

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069298.D
 Acq On : 29 Oct 2021 13:55
 Operator : JC/MD
 Sample : M4338-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:41:16 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)

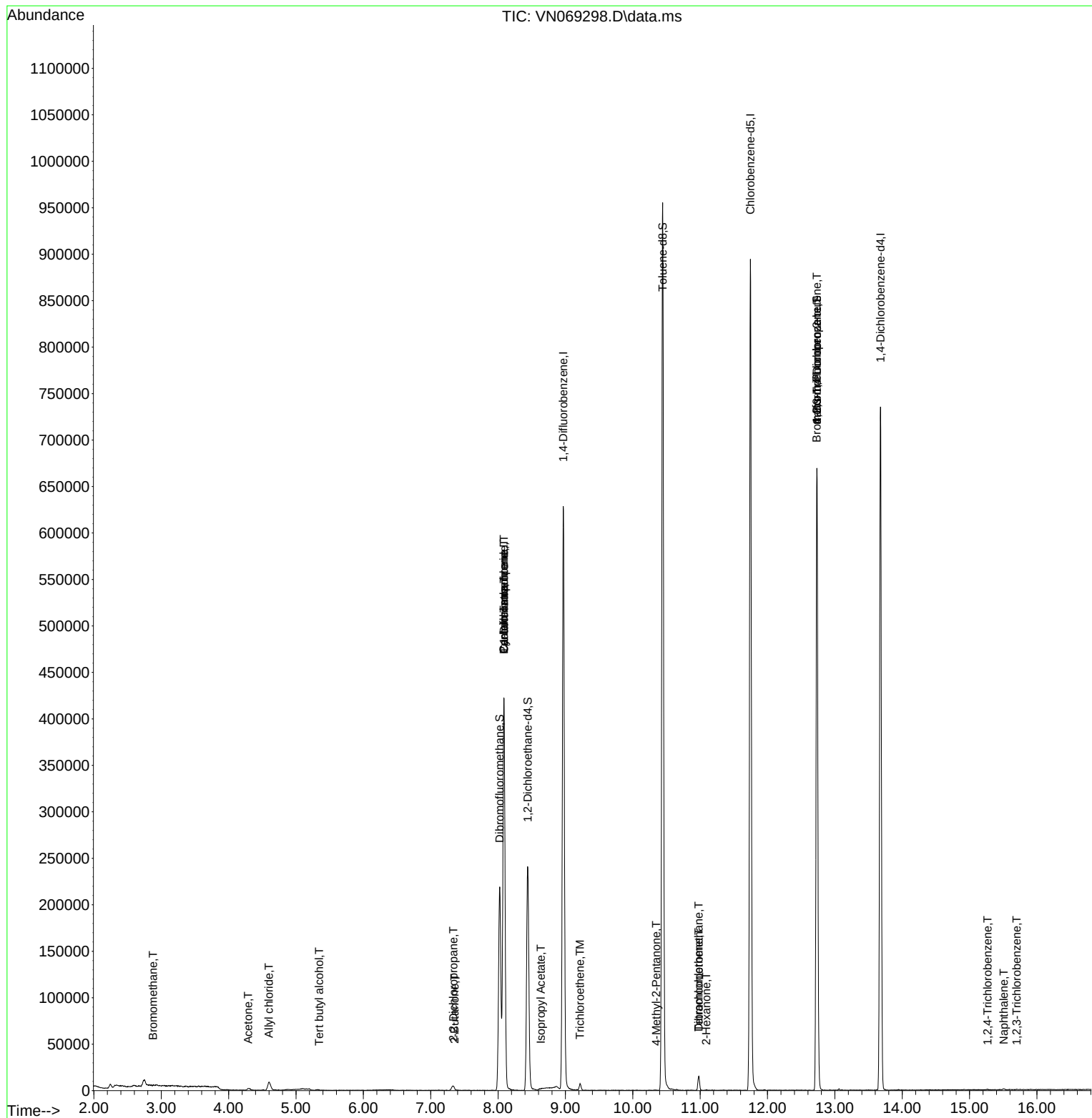
Internal Standards						
1) Pentafluorobenzene	8.088	168	312289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	551989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	531519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	199753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	211862	46.997	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	94.000%	
35) Dibromofluoromethane	8.024	113	159984	46.495	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	92.980%	
50) Toluene-d8	10.443	98	685977	49.861	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	99.720%	
62) 4-Bromofluorobenzene	12.733	95	244222	47.042	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	94.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	710	Below Cal	#	42
5) Bromomethane	2.877	94	697	0.265	ug/l #	80
11) Tert butyl alcohol	5.345	59	80	13.494	ug/l #	72
14) Allyl chloride	4.596	41	1437	0.289	ug/l #	63
16) Acetone	4.291	43	1808	0.941	ug/l	96
25) 2-Butanone	7.353	43	159	1.688	ug/l #	48
26) 2,2-Dichloropropane	7.335	77	132	0.860	ug/l #	53
31) Cyclohexane	8.086	56	7302	1.210	ug/l #	5
36) 1,1-Dichloropropene	8.086	75	25677	5.396	ug/l #	49
38) Carbon Tetrachloride	8.086	117	32667	6.923	ug/l #	15
43) Isopropyl Acetate	8.635	43	1185	0.583	ug/l #	55
44) Trichloroethene	9.215	130	2534	0.703	ug/l	92
51) 4-Methyl-2-Pentanone	10.347	43	211	6.436	ug/l #	36
59) 2-Hexanone	11.089	43	420	8.087	ug/l #	43
60) Dibromochloromethane	10.977	129	3763	2.818	ug/l #	10
64) Tetrachloroethene	10.977	164	3571	1.052	ug/l	95
71) Bromoform	12.731	173	1126	3.195	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	131178	24.969	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131178	71.520	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	339	2.587	ug/l #	31
95) Naphthalene	15.507	128	1647	3.462	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	77	2.230	ug/l #	43

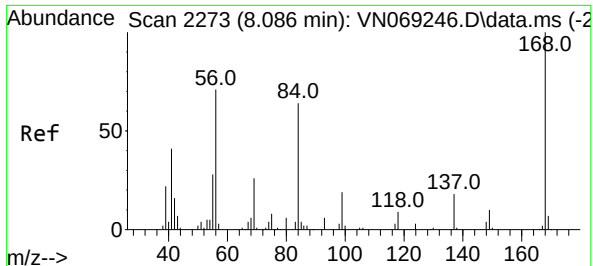
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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MSVOA_N
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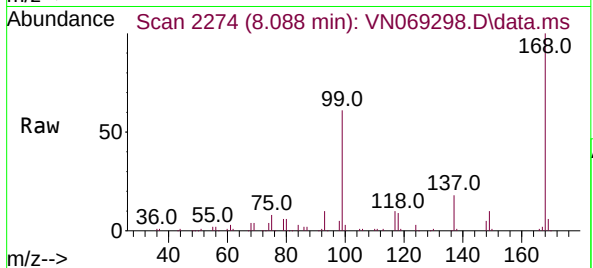
Quant Time: Oct 30 05:41:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
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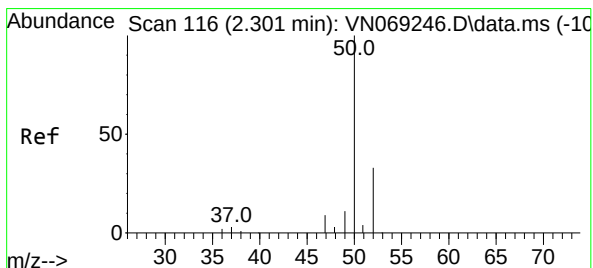
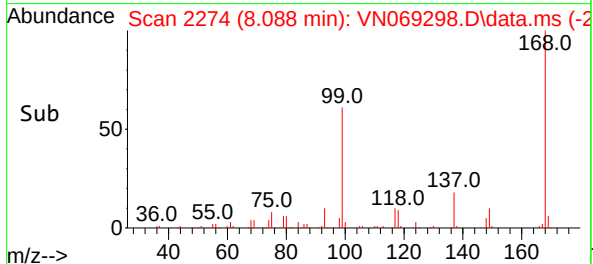
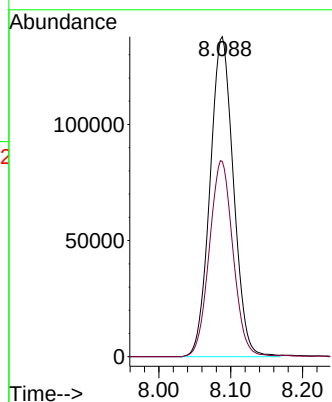


