

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068750.D
 Acq On : 29 Sep 2021 19:56
 Operator : JC/MD
 Sample : M3915-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 29 23:43:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

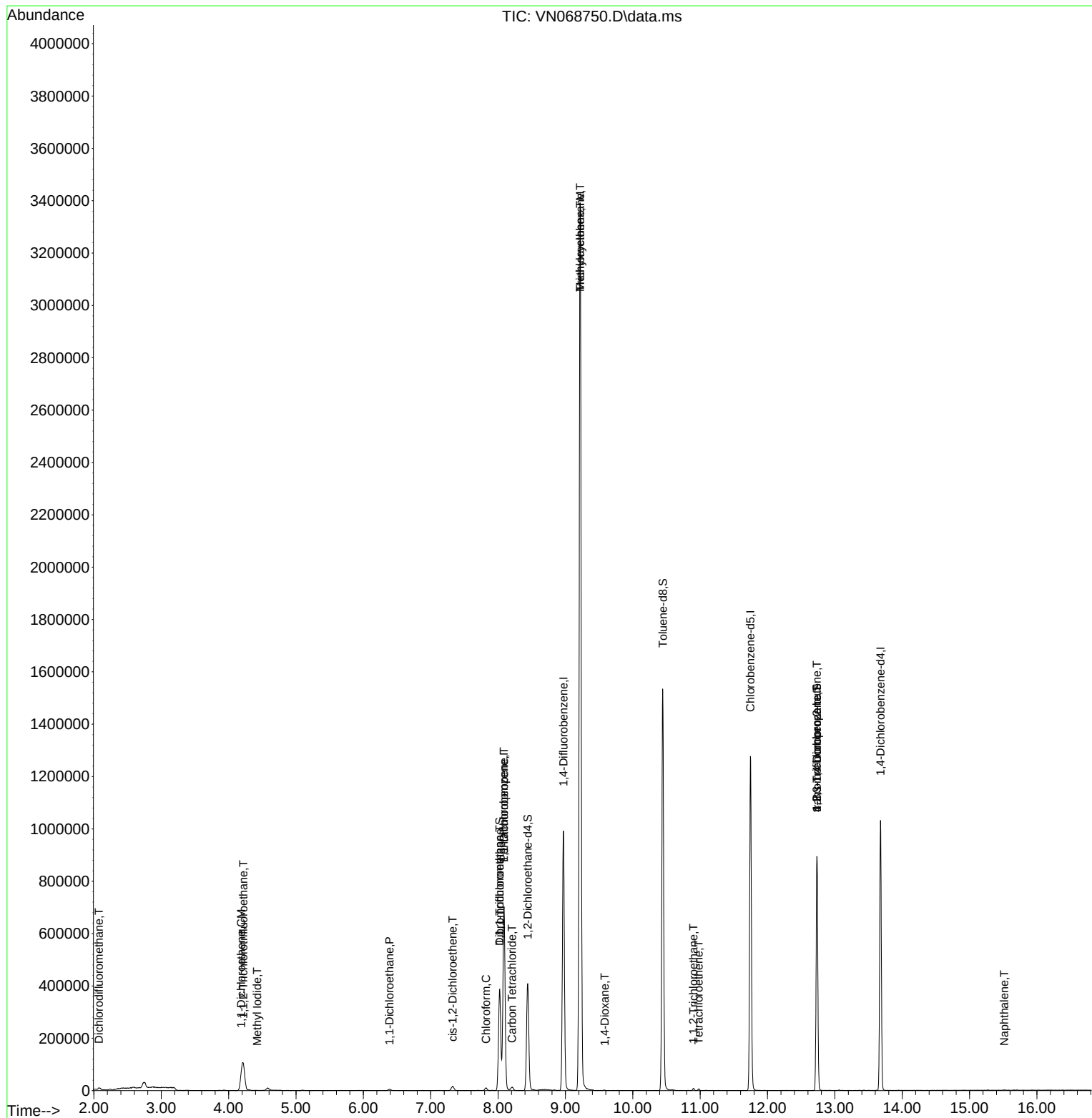
Internal Standards						
1) Pentafluorobenzene	8.088	168	507600	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	863830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	728696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	256419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	342379	48.410	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.820%
35) Dibromofluoromethane	8.021	113	270238	50.350	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.700%
50) Toluene-d8	10.446	98	1069824	54.548	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.100%
62) 4-Bromofluorobenzene	12.734	95	285403	41.879	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.760%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	5060	0.910	ug/l	92
3) Chloromethane	2.306	50	1693	Below Cal		97
5) Bromomethane	2.875	94	2974	Below Cal	#	80
6) Chloroethane	3.014	64	127	Below Cal	#	44
7) Trichlorofluoromethane	3.373	101	127	Below Cal	#	26
9) 1,1,2-Trichlorotrifluo...	4.218	101	60579	10.883	ug/l	94
10) Methyl Iodide	4.422	142	90	1.368	ug/l #	33
12) 1,1-Dichloroethene	4.186	96	21731	4.556	ug/l	93
16) Acetone	4.296	43	4463	Below Cal		95
17) Carbon Disulfide	4.543	76	364	Below Cal	#	74
24) 1,1-Dichloroethane	6.388	63	7835	0.736	ug/l #	85
27) cis-1,2-Dichloroethene	7.327	96	8746	1.269	ug/l	68
30) Chloroform	7.820	83	9470	0.756	ug/l	92
31) Cyclohexane	8.088	56	13526	Below Cal	#	31
32) 1,1,1-Trichloroethane	8.024	97	3244	0.291	ug/l #	45
36) 1,1-Dichloropropene	8.088	75	44362	5.460	ug/l #	47
38) Carbon Tetrachloride	8.206	117	8795	0.911	ug/l	93
39) Methylcyclohexane	9.220	83	14910	1.583	ug/l #	1
44) Trichloroethene	9.217	130	1148577	173.942	ug/l	86
49) 1,4-Dioxane	9.582	88	1317	13.694	ug/l #	28
55) 1,1,2-Trichloroethane	10.902	97	2718	0.388	ug/l #	92
64) Tetrachloroethene	10.980	164	1138	0.209	ug/l #	73
76) 1,2,3-Trichloropropane	12.734	75	164686	28.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	164686	83.953	ug/l #	6
95) Naphthalene	15.515	128	1915	1.601	ug/l #	71

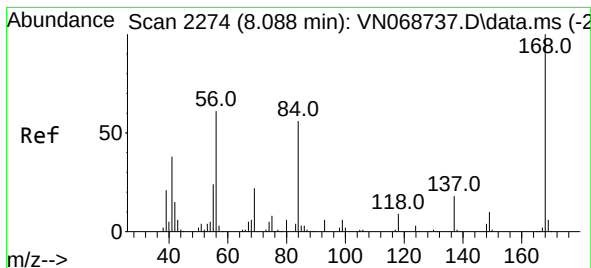
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 29 23:31:35 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068750.D

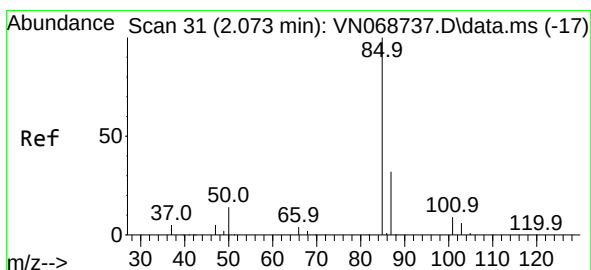
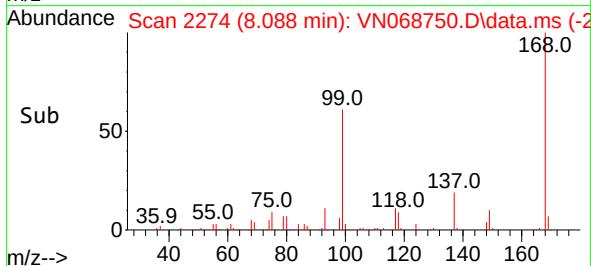
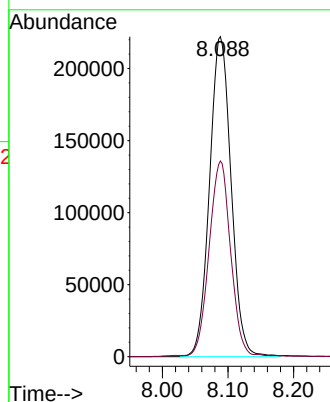
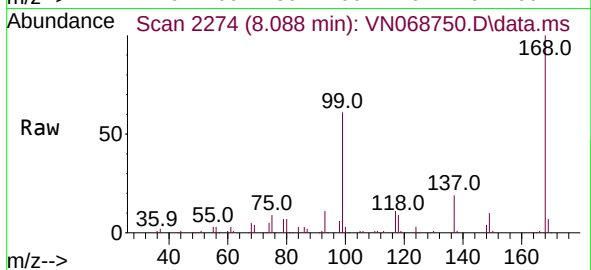
Acq: 29 Sep 2021 19:56

Tgt Ion:168 Resp: 507600

Ion Ratio Lower Upper

168 100

99 60.9 62.9 94.3#



#2

Dichlorodifluoromethane

Concen: 0.910 ug/l

RT: 2.073 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN068750.D

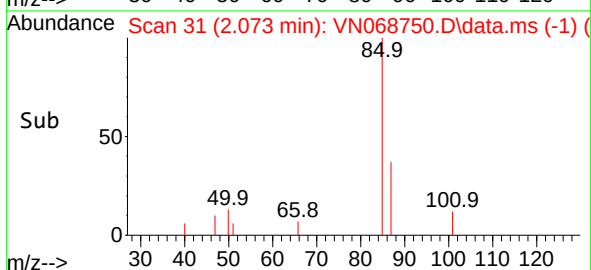
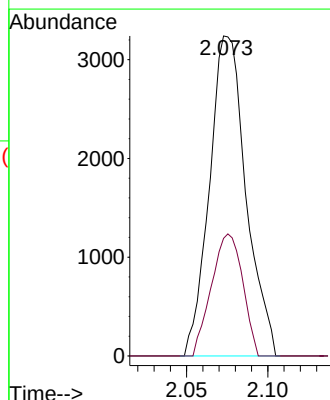
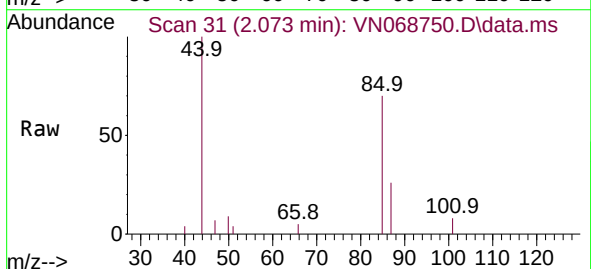
Acq: 29 Sep 2021 19:56

