

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069302.D
 Acq On : 29 Oct 2021 15:38
 Operator : JC/MD
 Sample : M4392-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:42:34 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)

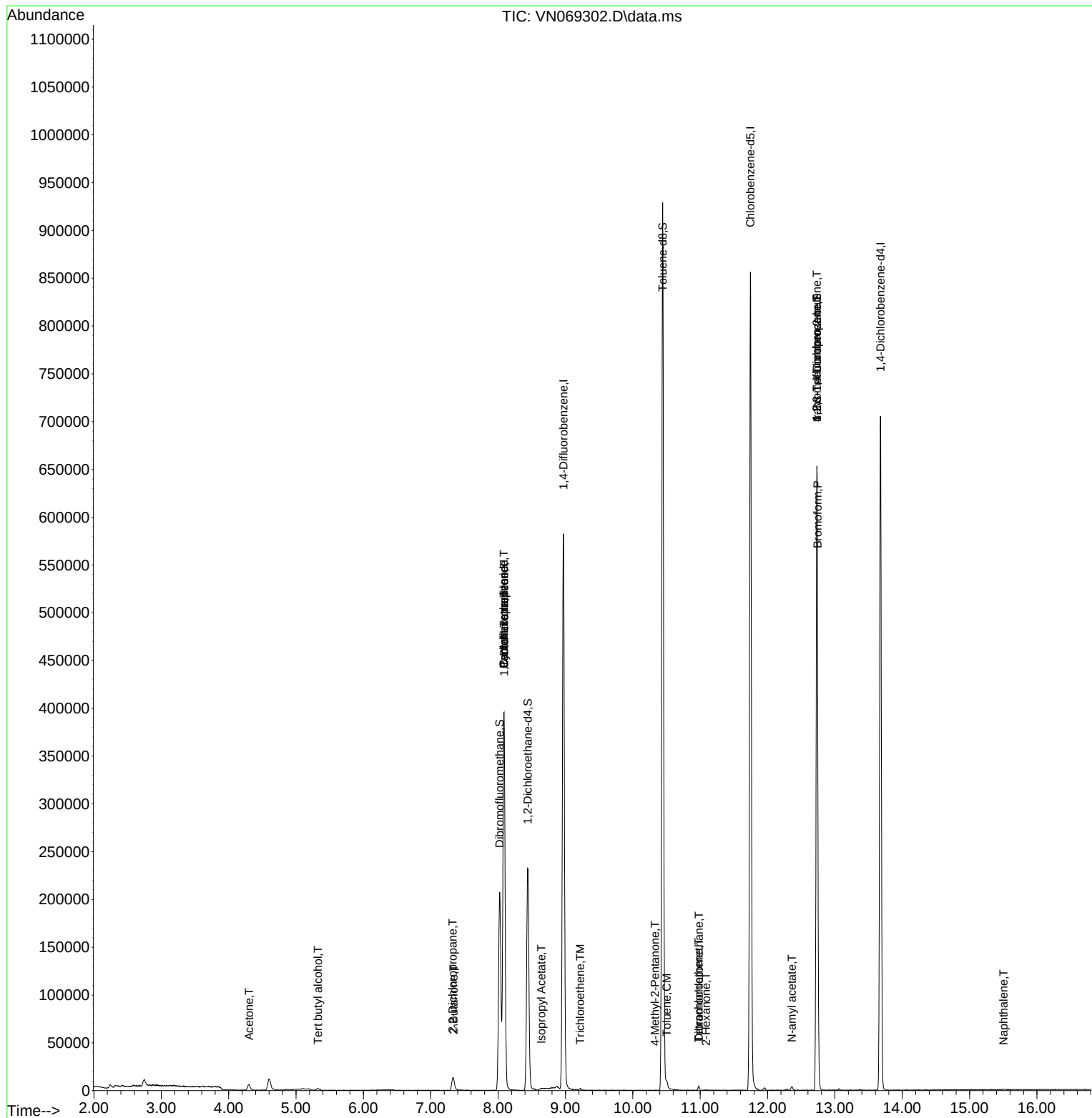
Internal Standards						
1) Pentafluorobenzene	8.085	168	297888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.970	114	524517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	507845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	189550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	201725	46.911	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.820%		
35) Dibromofluoromethane	8.024	113	152599	46.671	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.340%		
50) Toluene-d8	10.443	98	655518	50.143	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.733	95	233330	47.298	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.600%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	316	Below Cal	#	54
11) Tert butyl alcohol	5.326	59	1230	14.800	ug/l #	72
16) Acetone	4.301	43	10674	5.826	ug/l	97
25) 2-Butanone	7.340	43	906	1.955	ug/l #	48
26) 2,2-Dichloropropane	7.326	77	77	0.851	ug/l #	53
31) Cyclohexane	8.088	56	7102	1.234	ug/l #	12
36) 1,1-Dichloropropene	8.091	75	24563	5.432	ug/l #	49
38) Carbon Tetrachloride	8.085	117	31321	6.976	ug/l #	15
43) Isopropyl Acetate	8.643	43	1464	0.620	ug/l #	55
44) Trichloroethene	9.217	130	725	0.212	ug/l	68
51) 4-Methyl-2-Pentanone	10.328	43	161	6.429	ug/l #	36
52) Toluene	10.502	92	2480	0.278	ug/l	96
59) 2-Hexanone	11.087	43	272	8.059	ug/l #	25
60) Dibromochloromethane	10.982	129	623	2.122	ug/l #	10
64) Tetrachloroethene	10.977	164	975	0.301	ug/l #	81
71) Bromoform	12.741	173	610	3.056	ug/l #	1
74) N-amyl acetate	12.360	43	3694	0.589	ug/l #	44
76) 1,2,3-Trichloropropane	12.733	75	125930	25.260	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	125930	72.305	ug/l #	12
95) Naphthalene	15.504	128	264	3.334	ug/l #	69

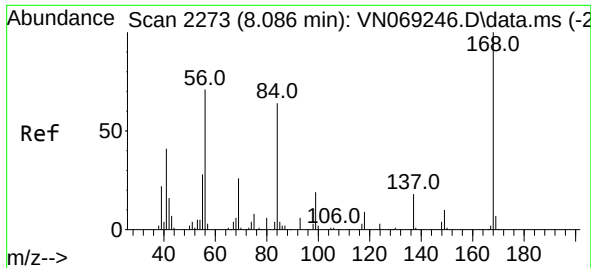
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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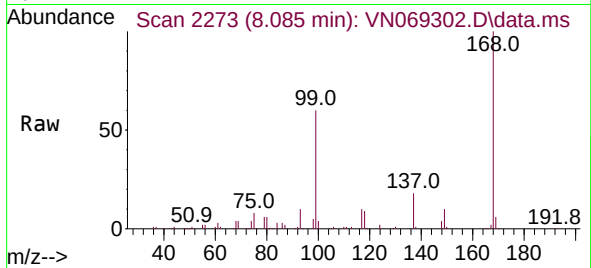
Quant Time: Oct 30 05:42:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
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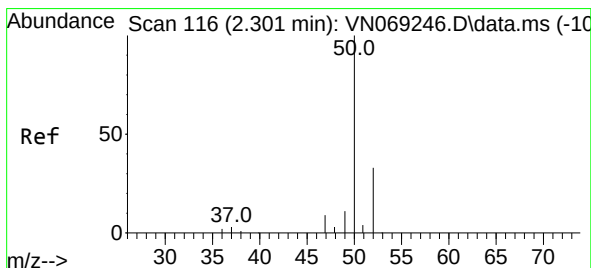
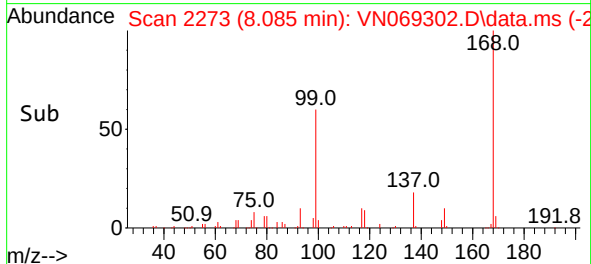
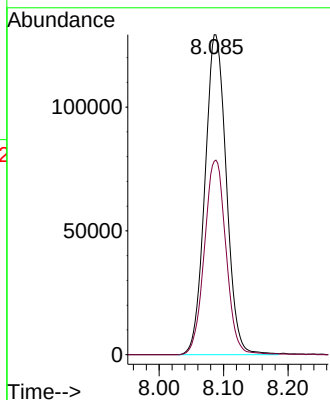


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.085 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :