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

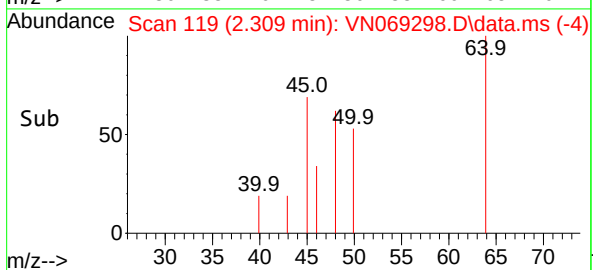
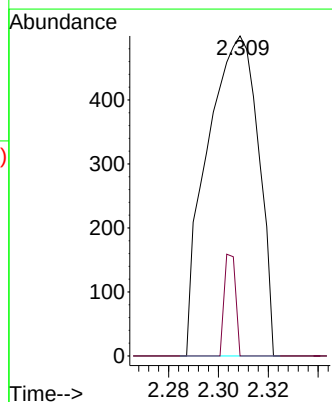
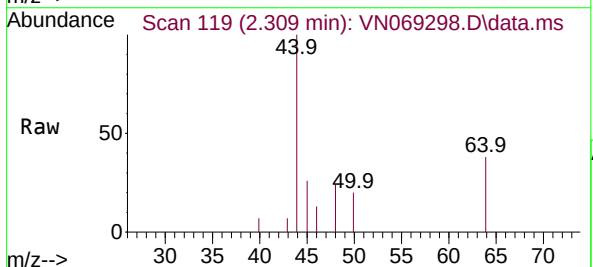


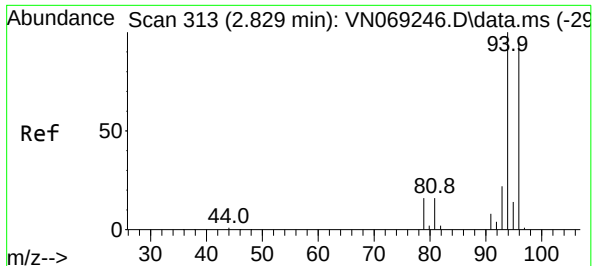
Tgt Ion:168 Resp: 312289
Ion Ratio Lower Upper
168 100
99 61.1 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Tgt Ion: 50 Resp: 710
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

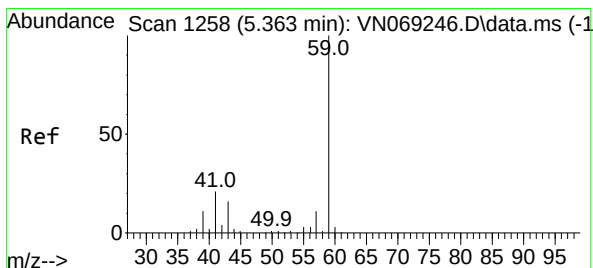
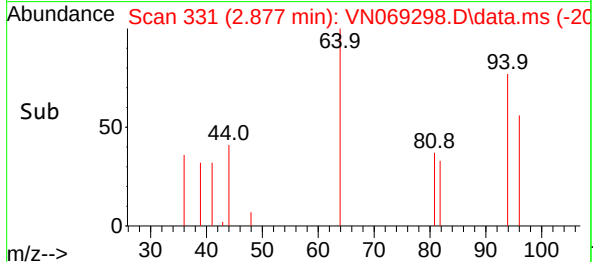
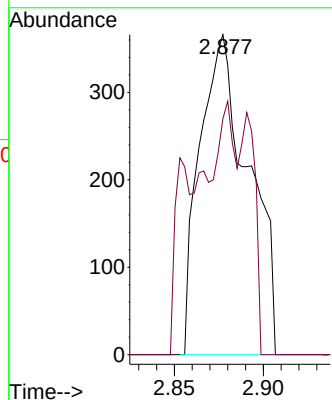
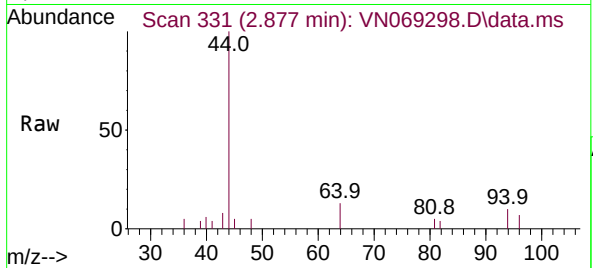




#5
Bromomethane
Concen: 0.265 ug/l
RT: 2.877 min Scan# 31
Delta R.T. 0.048 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

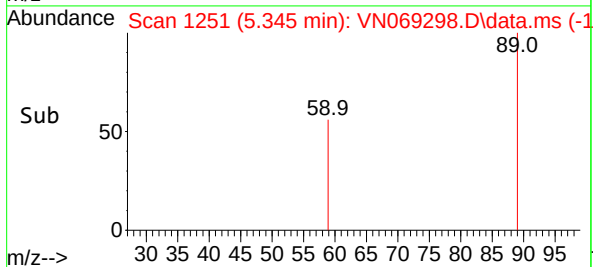
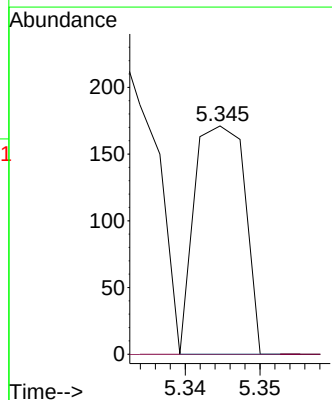
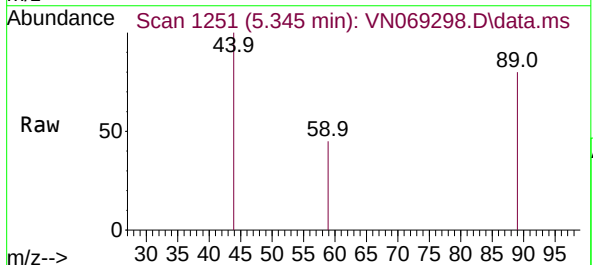
Instrument :
MSVOA_N
ClientSampleId :

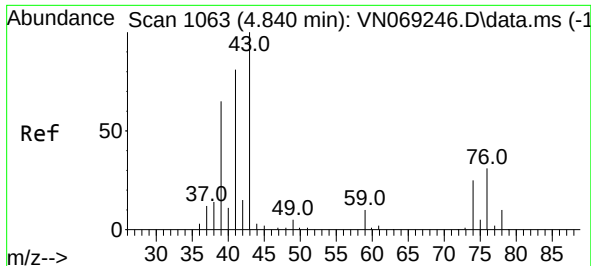
Tgt Ion: 94 Resp: 697
Ion Ratio Lower Upper
94 100
96 73.8 74.2 111.4#



#11
Tert butyl alcohol
Concen: 13.494 ug/l
RT: 5.345 min Scan# 1251
Delta R.T. -0.018 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.289 ug/l

RT: 4.596 min Scan# 91

Delta R.T. -0.244 min

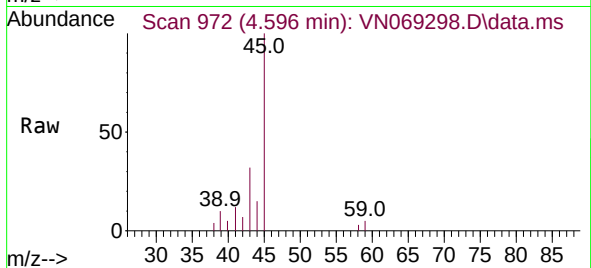
Lab File: VN069298.D

Acq: 29 Oct 2021 13:55

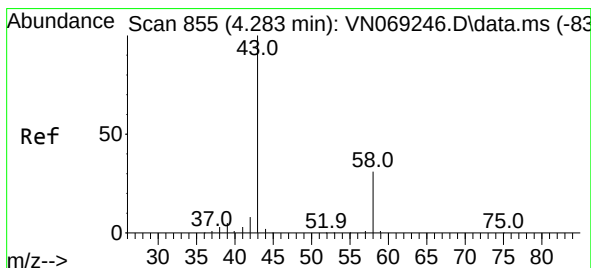
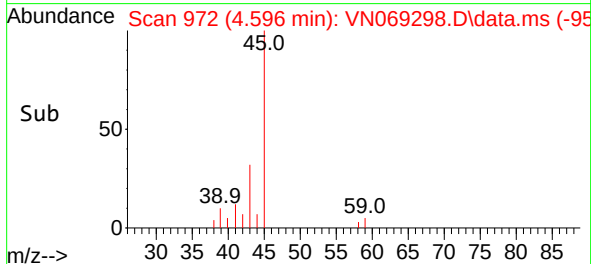
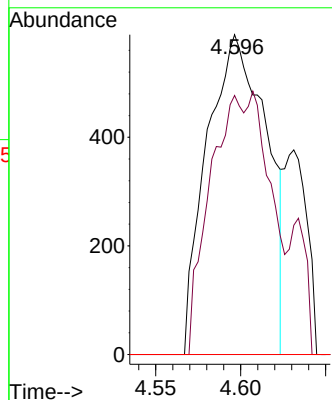
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	1437
Ion	Ratio	Lower	Upper
41	100		
39	47.1	55.6	83.4#
76	0.0	26.4	39.6#



