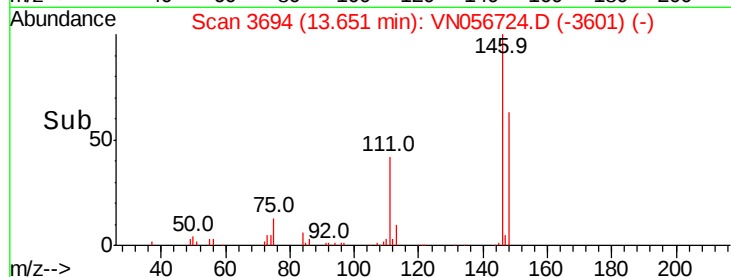
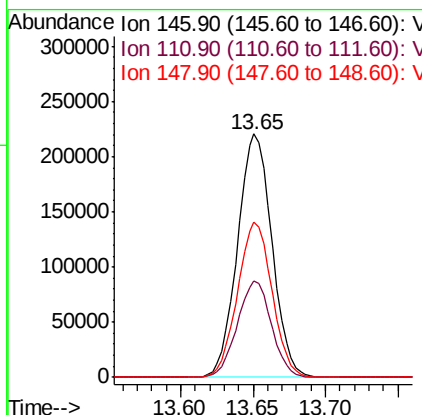
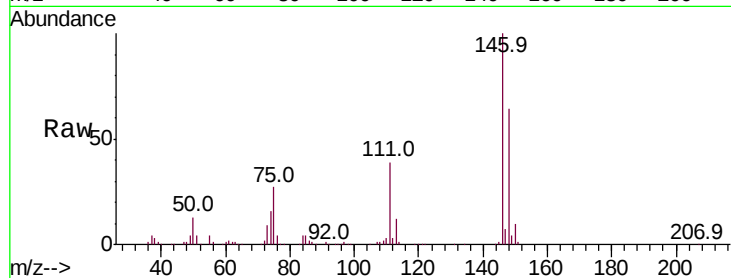
#91
 1,2-Dichlorobenzene
 Concen: 45.726 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.1
148	64.0	31.7	95.1

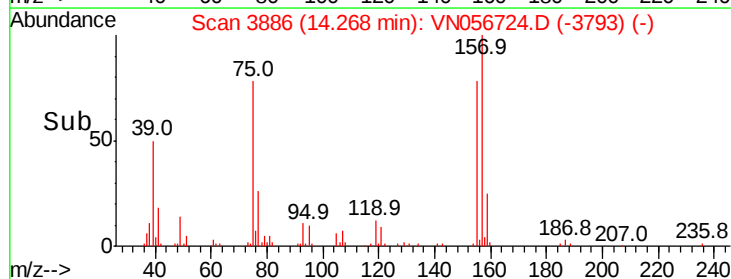
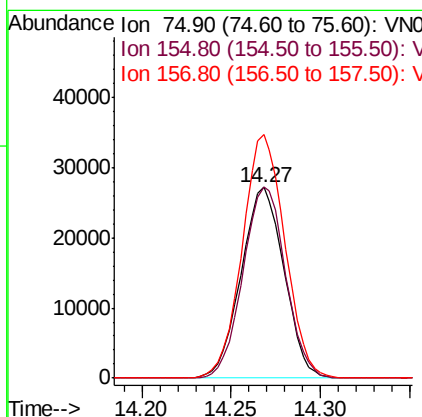
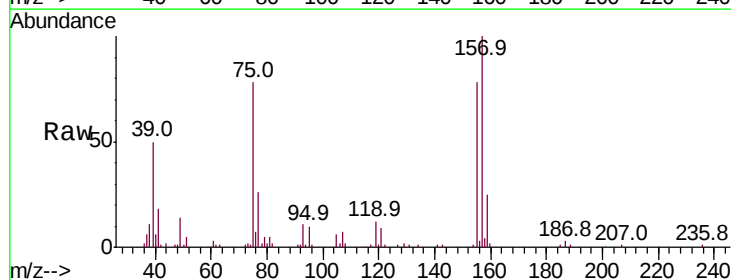
Manual Integrations
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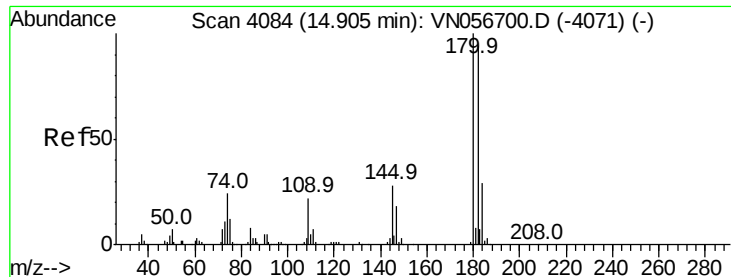
MMDadoda
 7/17/2019 1:31:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.004 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056724.D
 Acq: 15 Jul 2019 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	49.3	147.9
157	126.8	62.4	187.1





