

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100121\
 Data File : VN068782.D
 Acq On : 1 Oct 2021 14:46
 Operator : JC/MD
 Sample : M3915-09DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20210921DL

Quant Time: Oct 02 03:59:31 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)

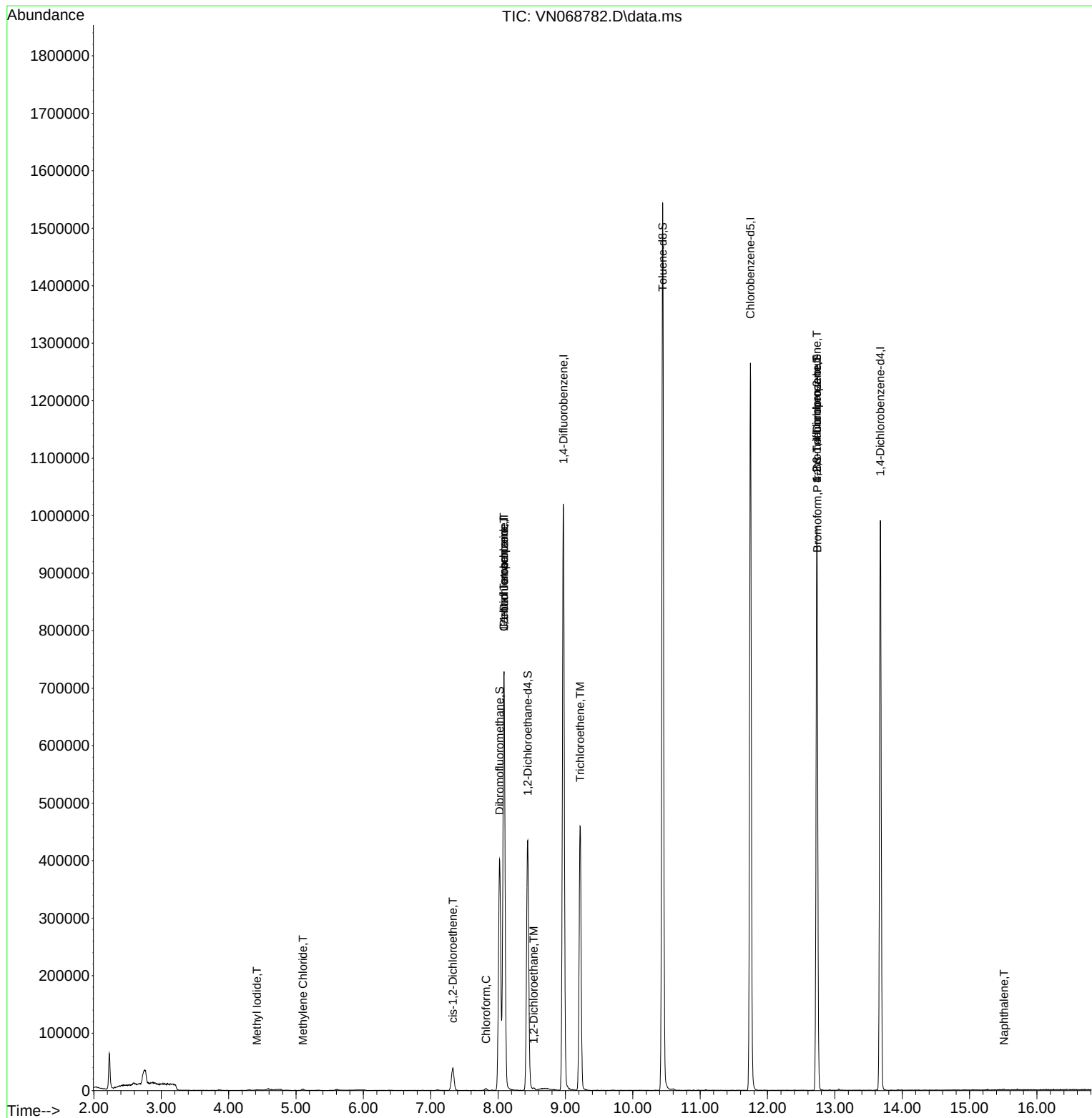
Internal Standards						
1) Pentafluorobenzene	8.088	168	507504	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	883824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	715583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	253870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	357879	50.611	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.220%		
35) Dibromofluoromethane	8.021	113	285164	51.929	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 103.860%		
50) Toluene-d8	10.443	98	1058795	52.764	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.520%		
62) 4-Bromofluorobenzene	12.734	95	314411	45.092	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 90.180%		
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	1213	Below Cal		93
5) Bromomethane	2.864	94	3161	Below Cal	#	78
6) Chloroethane	3.014	64	160	Below Cal	#	44
10) Methyl Iodide	4.419	142	168	1.383	ug/l #	33
16) Acetone	4.277	43	294	Below Cal	#	48
17) Carbon Disulfide	4.540	76	309	Below Cal	#	74
20) Methylene Chloride	5.103	84	1687	0.275	ug/l #	66
27) cis-1,2-Dichloroethene	7.329	96	22131	3.210	ug/l	76
30) Chloroform	7.820	83	3067	0.245	ug/l	87
31) Cyclohexane	8.086	56	14263	Below Cal	#	51
36) 1,1-Dichloropropene	8.086	75	45047	5.419	ug/l #	51
38) Carbon Tetrachloride	8.086	117	58336	5.908	ug/l #	17
42) 1,2-Dichloroethane	8.528	62	2254	0.227	ug/l #	79
44) Trichloroethene	9.220	130	157470	23.308	ug/l	85
71) Bromoform	12.739	173	1381	0.310	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	183094	32.430	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	183094	94.274	ug/l #	6
95) Naphthalene	15.509	128	2002	1.609	ug/l #	69

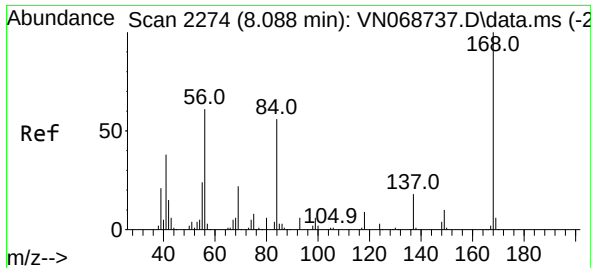
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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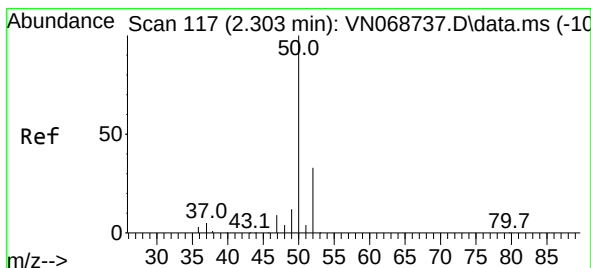
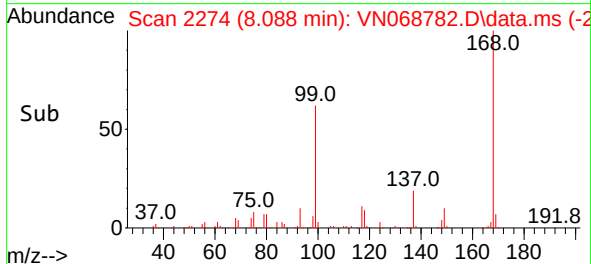
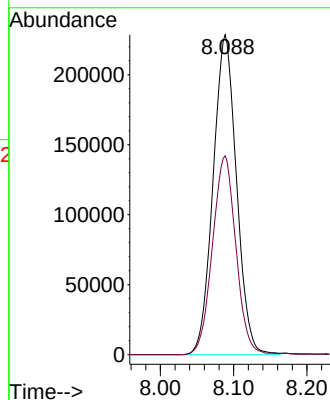
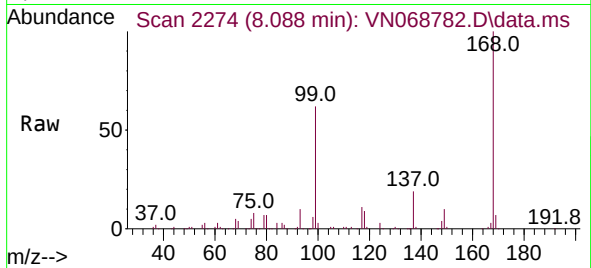