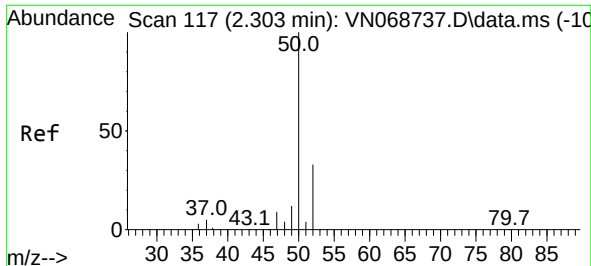
Tgt Ion: 85 Resp: 5060

Ion Ratio Lower Upper

85 100

87 36.8 16.1 48.2

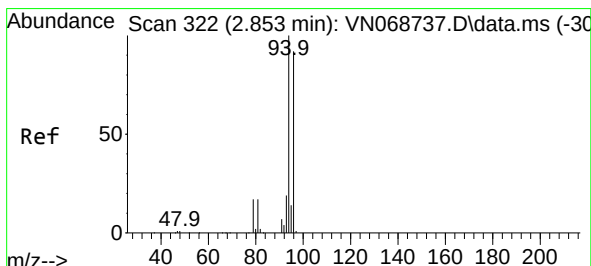
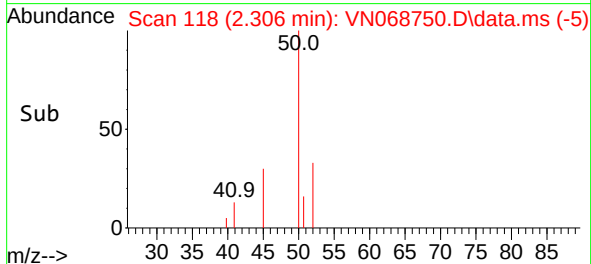
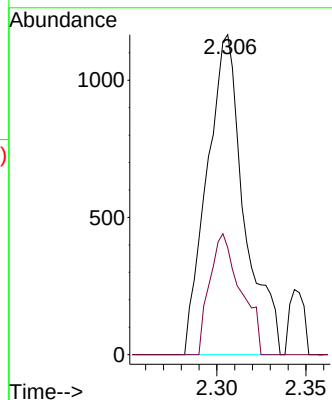
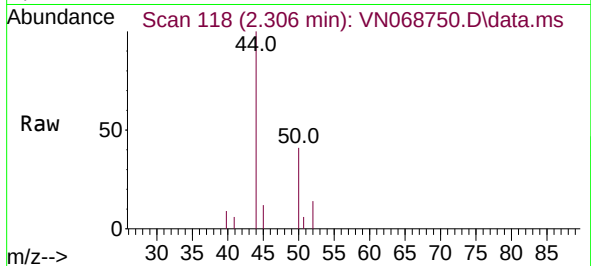




#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

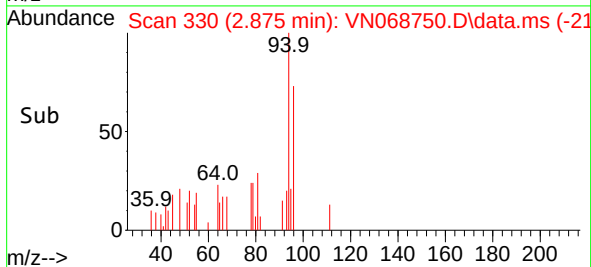
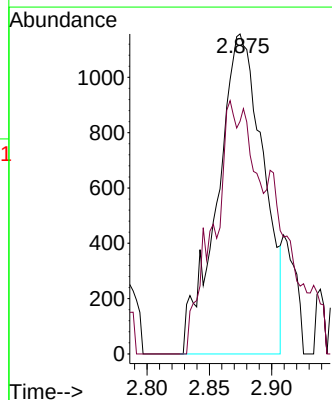
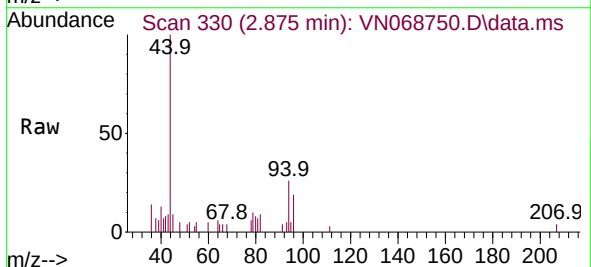
Instrument :
MSVOA_N
ClientSampleId :

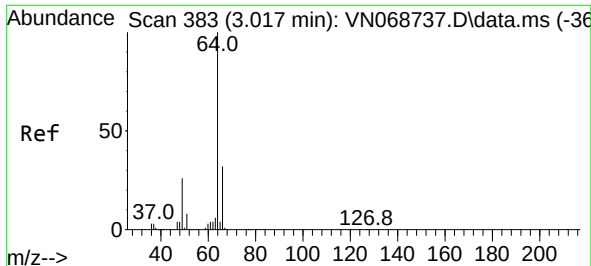
Tgt Ion: 50 Resp: 1693
Ion Ratio Lower Upper
50 100
52 33.4 25.6 38.4



#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.022 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 94 Resp: 2974
Ion Ratio Lower Upper
94 100
96 72.7 73.7 110.5#

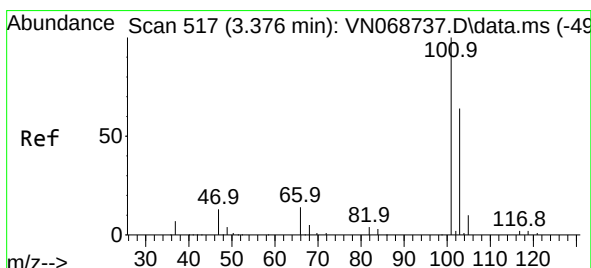
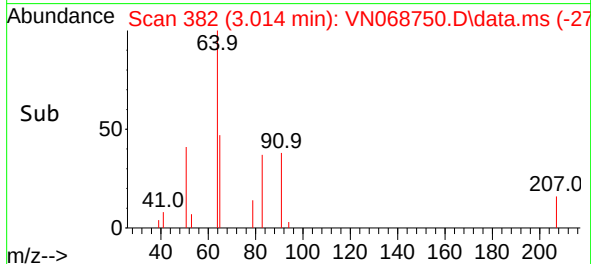
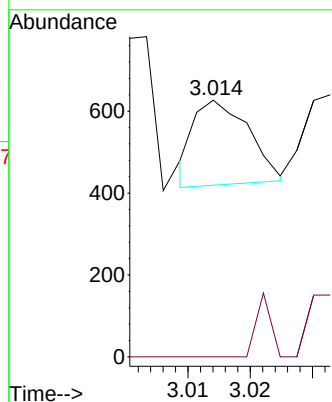
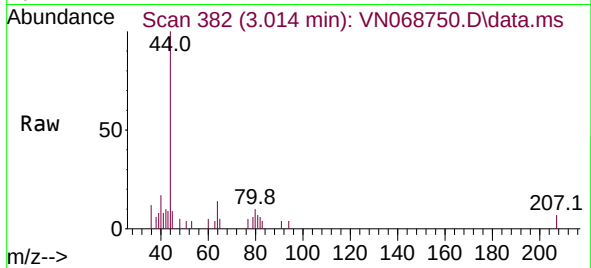




#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. -0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

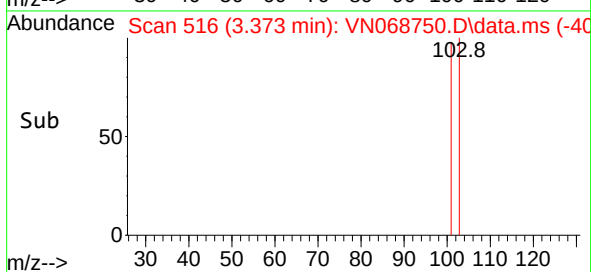
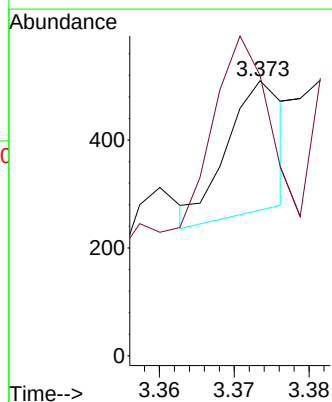
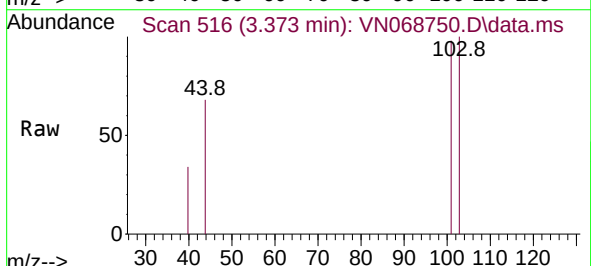
Instrument :
MSVOA_N
ClientSampled :

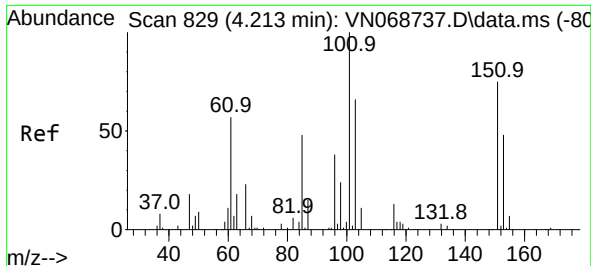
Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.373 min Scan# 516
Delta R.T. -0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion:101 Resp: 127
Ion Ratio Lower Upper
101 100
103 122.1 51.2 76.8#

