

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069270.D
 Acq On : 29 Oct 2021 00:53
 Operator : JC/MD
 Sample : M4338-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

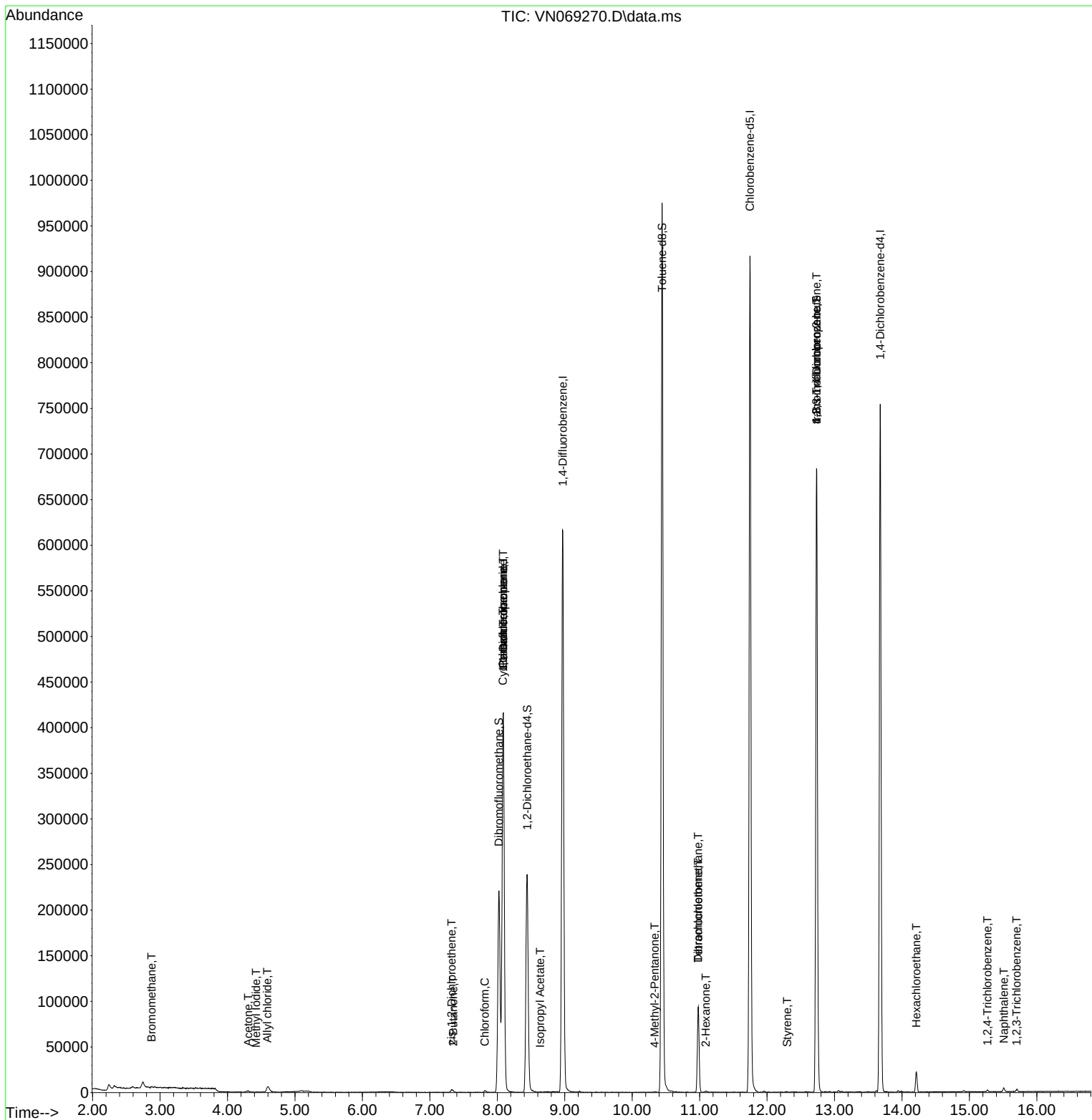
Quant Time: Oct 29 07:55:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

