

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069272.D
 Acq On : 29 Oct 2021 1:44
 Operator : JC/MD
 Sample : M4338-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:56:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

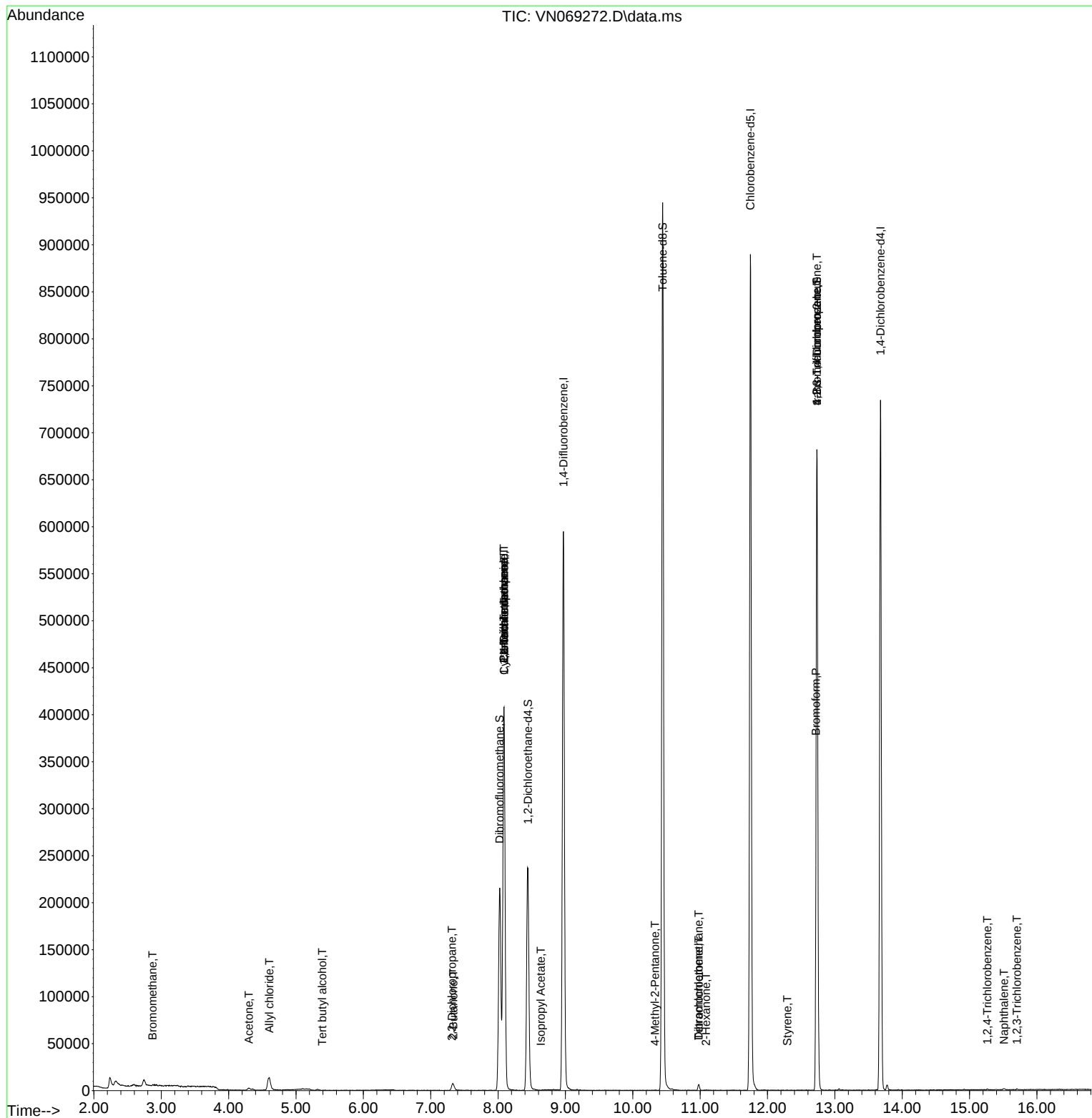
Internal Standards						
1) Pentafluorobenzene	8.088	168	306806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	538543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	524013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	200924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	207470	46.845	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.680%		
35) Dibromofluoromethane	8.024	113	158526	47.221	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.440%		
50) Toluene-d8	10.443	98	674649	50.262	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.520%		
62) 4-Bromofluorobenzene	12.734	95	246558	48.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.360%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	913	Below Cal		93
5) Bromomethane	2.872	94	662	0.257 ug/l		83
11) Tert butyl alcohol	5.390	59	24	13.434 ug/l #		72
14) Allyl chloride	4.604	41	2322	0.476 ug/l #		67
16) Acetone	4.299	43	4295	2.276 ug/l		96
25) 2-Butanone	7.335	43	120	1.675 ug/l #		48
26) 2,2-Dichloropropane	7.313	77	154	0.864 ug/l #		53
31) Cyclohexane	8.091	56	7261	1.225 ug/l #		11
32) 1,1,1-Trichloroethane	8.091	97	30	0.879 ug/l #		1
36) 1,1-Dichloropropene	8.088	75	25542	5.501 ug/l #		50
38) Carbon Tetrachloride	8.088	117	32352	7.012 ug/l #		16
43) Isopropyl Acetate	8.633	43	24	0.461 ug/l #		55
51) 4-Methyl-2-Pentanone	10.331	43	286	6.449 ug/l #		36
59) 2-Hexanone	11.087	43	346	8.073 ug/l #		47
60) Dibromochloromethane	10.977	129	1567	2.335 ug/l #		10
64) Tetrachloroethene	10.980	164	1545	0.462 ug/l		94
70) Styrene	12.294	104	169	1.469 ug/l #		24
71) Bromoform	12.720	173	234	2.941 ug/l #		29
76) 1,2,3-Trichloropropane	12.734	75	131608	24.905 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.734	75	131608	71.347 ug/l #		12
93) 1,2,4-Trichlorobenzene	15.265	180	250	2.560 ug/l #		64
95) Naphthalene	15.512	128	1860	3.481 ug/l #		69
96) 1,2,3-Trichlorobenzene	15.703	180	350	2.312 ug/l #		77

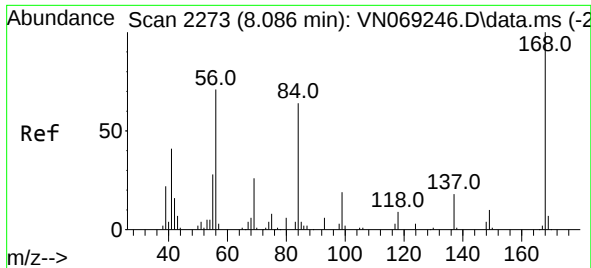
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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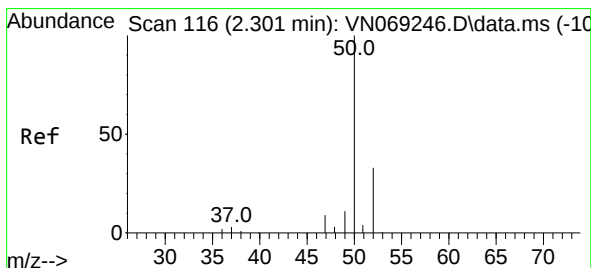
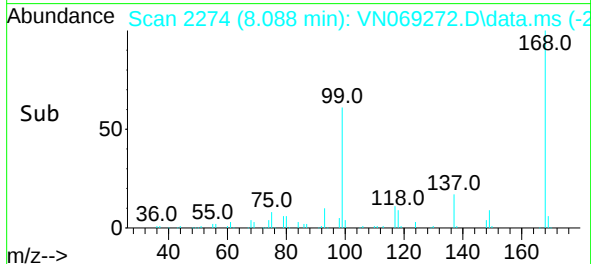
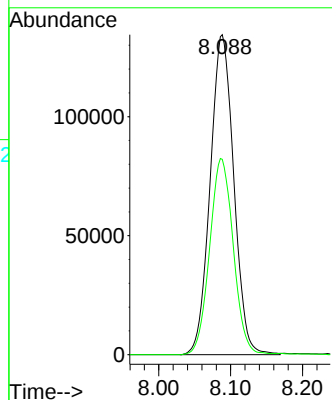
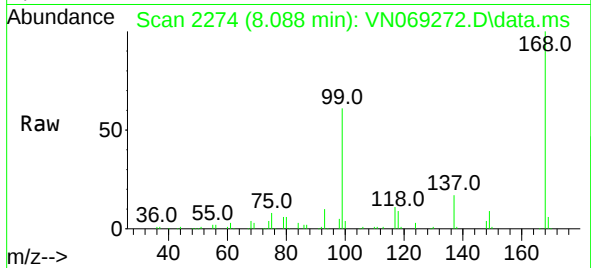