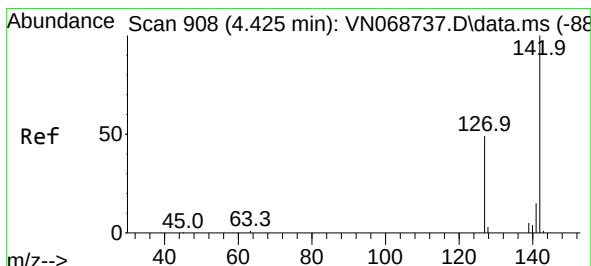
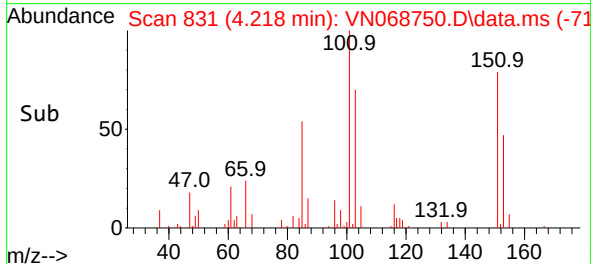
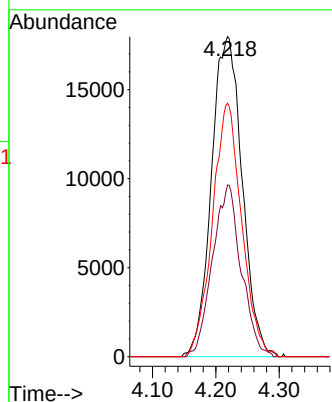
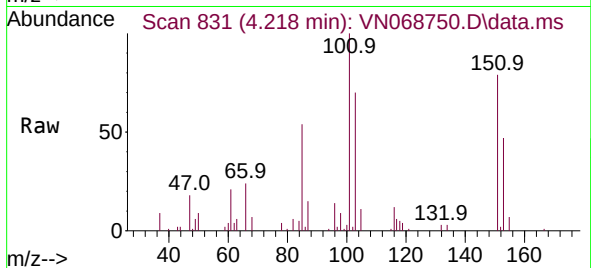




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.883 ug/l
RT: 4.218 min Scan# 831
Delta R.T. 0.005 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

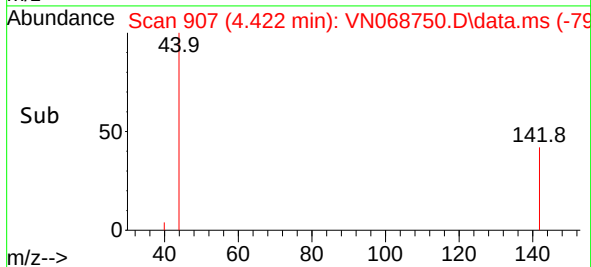
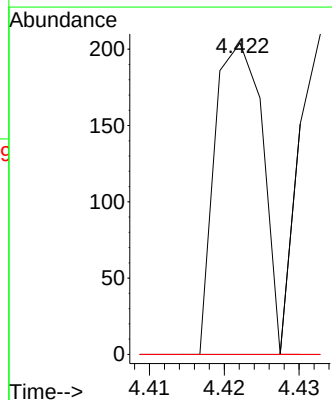
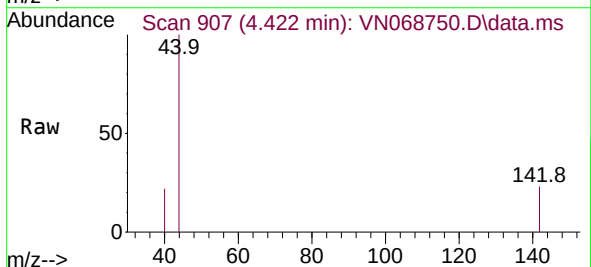
Instrument :
MSVOA_N
ClientSampled :

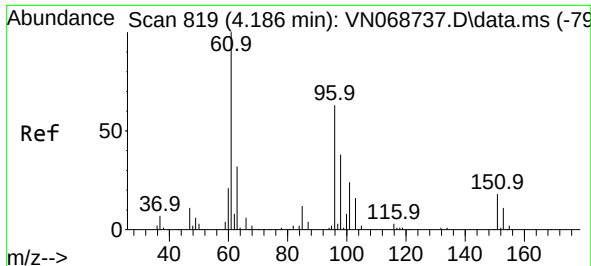
Tgt Ion:101 Resp: 60579
Ion Ratio Lower Upper
101 100
85 50.3 39.6 59.4
151 75.1 54.1 81.1



#10
Methyl Iodide
Concen: 1.368 ug/l
RT: 4.422 min Scan# 907
Delta R.T. -0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

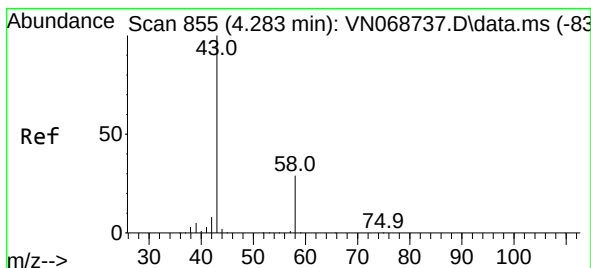
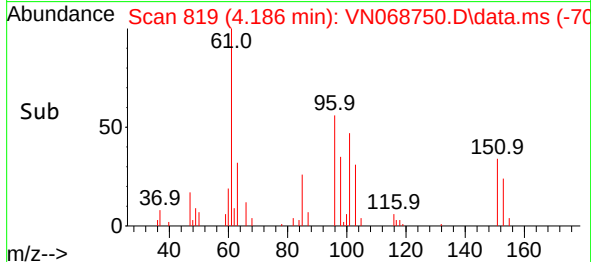
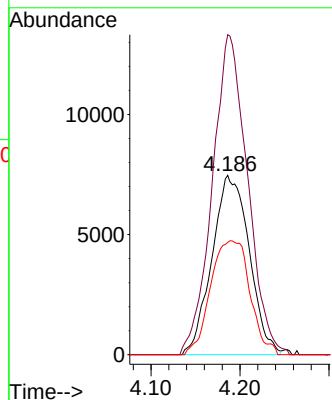
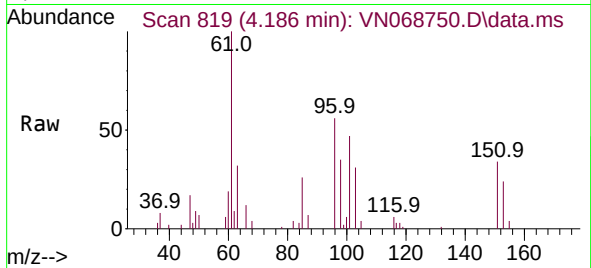




#12
1,1-Dichloroethene
Concen: 4.556 ug/l
RT: 4.186 min Scan# 819
Delta R.T. 0.000 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

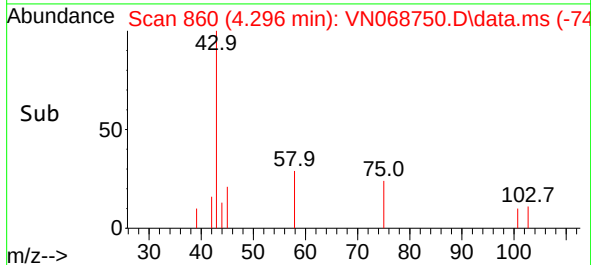
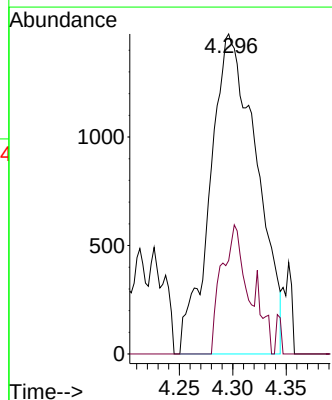
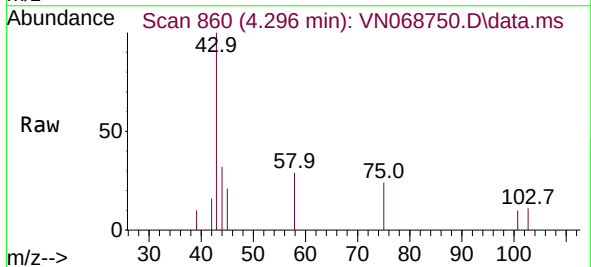
Instrument :
MSVOA_N
ClientSampled :

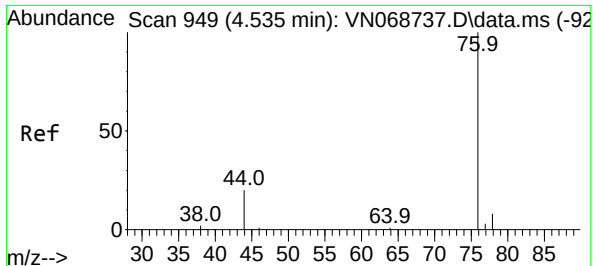
Tgt Ion: 96 Resp: 21731
Ion Ratio Lower Upper
96 100
61 178.4 152.6 229.0
98 62.6 50.9 76.3



#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 43 Resp: 4463
Ion Ratio Lower Upper
43 100
58 29.2 21.2 31.8