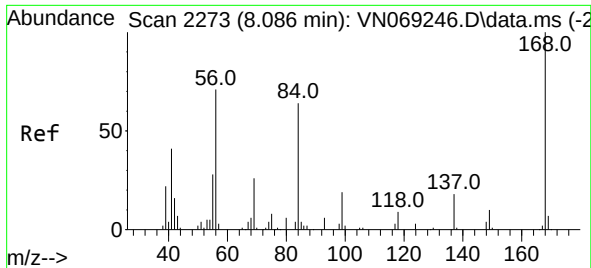
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	313693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	556141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	538225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	200580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	210541	46.495	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.980%
35) Dibromofluoromethane	8.024	113	158547	45.733	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.460%
50) Toluene-d8	10.443	98	689507	49.743	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.733	95	246074	47.045	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	622	Below Cal	#	42
5) Bromomethane	2.875	94	873	0.331	ug/l	90
10) Methyl Iodide	4.422	142	106	2.482	ug/l #	41
14) Allyl chloride	4.588	41	1054	0.211	ug/l #	58
16) Acetone	4.309	43	2393	1.240	ug/l	93
25) 2-Butanone	7.348	43	126	1.676	ug/l #	48
27) cis-1,2-Dichloroethene	7.321	96	952	0.253	ug/l	91
30) Chloroform	7.815	83	2029	0.313	ug/l	95
31) Cyclohexane	8.083	56	7399	1.221	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	25767	5.374	ug/l #	43
38) Carbon Tetrachloride	8.088	117	33119	6.960	ug/l #	16
43) Isopropyl Acetate	8.635	43	52	0.464	ug/l #	55
51) 4-Methyl-2-Pentanone	10.333	43	503	6.481	ug/l #	36
59) 2-Hexanone	11.092	43	1248	8.255	ug/l	97
60) Dibromochloromethane	10.979	129	20744	6.587	ug/l #	10
64) Tetrachloroethene	10.979	164	21349	6.210	ug/l	99
70) Styrene	12.299	104	366	1.483	ug/l #	30
76) 1,2,3-Trichloropropane	12.733	75	134165	25.432	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	134165	72.769	ug/l #	12
90) Hexachloroethane	14.211	117	3456	3.272	ug/l	90
93) 1,2,4-Trichlorobenzene	15.268	180	979	2.773	ug/l #	59
95) Naphthalene	15.509	128	5143	3.787	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.700	180	1259	2.585	ug/l	85

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

Quant Time: Oct 29 07:55:50 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

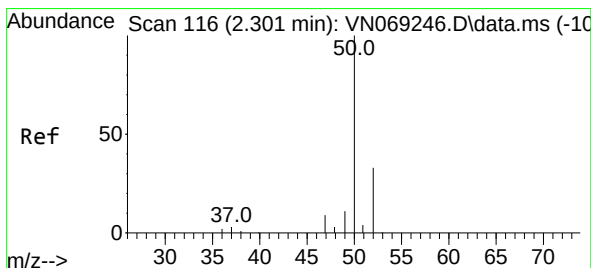
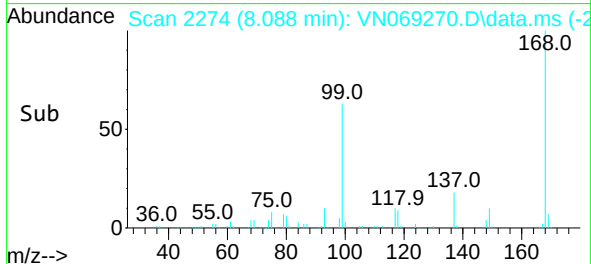
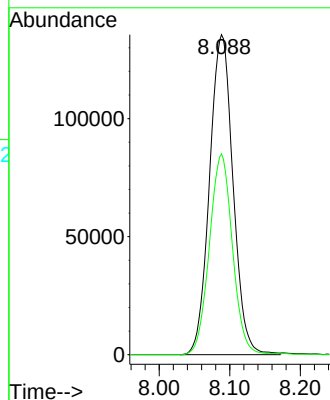
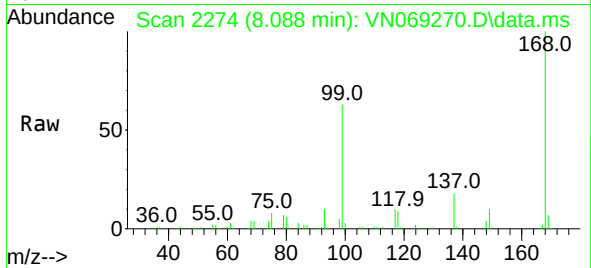