#16

Acetone

Concen: 0.941 ug/l

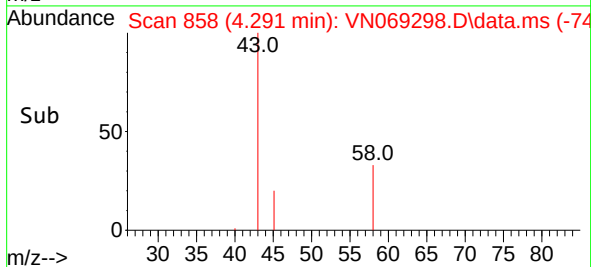
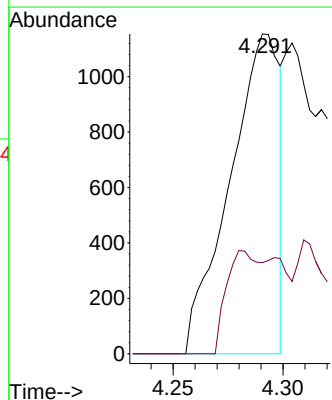
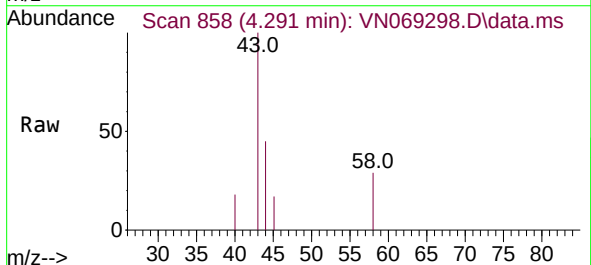
RT: 4.291 min Scan# 858

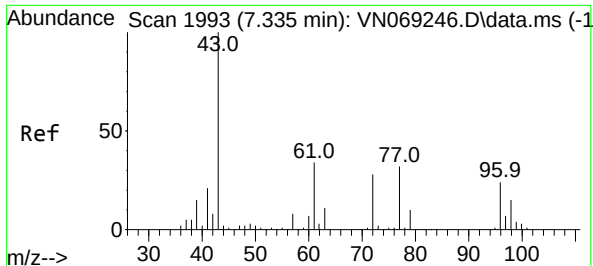
Delta R.T. 0.008 min

Lab File: VN069298.D

Acq: 29 Oct 2021 13:55

Tgt Ion:	43	Resp:	1808
Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.5	36.7





#25

2-Butanone

Concen: 1.688 ug/l

RT: 7.353 min Scan# 20

Delta R.T. 0.018 min

Lab File: VN069298.D

Acq: 29 Oct 2021 13:55

Instrument :

MSVOA_N

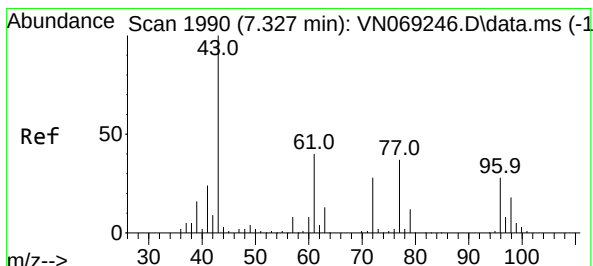
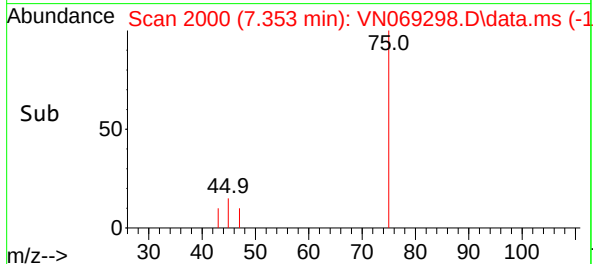
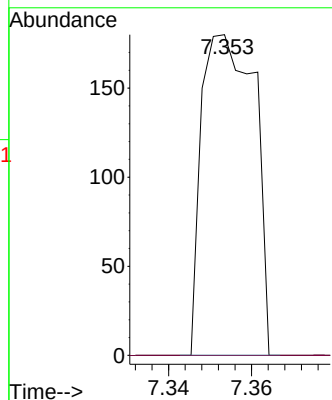
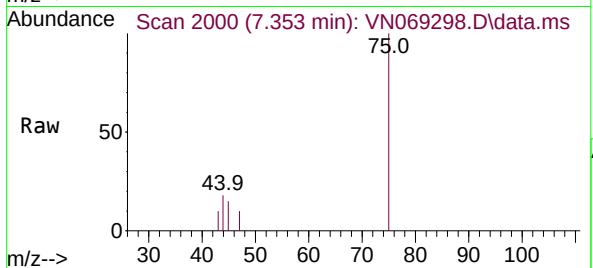
ClientSampleId :

Tgt Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#26

2,2-Dichloropropane

Concen: 0.860 ug/l

RT: 7.335 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN069298.D

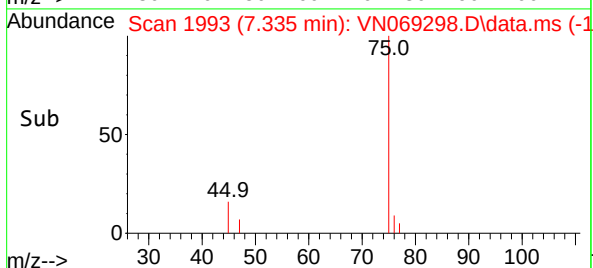
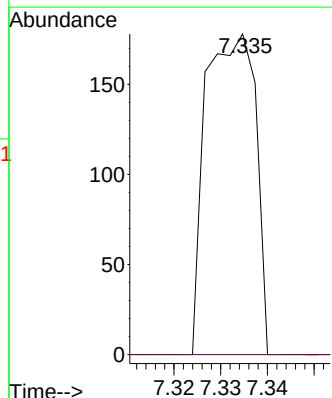
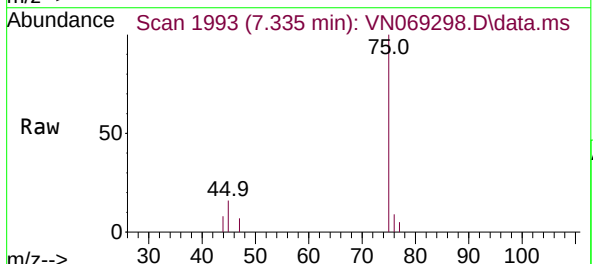
Acq: 29 Oct 2021 13:55

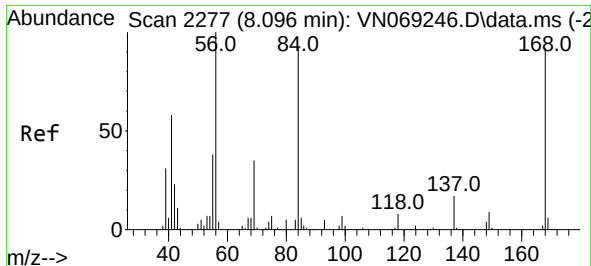
Tgt Ion: 77 Resp: 132

Ion Ratio Lower Upper

77 100

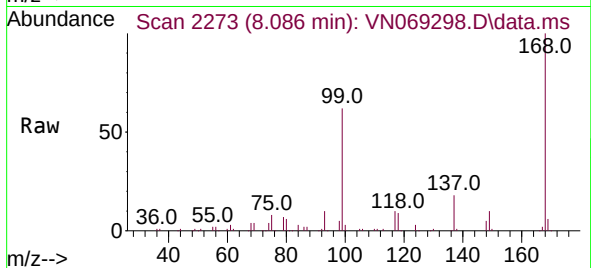
97 0.0 11.2 33.6#



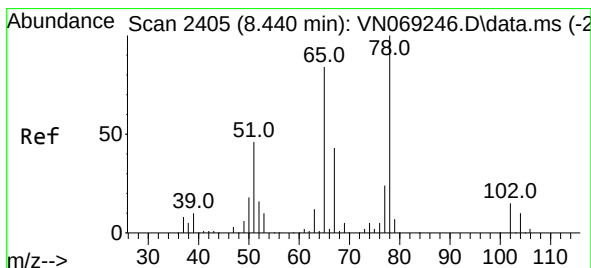
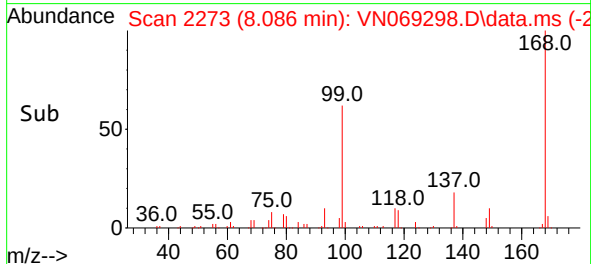
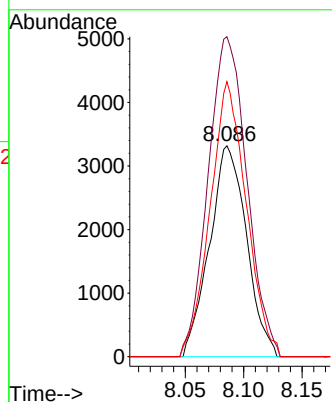


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.010 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