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

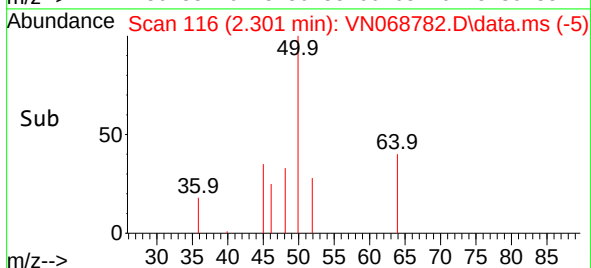
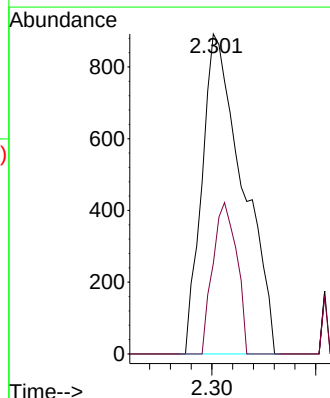
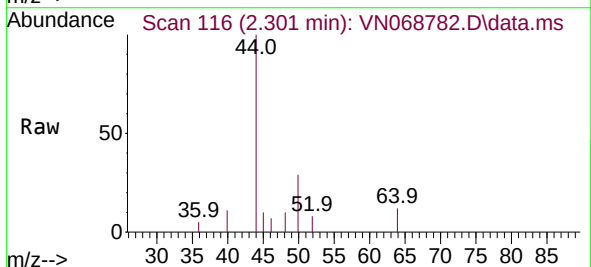
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

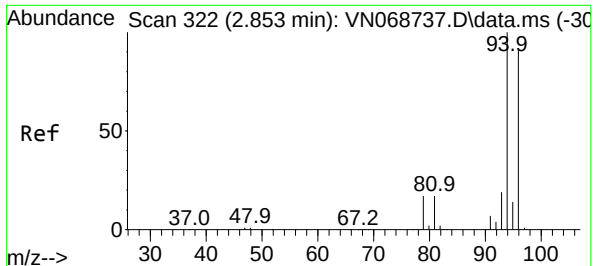
Tgt Ion:168 Resp: 507504
Ion Ratio Lower Upper
168 100
99 62.1 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 50 Resp: 1213
Ion Ratio Lower Upper
50 100
52 28.3 25.6 38.4

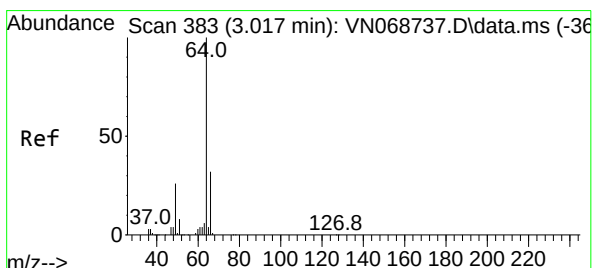
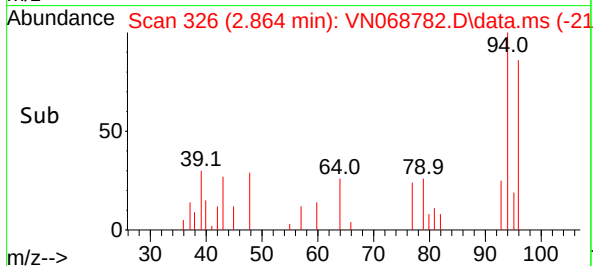
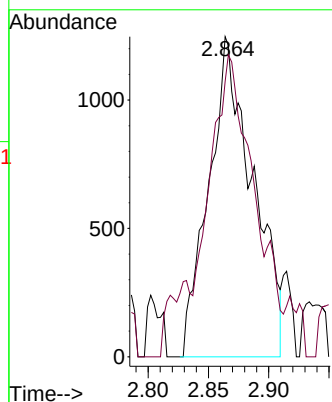
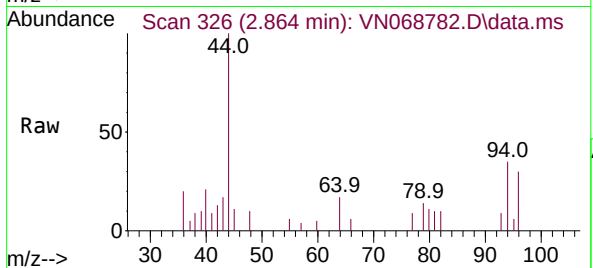




#5
Bromomethane
Concen: Below Cal
RT: 2.864 min Scan# 326
Delta R.T. 0.011 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

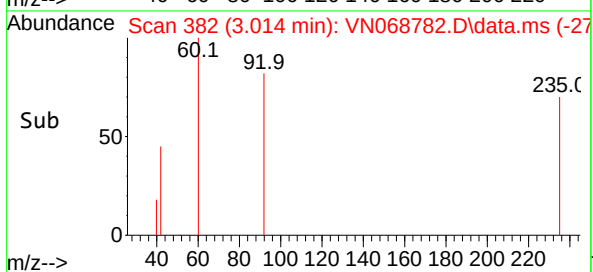
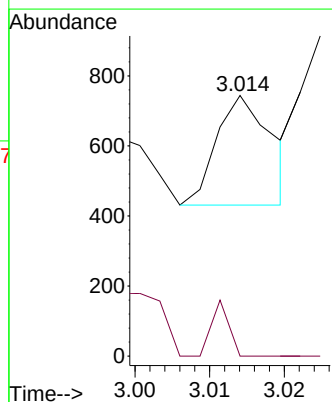
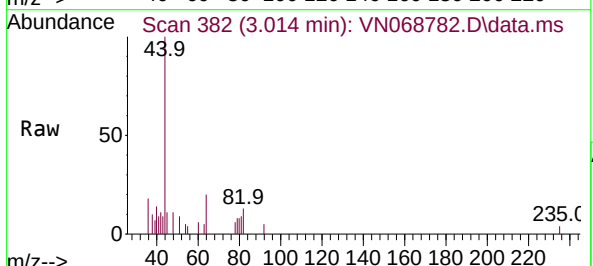
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

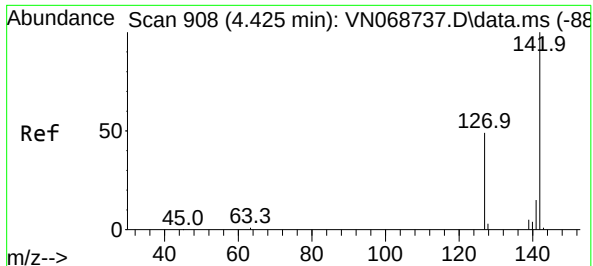
Tgt Ion: 94 Resp: 3161
Ion Ratio Lower Upper
94 100
96 71.5 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. -0.003 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 64 Resp: 160
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