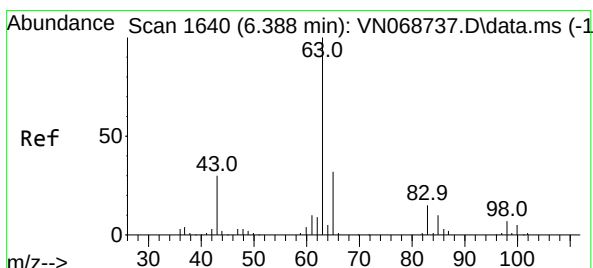
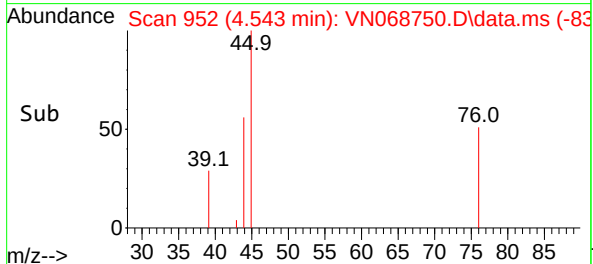
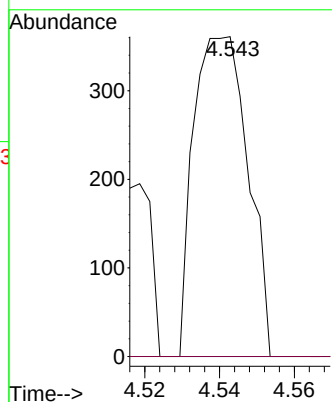
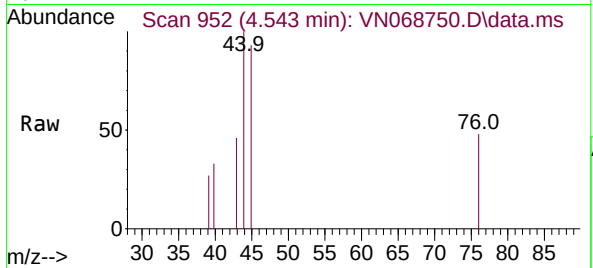




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.543 min Scan# 952
Delta R.T. 0.008 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

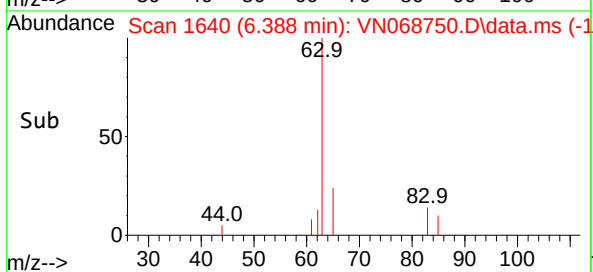
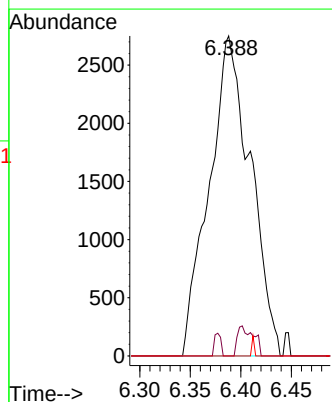
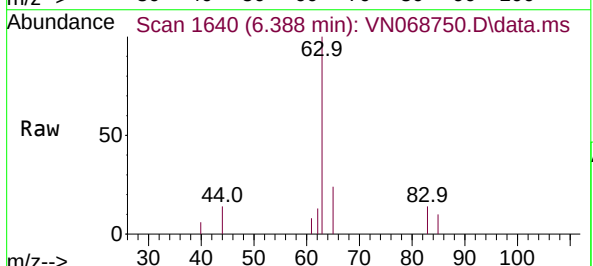
Instrument :
MSVOA_N
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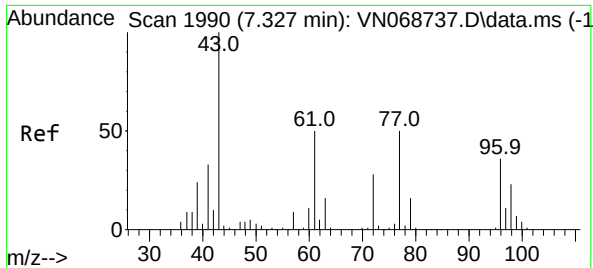
Tgt Ion: 76 Resp: 364
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#24
1,1-Dichloroethane
Concen: 0.736 ug/l
RT: 6.388 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 63 Resp: 7835
Ion Ratio Lower Upper
63 100
98 0.0 3.0 9.0#
100 0.0 1.9 5.7#

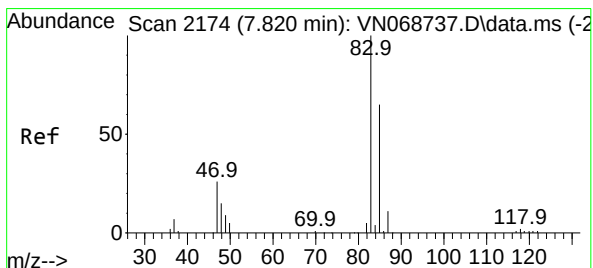
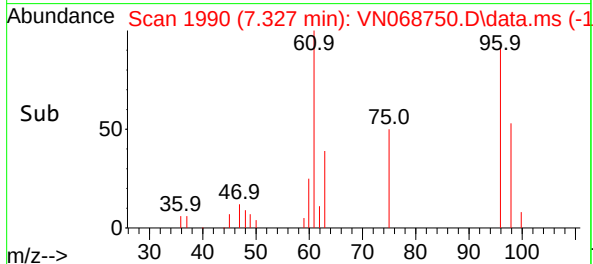
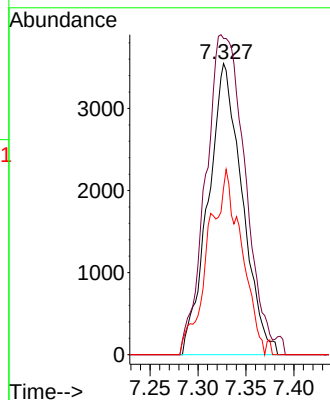
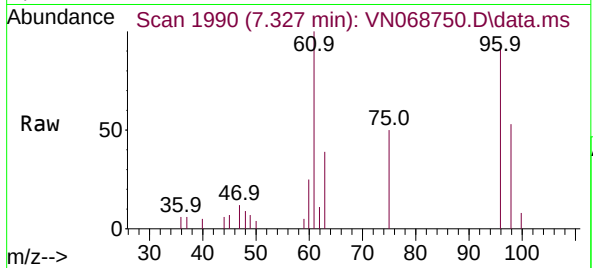




#27
 cis-1,2-Dichloroethene
 Concen: 1.269 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: VN068750.D
 Acq: 29 Sep 2021 19:56

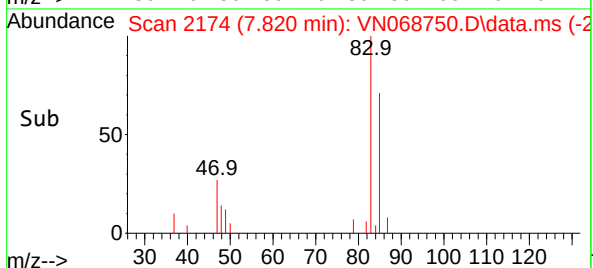
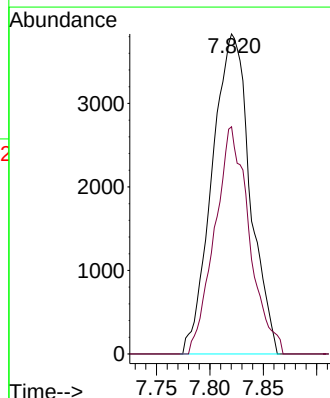
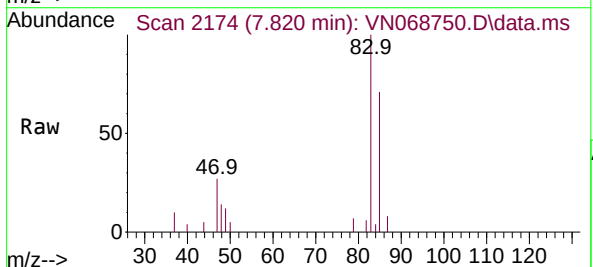
Instrument :
 MSVOA_N
 ClientSampled :

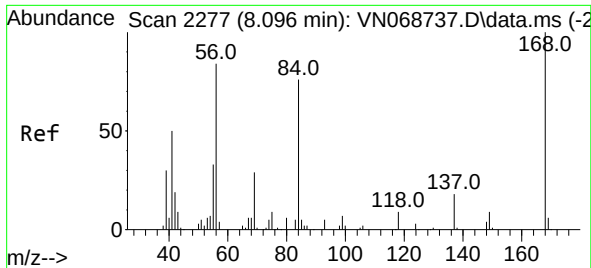
Tgt Ion:	96	Resp:	8746
Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	338.8
98	38.4	0.0	129.8



#30
 Chloroform
 Concen: 0.756 ug/l
 RT: 7.820 min Scan# 2174
 Delta R.T. 0.000 min
 Lab File: VN068750.D
 Acq: 29 Sep 2021 19:56

Tgt Ion:	83	Resp:	9470
Ion	Ratio	Lower	Upper
83	100		
85	71.0	51.5	77.3

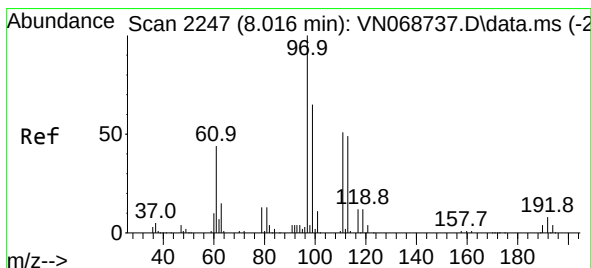
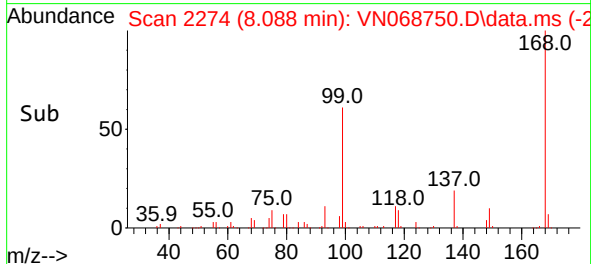
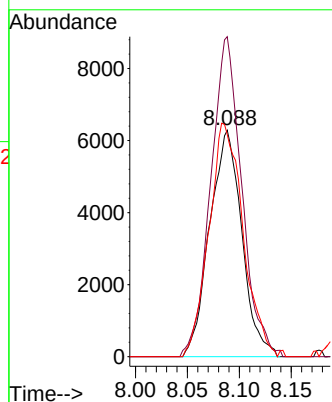
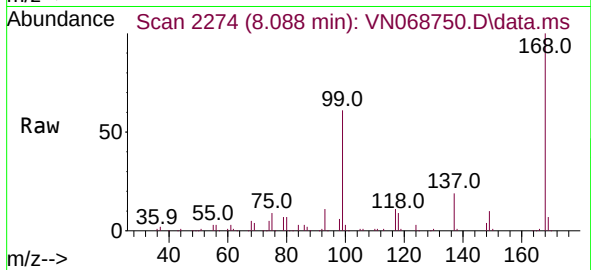