#93

1,2,4-Trichlorobenzene

Concen: 47.504 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

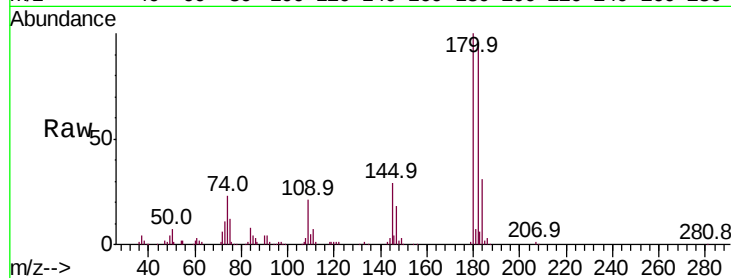
ClientSampleId :

VSTDCCC050EC

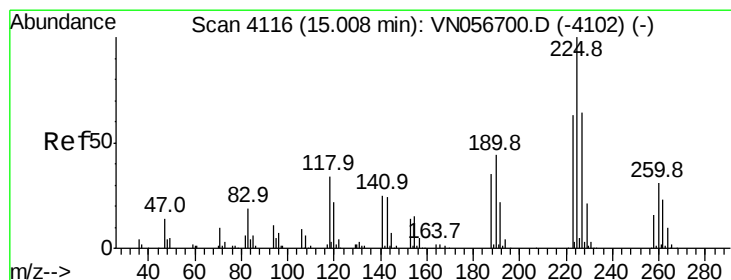
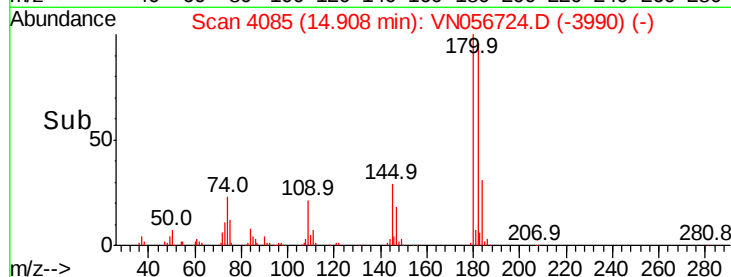
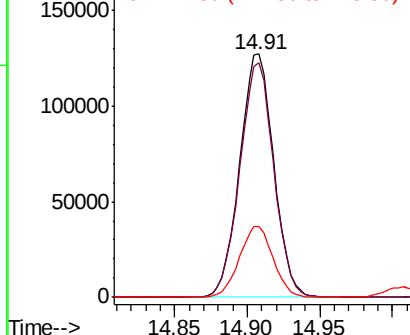
Tot Ion:	180	Resp:	207798
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.2	141.6
145	29.0	14.2	42.8

Manual Integrations
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7/17/2019 1:31:43 AM



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: 47.110 ug/l

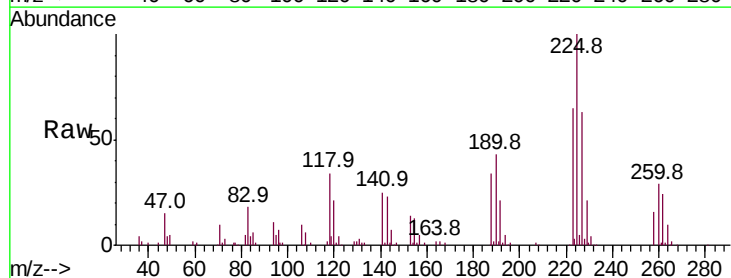
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