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

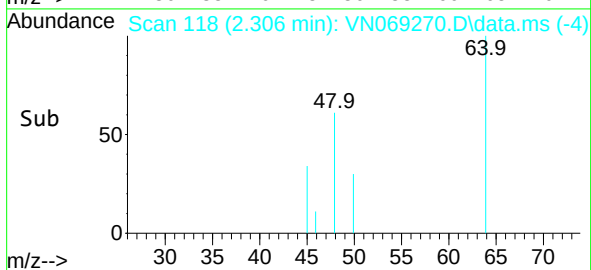
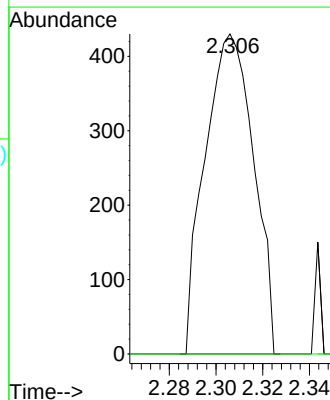
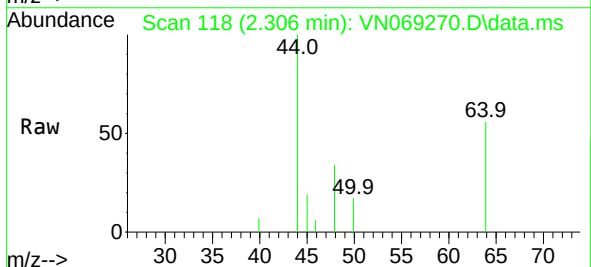
Instrument :
MSVOA_D
ClientSampleId :

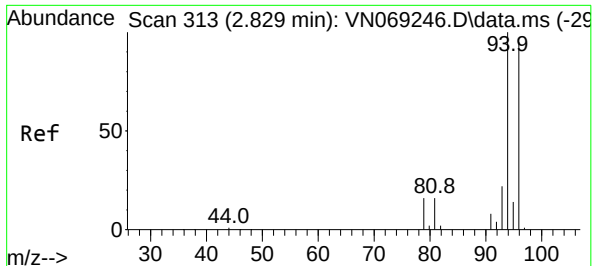
Tgt Ion:168 Resp: 313693
Ion Ratio Lower Upper
168 100
99 62.8 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