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

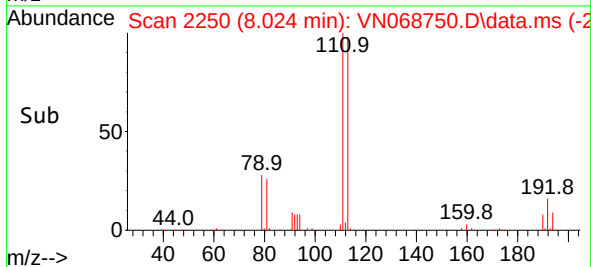
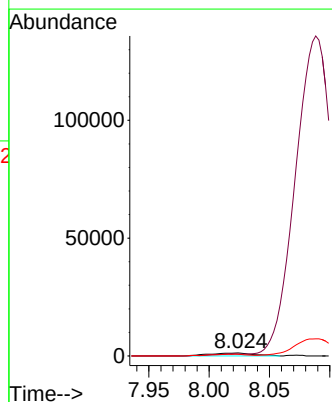
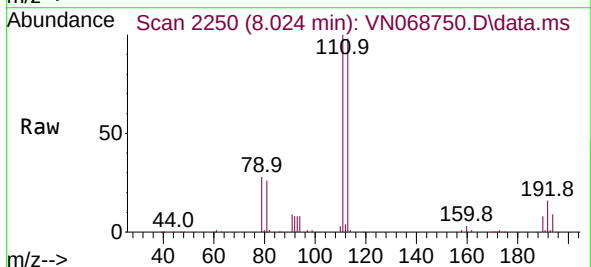
Instrument :
MSVOA_N
ClientSampled :

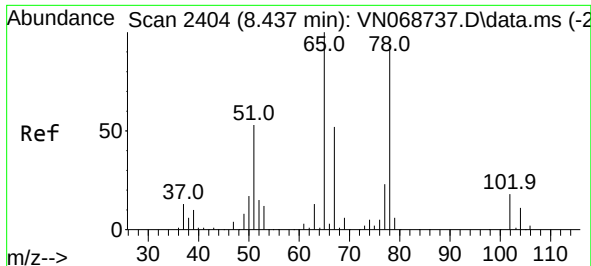
Tgt Ion: 56 Resp: 13526
Ion Ratio Lower Upper
56 100
69 141.3 27.3 40.9#
84 98.1 64.9 97.3#



#32
1,1,1-Trichloroethane
Concen: 0.291 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.008 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 97 Resp: 3244
Ion Ratio Lower Upper
97 100
99 0.0 50.2 75.2#
61 33.5 38.2 57.2#



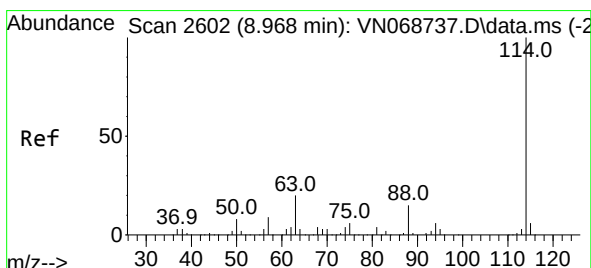
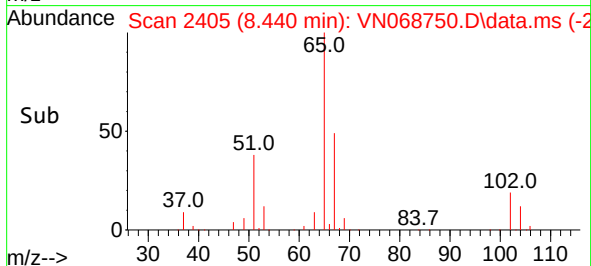
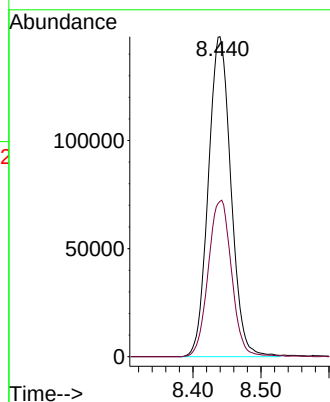
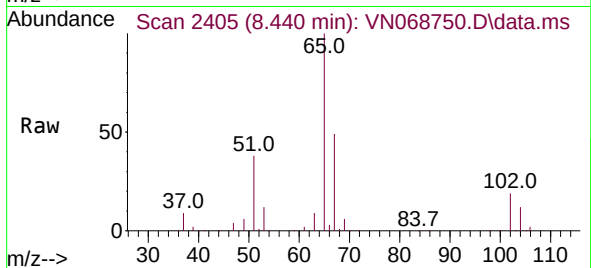


#33

1,2-Dichloroethane-d4
Concen: 48.410 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Instrument :
MSVOA_N
ClientSampled :

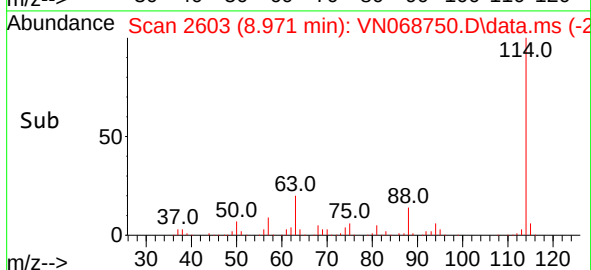
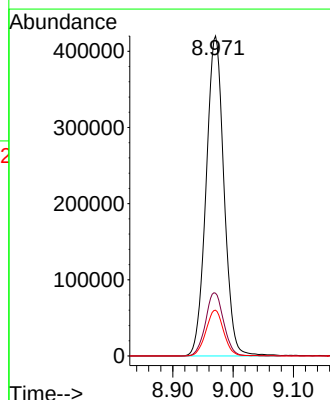
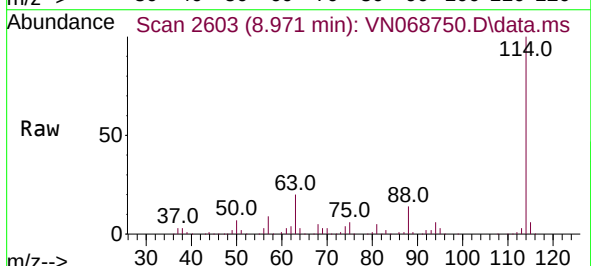
Tgt Ion: 65 Resp: 342379
Ion Ratio Lower Upper
65 100
67 50.5 0.0 98.6

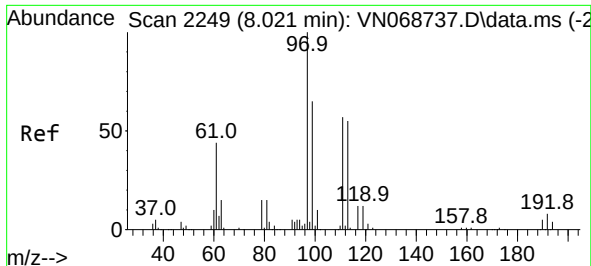


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 114 Resp: 863830
Ion Ratio Lower Upper
114 100
63 19.6 0.0 49.0
88 14.3 0.0 36.6

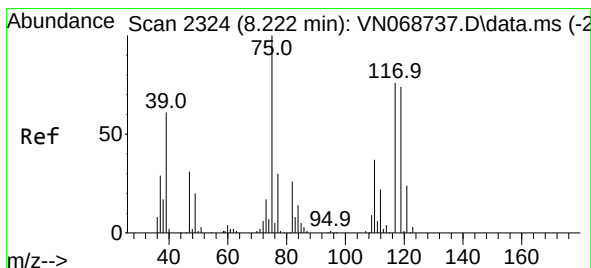
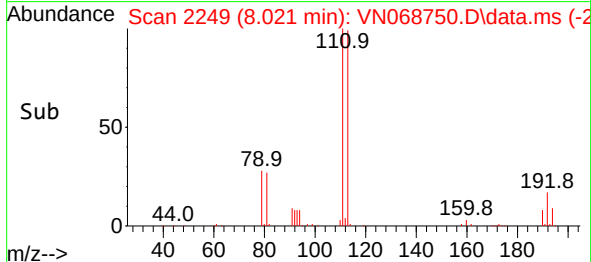
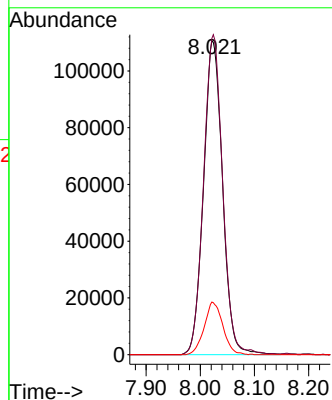
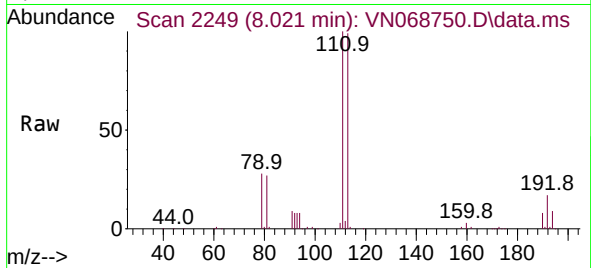