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

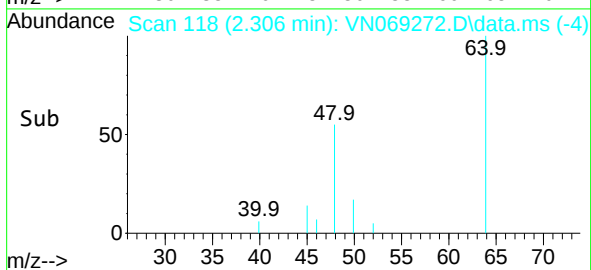
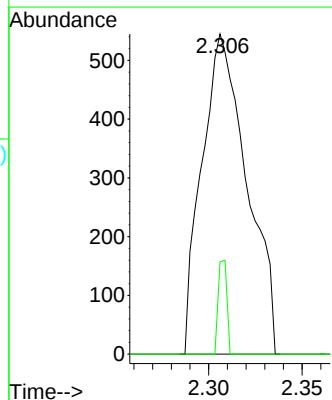
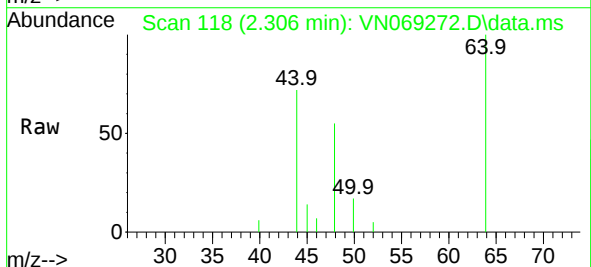
Instrument :
MSVOA_D
ClientSampled :

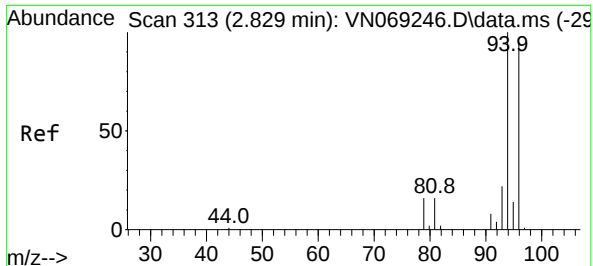
Tgt Ion:168 Resp: 306806
Ion Ratio Lower Upper
168 100
99 61.1 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 50 Resp: 913
Ion Ratio Lower Upper
50 100
52 28.8 26.3 39.5





#5

Bromomethane

Concen: 0.257 ug/l

RT: 2.872 min Scan# 329

Delta R.T. 0.043 min

Lab File: VN069272.D

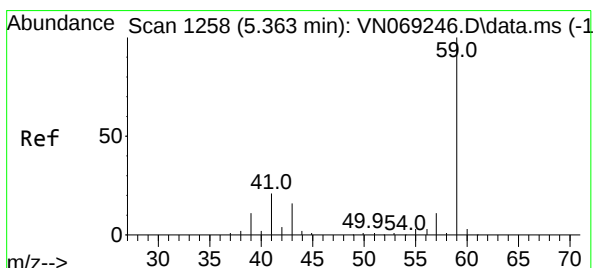
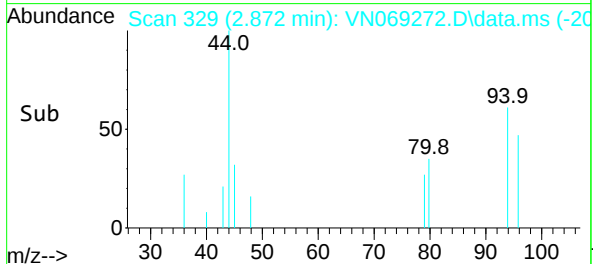
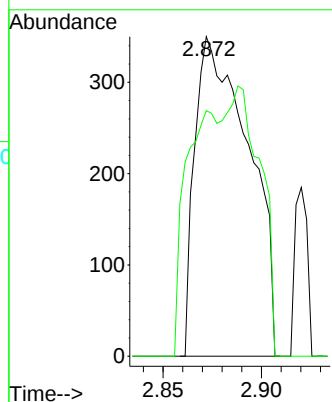
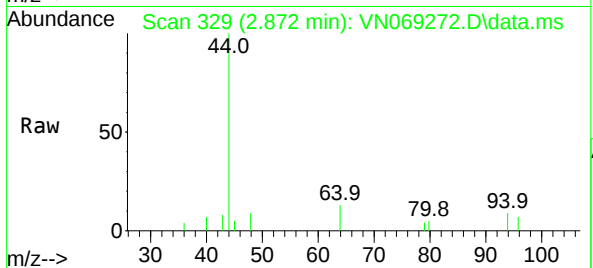
Acq: 29 Oct 2021 1:44

Tgt Ion: 94 Resp: 662

Ion Ratio Lower Upper

94 100

96 76.9 74.2 111.4



#11

Tert butyl alcohol

Concen: 13.434 ug/l

RT: 5.390 min Scan# 1268

Delta R.T. 0.027 min

Lab File: VN069272.D

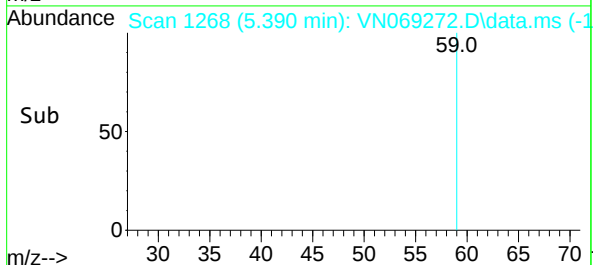
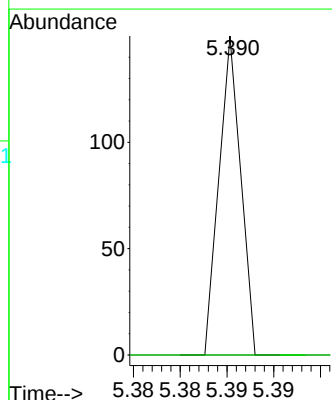
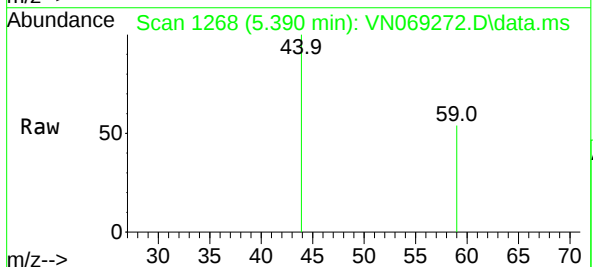
Acq: 29 Oct 2021 1:44

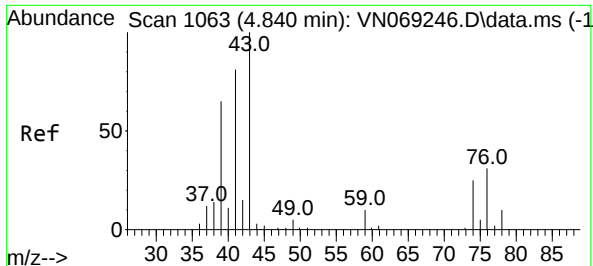
Tgt Ion: 59 Resp: 24

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.476 ug/l

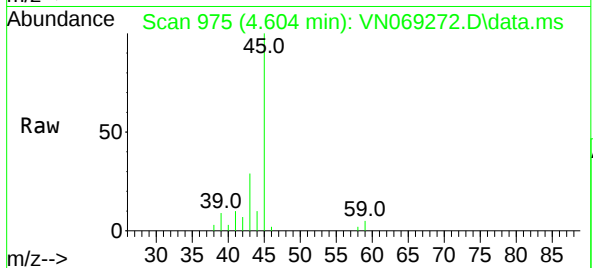
RT: 4.604 min Scan# 975

Delta R.T. -0.236 min

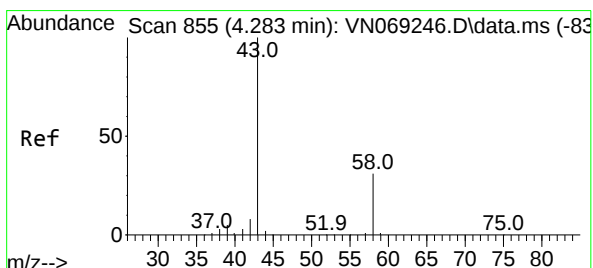
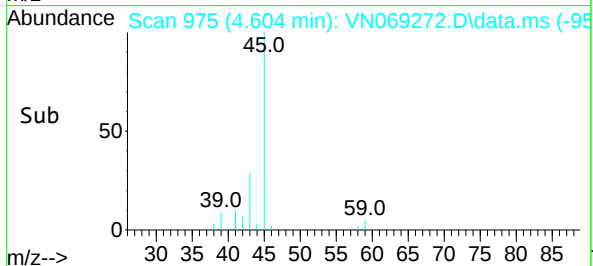
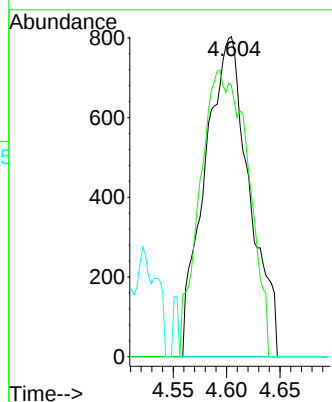
Lab File: VN069272.D

Acq: 29 Oct 2021 1:44

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	41	Resp:	2322
Ion	Ratio	Lower	Upper
41	100		
39	52.6	55.6	83.4#
76	0.0	26.4	39.6#