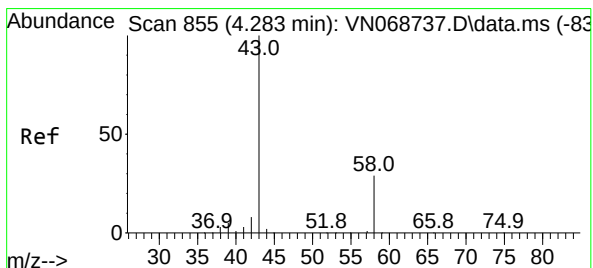
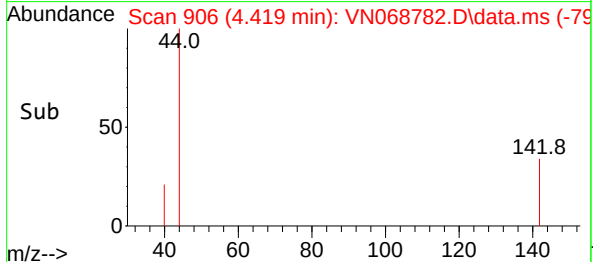
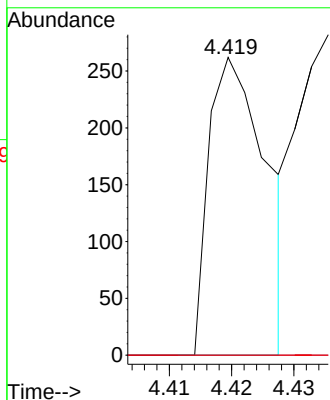
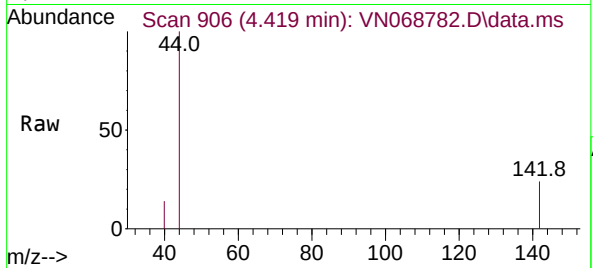




#10
Methyl Iodide
Concen: 1.383 ug/l
RT: 4.419 min Scan# 906
Delta R.T. -0.006 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

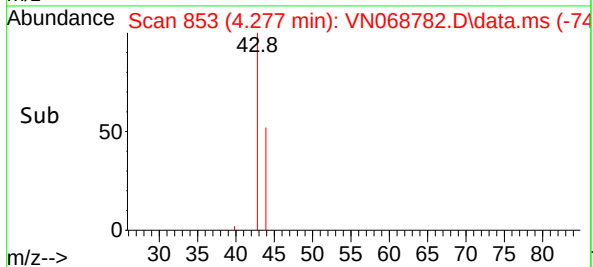
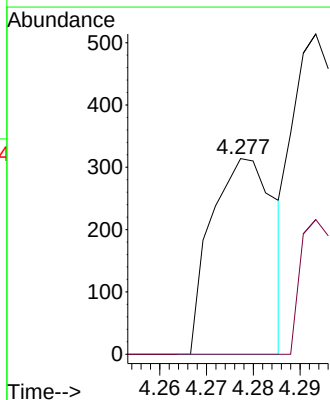
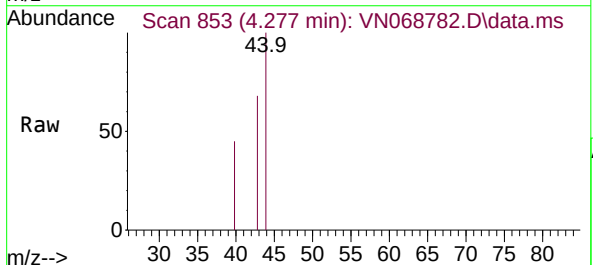
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

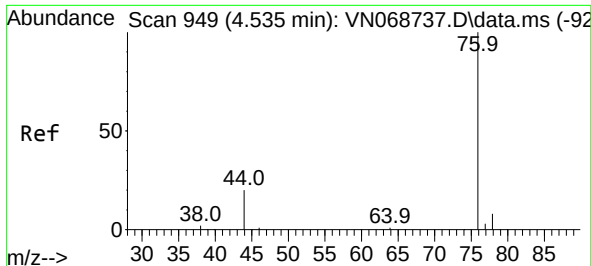
Tgt Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#16
Acetone
Concen: Below Cal
RT: 4.277 min Scan# 853
Delta R.T. -0.006 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

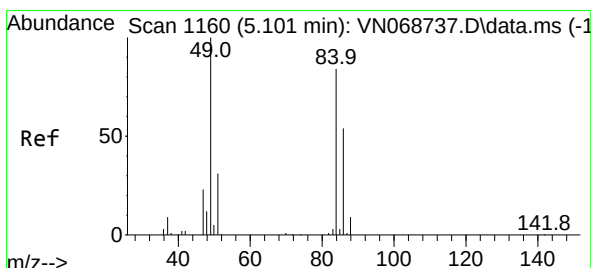
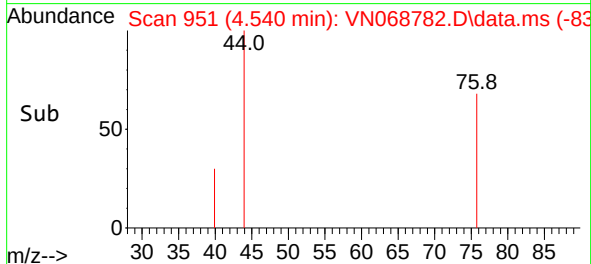
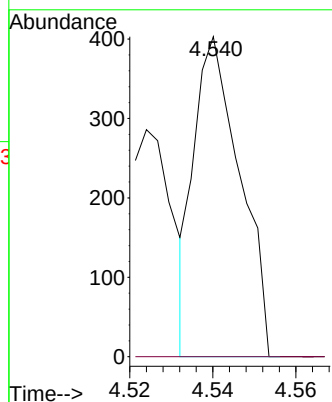
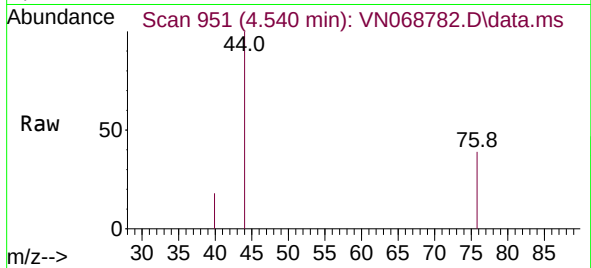




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.540 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

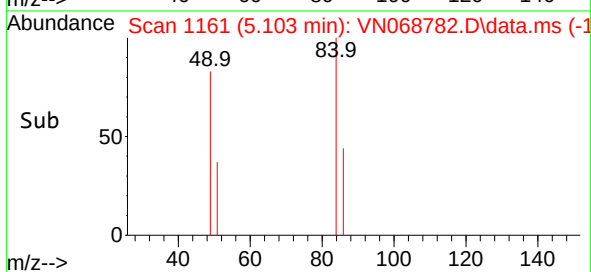
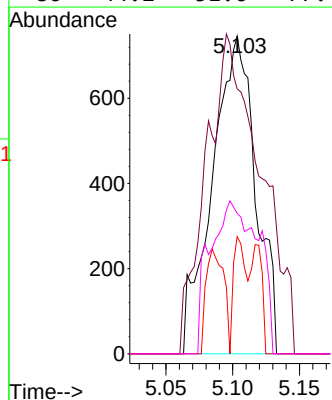
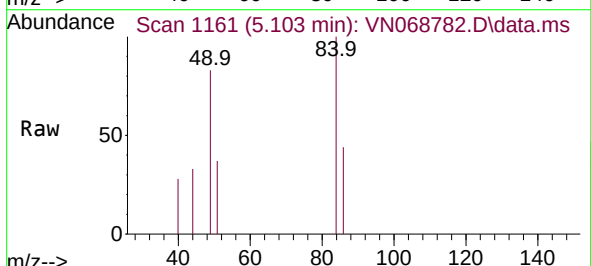
Instrument :
MSVOA_N
ClientSampleId :
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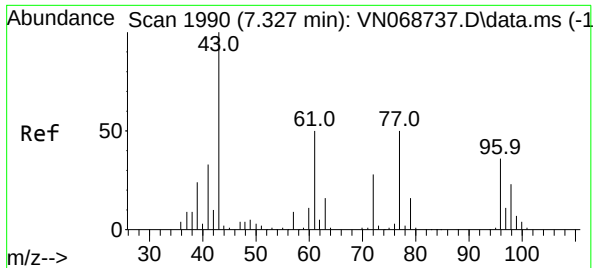
Tgt Ion: 76 Resp: 309
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: 0.275 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.002 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 84 Resp: 1687
Ion Ratio Lower Upper
84 100
49 83.4 110.9 166.3#
51 36.9 32.6 49.0
86 44.2 51.6 77.4#