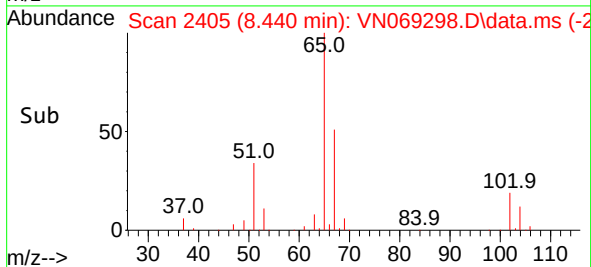
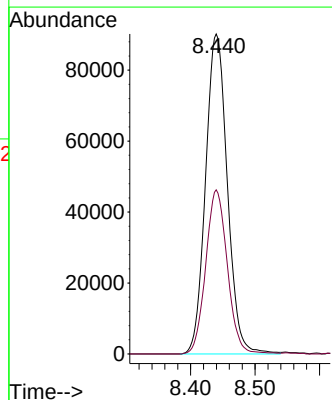
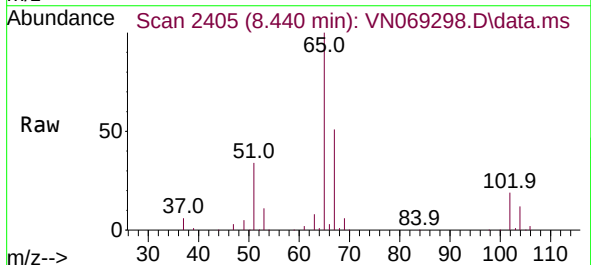


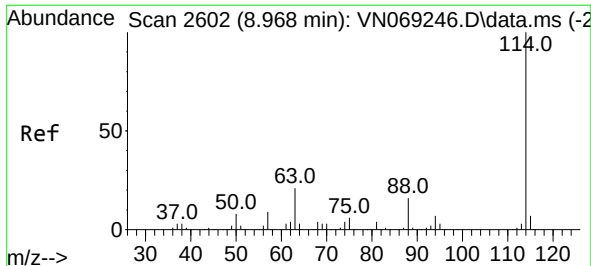
Tgt Ion: 56 Resp: 7302
Ion Ratio Lower Upper
56 100
69 151.8 26.9 40.3#
84 130.4 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.997 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

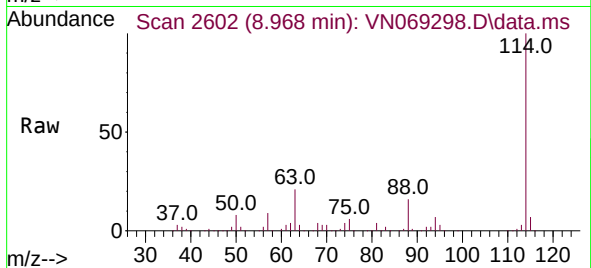
Tgt Ion: 65 Resp: 211862
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8



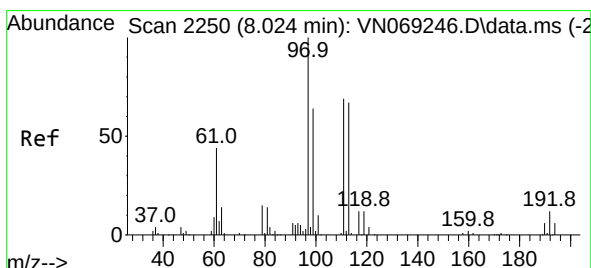
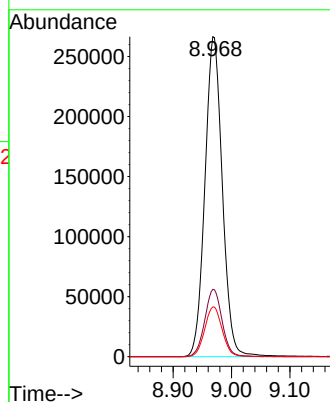
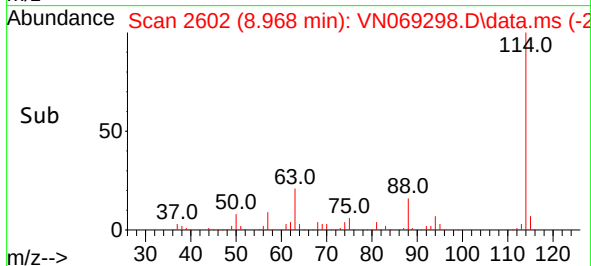


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

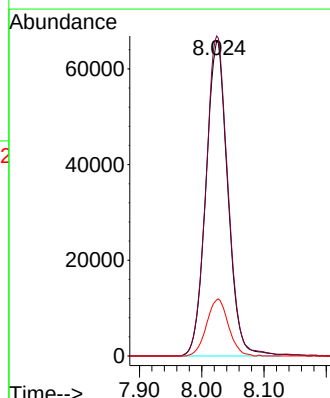
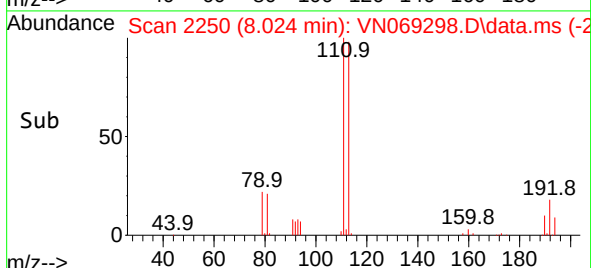
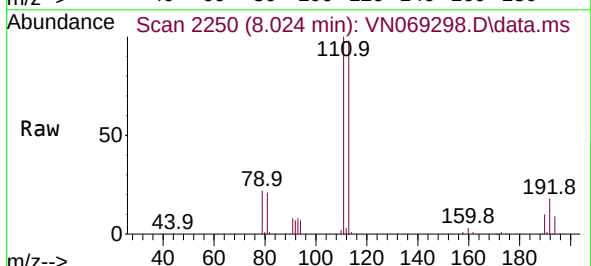


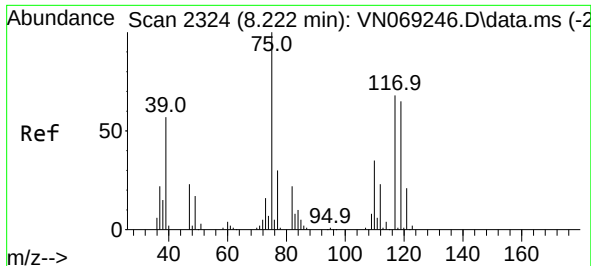
Tgt Ion:114 Resp: 551989
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 15.6 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.495 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

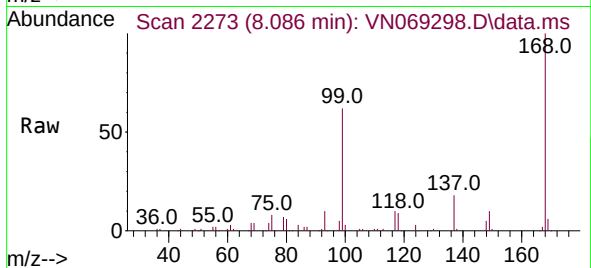
Tgt Ion:113 Resp: 159984
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 18.1 15.0 22.4



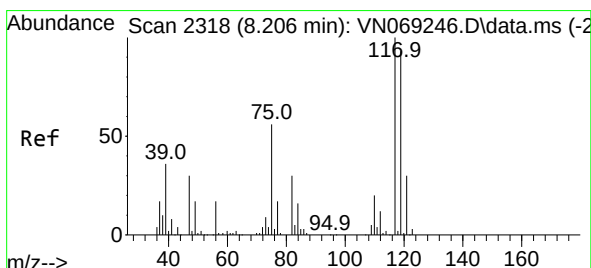
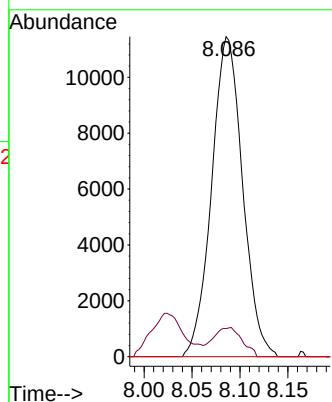
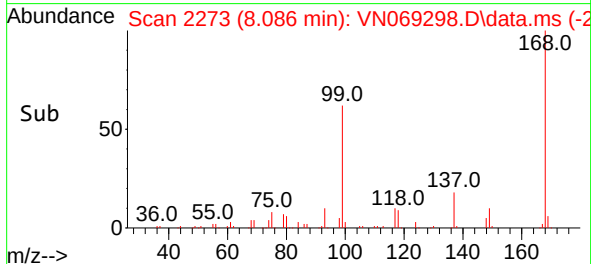


#36
1,1-Dichloropropene
Concen: 5.396 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.136 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

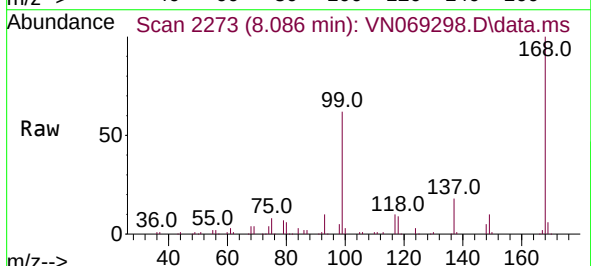
Instrument :
MSVOA_N
ClientSampleId :