#16

Acetone

Concen: 2.276 ug/l

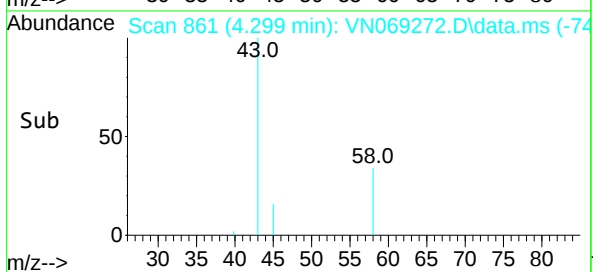
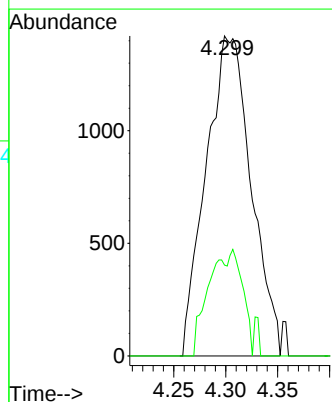
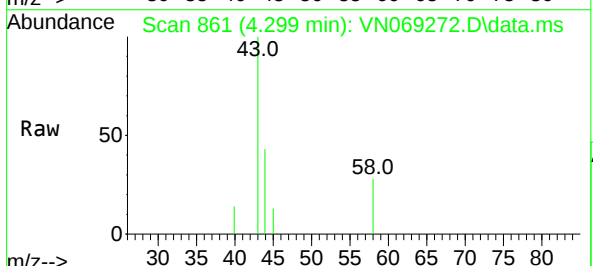
RT: 4.299 min Scan# 861

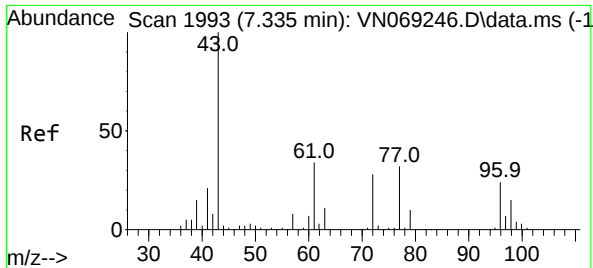
Delta R.T. 0.016 min

Lab File: VN069272.D

Acq: 29 Oct 2021 1:44

Tgt Ion:	43	Resp:	4295
Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.5	36.7

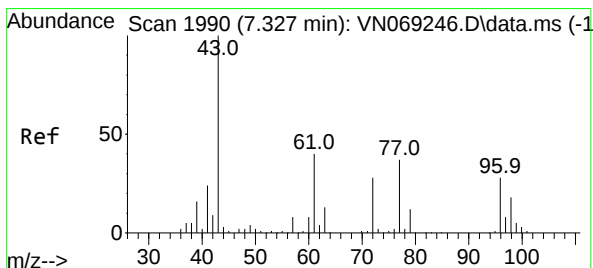
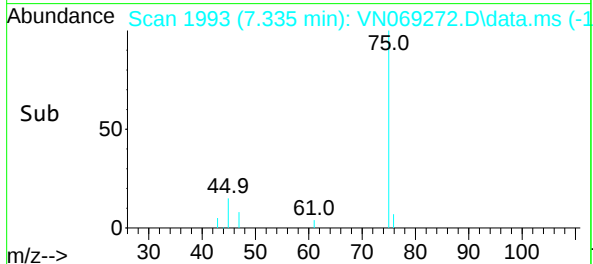
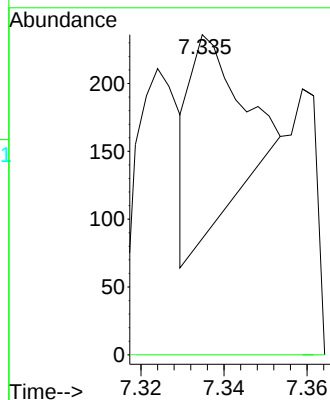
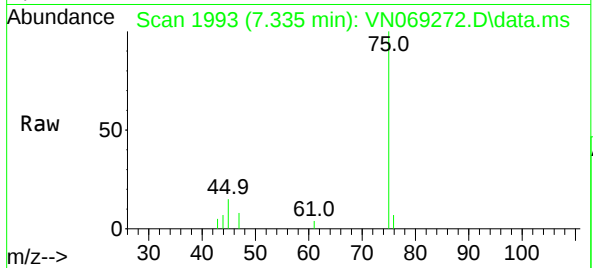




#25
2-Butanone
Concen: 1.675 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

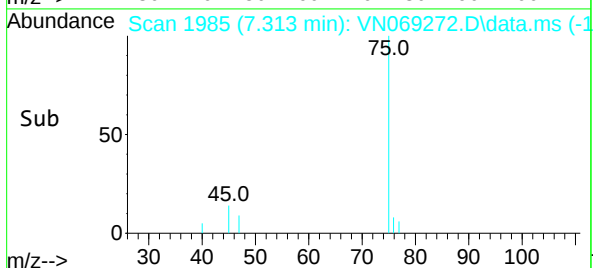
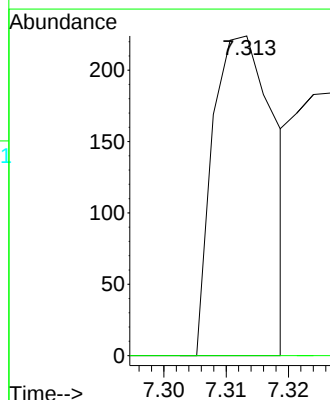
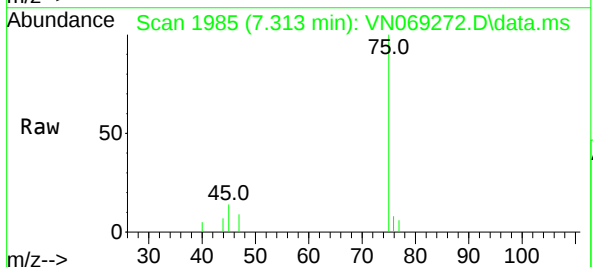
Instrument :
MSVOA_D
ClientSampled :

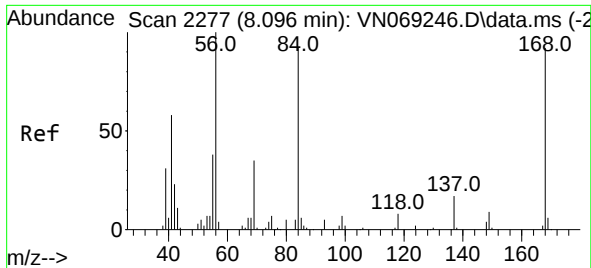
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#26
2,2-Dichloropropane
Concen: 0.864 ug/l
RT: 7.313 min Scan# 1985
Delta R.T. -0.014 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 77 Resp: 154
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

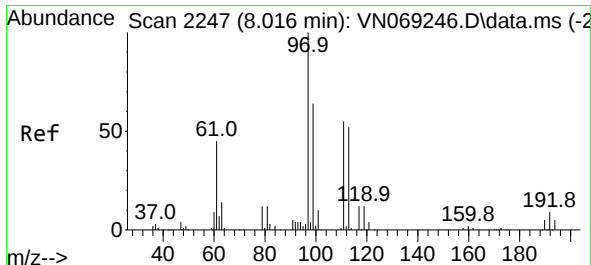
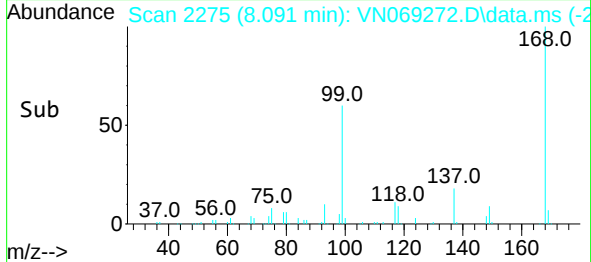
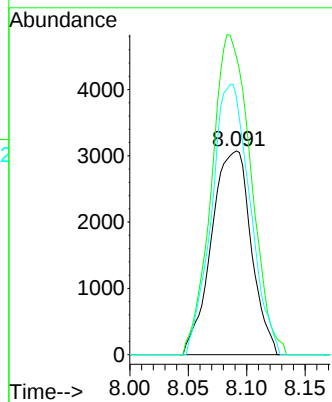
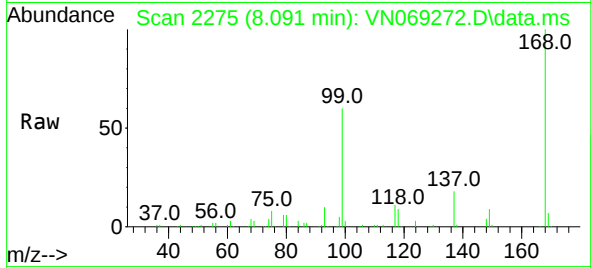




#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

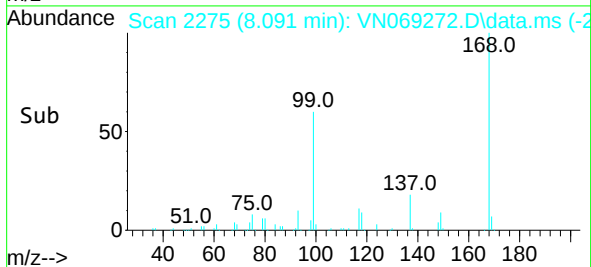
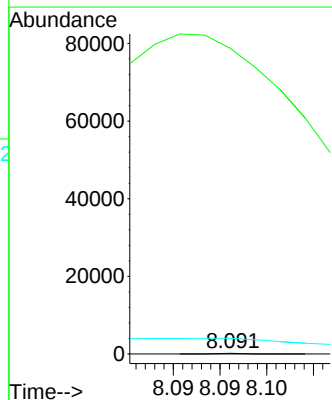
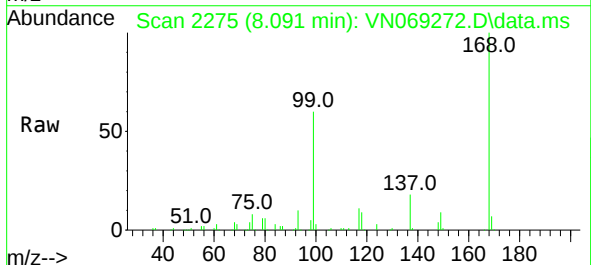
Instrument :
MSVOA_D
ClientSampled :