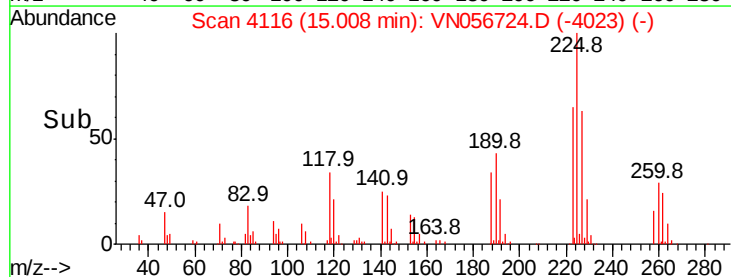
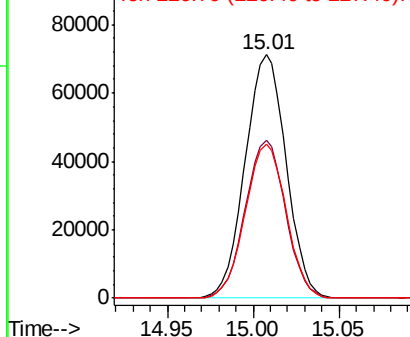
Lab File: VN056724.D

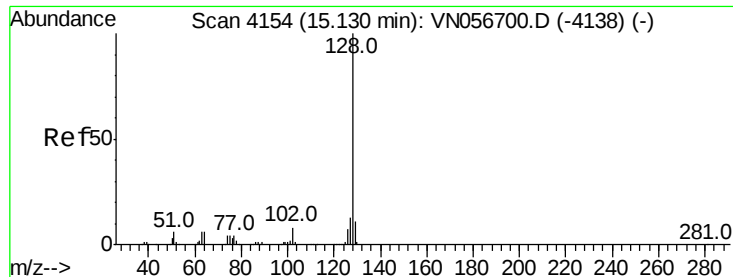
Acq: 15 Jul 2019 19:55

Tgt Ion:	225	Resp:	117872
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.5	94.5
227	63.2	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: 47.334 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Instrument :

MSVOA_N

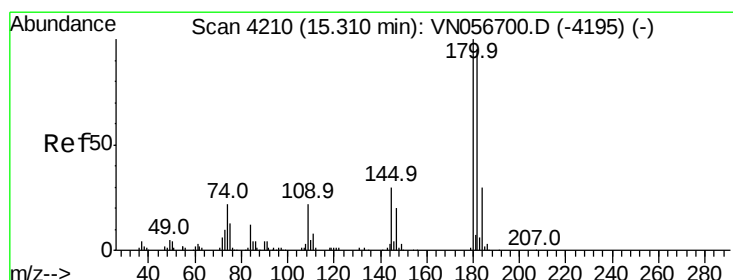
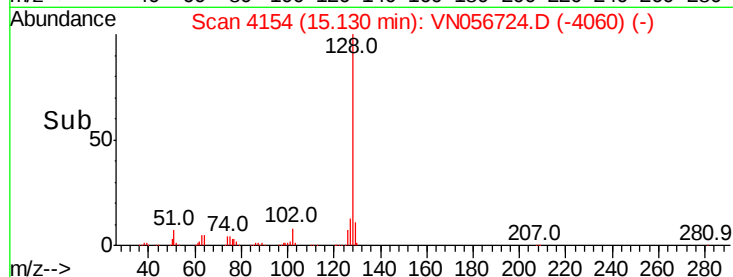
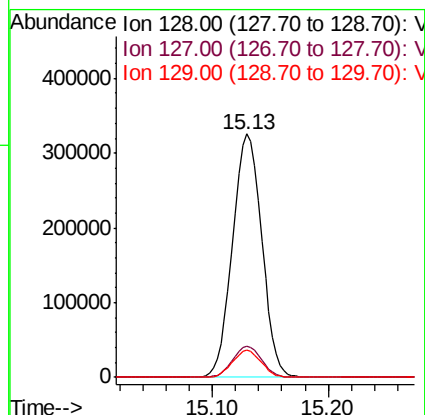
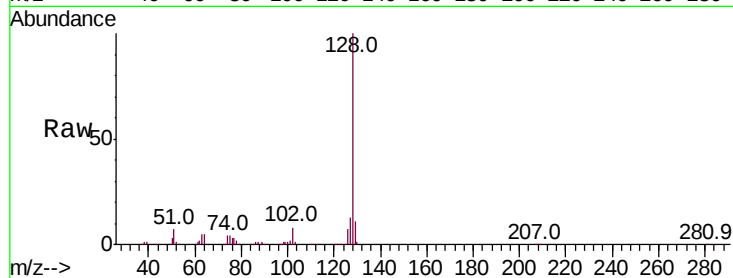
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	567249
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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MMDadoda
7/17/2019 1:31:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.132 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056724.D

Acq: 15 Jul 2019 19:55

Tgt Ion:	180	Resp:	209339
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.1	141.3
145	30.8	15.0	45.1