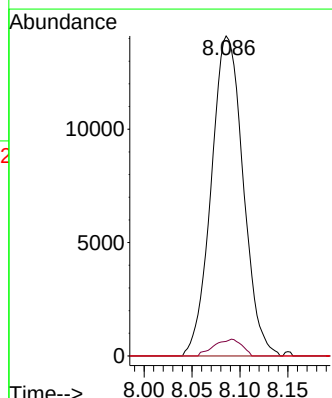
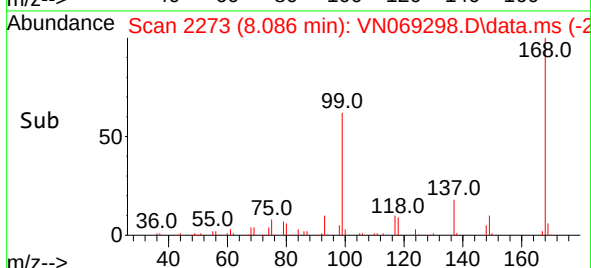
Tgt Ion: 75 Resp: 25677
Ion Ratio Lower Upper
75 100
110 8.6 17.9 53.8#
77 0.0 24.7 37.1#

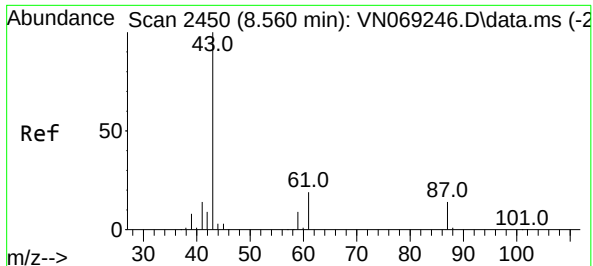


#38
Carbon Tetrachloride
Concen: 6.923 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55



Tgt Ion:117 Resp: 32667
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

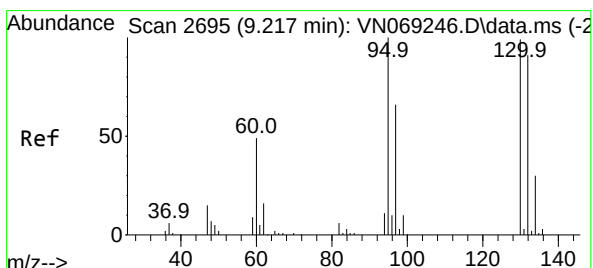
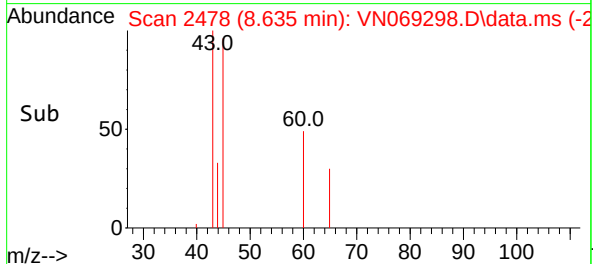
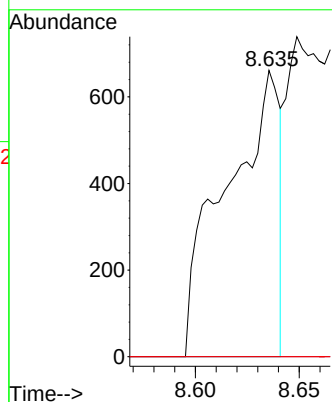
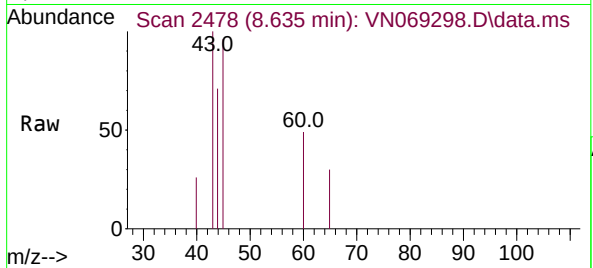




#43
Isopropyl Acetate
Concen: 0.583 ug/l
RT: 8.635 min Scan# 2450
Delta R.T. 0.075 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

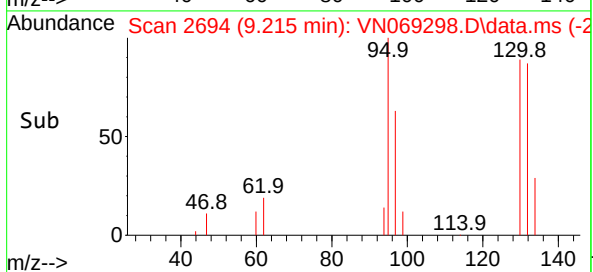
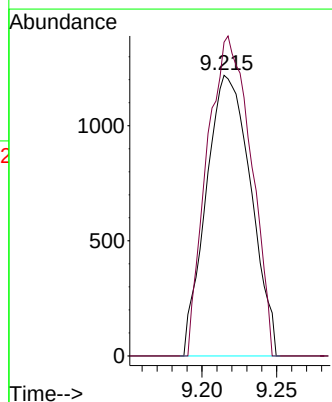
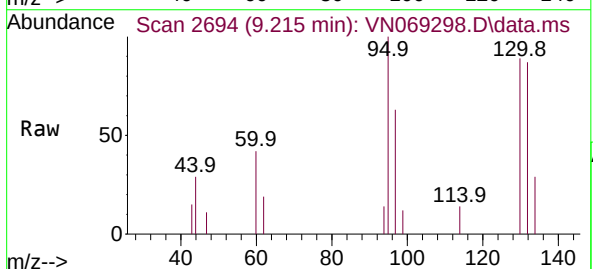
Instrument :
MSVOA_N
ClientSampleId :

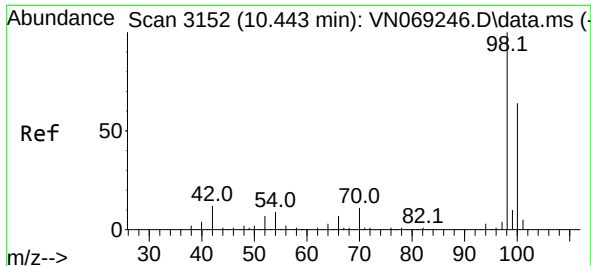
Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#44
Trichloroethene
Concen: 0.703 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Tgt Ion: 130 Resp: 2534
Ion Ratio Lower Upper
130 100
95 111.8 0.0 208.0

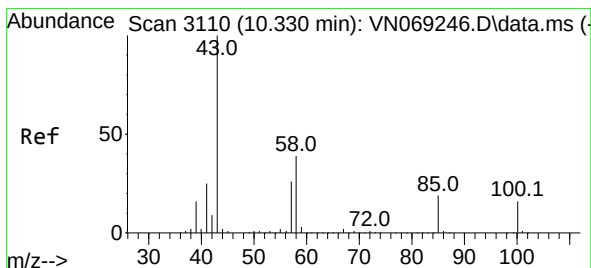
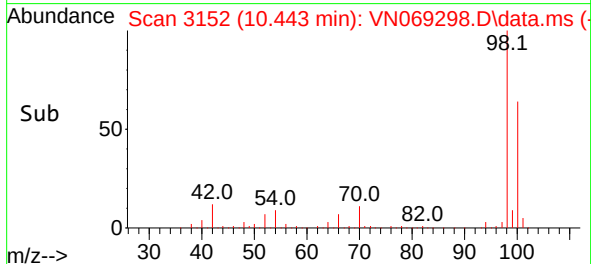
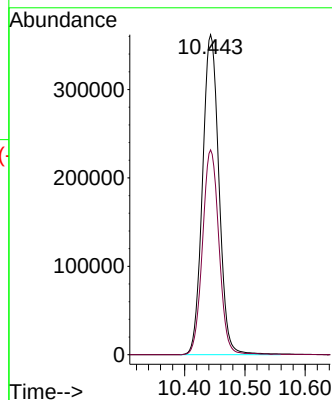
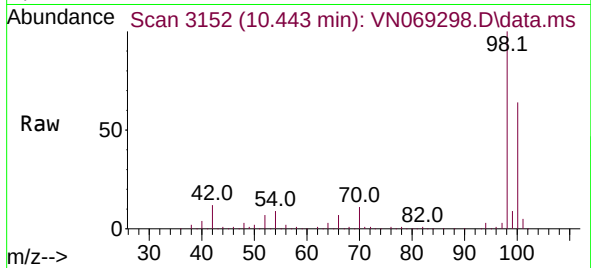




#50
Toluene-d8
Concen: 49.861 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