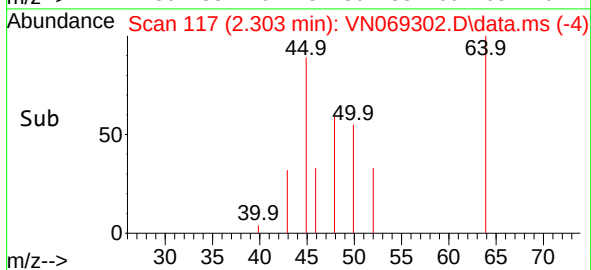
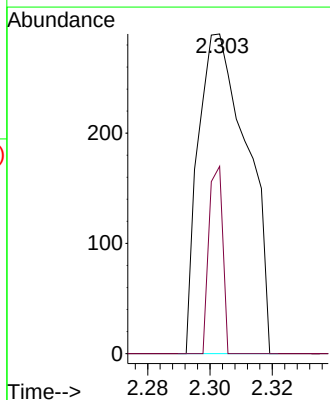
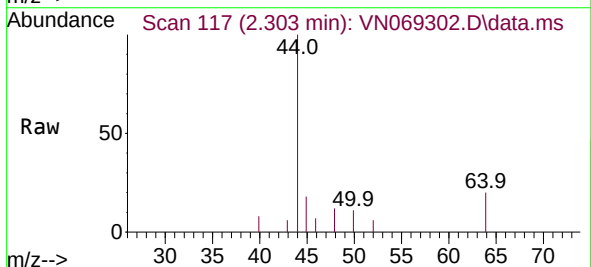


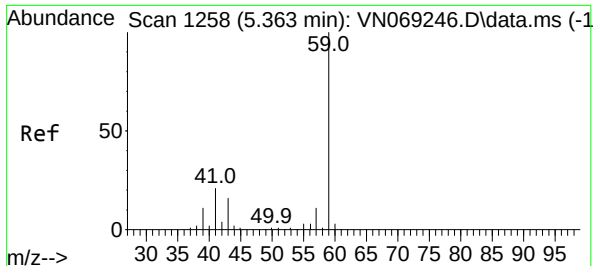
Tgt Ion:168 Resp: 297888
Ion Ratio Lower Upper
168 100
99 60.4 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 58.6 26.3 39.5#





#11

Tert butyl alcohol

Concen: 14.800 ug/l

RT: 5.326 min Scan# 11

Delta R.T. -0.037 min

Lab File: VN069302.D

Acq: 29 Oct 2021 15:38

Instrument :

MSVOA_N

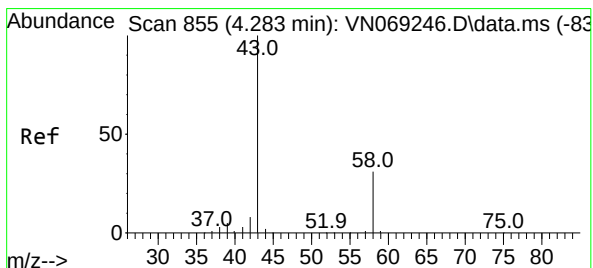
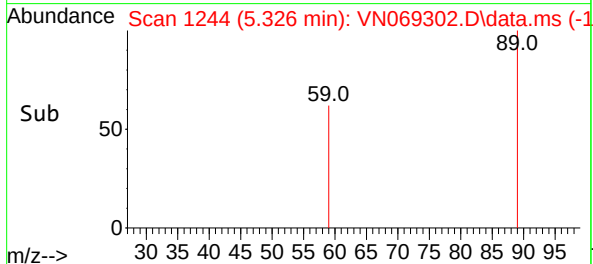
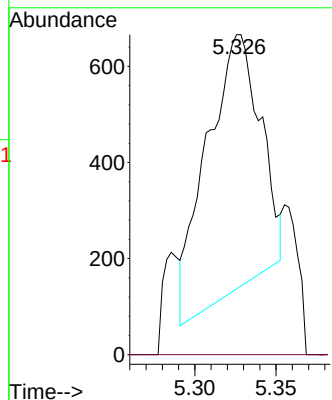
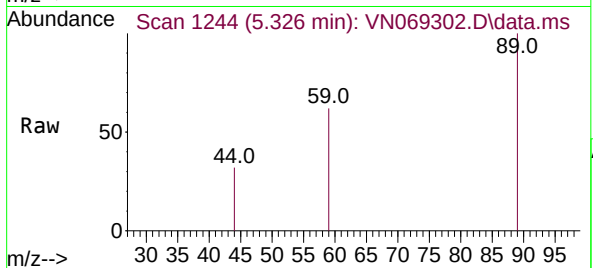
ClientSampleId :

Tgt Ion: 59 Resp: 1230

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 5.826 ug/l

RT: 4.301 min Scan# 862

Delta R.T. 0.018 min

Lab File: VN069302.D

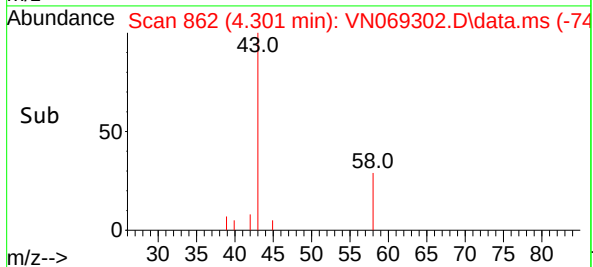
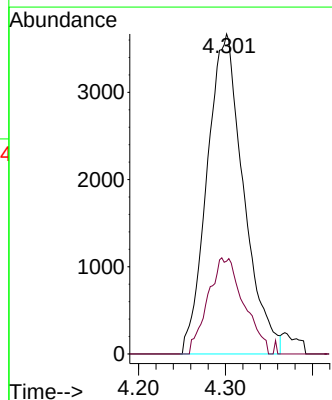
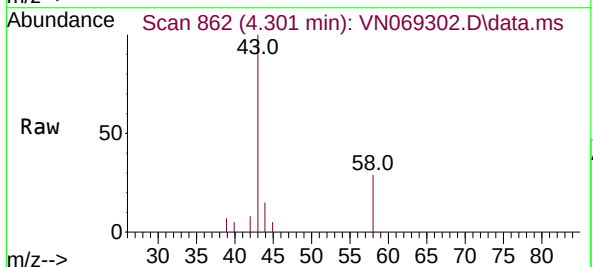
Acq: 29 Oct 2021 15:38

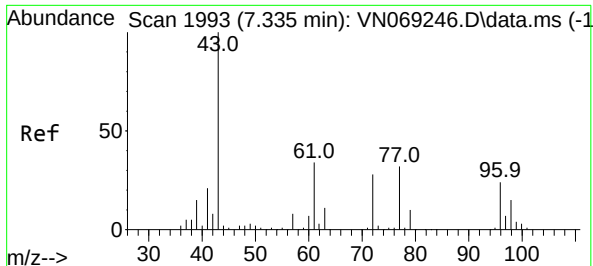
Tgt Ion: 43 Resp: 10674

Ion Ratio Lower Upper

43 100

58 29.0 24.5 36.7





#25

2-Butanone

Concen: 1.955 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.005 min

Lab File: VN069302.D

Acq: 29 Oct 2021 15:38

Instrument :

MSVOA_N

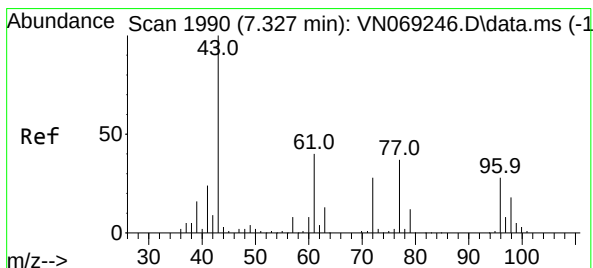
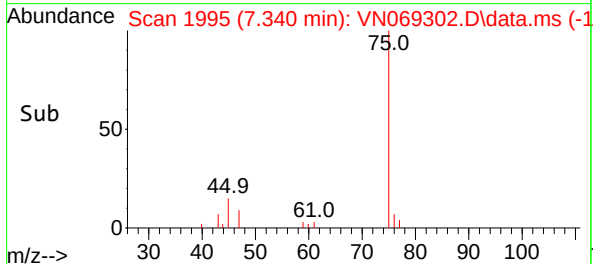
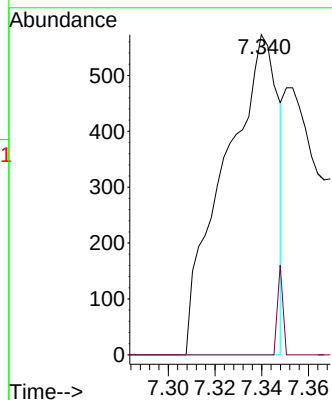
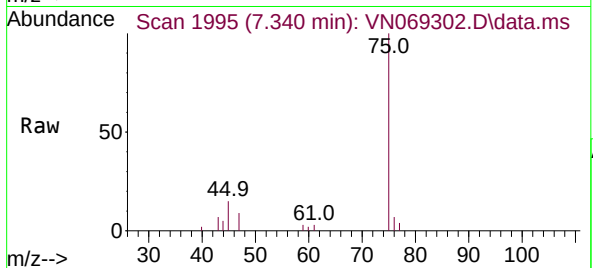
ClientSampleId :