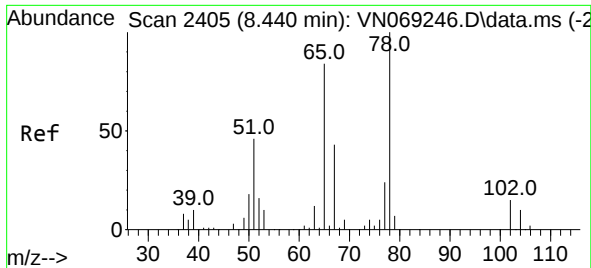
Tgt Ion: 56 Resp: 7261
Ion Ratio Lower Upper
56 100
69 146.5 26.9 40.3#
84 126.5 67.6 101.4#



#32
1,1,1-Trichloroethane
Concen: 0.879 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.075 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 97 Resp: 30
Ion Ratio Lower Upper
97 100
99 626876.7 50.8 76.2#
61 30733.3 34.6 51.8#

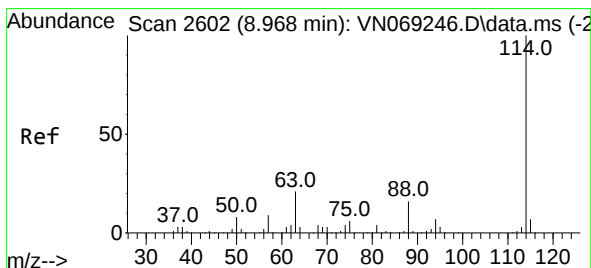
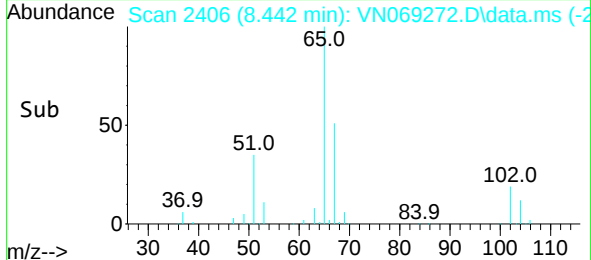
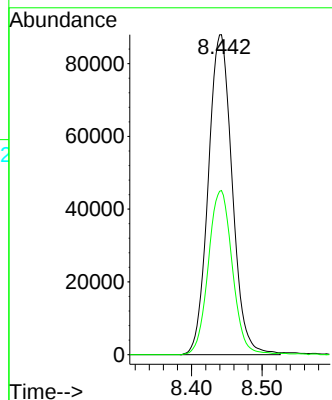
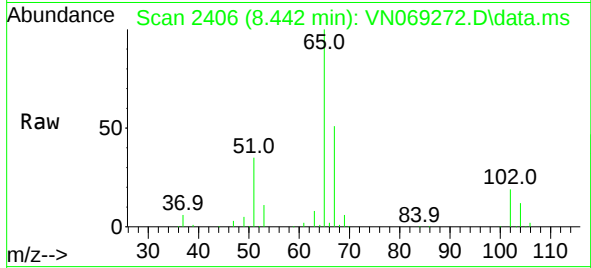




#33
 1,2-Dichloroethane-d4
 Concen: 46.845 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN069272.D
 Acq: 29 Oct 2021 1:44

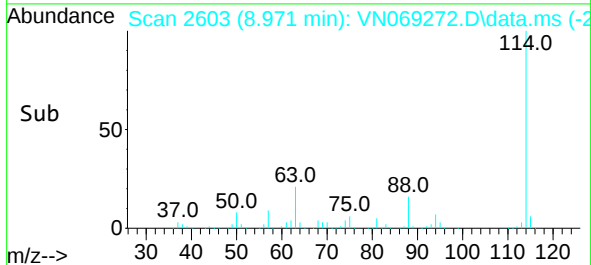
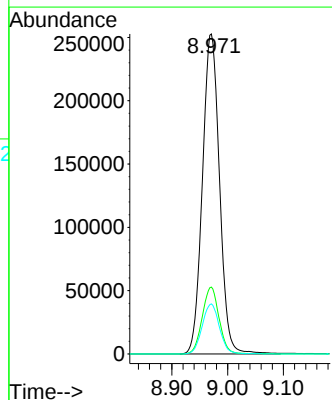
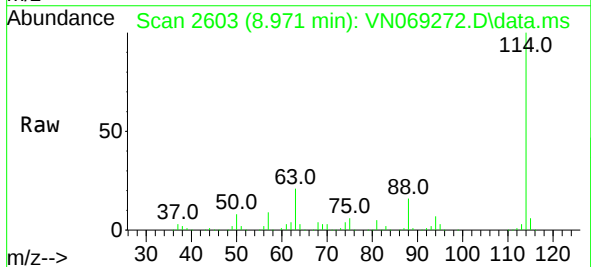
Instrument :
 MSVOA_D
 ClientSampled :

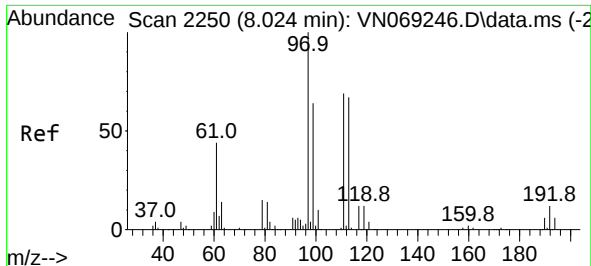
Tgt Ion: 65 Resp: 207470
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069272.D
 Acq: 29 Oct 2021 1:44

Tgt Ion: 114 Resp: 538543
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 15.7 0.0 32.0

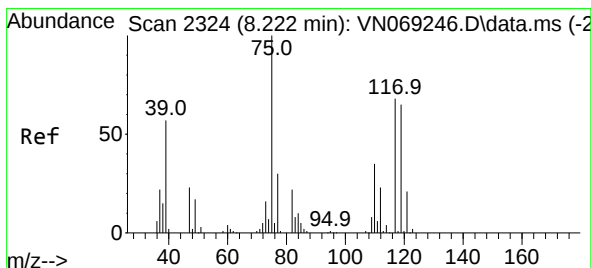
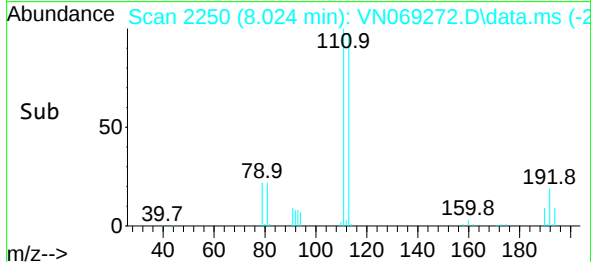
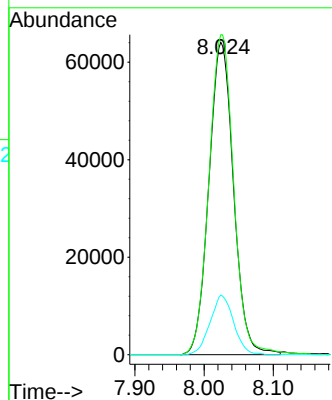
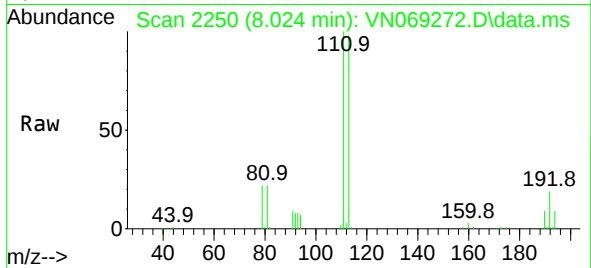




#35
Dibromofluoromethane
Concen: 47.221 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

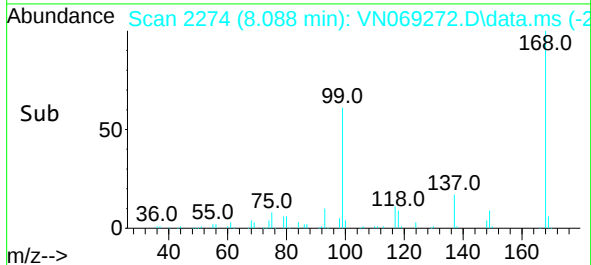
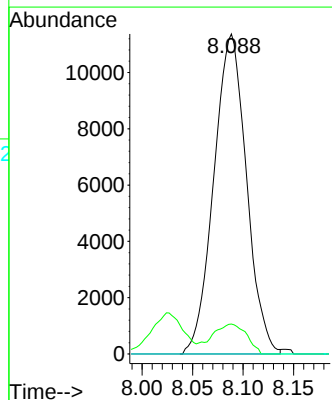
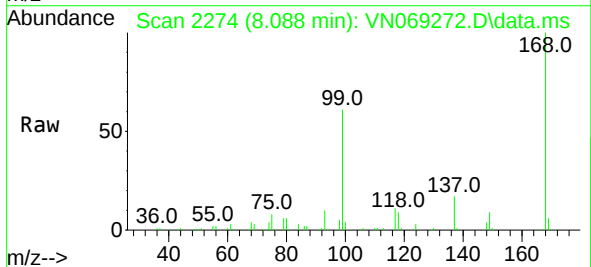
Instrument :
MSVOA_D
ClientSampled :