Tgt Ion: 50 Resp: 622
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#





#5

Bromomethane

Concen: 0.331 ug/l

RT: 2.875 min Scan# 330

Delta R.T. 0.046 min

Lab File: VN069270.D

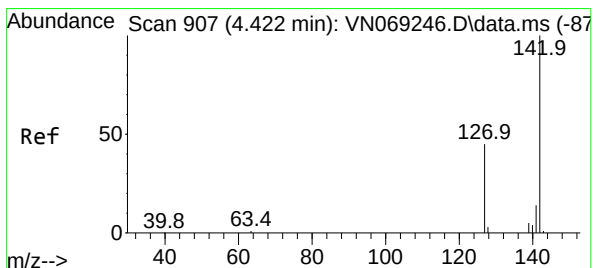
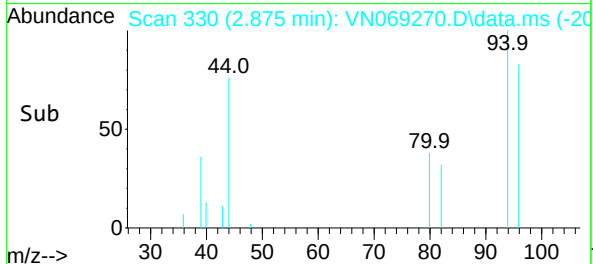
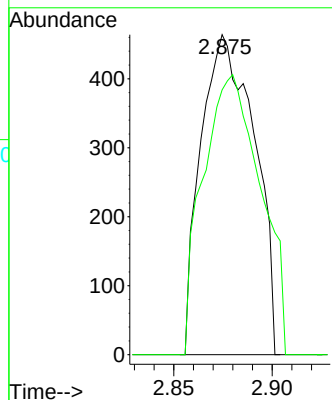
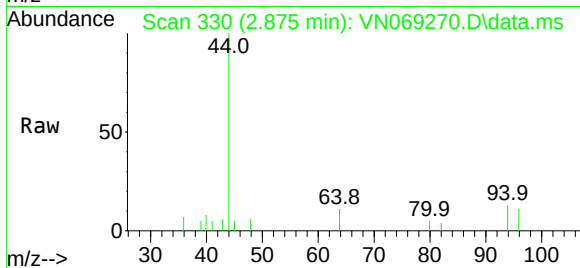
Acq: 29 Oct 2021 00:53

Tgt Ion: 94 Resp: 873

Ion Ratio Lower Upper

94 100

96 82.8 74.2 111.4



#10

Methyl Iodide

Concen: 2.482 ug/l

RT: 4.422 min Scan# 907

Delta R.T. 0.000 min

Lab File: VN069270.D

Acq: 29 Oct 2021 00:53

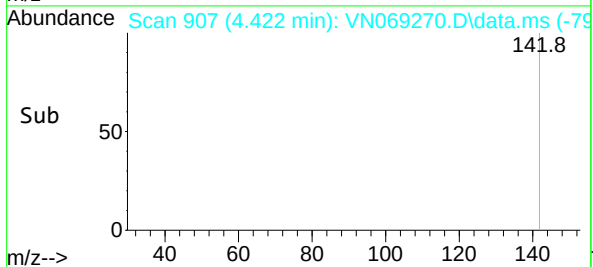
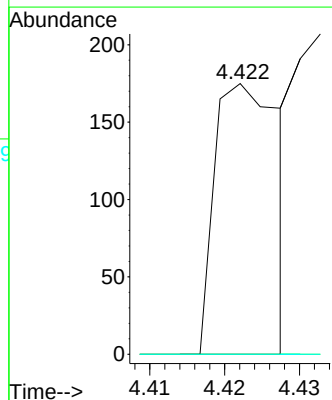
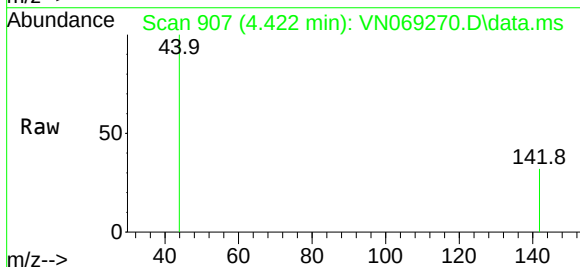
Tgt Ion: 142 Resp: 106

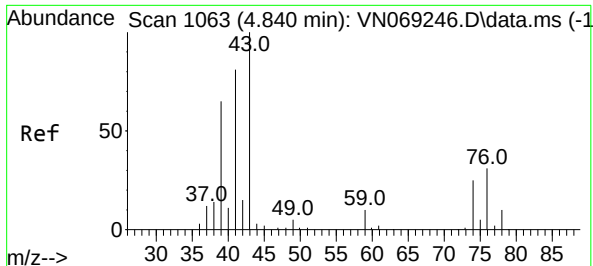
Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.3 16.9#