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#26

2,2-Dichloropropane

Concen: 0.851 ug/l

RT: 7.326 min Scan# 1990

Delta R.T. -0.001 min

Lab File: VN069302.D

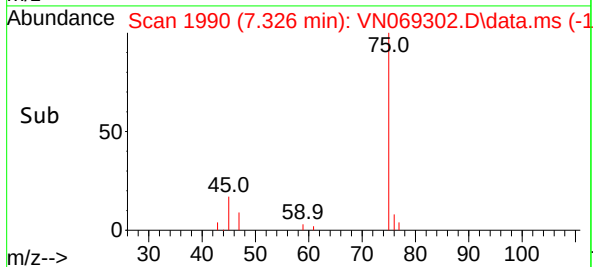
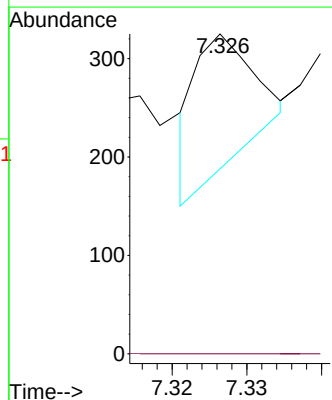
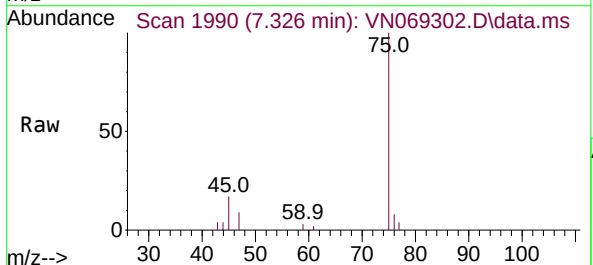
Acq: 29 Oct 2021 15:38

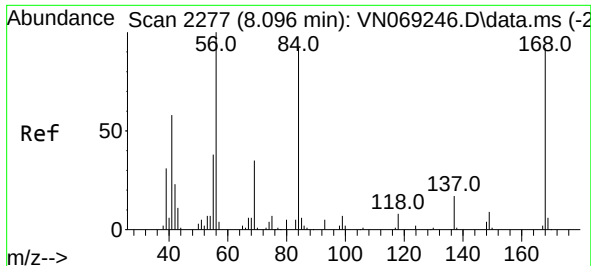
Tgt Ion: 77 Resp: 77

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

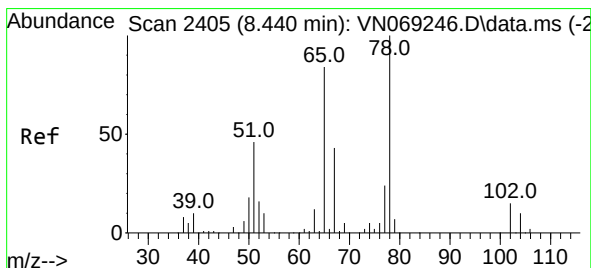
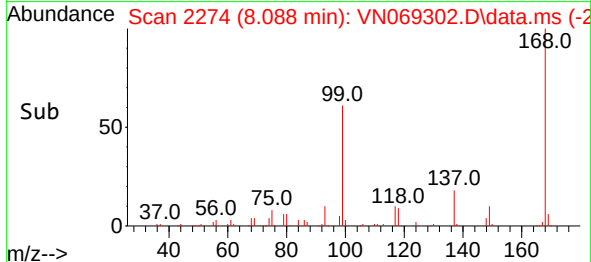
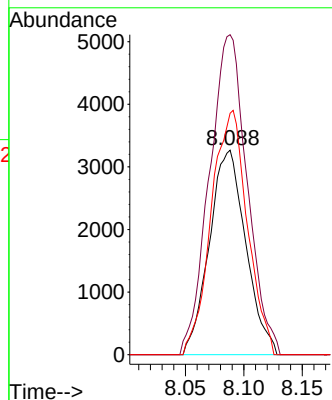
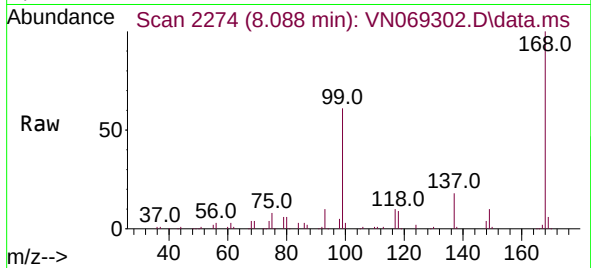




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

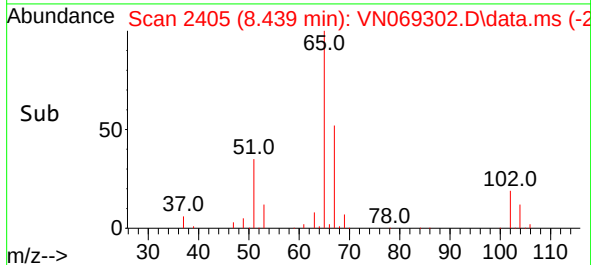
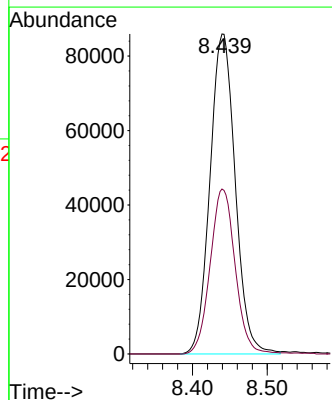
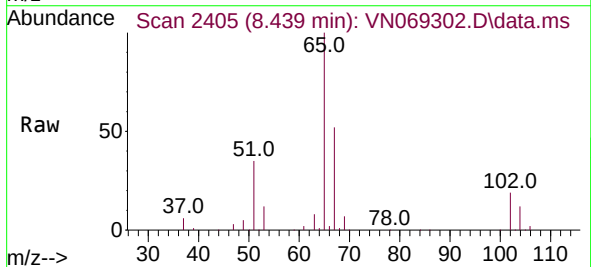
Instrument :
MSVOA_N
ClientSampleId :

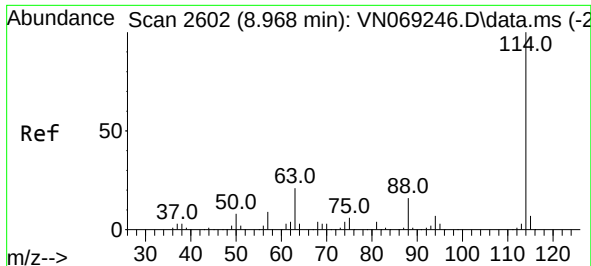
Tgt Ion: 56 Resp: 7102
Ion Ratio Lower Upper
56 100
69 156.4 26.9 40.3#
84 118.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.911 ug/l
RT: 8.439 min Scan# 2405
Delta R.T. -0.001 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion: 65 Resp: 201725
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.8