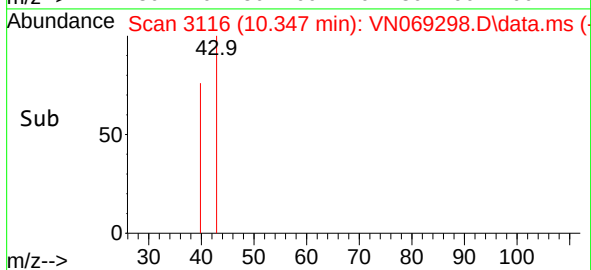
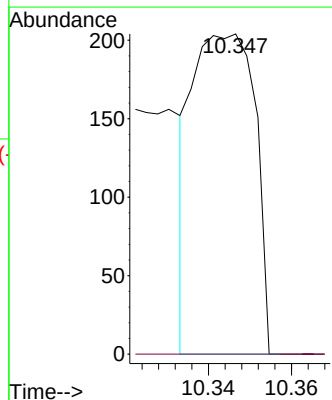
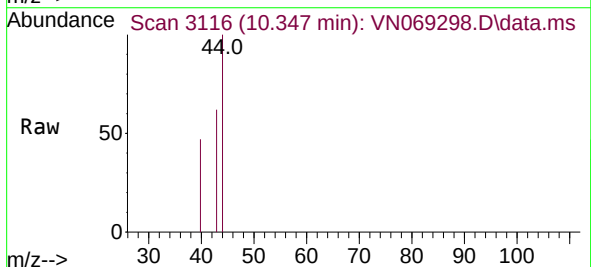
Instrument :
MSVOA_N
ClientSampleId :

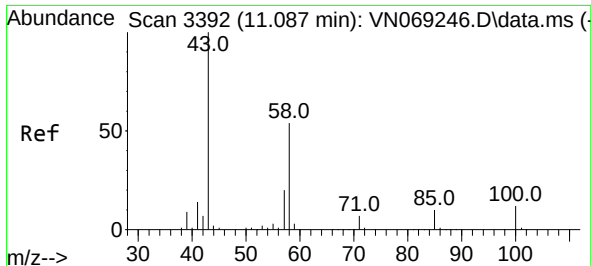
Tgt Ion: 98 Resp: 685977
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.436 ug/l
RT: 10.347 min Scan# 3116
Delta R.T. 0.017 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

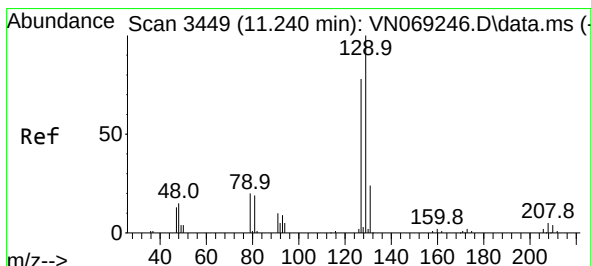
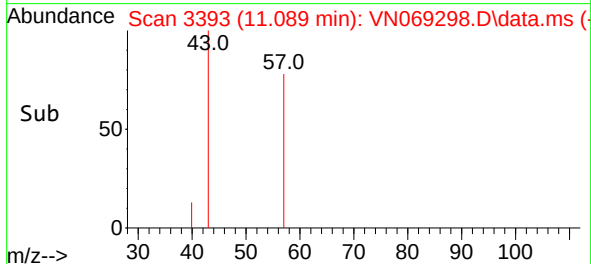
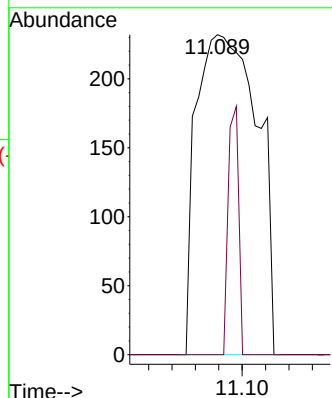
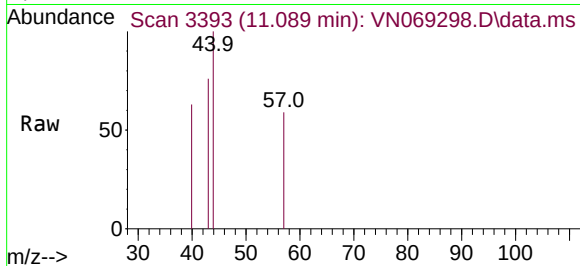




#59
2-Hexanone
Concen: 8.087 ug/l
RT: 11.089 min Scan# 3392
Delta R.T. 0.002 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

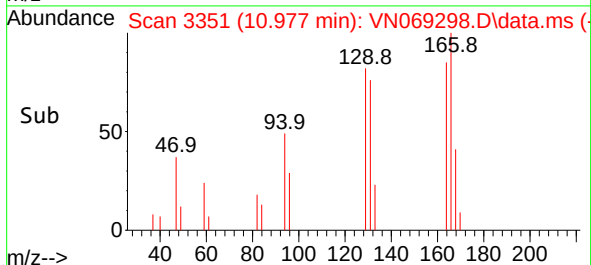
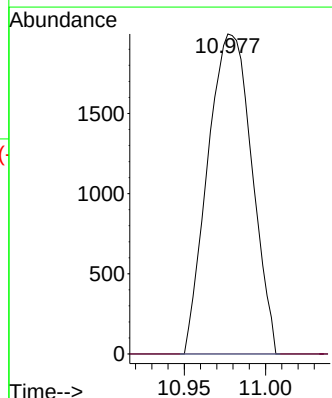
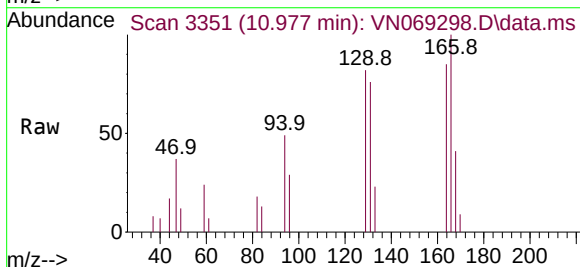
Instrument :
MSVOA_N
ClientSampleId :

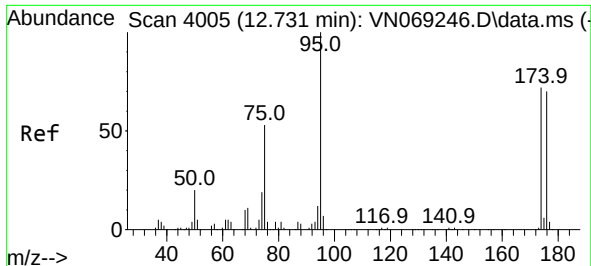
Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 13.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.818 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

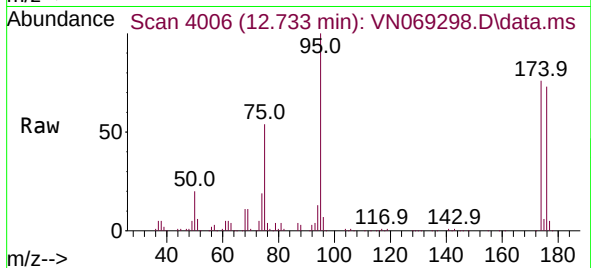
Tgt Ion: 129 Resp: 3763
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



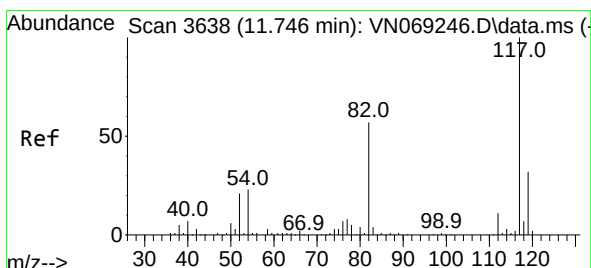
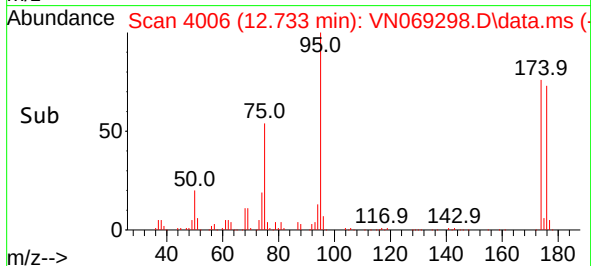
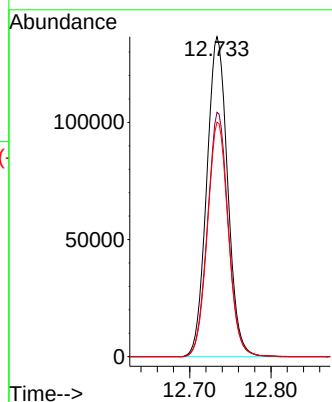


#62
4-Bromofluorobenzene
Concen: 47.042 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