#14

Allyl chloride

Concen: 0.211 ug/l

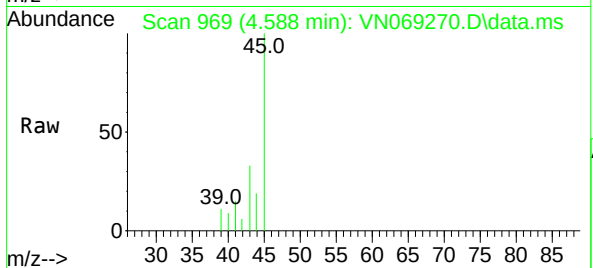
RT: 4.588 min Scan# 969

Delta R.T. -0.252 min

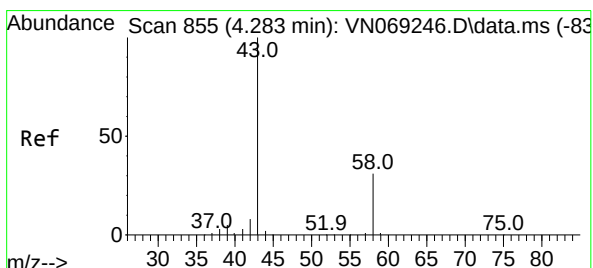
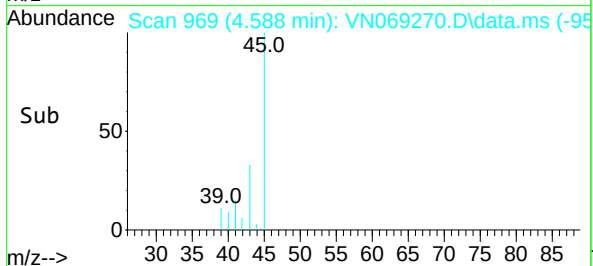
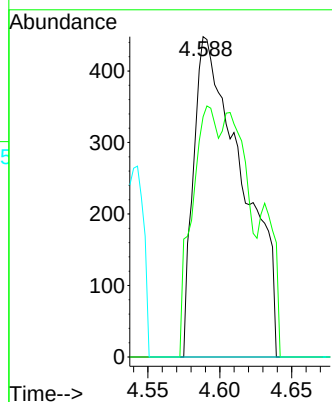
Lab File: VN069270.D

Acq: 29 Oct 2021 00:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	41	Resp:	1054
Ion	Ratio	Lower	Upper
41	100		
39	41.9	55.6	83.4#
76	0.0	26.4	39.6#



#16

Acetone

Concen: 1.240 ug/l

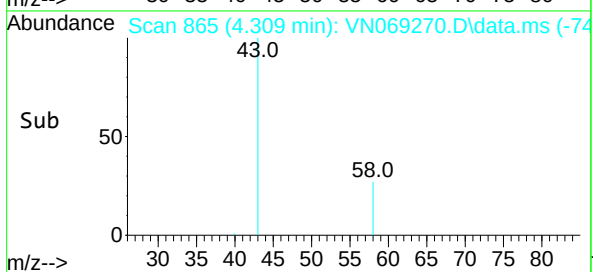
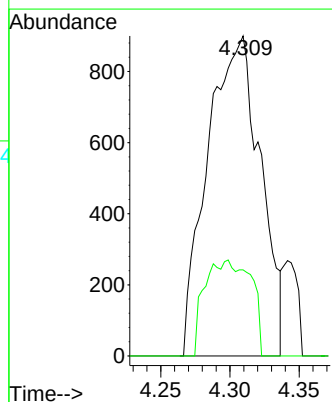
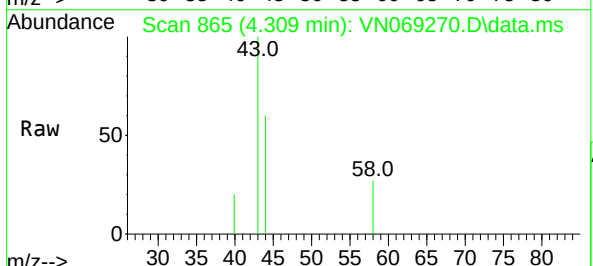
RT: 4.309 min Scan# 865