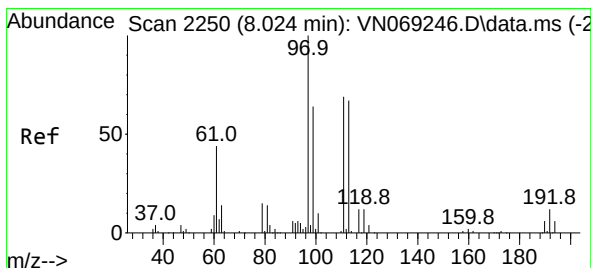
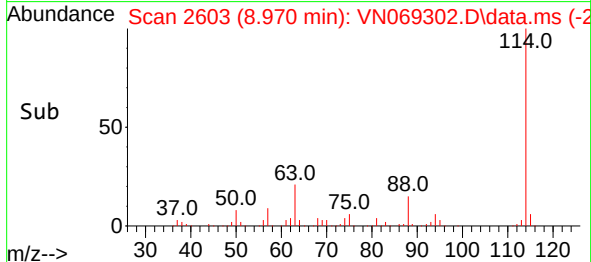
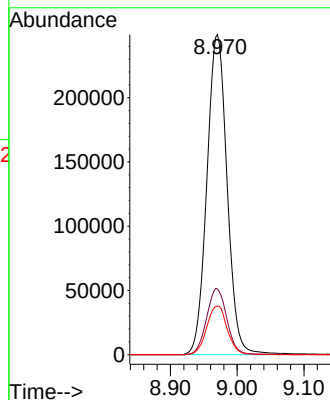
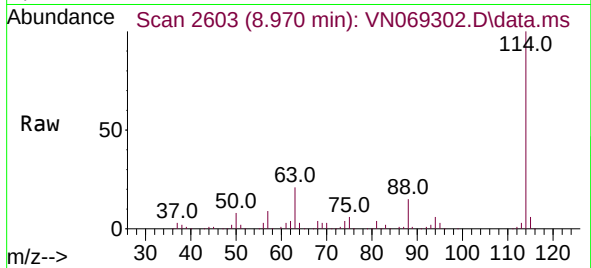




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.970 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

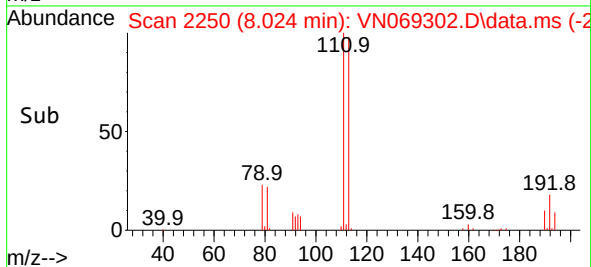
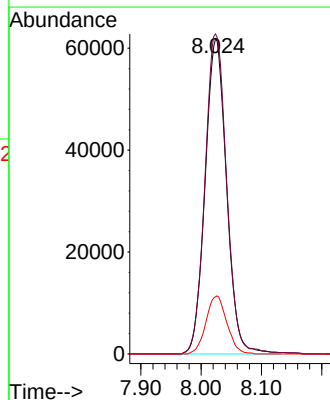
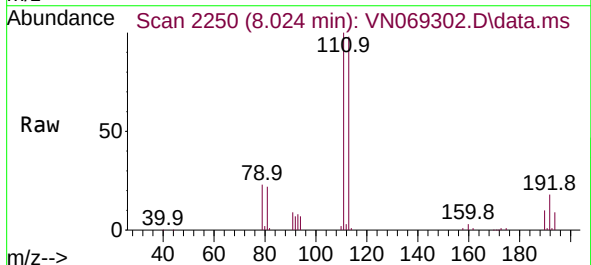
Instrument :
MSVOA_N
ClientSampleId :

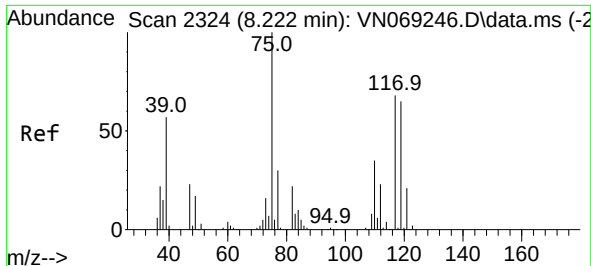
Tgt Ion:114 Resp: 524517
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 15.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.671 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

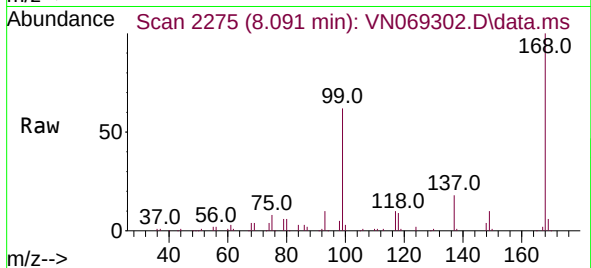
Tgt Ion:113 Resp: 152599
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.0 15.0 22.4



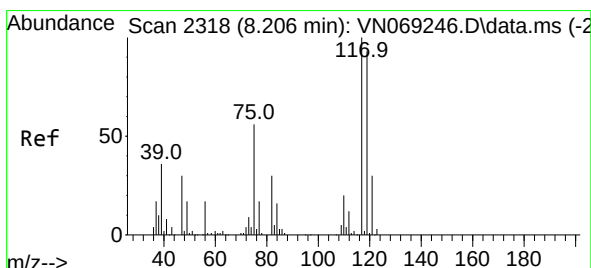
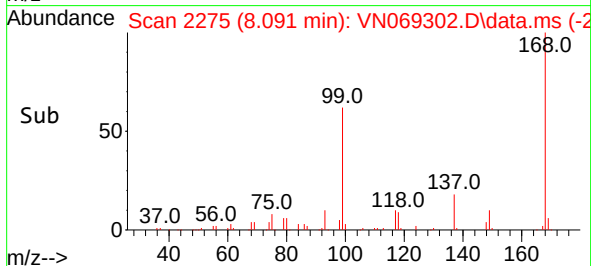
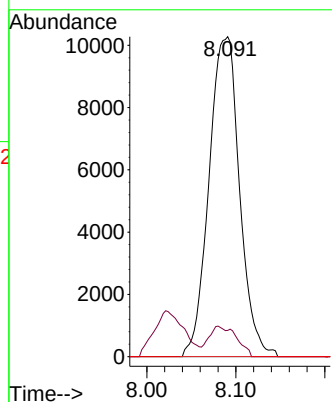


#36
 1,1-Dichloropropene
 Concen: 5.432 ug/l
 RT: 8.091 min Scan# 21
 Delta R.T. -0.131 min
 Lab File: VN069302.D
 Acq: 29 Oct 2021 15:38

Instrument :
 MSVOA_N
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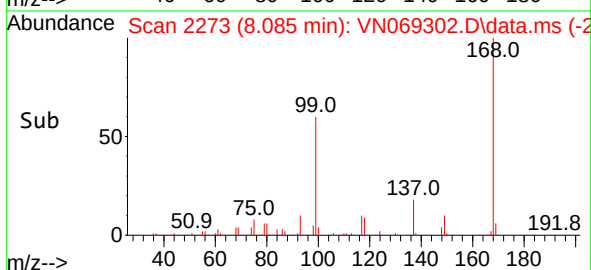
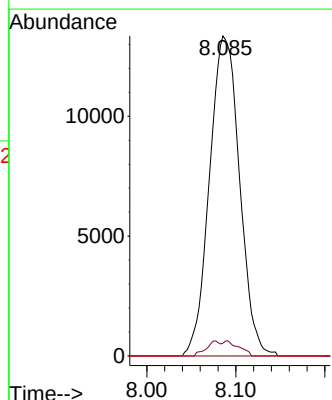
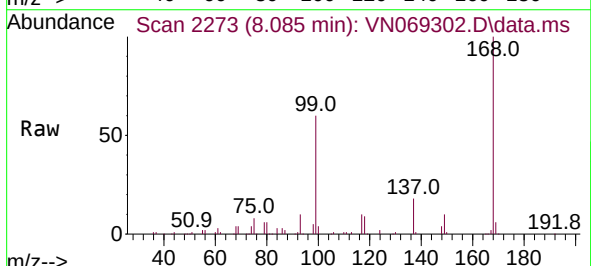


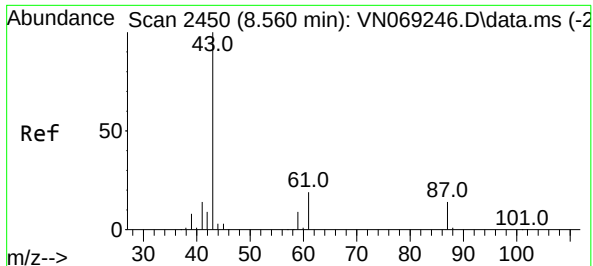
Tgt Ion: 75 Resp: 24563
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.976 ug/l
 RT: 8.085 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN069302.D
 Acq: 29 Oct 2021 15:38

Tgt Ion: 117 Resp: 31321
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.9 115.3#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.620 ug/l