#35
Dibromofluoromethane
Concen: 50.350 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

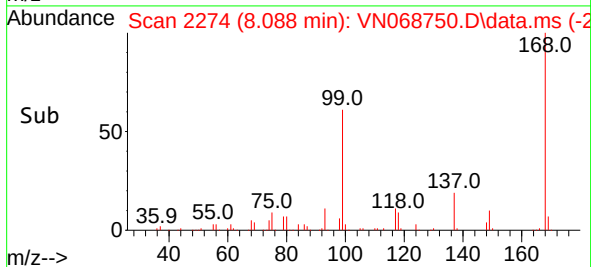
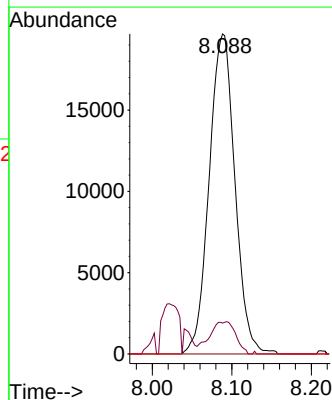
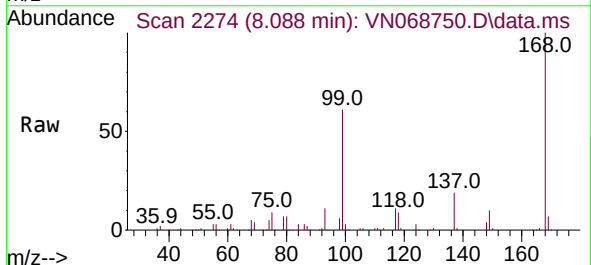
Instrument :
MSVOA_N
ClientSampled :

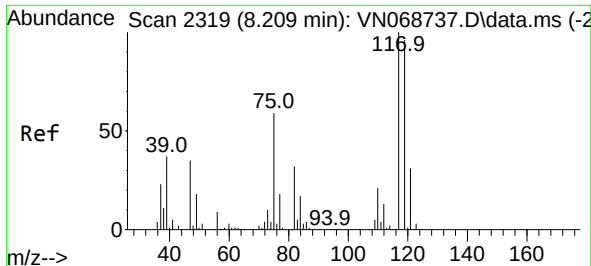
Tgt Ion:113 Resp: 270238
Ion Ratio Lower Upper
113 100
111 101.1 83.8 125.8
192 16.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.460 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 75 Resp: 44362
Ion Ratio Lower Upper
75 100
110 3.5 15.7 47.0#
77 0.0 24.6 37.0#

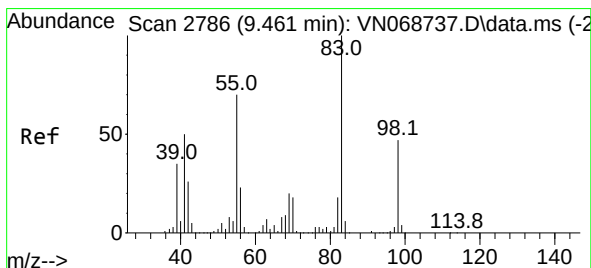
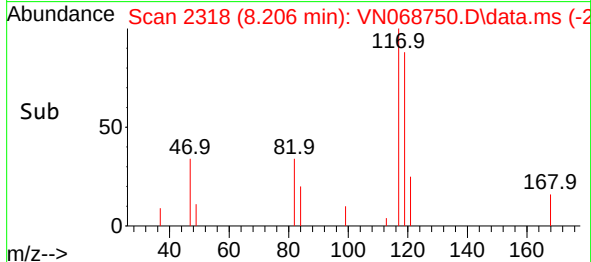
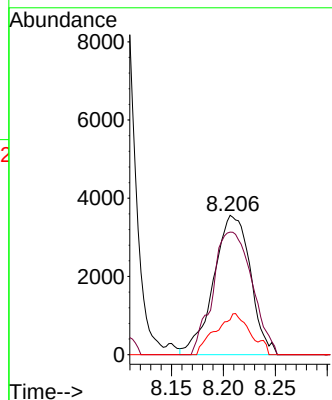
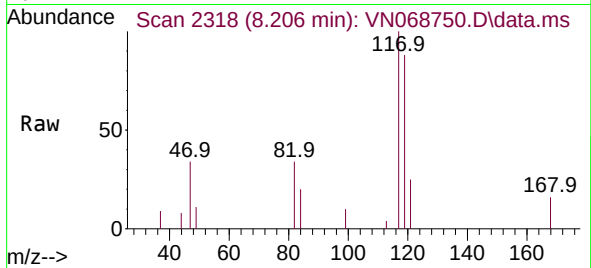




#38
Carbon Tetrachloride
Concen: 0.911 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. -0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

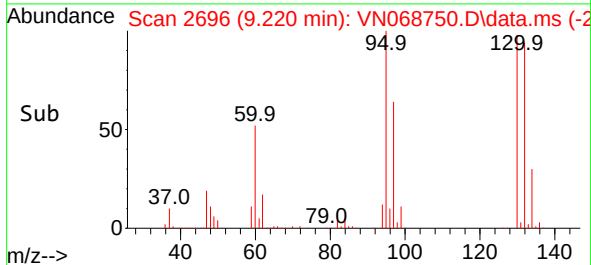
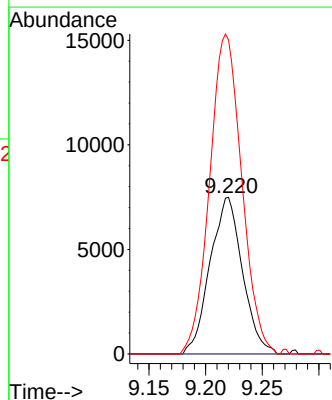
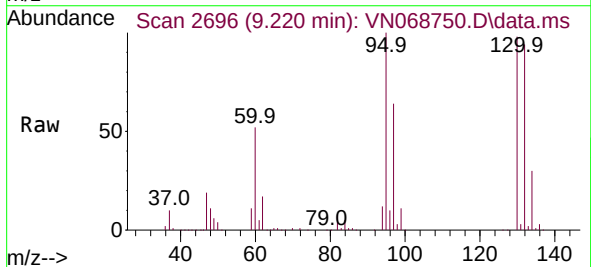
Instrument :
MSVOA_N
ClientSampleId :

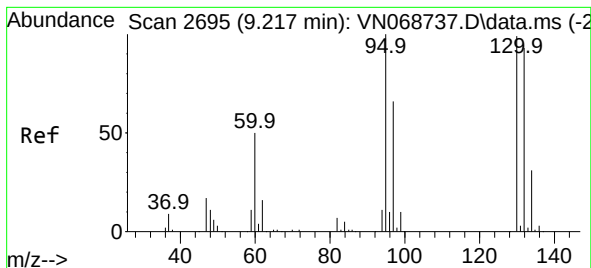
Tgt Ion:117 Resp: 8795
Ion Ratio Lower Upper
117 100
119 88.0 75.4 113.2
121 25.1 23.5 35.3



#39
Methylcyclohexane
Concen: 1.583 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.241 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 83 Resp: 14910
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 200.6 35.3 52.9#





#44

Trichloroethene

Concen: 173.942 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

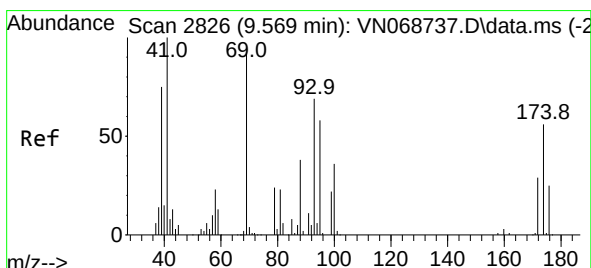
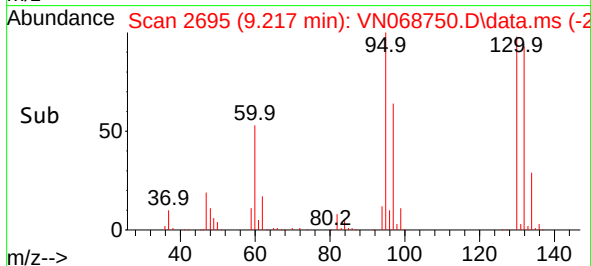
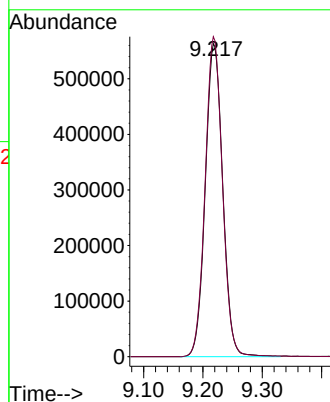
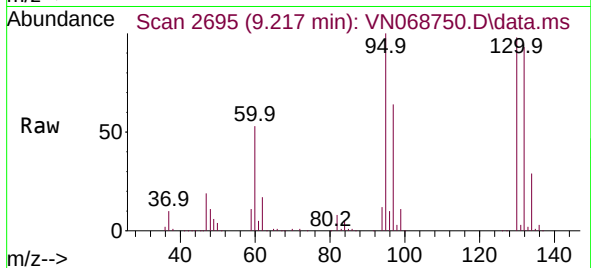
Lab File: VN068750.D