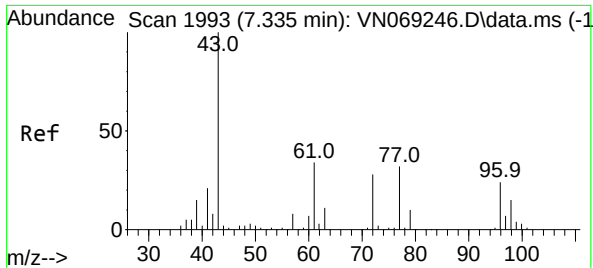
Delta R.T. 0.026 min

Lab File: VN069270.D

Acq: 29 Oct 2021 00:53

Tgt Ion:	43	Resp:	2393
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.5	36.7

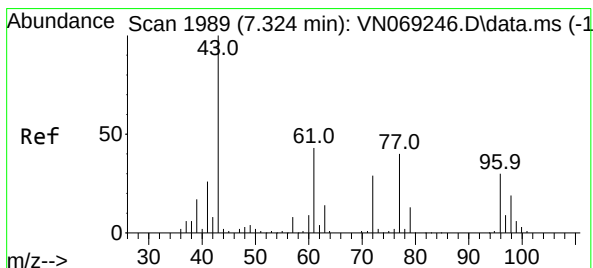
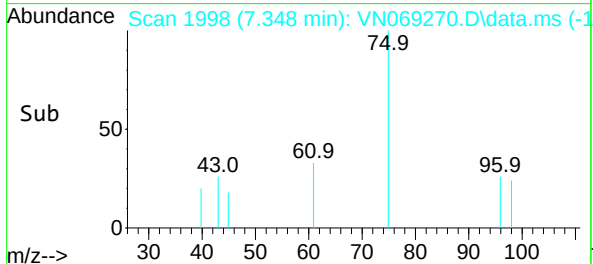
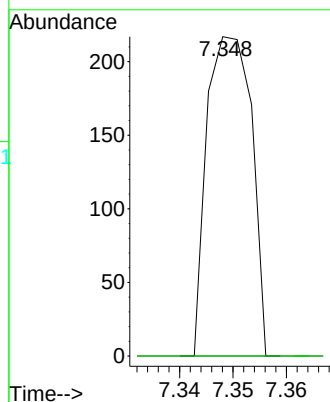
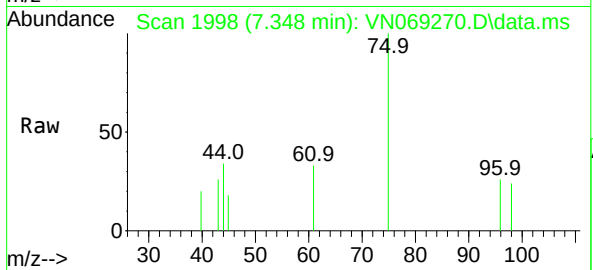




#25
2-Butanone
Concen: 1.676 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

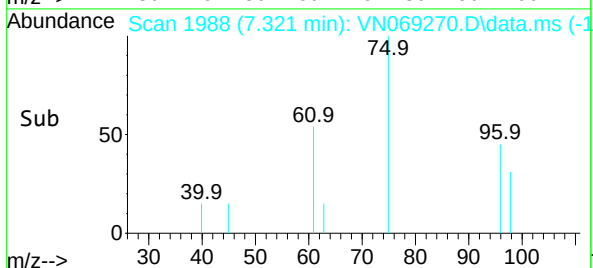
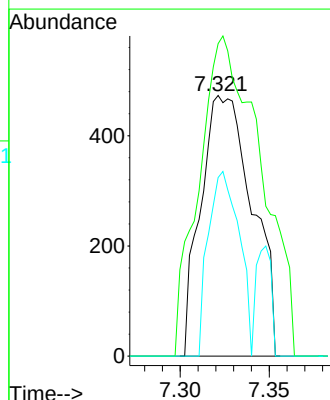
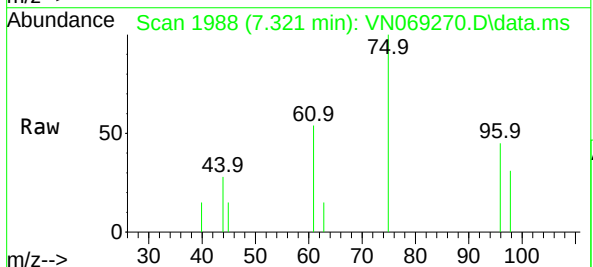
Instrument :
MSVOA_D
ClientSampled :