RT: 8.643 min Scan# 2450

Delta R.T. 0.083 min

Lab File: VN069302.D

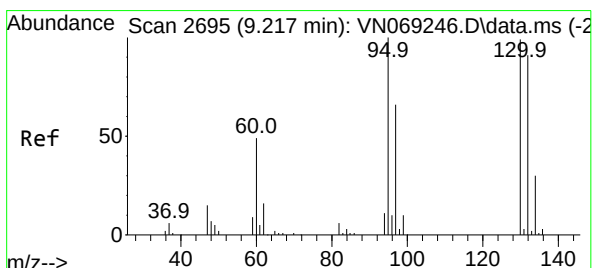
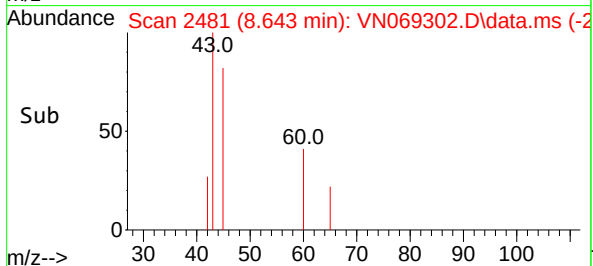
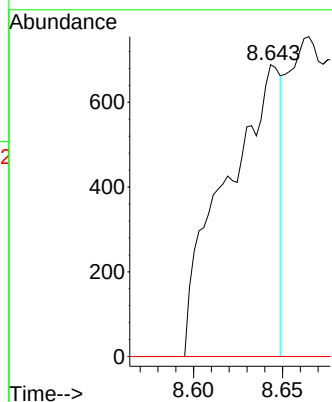
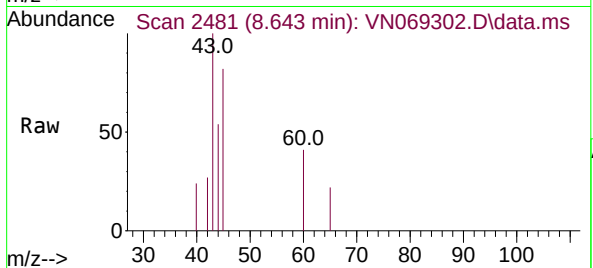
Acq: 29 Oct 2021 15:38

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	1464
Ion Ratio	Lower	Upper	
43	100		
61	0.0	20.4	30.6#
87	0.0	10.7	16.1#



#44

Trichloroethene

Concen: 0.212 ug/l

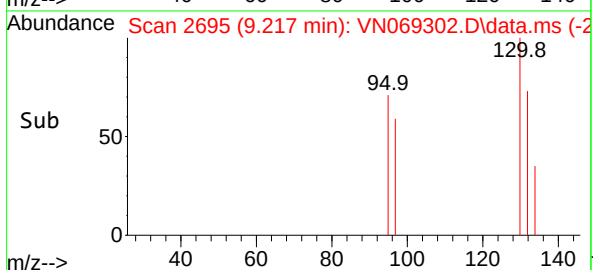
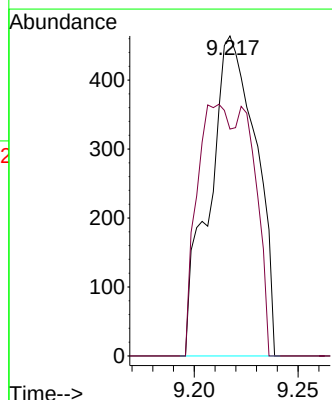
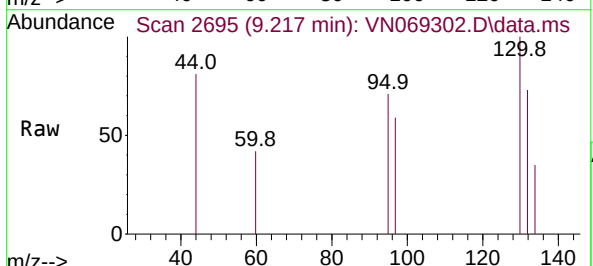
RT: 9.217 min Scan# 2695

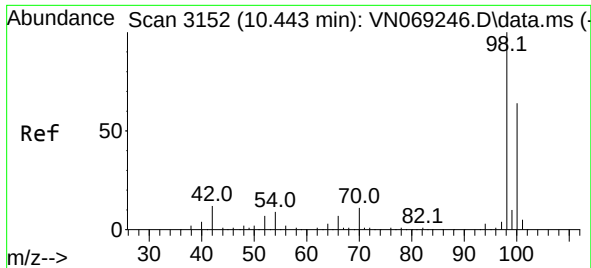
Delta R.T. 0.000 min

Lab File: VN069302.D

Acq: 29 Oct 2021 15:38

Tgt Ion:	130	Resp:	725
Ion Ratio	Lower	Upper	
130	100		
95	70.9	0.0	208.0

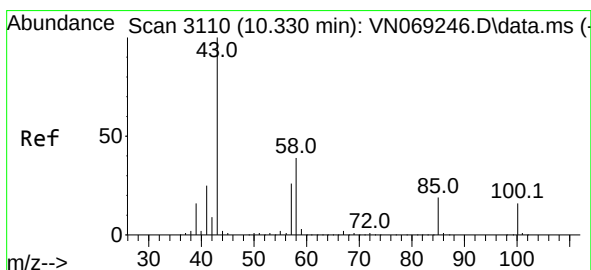
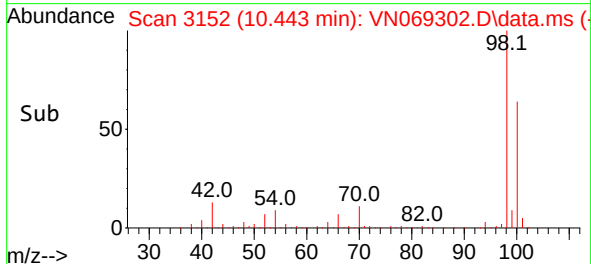
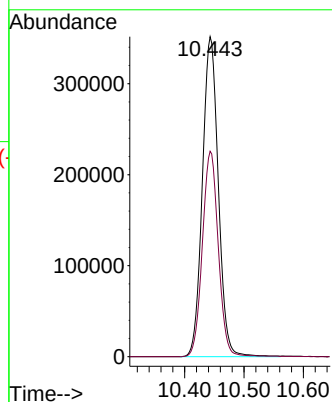
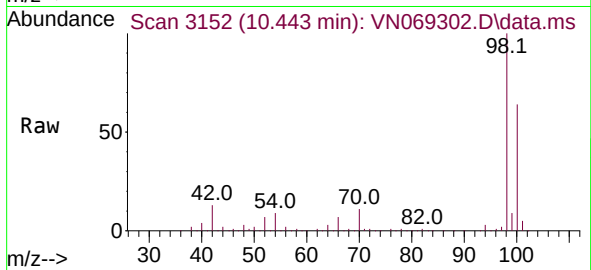




#50
Toluene-d8
Concen: 50.143 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

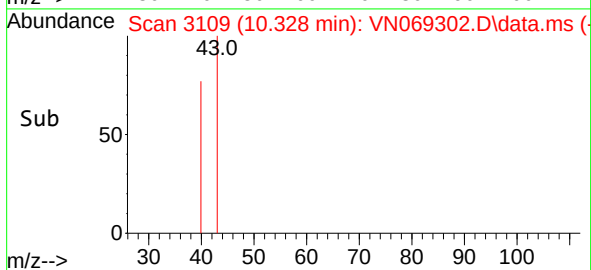
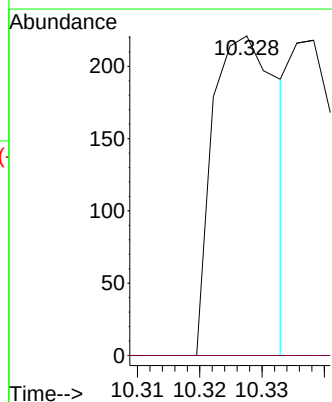
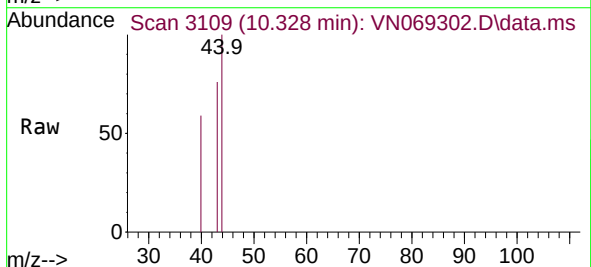
Instrument :
MSVOA_N
ClientSampleId :

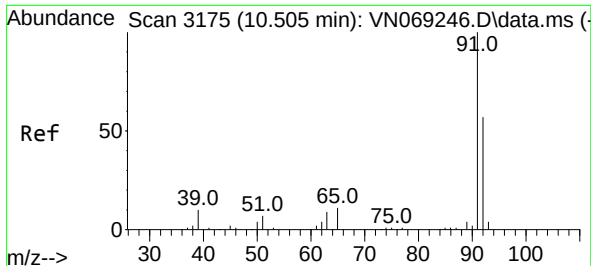
Tgt Ion: 98 Resp: 655518
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.429 ug/l
RT: 10.328 min Scan# 3109
Delta R.T. -0.002 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#