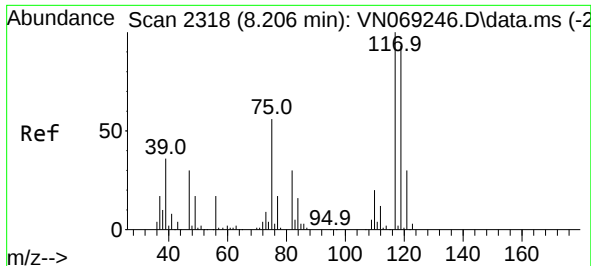
Tgt Ion:113 Resp: 158526
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.501 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

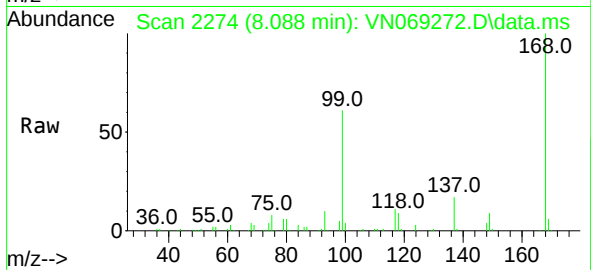
Tgt Ion: 75 Resp: 25542
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#



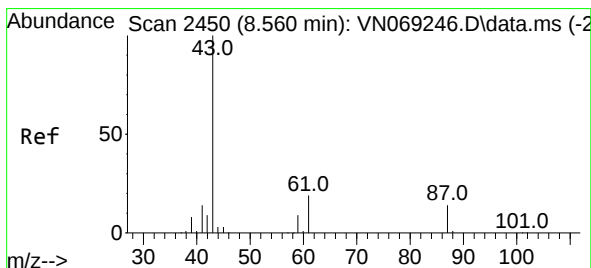
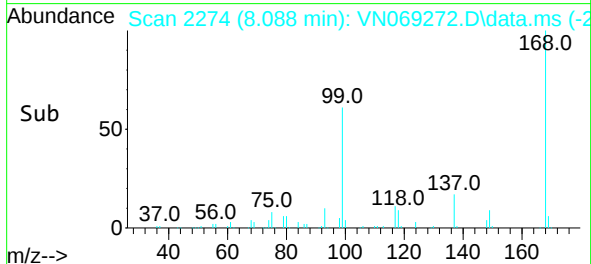
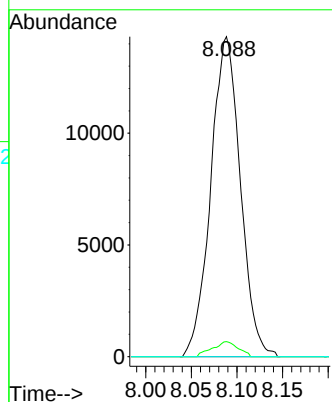


#38
Carbon Tetrachloride
Concen: 7.012 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Instrument :
MSVOA_D
ClientSampleId :

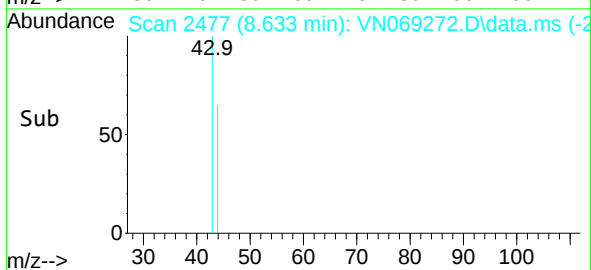
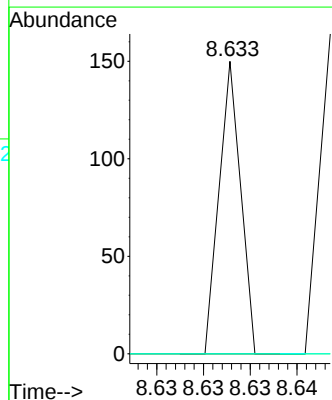
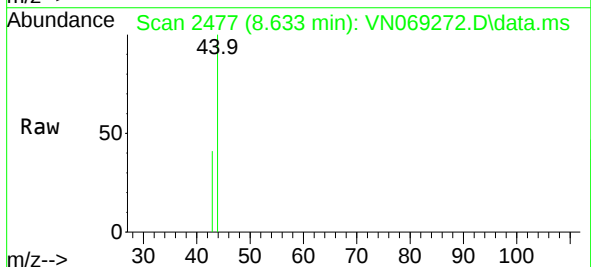


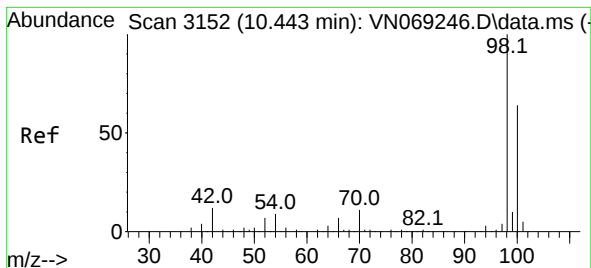
Tgt Ion:117 Resp: 32352
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.461 ug/l
RT: 8.633 min Scan# 2477
Delta R.T. 0.073 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

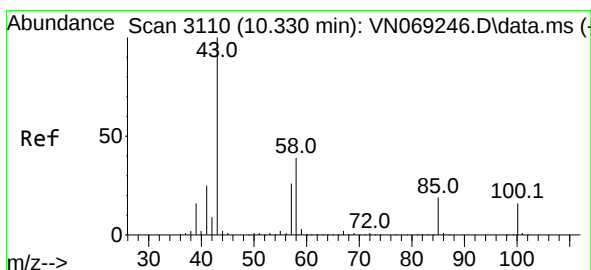
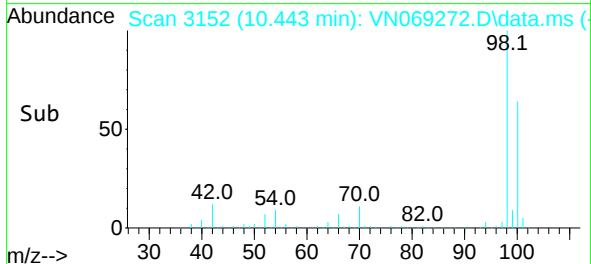
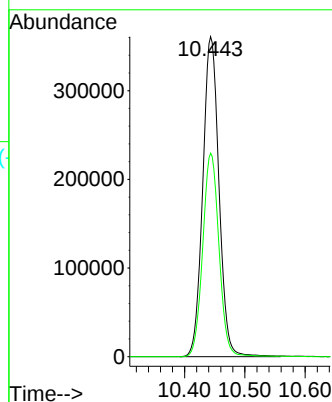
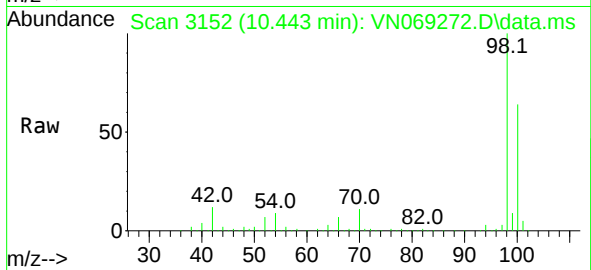




#50
Toluene-d8
Concen: 50.262 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

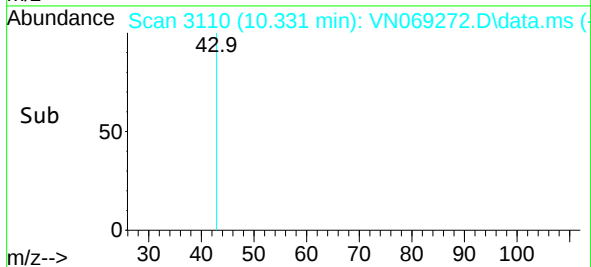
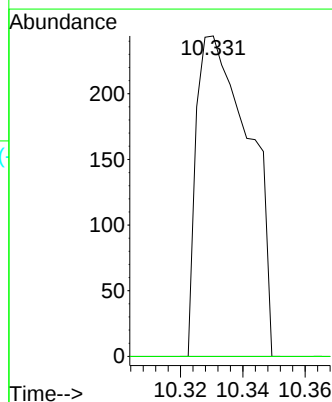
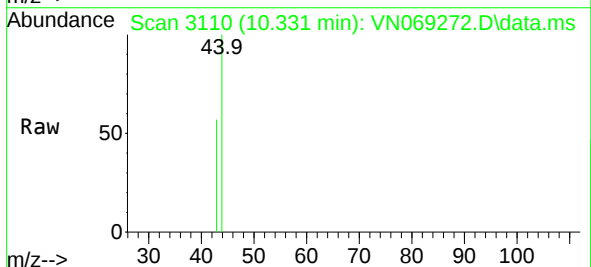
Instrument :
MSVOA_D
ClientSampled :