Acq: 29 Sep 2021 19:56

Tgt Ion:130 Resp: 1148577

Ion Ratio Lower Upper

130	100		
95	102.3	0.0	234.4



#49

1,4-Dioxane

Concen: 13.694 ug/l

RT: 9.582 min Scan# 2831

Delta R.T. 0.013 min

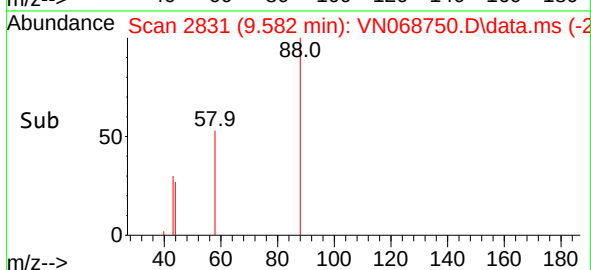
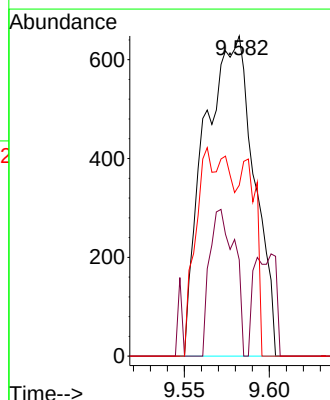
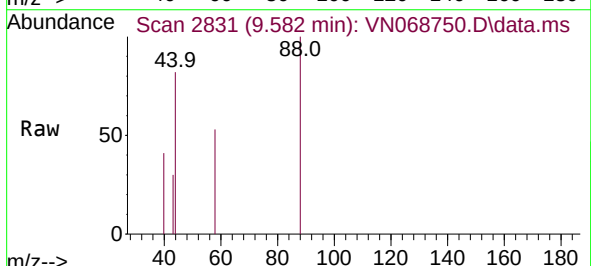
Lab File: VN068750.D

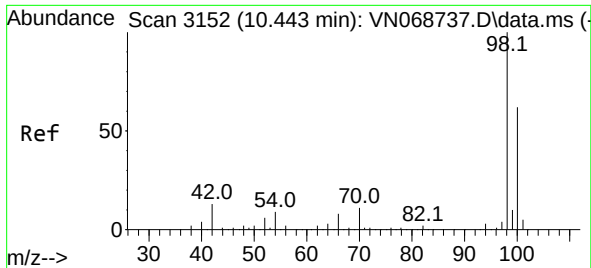
Acq: 29 Sep 2021 19:56

Tgt Ion: 88 Resp: 1317

Ion Ratio Lower Upper

88	100		
43	14.1	28.8	43.2#
58	0.0	60.4	90.6#

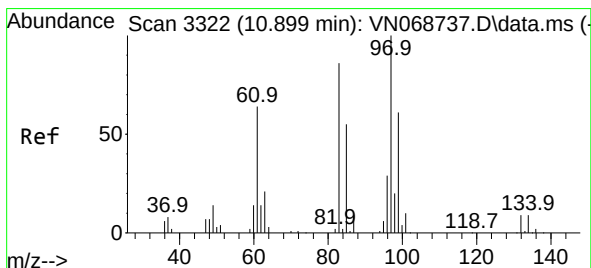
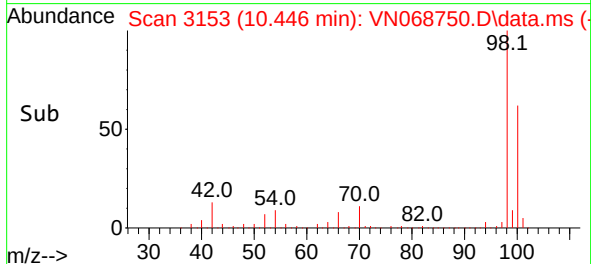
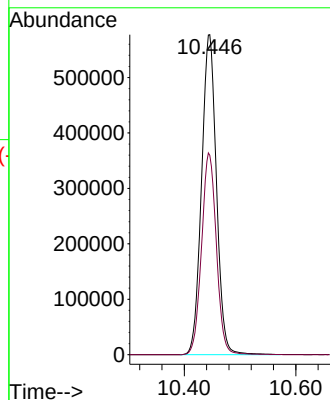
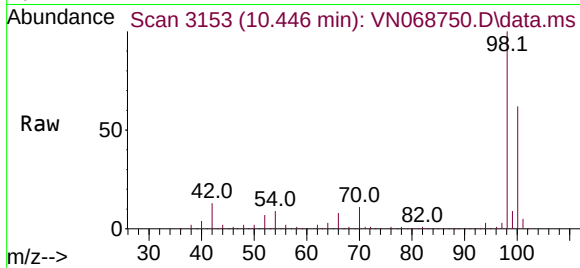




#50
Toluene-d8
Concen: 54.548 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

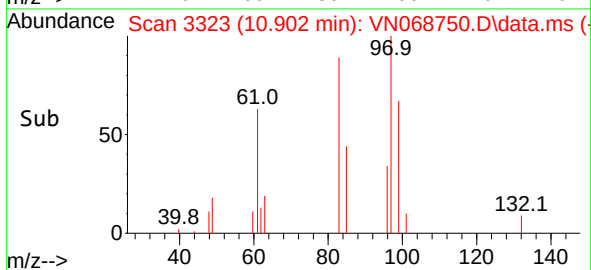
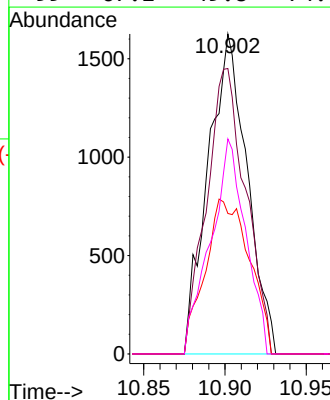
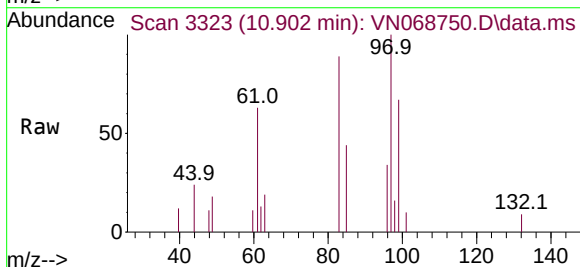
Instrument :
MSVOA_N
ClientSampled :

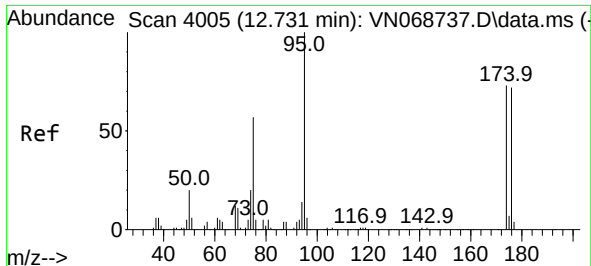
Tgt Ion: 98 Resp: 1069824
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.388 ug/l
RT: 10.902 min Scan# 3323
Delta R.T. 0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 97 Resp: 2718
Ion Ratio Lower Upper
97 100
83 89.2 72.0 108.0
85 43.9 46.8 70.2#
99 67.2 49.8 74.6

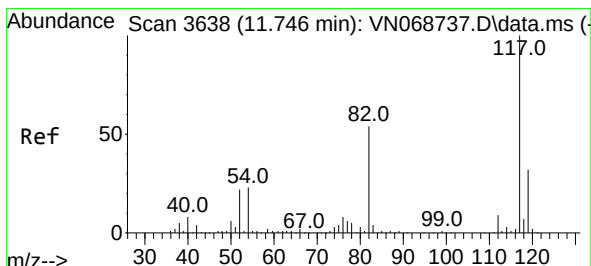
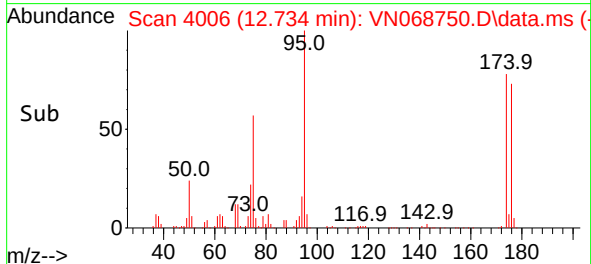
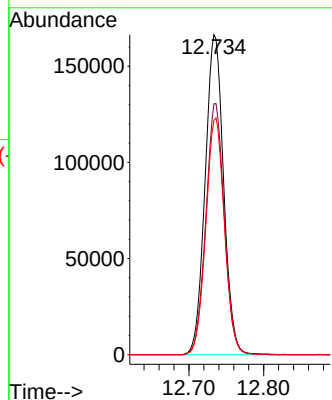
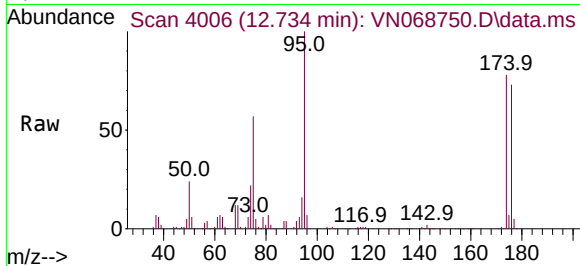




#62
4-Bromofluorobenzene
Concen: 41.879 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

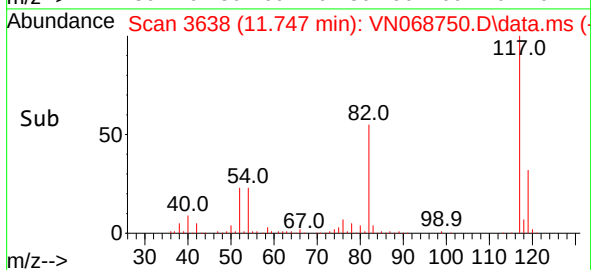
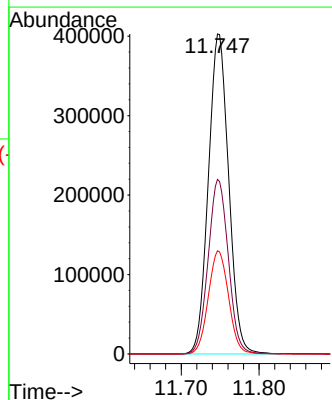
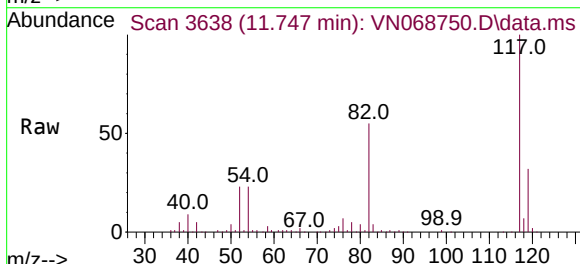
Instrument :
MSVOA_N
ClientSampleId :