#52

Toluene

Concen: 0.278 ug/l

RT: 10.502 min Scan# 3175

Delta R.T. -0.003 min

Lab File: VN069302.D

Acq: 29 Oct 2021 15:38

Instrument :

MSVOA_N

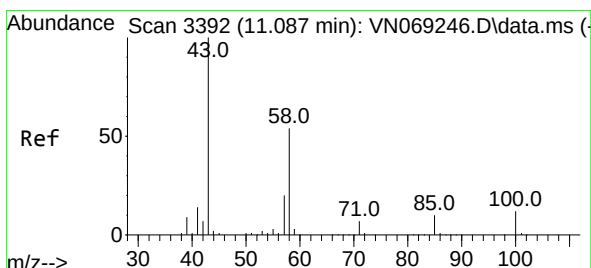
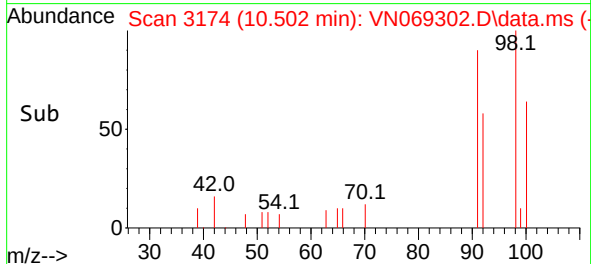
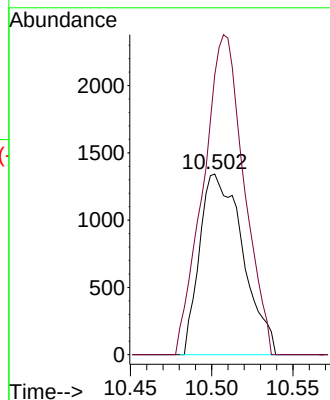
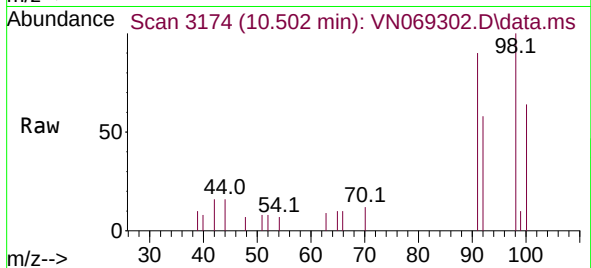
ClientSampleId :

Tgt Ion: 92 Resp: 2480

Ion Ratio Lower Upper

92 100

91 167.0 138.5 207.7



#59

2-Hexanone

Concen: 8.059 ug/l

RT: 11.087 min Scan# 3392

Delta R.T. -0.000 min

Lab File: VN069302.D

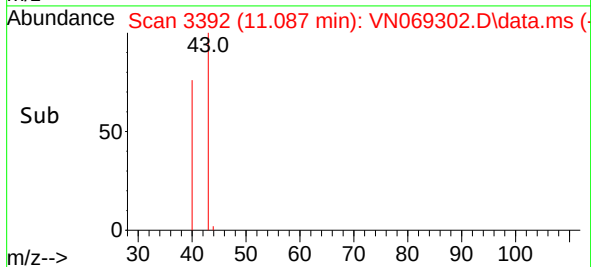
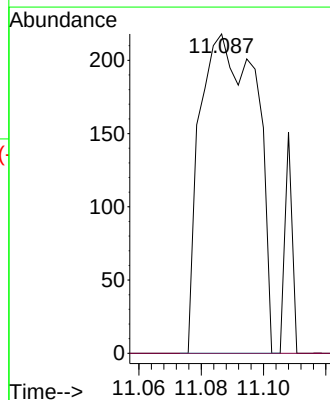
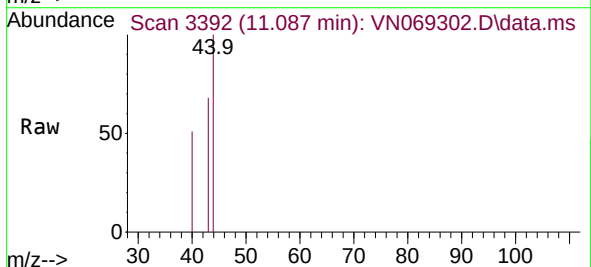
Acq: 29 Oct 2021 15:38

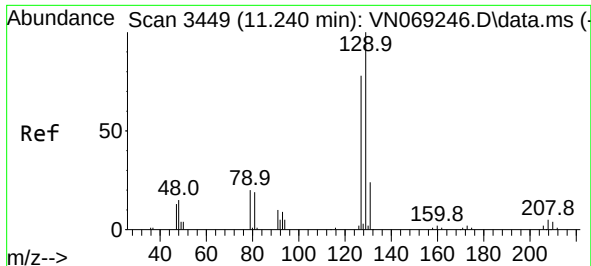
Tgt Ion: 43 Resp: 272

Ion Ratio Lower Upper

43 100

58 0.0 26.9 80.7#

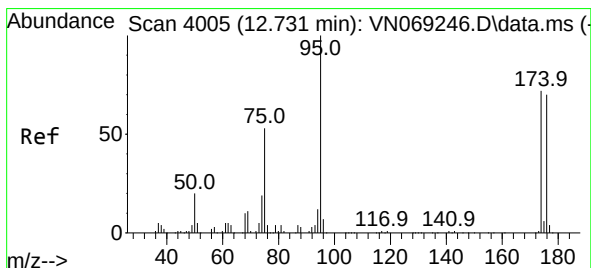
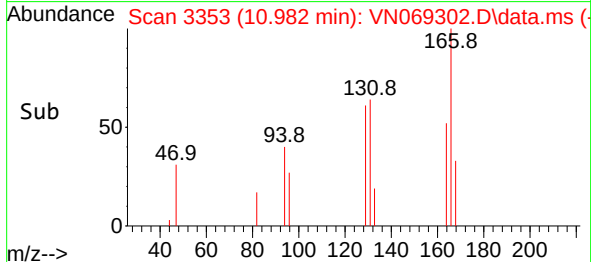
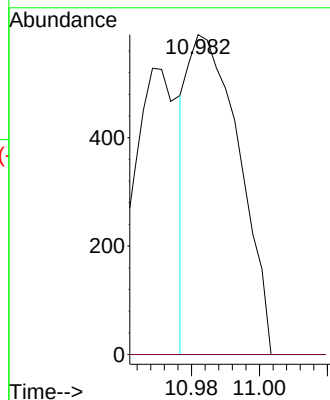
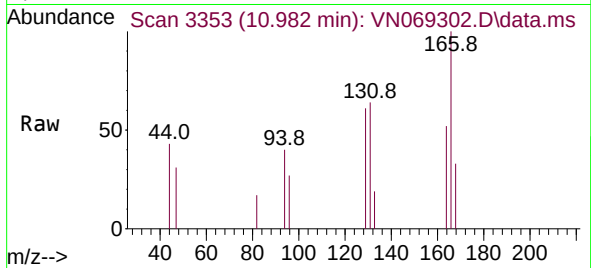




#60
Dibromochloromethane
Concen: 2.122 ug/l
RT: 10.982 min Scan# 31
Delta R.T. -0.258 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

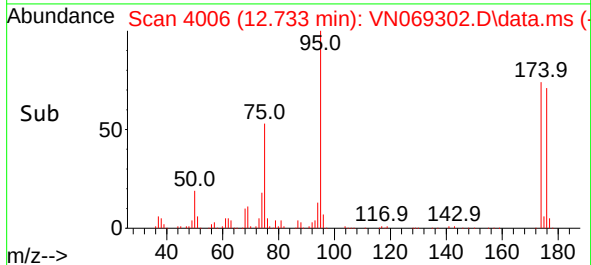
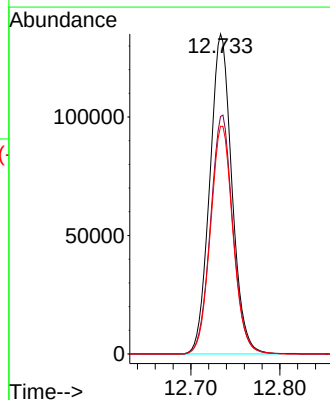
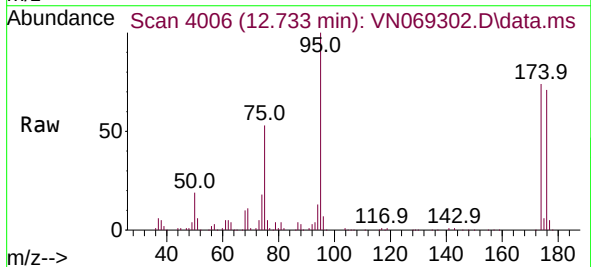
Instrument :
MSVOA_N
ClientSampleId :