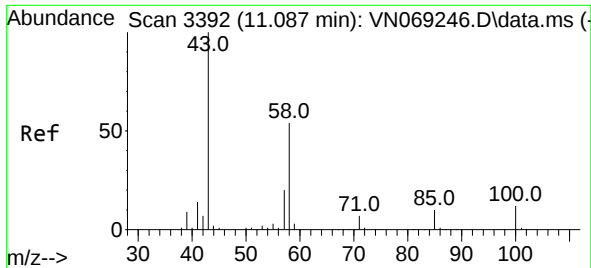
Tgt Ion: 98 Resp: 674649
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.449 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

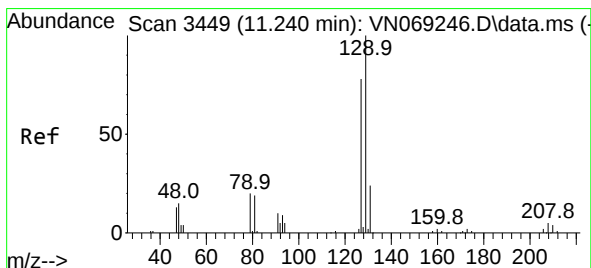
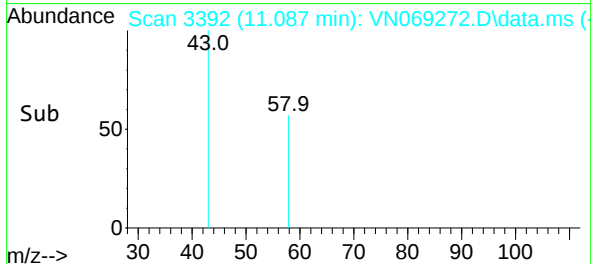
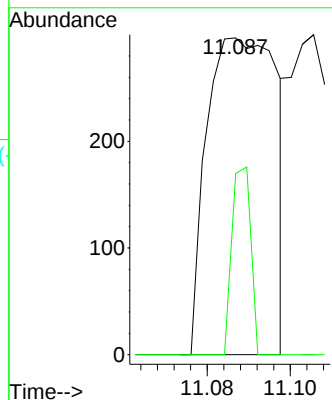
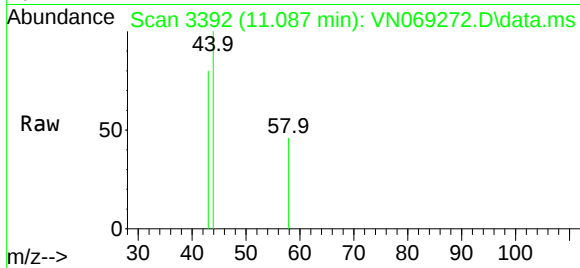




#59
2-Hexanone
Concen: 8.073 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

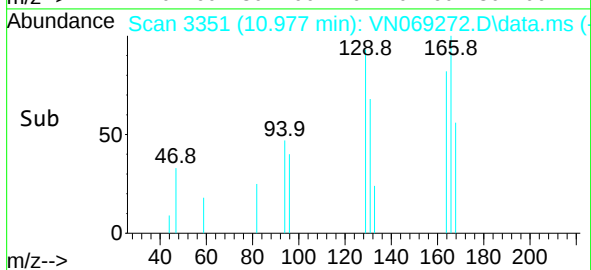
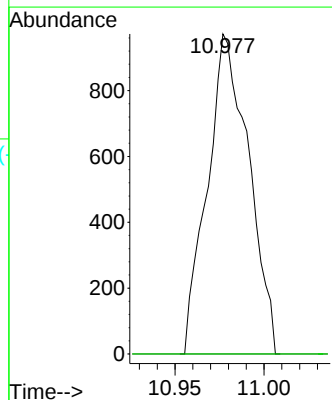
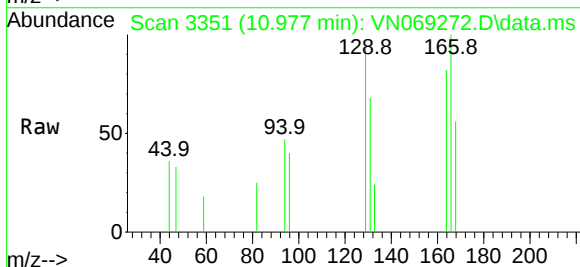
Instrument :
MSVOA_D
ClientSampled :

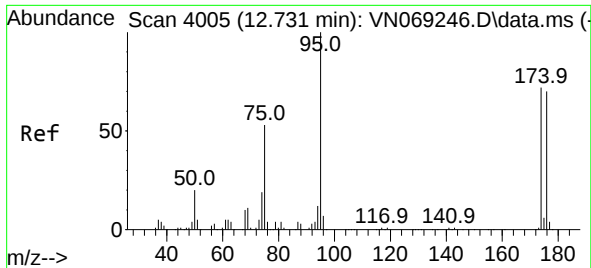
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 16.2 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.335 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 129 Resp: 1567
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

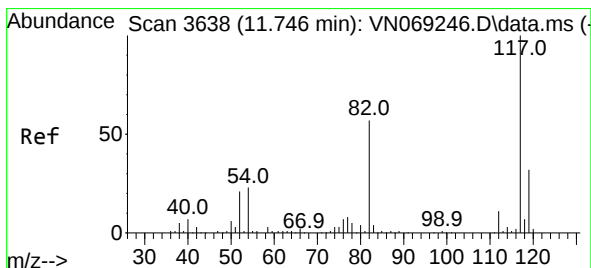
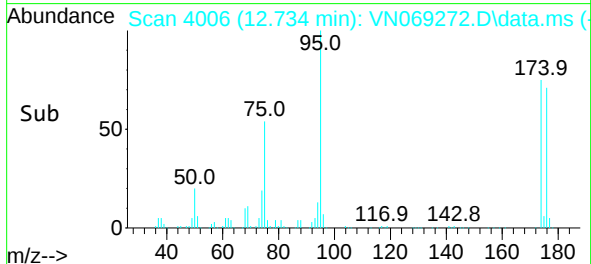
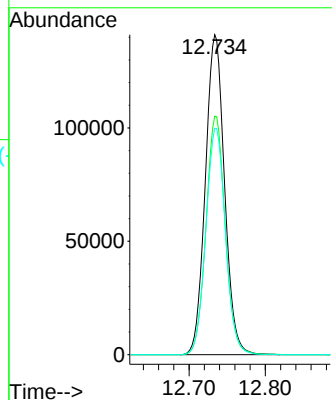
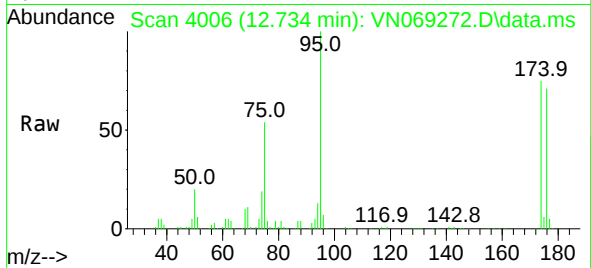




#62
4-Bromofluorobenzene
Concen: 48.678 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

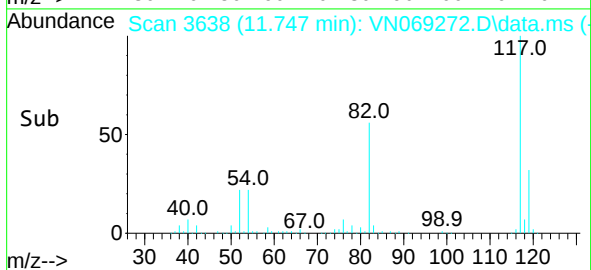
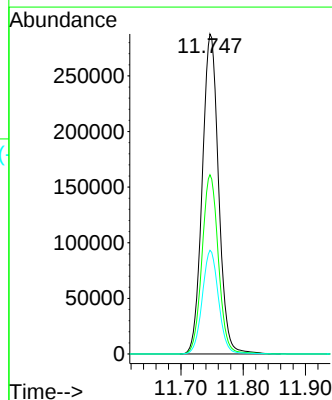
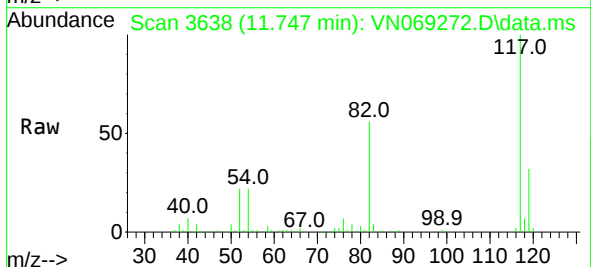
Instrument :
MSVOA_D
ClientSampleId :

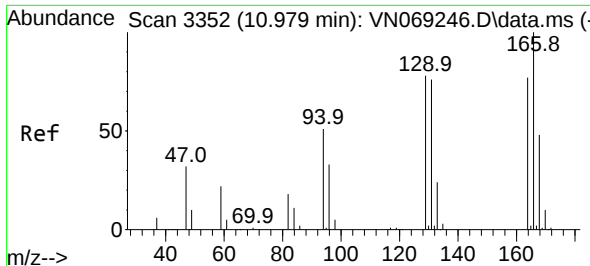
Tgt Ion: 95 Resp: 246558
Ion Ratio Lower Upper
95 100
174 74.5 0.0 144.8
176 72.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 117 Resp: 524013
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.4 26.0 39.0