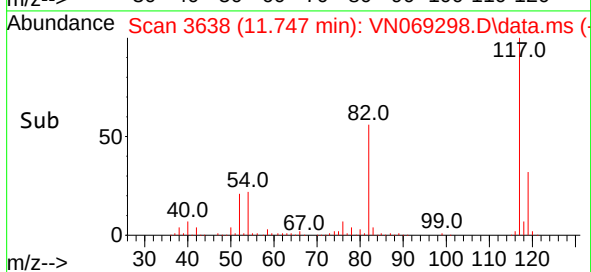
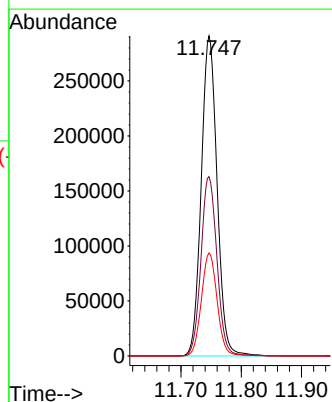
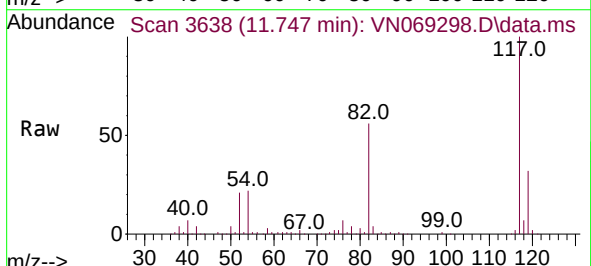


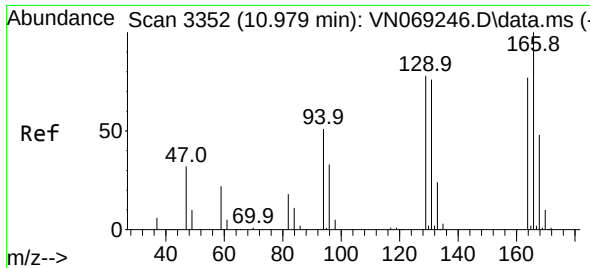
Tgt Ion: 95 Resp: 244222
Ion Ratio Lower Upper
95 100
174 75.7 0.0 144.8
176 73.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

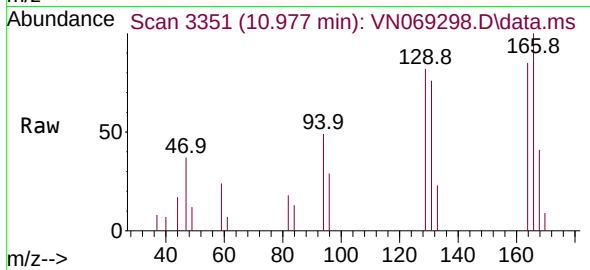
Tgt Ion: 117 Resp: 531519
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.2 26.0 39.0



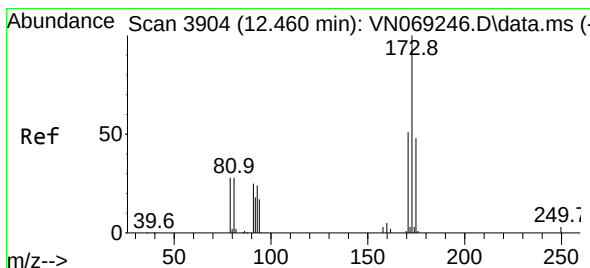
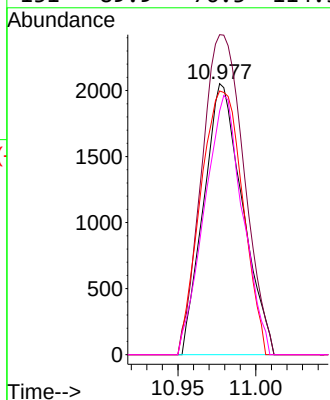
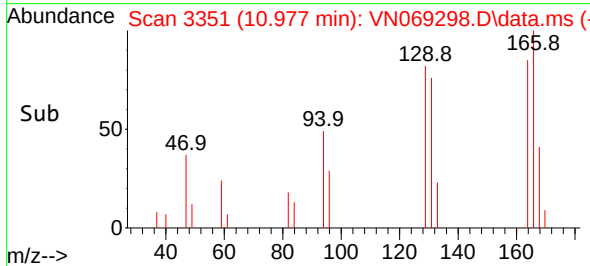


#64
Tetrachloroethene
Concen: 1.052 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :

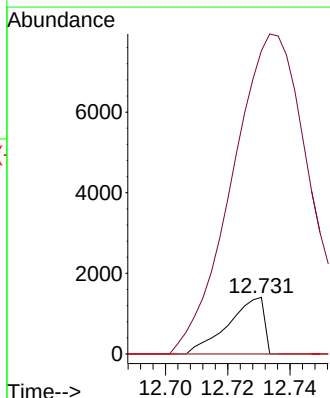
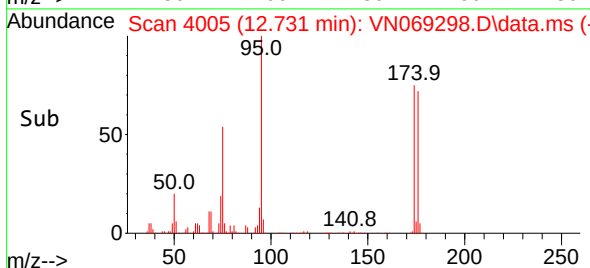
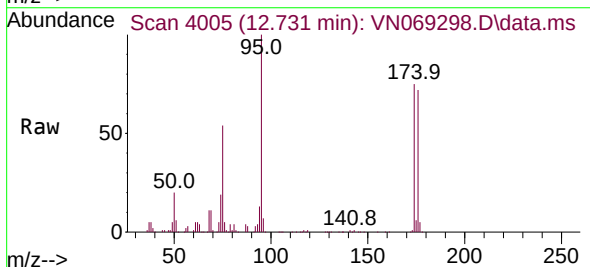


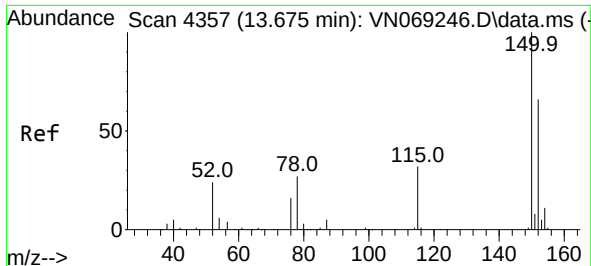
Tgt Ion:164 Resp: 3571
Ion Ratio Lower Upper
164 100
166 118.1 99.8 149.8
129 97.3 79.2 118.8
131 89.9 76.3 114.5



#71
Bromoform
Concen: 3.195 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Tgt Ion:173 Resp: 1126
Ion Ratio Lower Upper
173 100
175 1133.7 23.8 71.5#
254 0.0 0.0 0.0

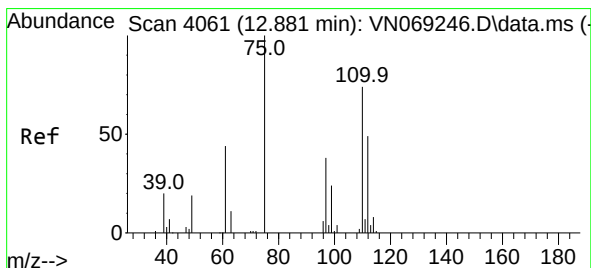
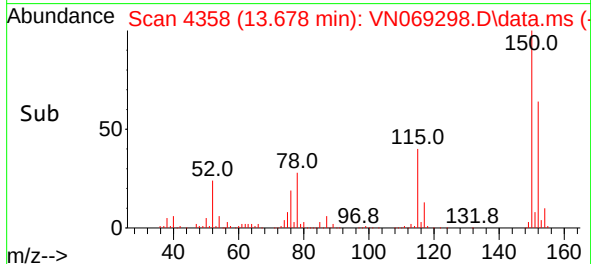
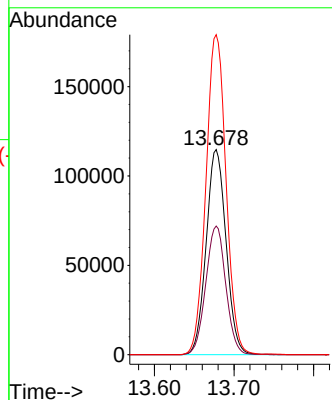
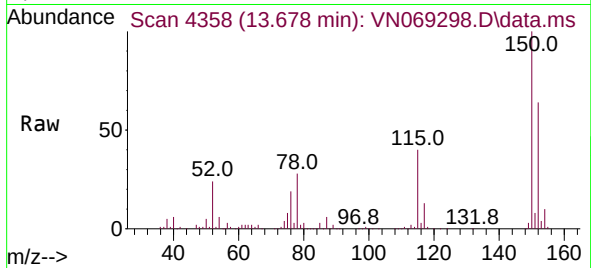




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069298.D
 Acq: 29 Oct 2021 13:55