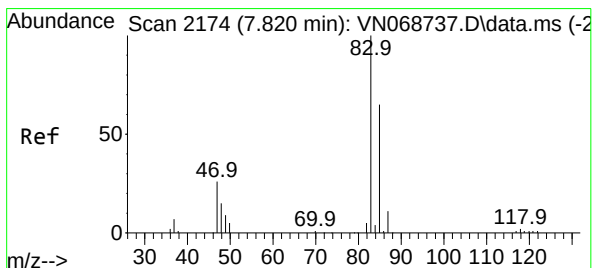
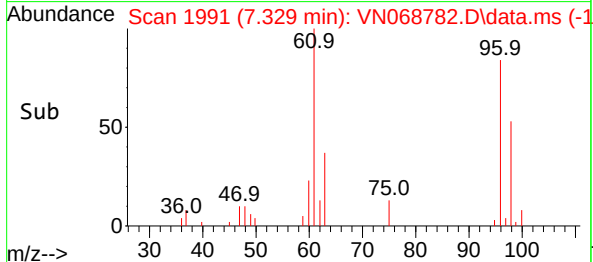
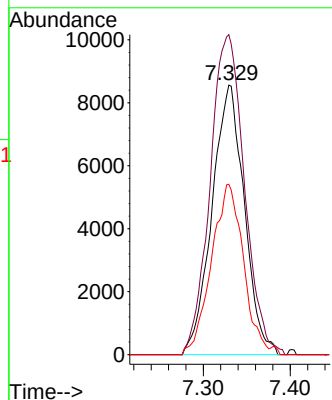
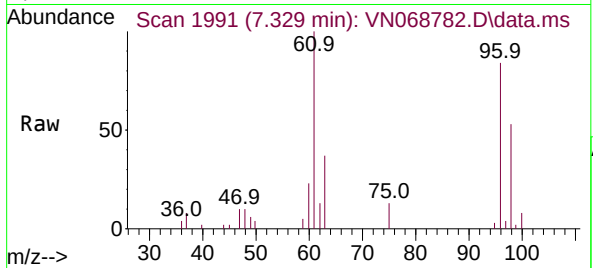




#27
 cis-1,2-Dichloroethene
 Concen: 3.210 ug/l
 RT: 7.329 min Scan# 1991
 Delta R.T. 0.002 min
 Lab File: VN068782.D
 Acq: 1 Oct 2021 14:46

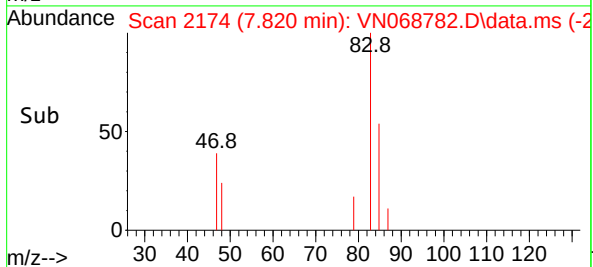
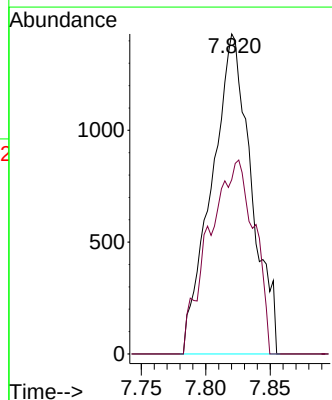
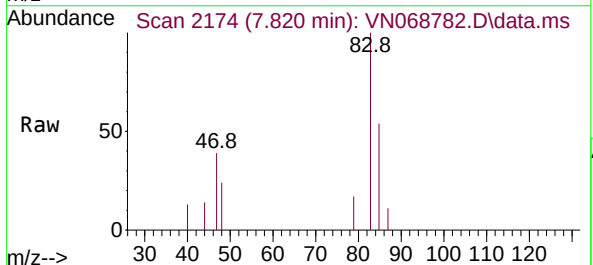
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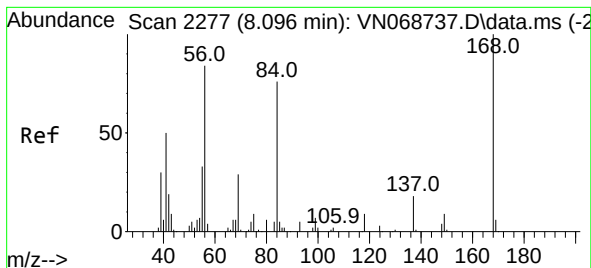
Tgt Ion: 96 Resp: 22131
 Ion Ratio Lower Upper
 96 100
 61 125.9 0.0 338.8
 98 62.3 0.0 129.8



#30
 Chloroform
 Concen: 0.245 ug/l
 RT: 7.820 min Scan# 2174
 Delta R.T. 0.000 min
 Lab File: VN068782.D
 Acq: 1 Oct 2021 14:46

Tgt Ion: 83 Resp: 3067
 Ion Ratio Lower Upper
 83 100
 85 54.4 51.5 77.3

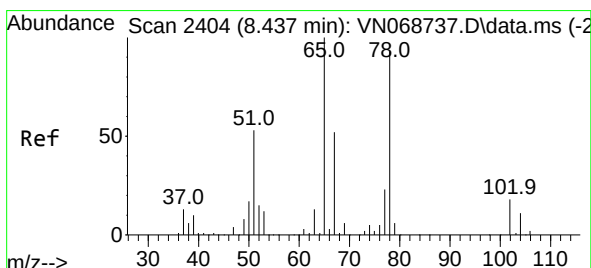
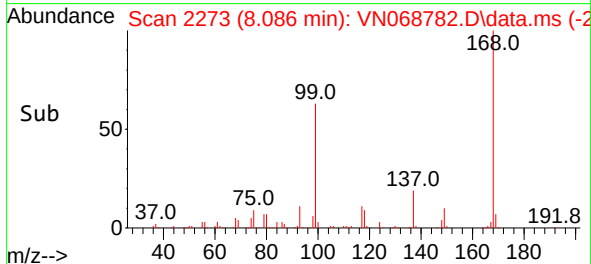
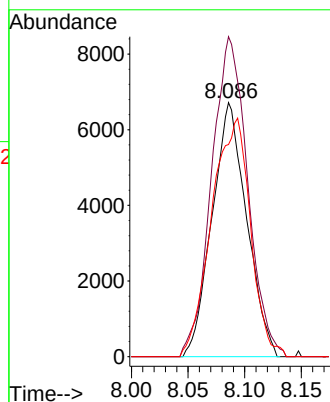
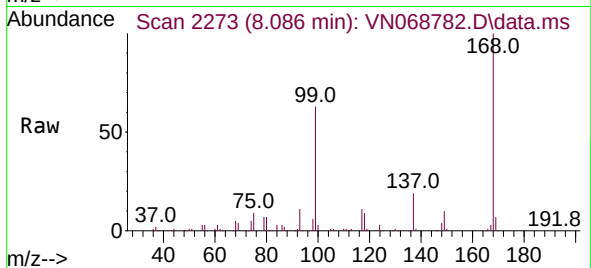