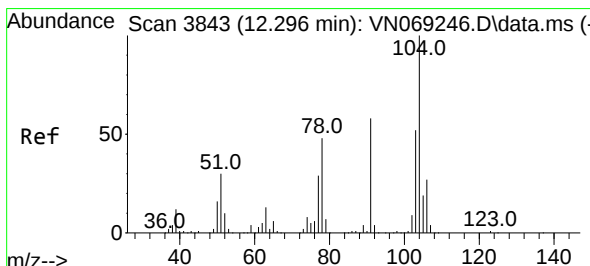
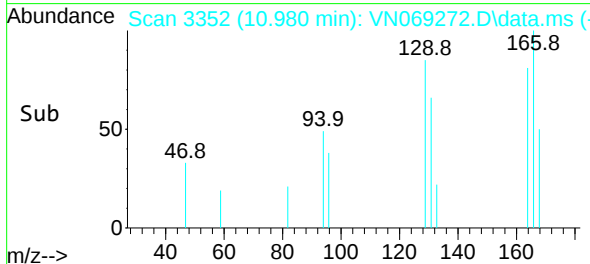
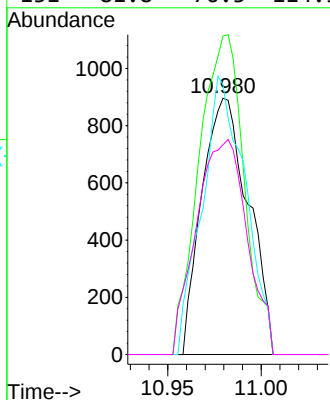
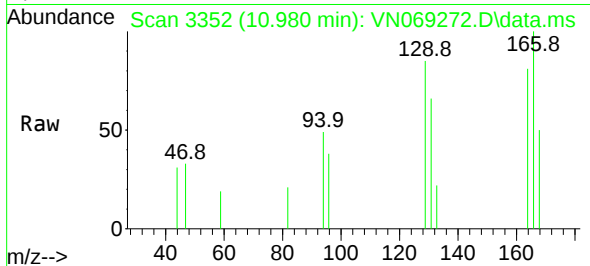


#64
Tetrachloroethene
Concen: 0.462 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.001 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:164 Resp: 1545

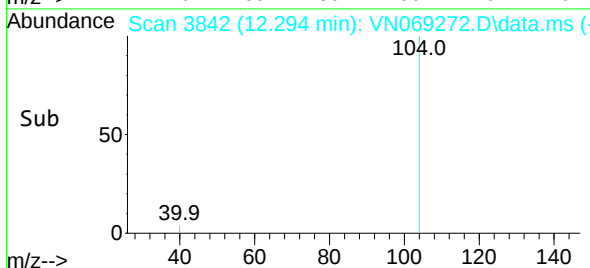
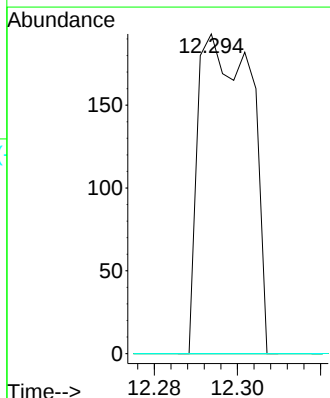
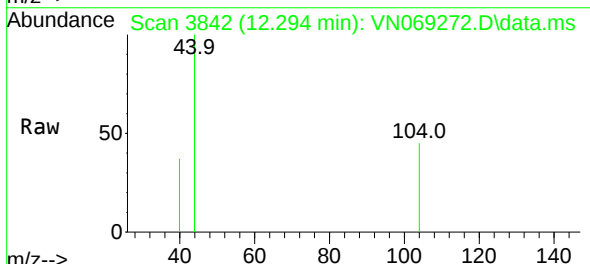
Ion	Ratio	Lower	Upper
164	100		
166	124.2	99.8	149.8
129	105.2	79.2	118.8
131	81.8	76.3	114.5

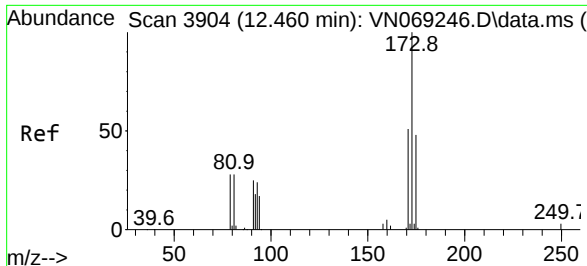


#70
Styrene
Concen: 1.469 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion:104 Resp: 169

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.2	63.4#
103	0.0	44.4	66.6#

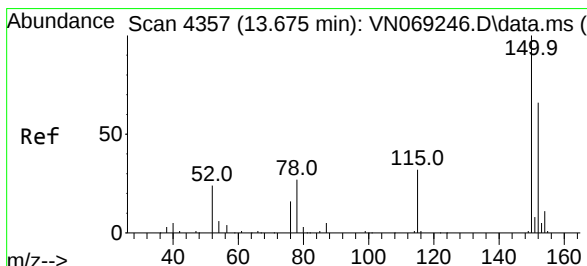
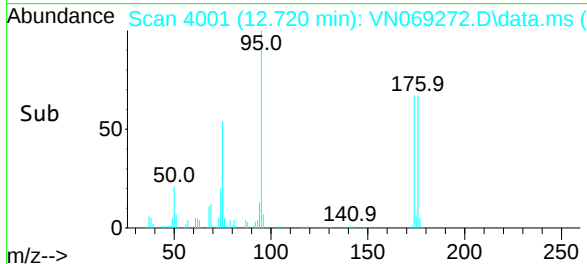
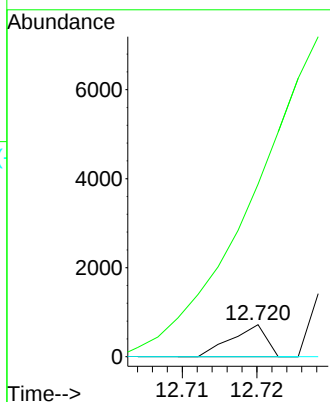
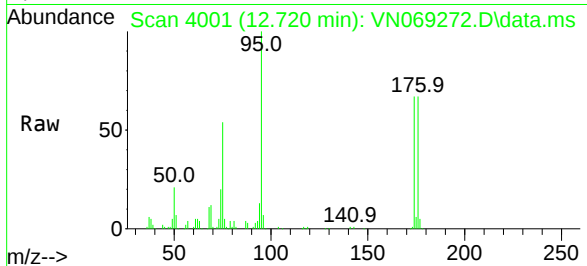




#71
Bromoform
Concen: 2.941 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

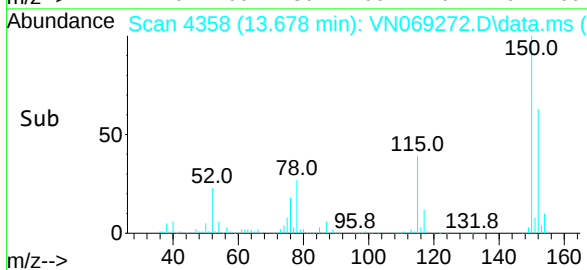
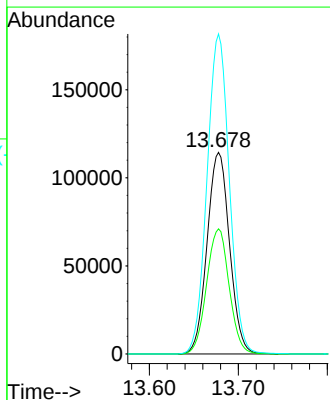
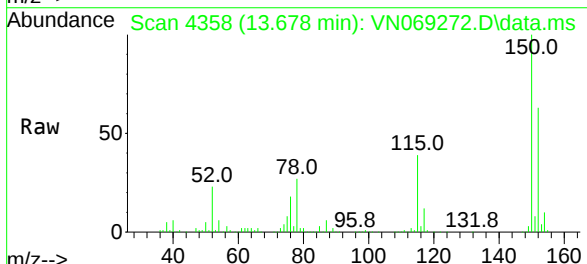
Instrument :
MSVOA_D
ClientSampleId :

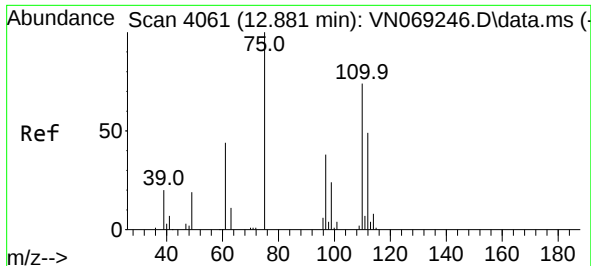
Tgt Ion:173 Resp: 234
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion:152 Resp: 200924
Ion Ratio Lower Upper
152 100
115 62.2 31.4 94.3
150 157.4 0.0 351.0