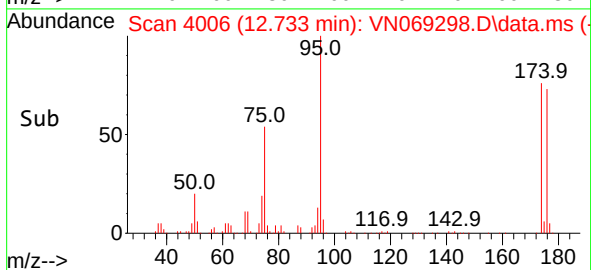
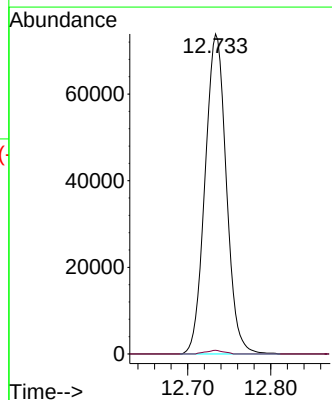
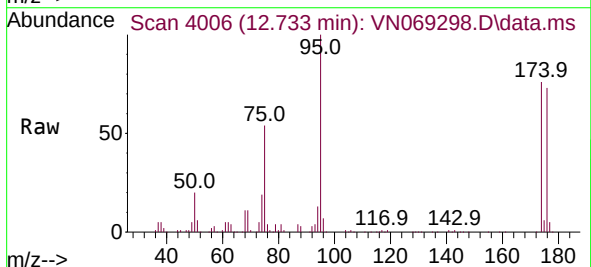
Instrument :
 MSVOA_N
 ClientSampleId :

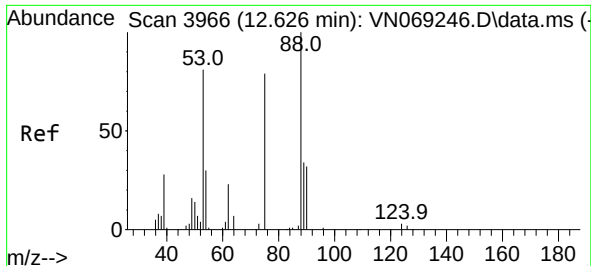
Tgt Ion:152 Resp: 199753
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.4 94.3
 150 157.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.969 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069298.D
 Acq: 29 Oct 2021 13:55

Tgt Ion: 75 Resp: 131178
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

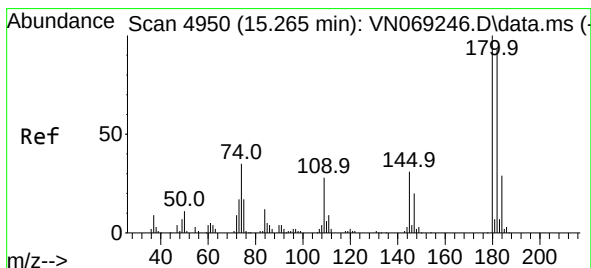
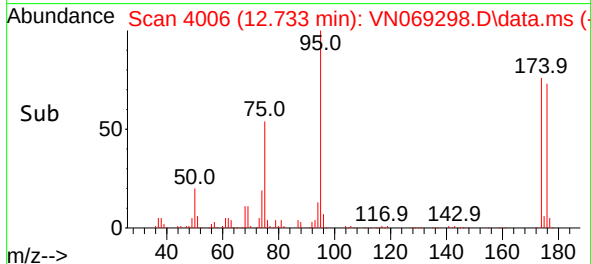
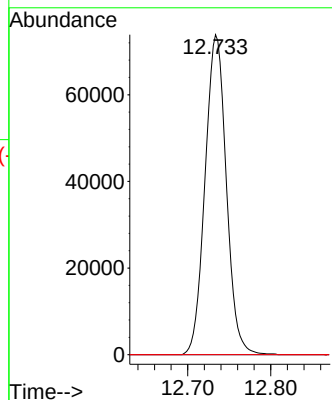
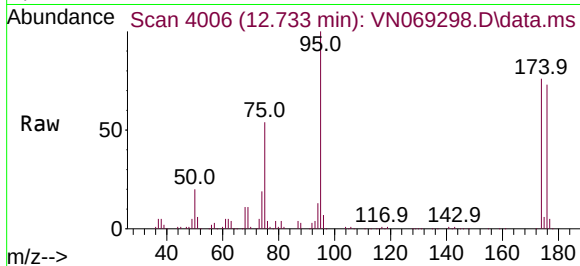




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.520 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069298.D
 Acq: 29 Oct 2021 13:55

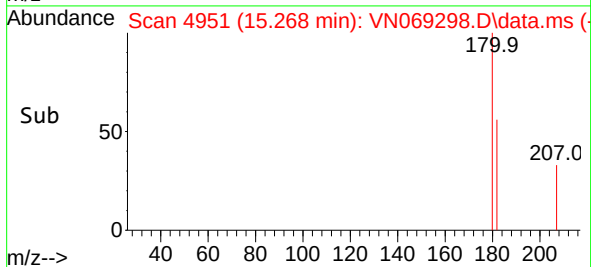
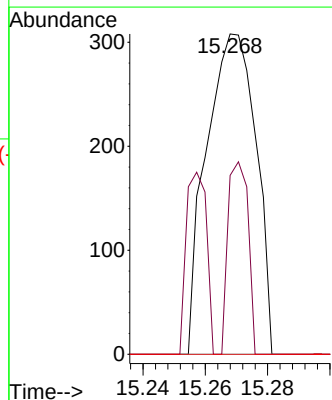
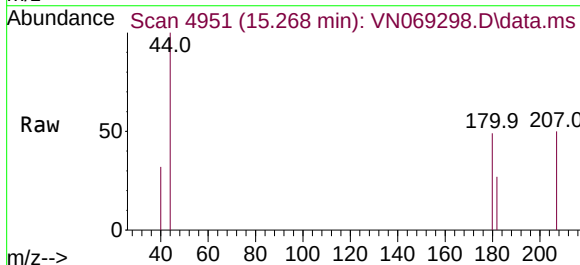
Instrument :
 MSVOA_N
 ClientSampleId :

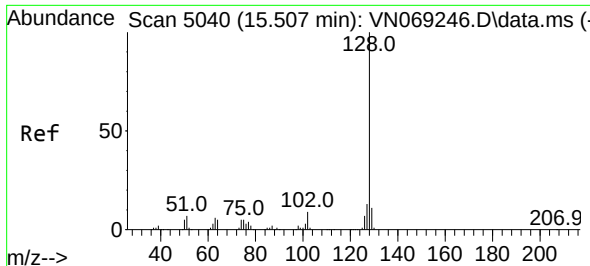
Tgt Ion: 75 Resp: 131178
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.0 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.587 ug/l
 RT: 15.268 min Scan# 4951
 Delta R.T. 0.003 min
 Lab File: VN069298.D
 Acq: 29 Oct 2021 13:55

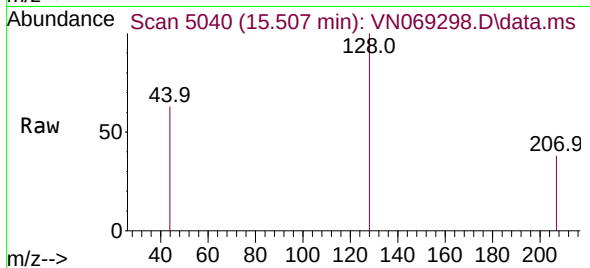
Tgt Ion:180 Resp: 339
 Ion Ratio Lower Upper
 180 100
 182 24.5 47.9 143.7#
 145 0.0 16.4 49.2#



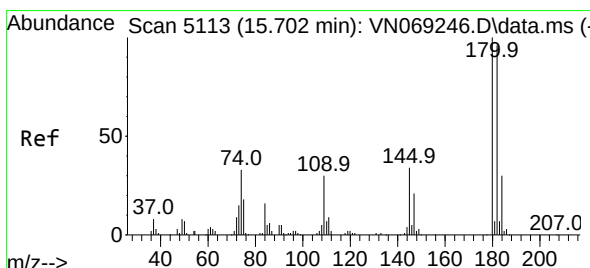
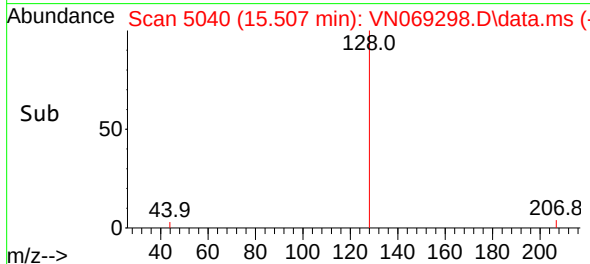
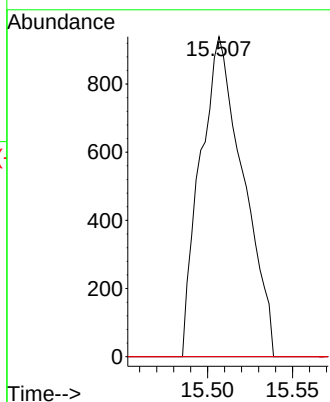


#95
Naphthalene
Concen: 3.462 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1647
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: 2.230 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069298.D
Acq: 29 Oct 2021 13:55

Tgt Ion:180 Resp: 77
Ion Ratio Lower Upper
180 100
182 150.6 48.1 144.3#
145 0.0 17.4 52.2#