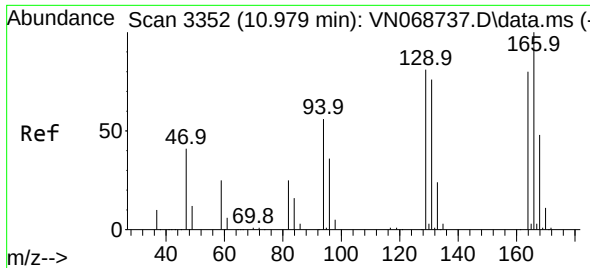
Tgt Ion: 95 Resp: 285403
Ion Ratio Lower Upper
95 100
174 78.7 0.0 122.0
176 74.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 117 Resp: 728696
Ion Ratio Lower Upper
117 100
82 54.6 53.1 79.7
119 32.2 25.5 38.3



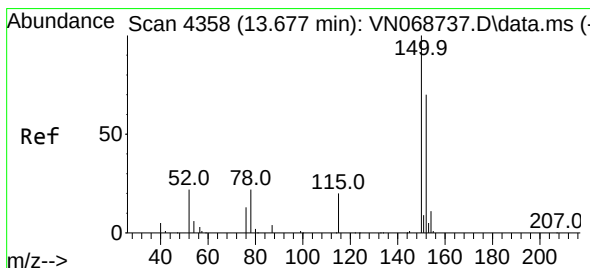
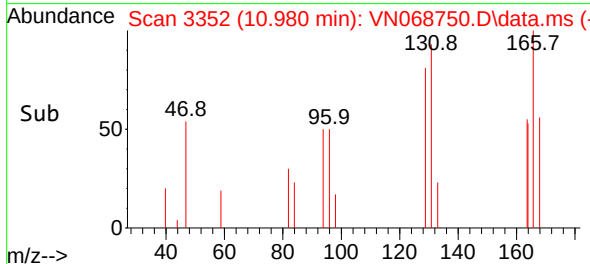
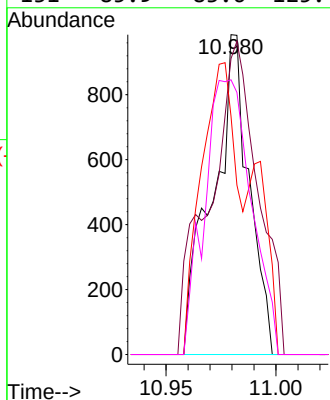
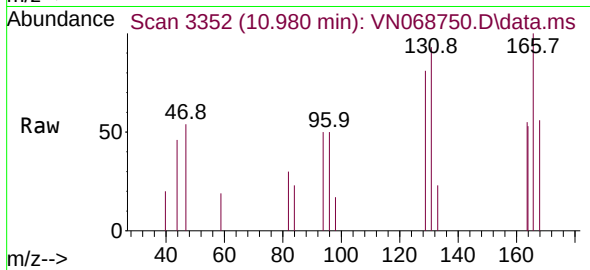


#64
Tetrachloroethene
Concen: 0.209 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.001 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:164 Resp: 1138

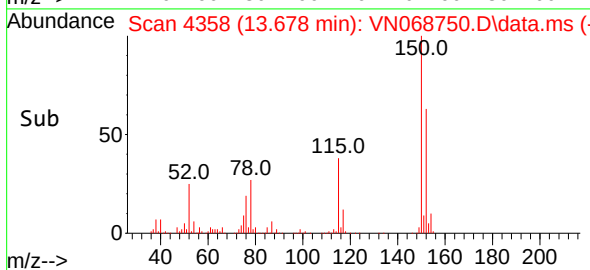
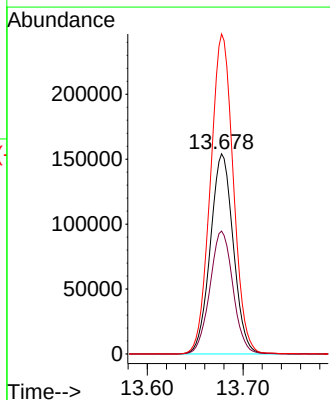
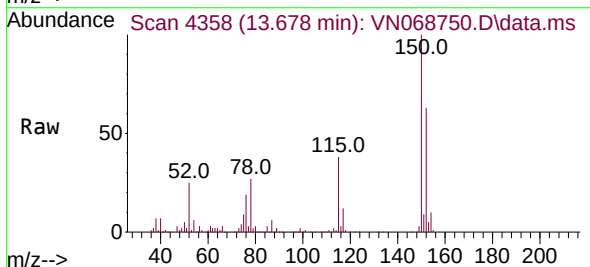
Ion	Ratio	Lower	Upper
164	100		
166	92.5	102.1	153.1#
129	74.5	86.9	130.3#
131	85.9	83.6	125.4

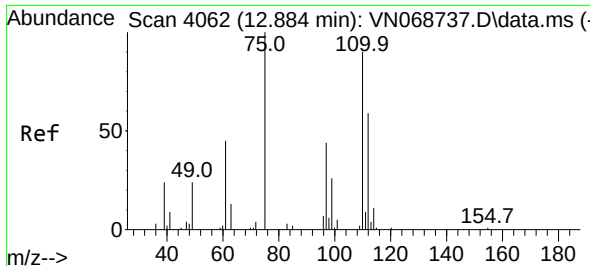


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion:152 Resp: 256419

Ion	Ratio	Lower	Upper
152	100		
115	61.6	36.1	108.5
150	159.1	0.0	351.8

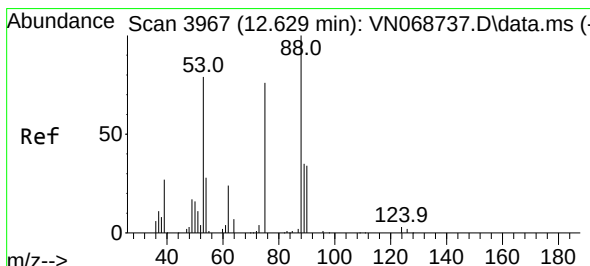
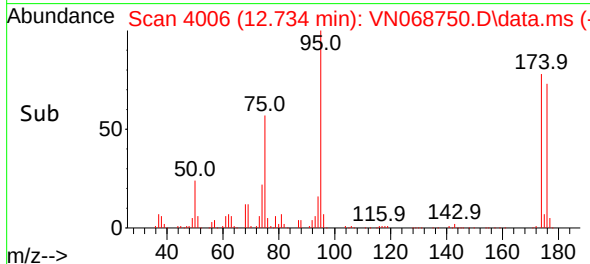
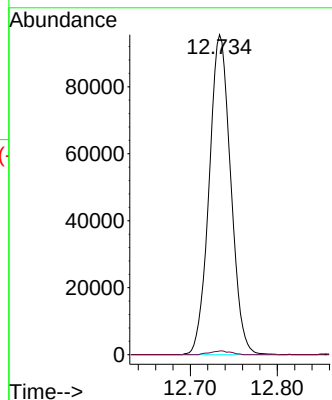
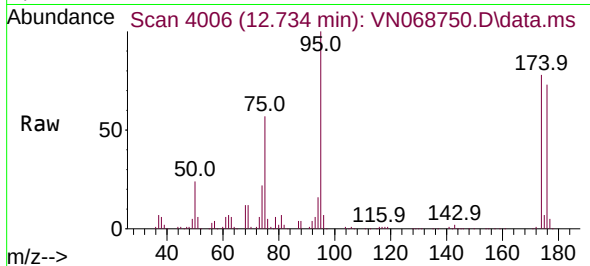




#76
1,2,3-Trichloropropane
Concen: 28.880 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

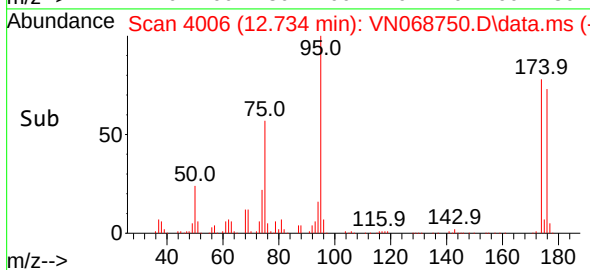
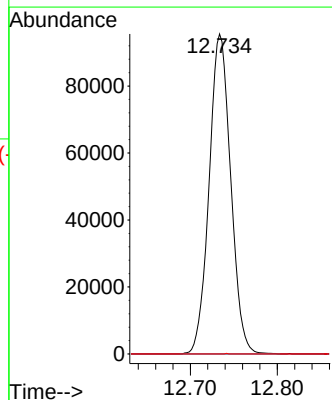
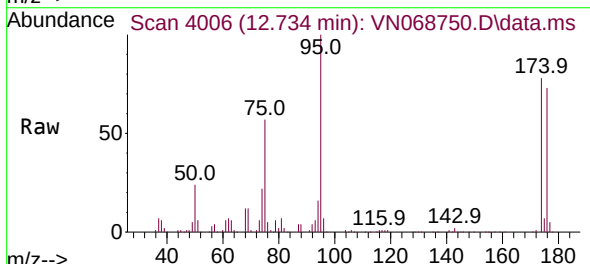
Instrument :
MSVOA_N
ClientSampled :

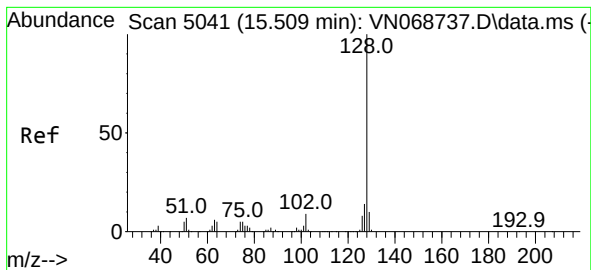
Tgt Ion: 75 Resp: 164686
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.953 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Tgt Ion: 75 Resp: 164686
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.601 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN068750.D
Acq: 29 Sep 2021 19:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1915
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 1.3 8.6 12.8#