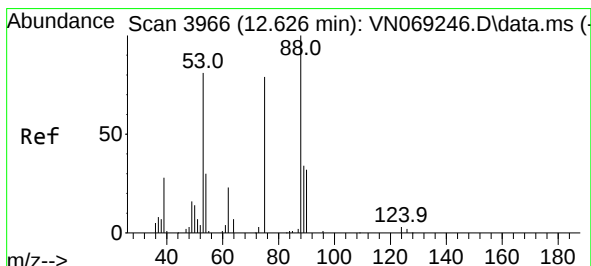
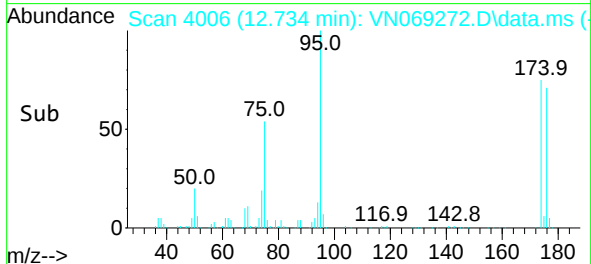
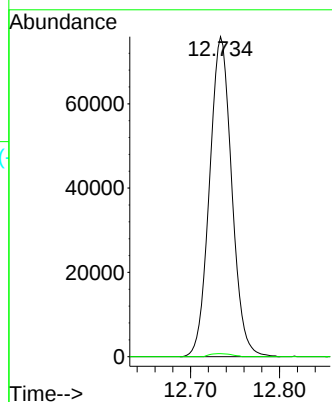
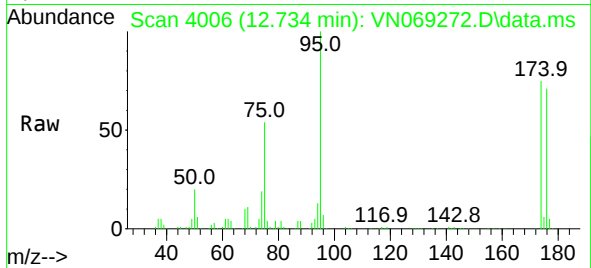




#76
1,2,3-Trichloropropane
Concen: 24.905 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

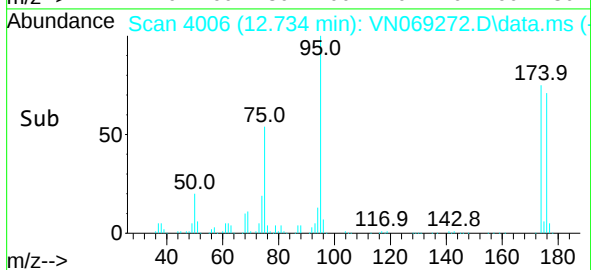
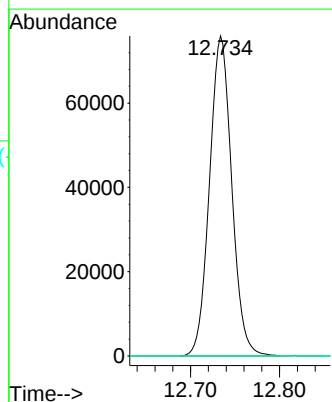
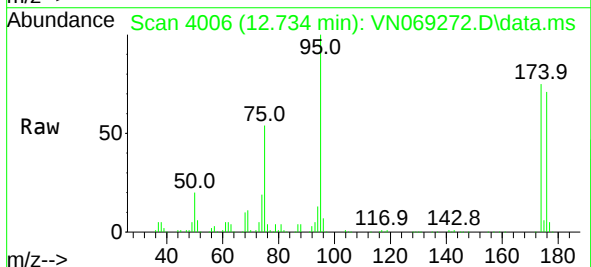
Instrument :
MSVOA_D
ClientSampleId :

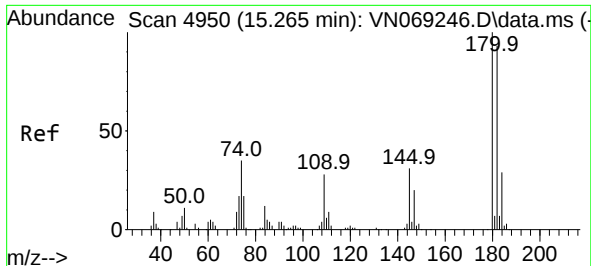
Tgt Ion: 75 Resp: 131608
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.347 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

Tgt Ion: 75 Resp: 131608
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

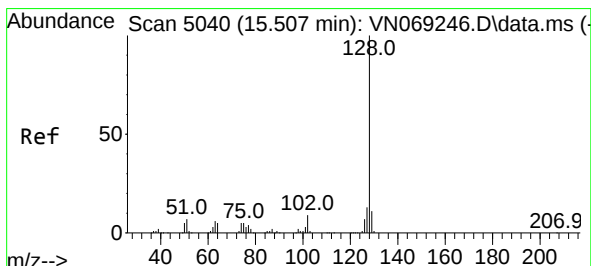
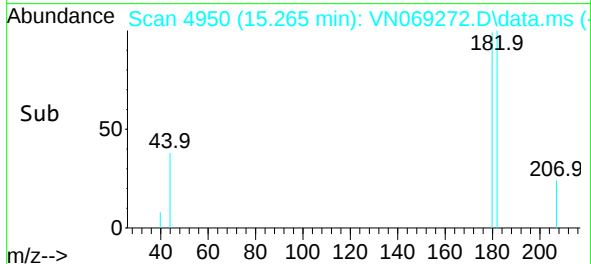
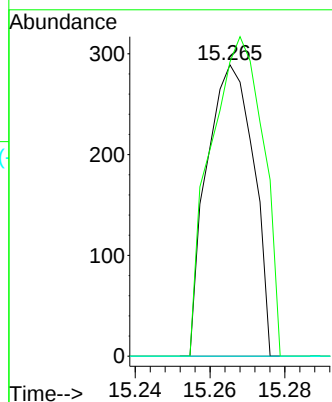
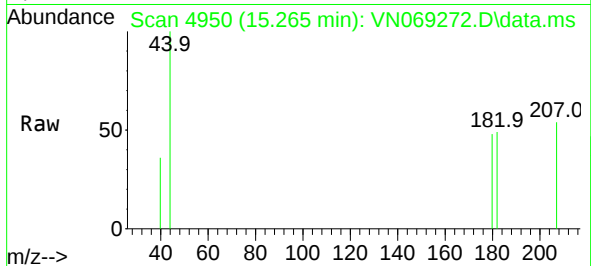




#93
1,2,4-Trichlorobenzene
Concen: 2.560 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

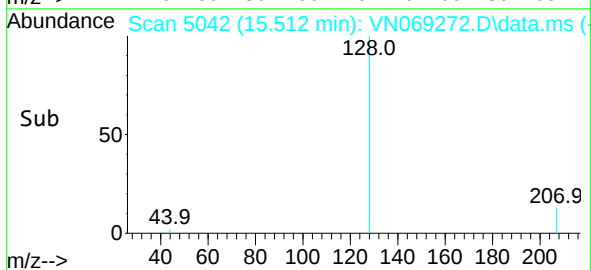
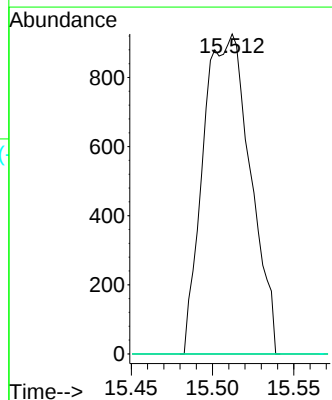
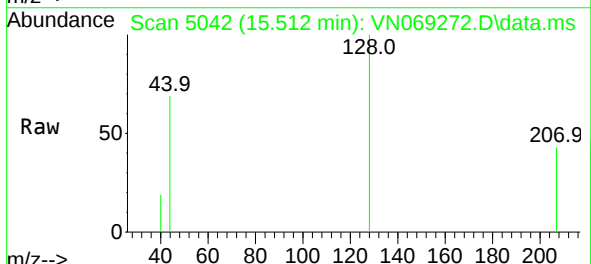
Instrument :
MSVOA_D
ClientSampleId :

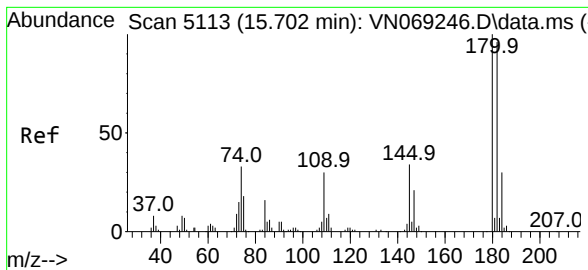
Tgt Ion:180 Resp: 250
Ion Ratio Lower Upper
180 100
182 124.0 47.9 143.7
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.481 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069272.D
Acq: 29 Oct 2021 1:44

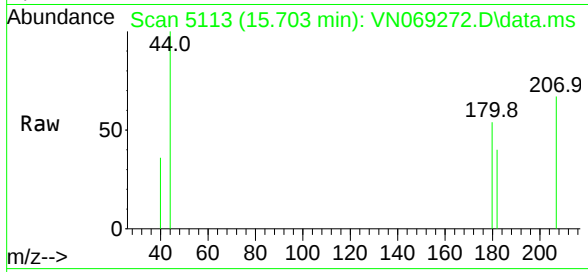
Tgt Ion:128 Resp: 1860
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.312 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. 0.001 min
 Lab File: VN069272.D
 Acq: 29 Oct 2021 1:44

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:180 Resp: 350
 Ion Ratio Lower Upper
 180 100
 182 87.4 48.1 144.3
 145 0.0 17.4 52.2#