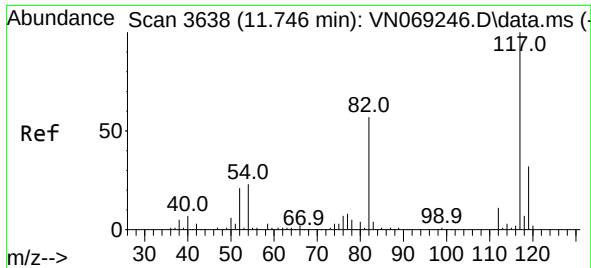
Tgt Ion:129 Resp: 623
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 47.298 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion: 95 Resp: 233330
Ion Ratio Lower Upper
95 100
174 75.6 0.0 144.8
176 72.6 0.0 140.0

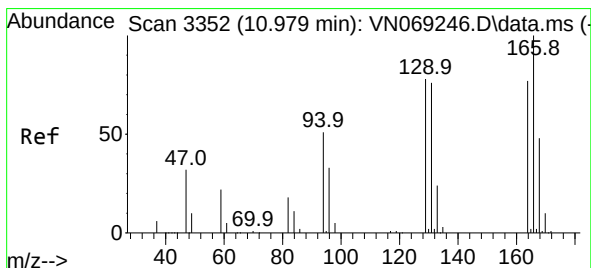
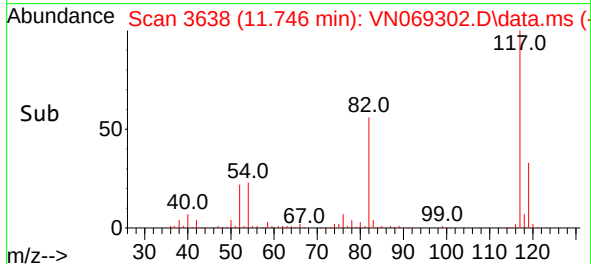
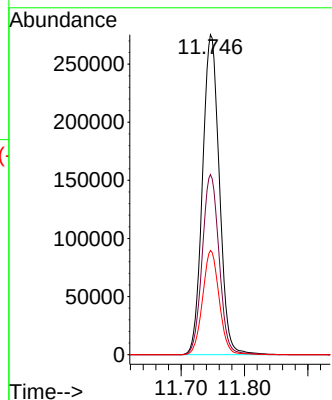
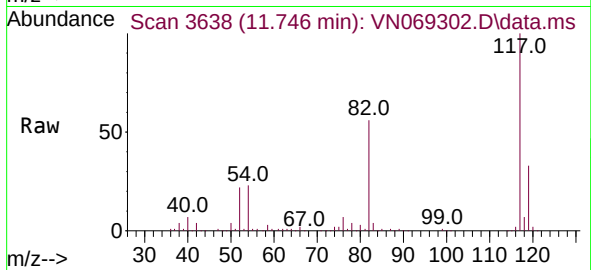




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

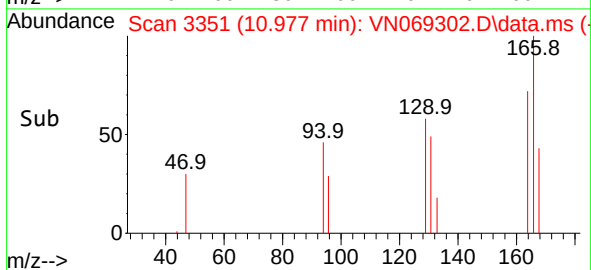
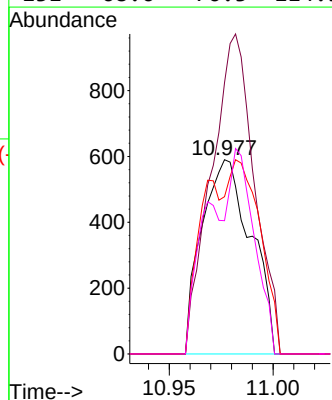
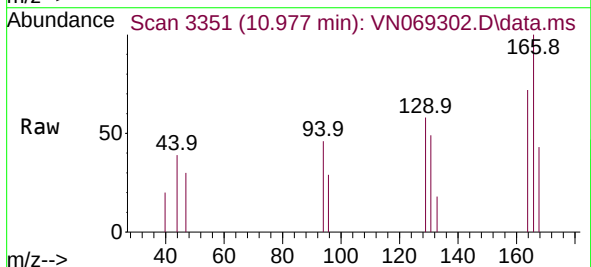
Instrument :
MSVOA_N
ClientSampleId :

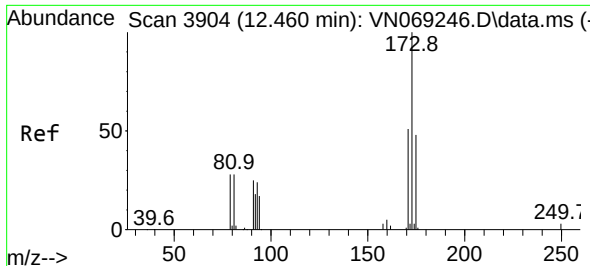
Tgt Ion:117 Resp: 507845
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 0.301 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

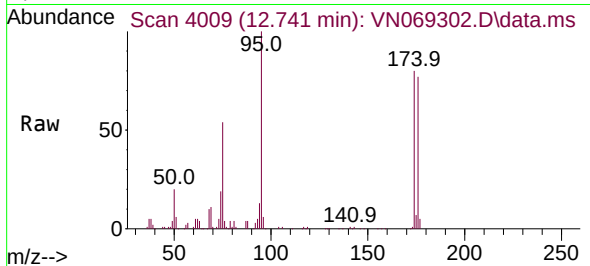
Tgt Ion:164 Resp: 975
Ion Ratio Lower Upper
164 100
166 139.7 99.8 149.8
129 81.0 79.2 118.8
131 68.6 76.3 114.5#



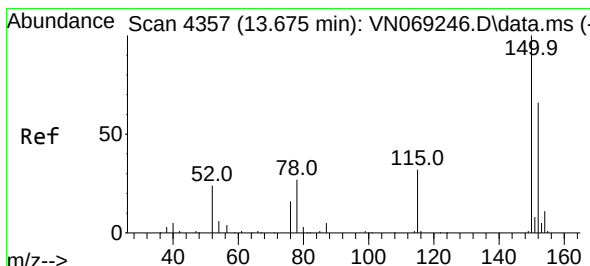
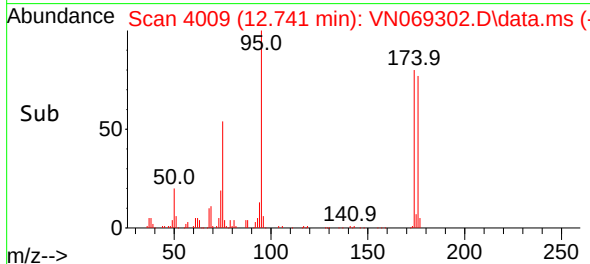
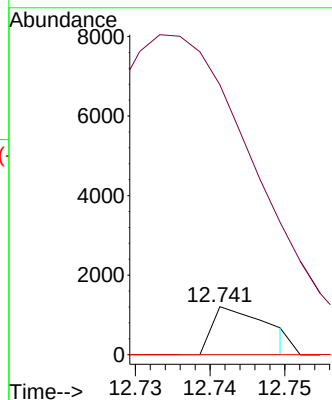


#71
Bromoform
Concen: 3.056 ug/l
RT: 12.741 min Scan# 4009
Delta R.T. 0.281 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :