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

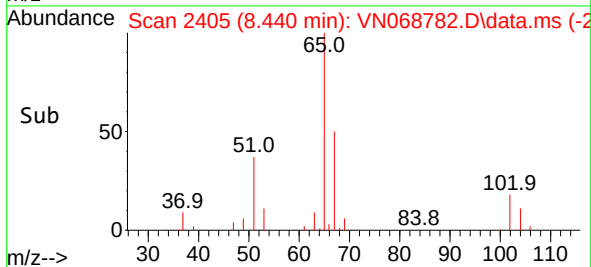
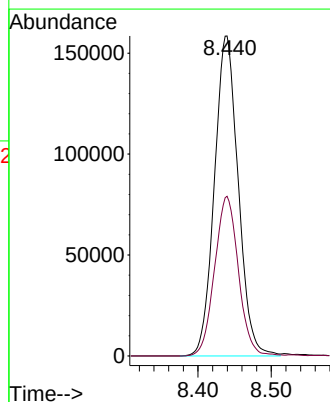
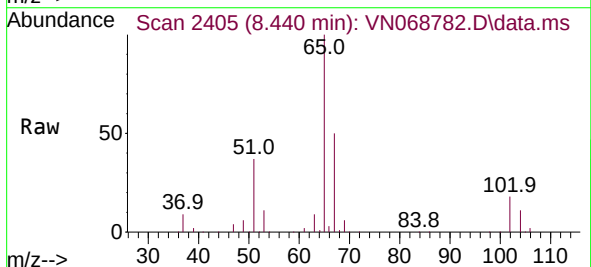
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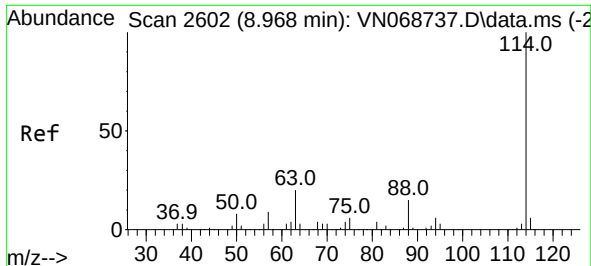
Tgt Ion: 56 Resp: 14263
Ion Ratio Lower Upper
56 100
69 126.0 27.3 40.9#
84 83.5 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 50.611 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

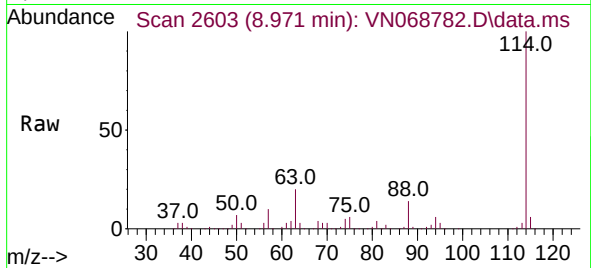
Tgt Ion: 65 Resp: 357879
Ion Ratio Lower Upper
65 100
67 49.9 0.0 98.6



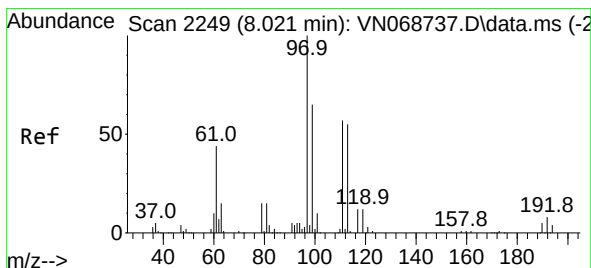
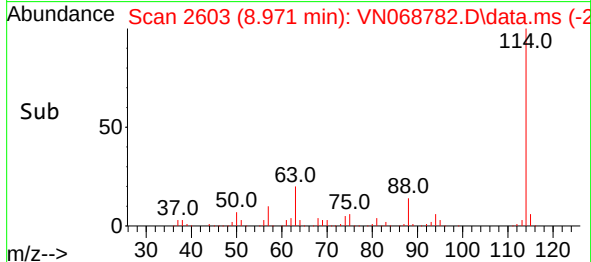
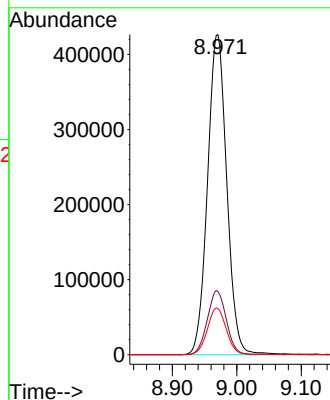


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

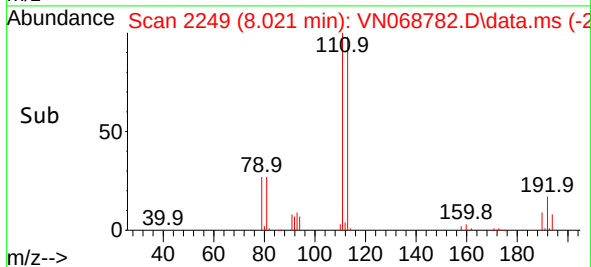
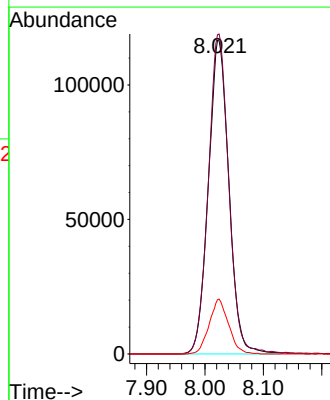
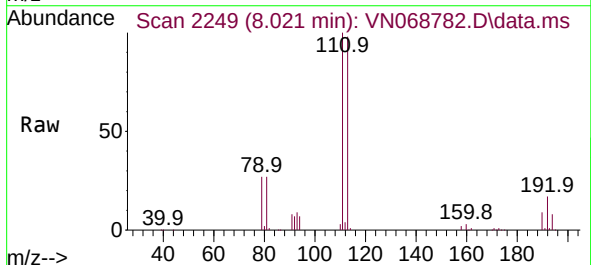


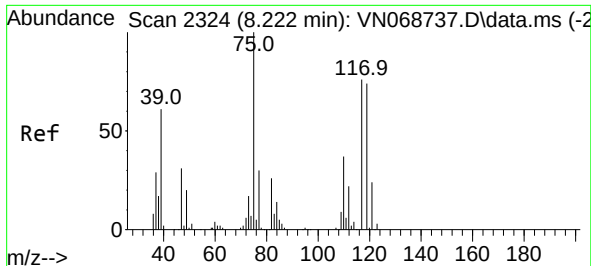
Tgt Ion:114 Resp: 883824
Ion Ratio Lower Upper
114 100
63 19.7 0.0 49.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.929 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion:113 Resp: 285164
Ion Ratio Lower Upper
113 100
111 101.2 83.8 125.8
192 16.5 13.4 20.0

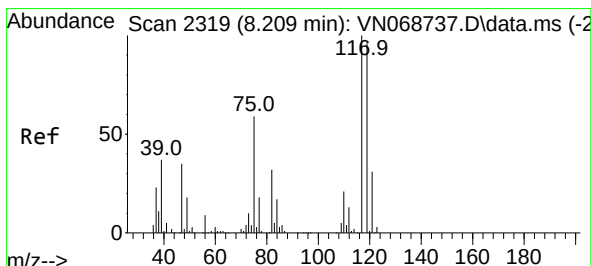
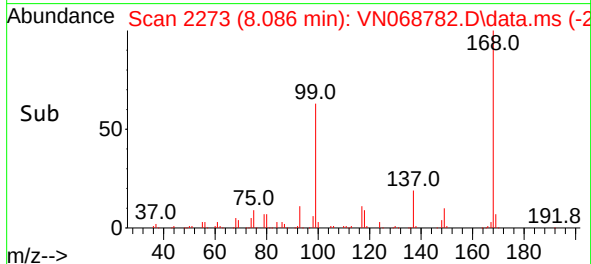
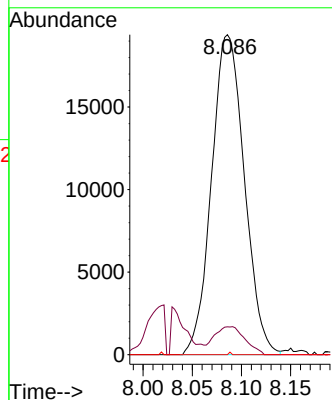
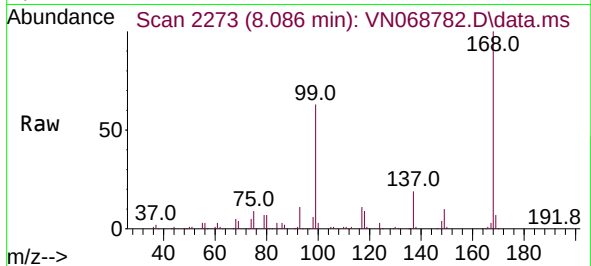




#36
1,1-Dichloropropene
Concen: 5.419 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

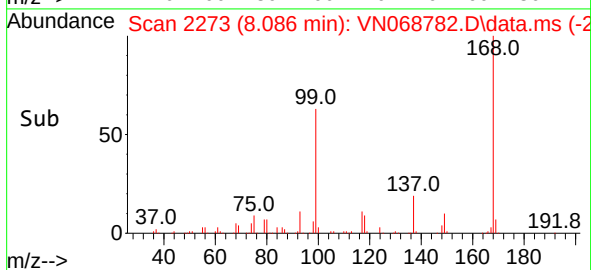
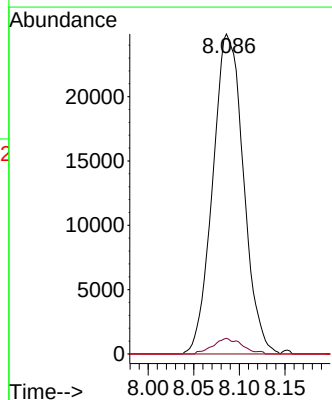
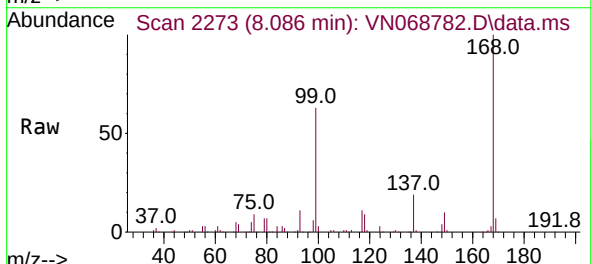
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

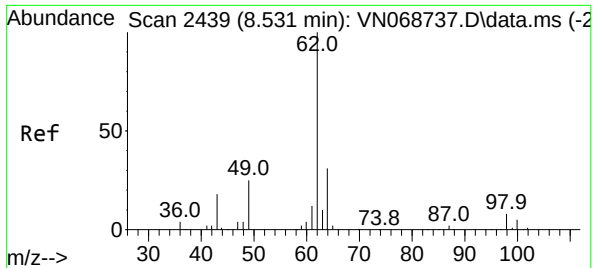
Tgt Ion: 75 Resp: 45047
Ion Ratio Lower Upper
75 100
110 8.3 15.7 47.0#
77 0.1 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 117 Resp: 58336
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

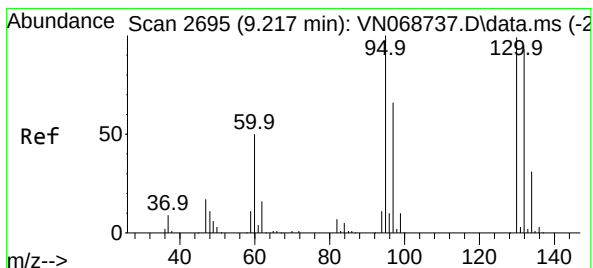
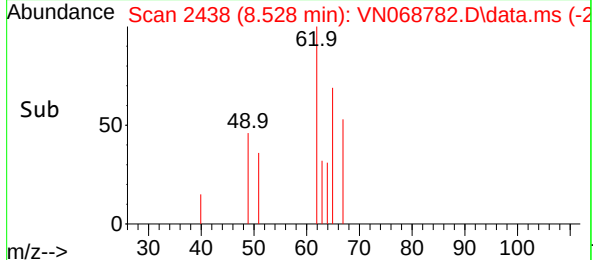
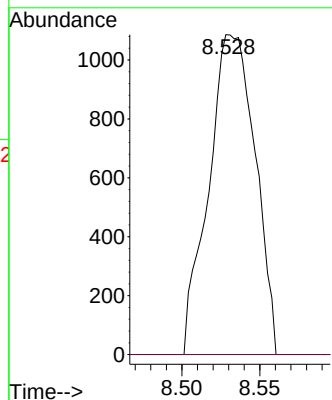
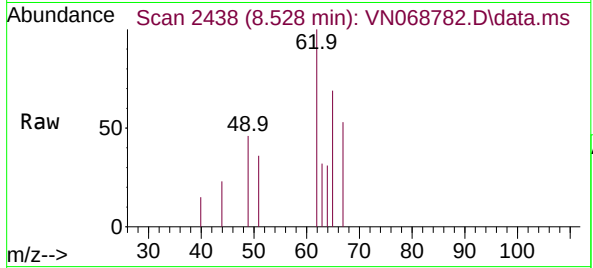




#42
1,2-Dichloroethane
Concen: 0.227 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

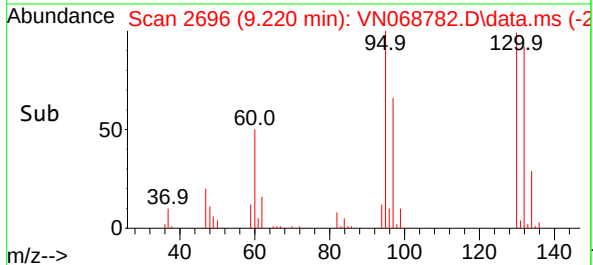
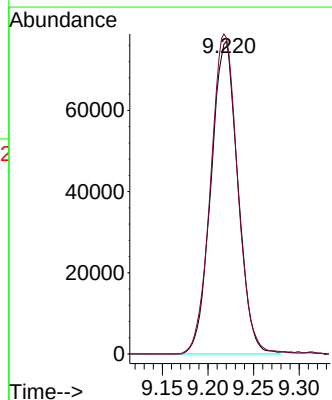
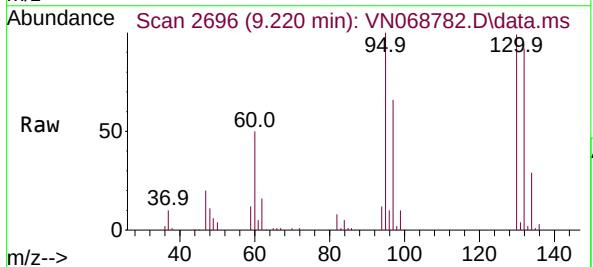
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

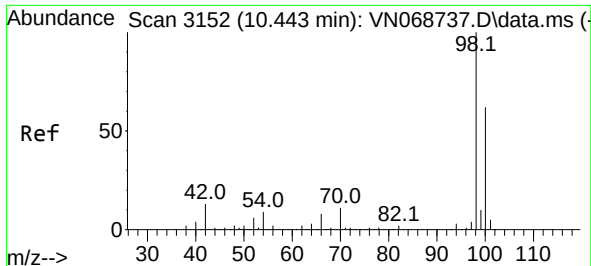
Tgt Ion: 62 Resp: 2254
Ion Ratio Lower Upper
62 100
98 0.0 0.0 14.2



#44
Trichloroethene
Concen: 23.308 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.003 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion:130 Resp: 157470
Ion Ratio Lower Upper
130 100
95 101.0 0.0 234.4