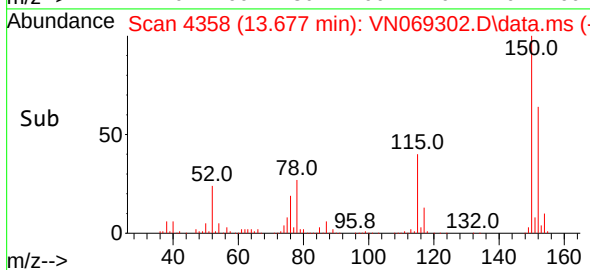
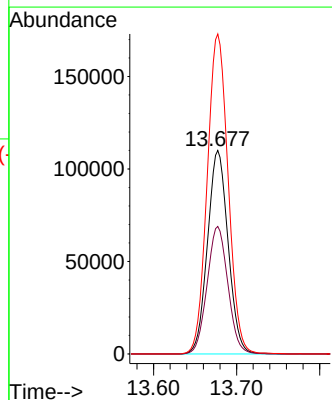
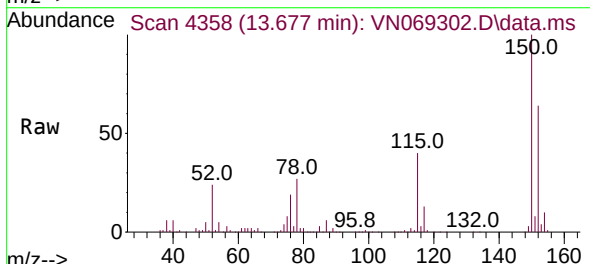


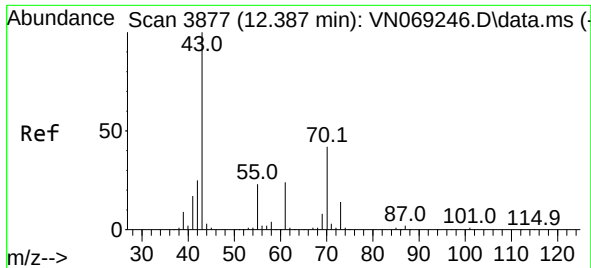
Tgt Ion:173 Resp: 610
Ion Ratio Lower Upper
173 100
175 2081.3 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion:152 Resp: 189550
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 159.1 0.0 351.0

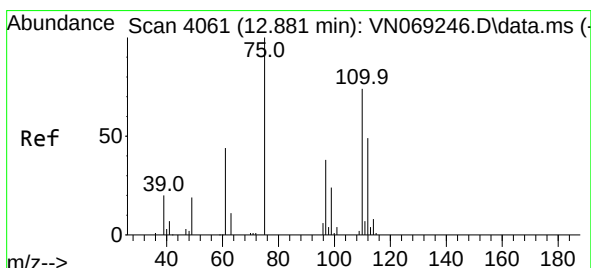
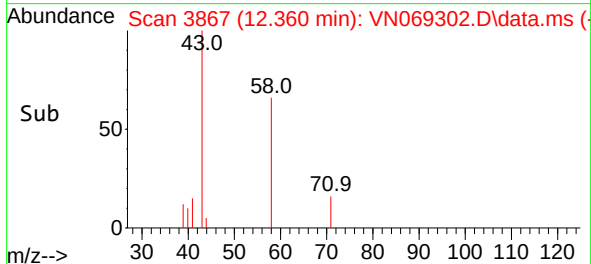
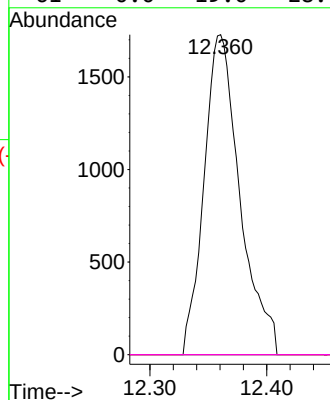
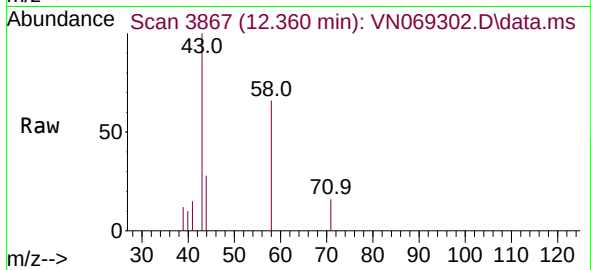




#74
N-amy1 acetate
Concen: 0.589 ug/l
RT: 12.360 min Scan# 3867
Delta R.T. -0.027 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

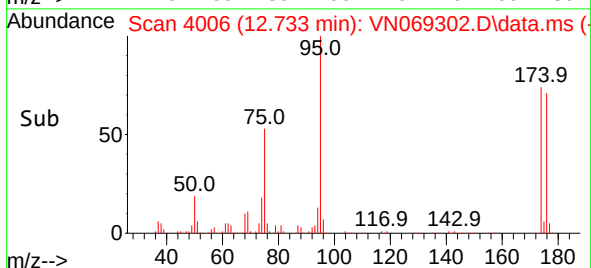
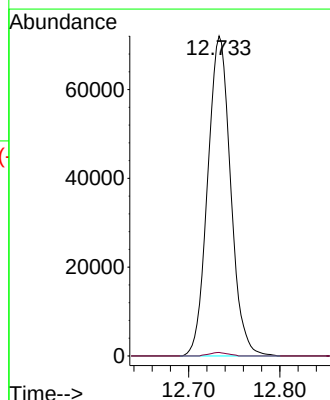
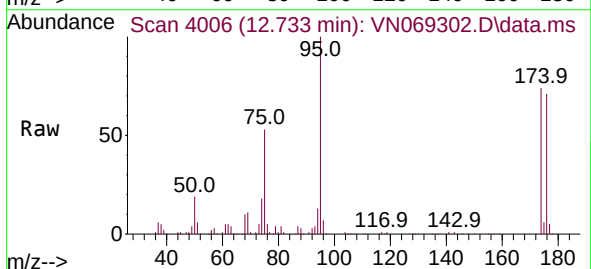
Instrument :
MSVOA_N
ClientSampleId :

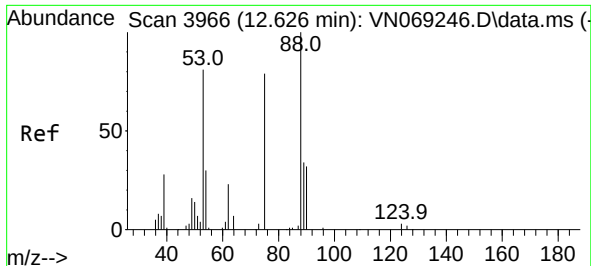
Tgt Ion: 43	Resp:	3694
Ion Ratio	Lower	Upper
43	100	
70	0.0	32.2 48.2#
55	0.0	18.0 27.0#
61	0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 25.260 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion: 75	Resp:	125930
Ion Ratio	Lower	Upper
75	100	
77	0.9	96.2 288.4#

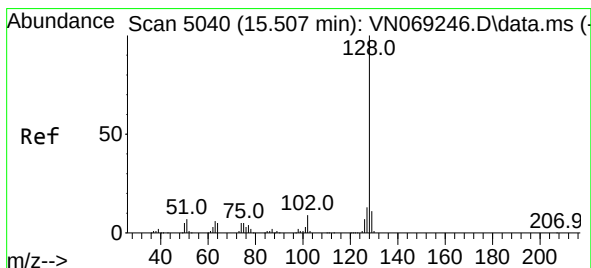
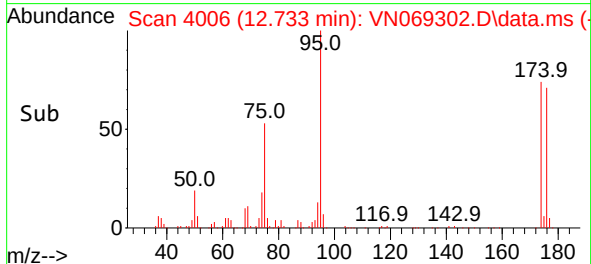
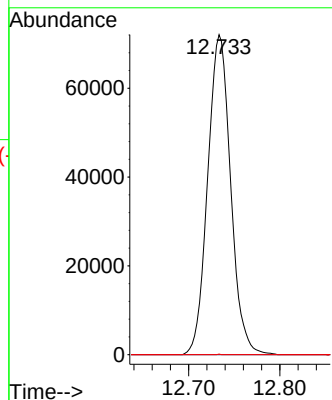
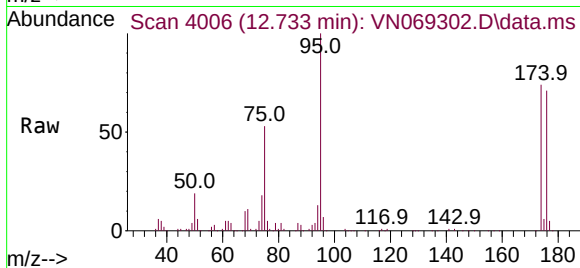




#81
trans-1,4-Dichloro-2-butene
Concen: 72.305 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 125930
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.334 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069302.D
Acq: 29 Oct 2021 15:38

Tgt Ion:128 Resp: 264
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