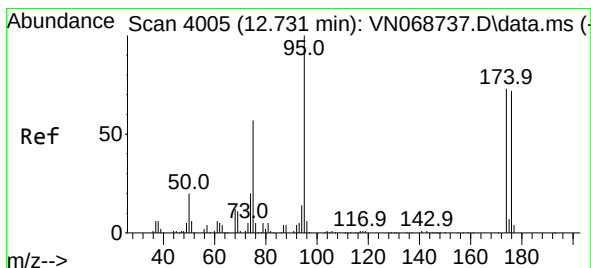
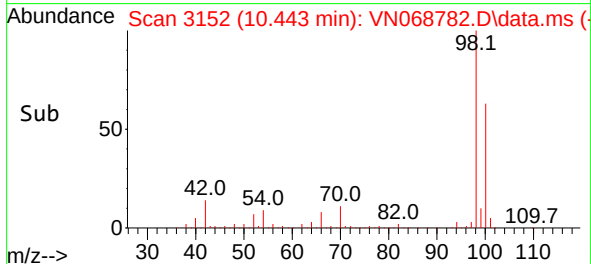
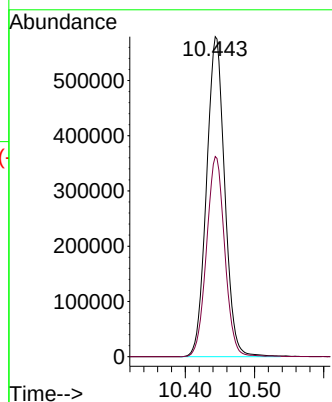
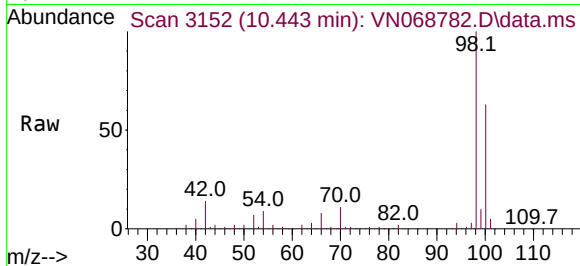




#50
Toluene-d8
Concen: 52.764 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

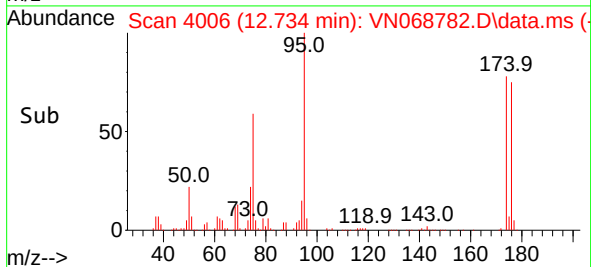
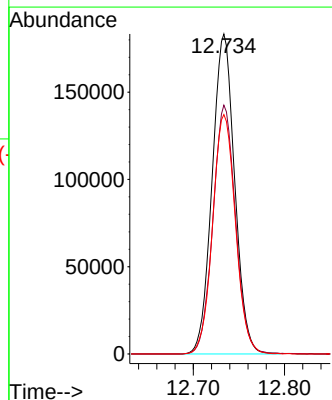
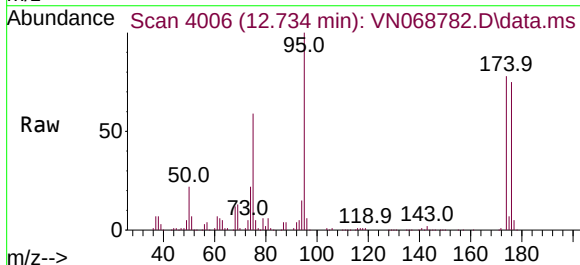
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

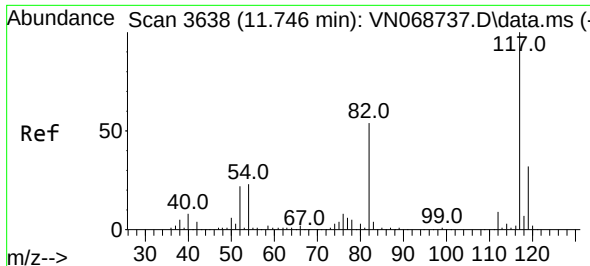
Tgt Ion: 98 Resp: 1058795
Ion Ratio Lower Upper
98 100
100 62.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.092 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 95 Resp: 314411
Ion Ratio Lower Upper
95 100
174 77.8 0.0 122.0
176 75.9 0.0 117.6

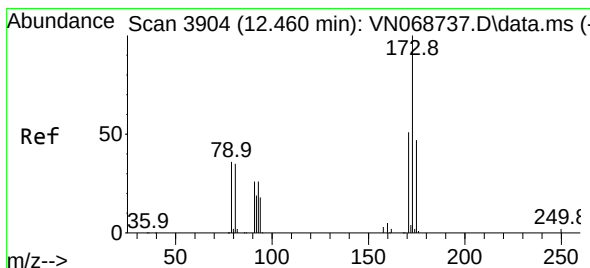
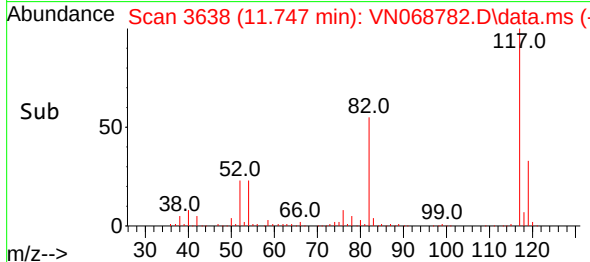
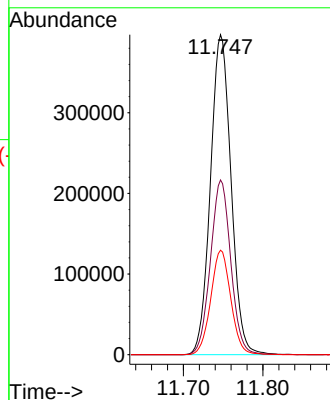
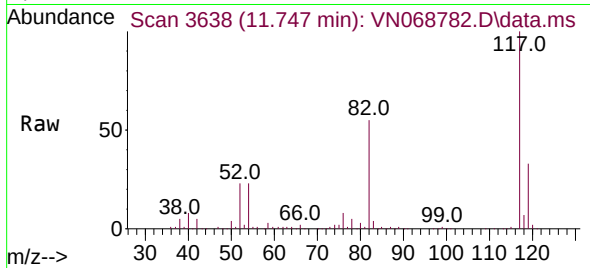




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

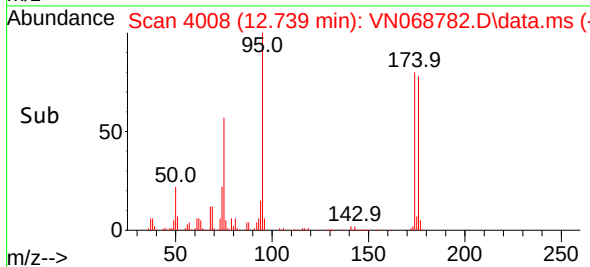
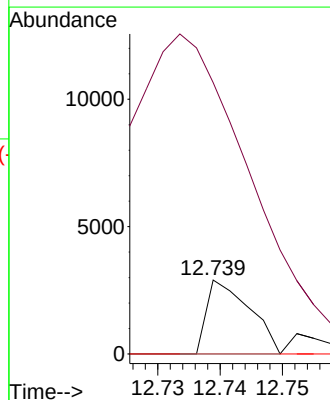
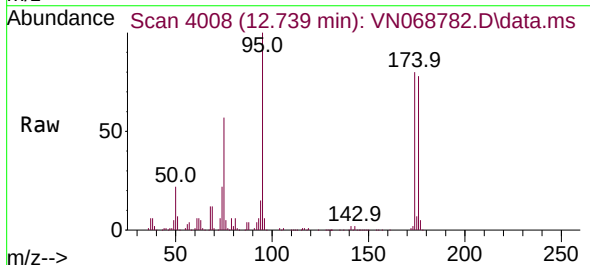
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

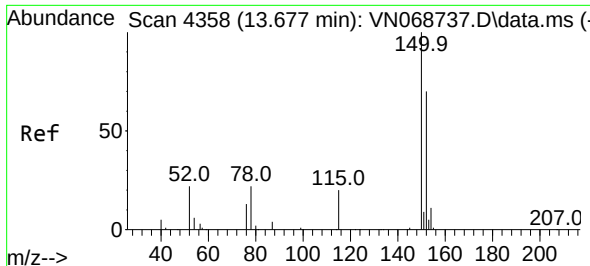
Tgt Ion:117 Resp: 715583
Ion Ratio Lower Upper
117 100
82 54.6 53.1 79.7
119 32.7 25.5 38.3



#71
Bromoform
Concen: 0.310 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion:173 Resp: 1381
Ion Ratio Lower Upper
173 100
175 1378.1 23.9 71.8#
254 0.0 0.0 0.0

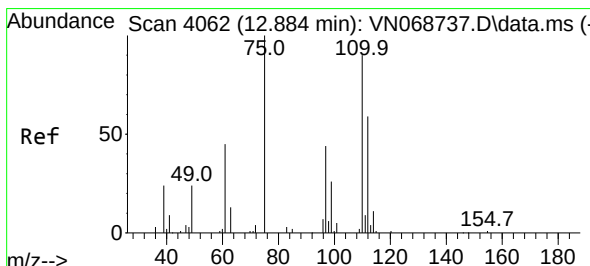
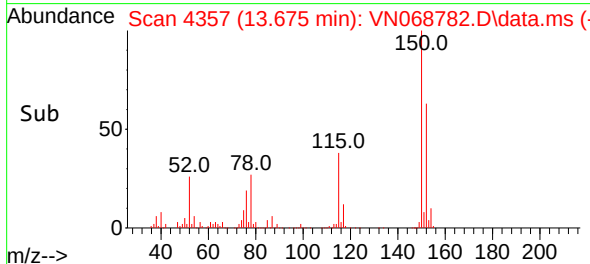
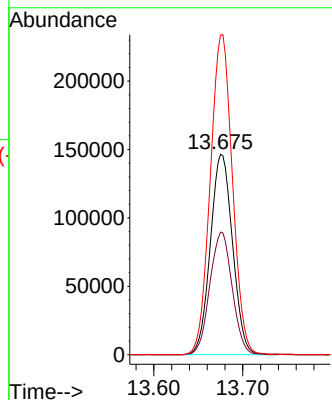
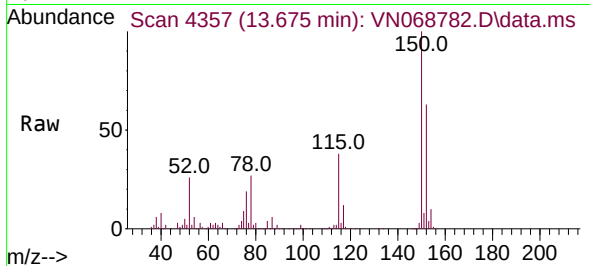




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

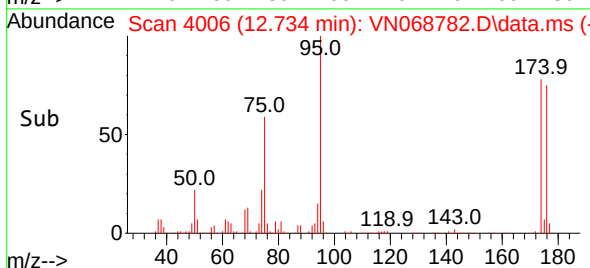
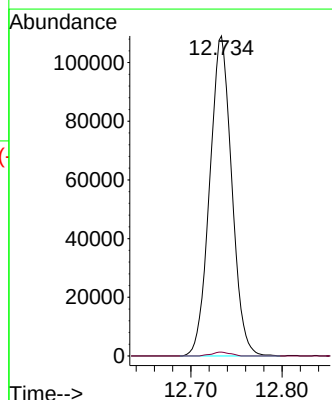
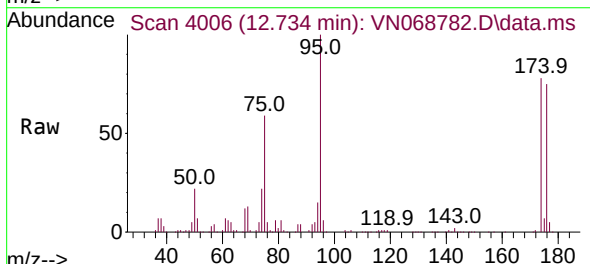
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

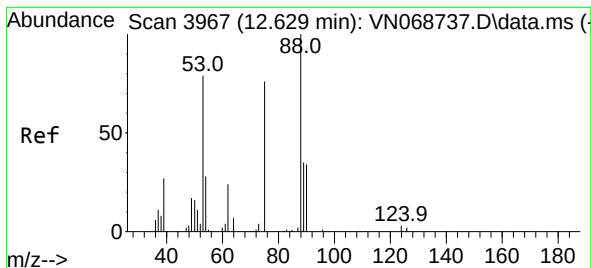
Tgt Ion:152 Resp: 253870
Ion Ratio Lower Upper
152 100
115 61.4 36.1 108.5
150 159.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.430 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion: 75 Resp: 183094
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

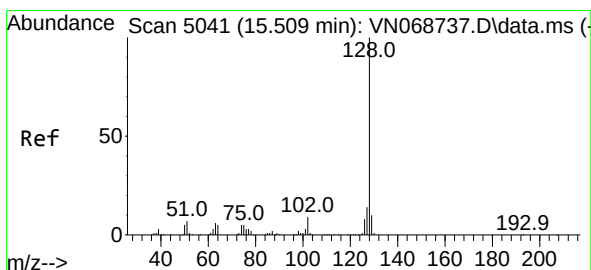
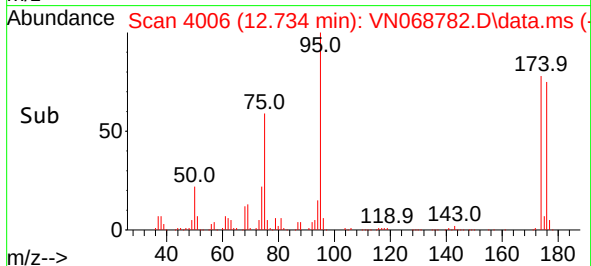
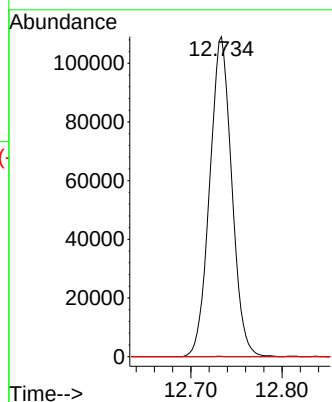
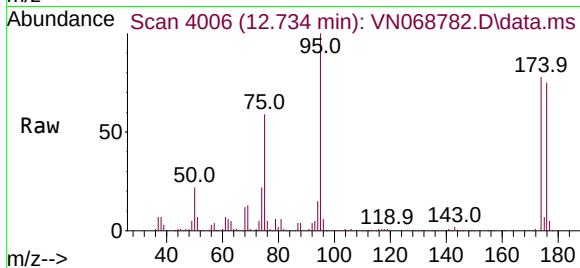




#81
trans-1,4-Dichloro-2-butene
Concen: 94.274 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20210921DL

Tgt Ion: 75 Resp: 183094
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.609 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068782.D
Acq: 1 Oct 2021 14:46

Tgt Ion:128 Resp: 2002
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