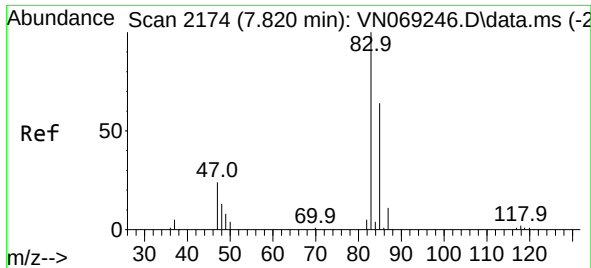
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#27
cis-1,2-Dichloroethene
Concen: 0.253 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.003 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

Tgt Ion: 96 Resp: 952
Ion Ratio Lower Upper
96 100
61 147.4 0.0 290.6
98 42.4 0.0 127.2





#30

Chloroform

Concen: 0.313 ug/l

RT: 7.815 min Scan# 2172

Delta R.T. -0.005 min

Lab File: VN069270.D

Acq: 29 Oct 2021 00:53

Tgt Ion: 83 Resp: 2029

Ion Ratio Lower Upper

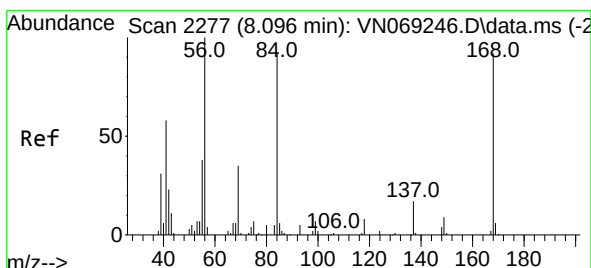
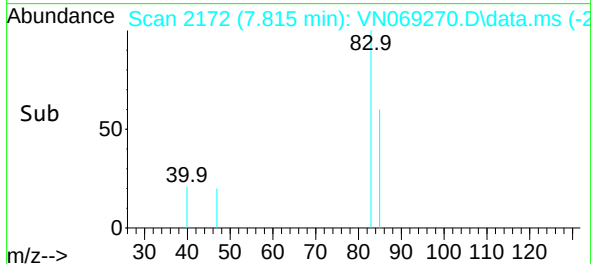
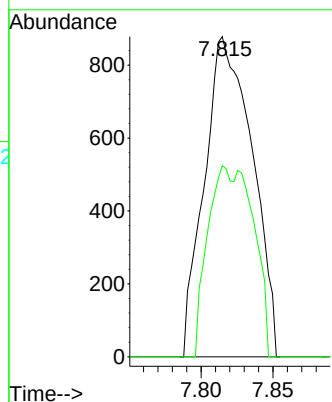
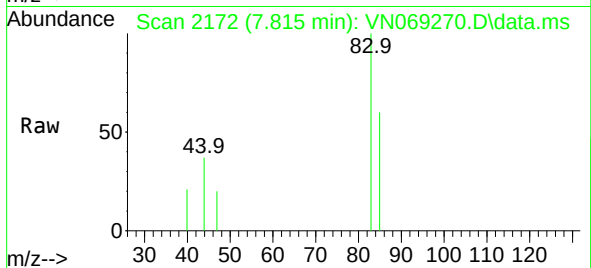
83 100

85 59.7 51.1 76.7

Instrument :

MSVOA_D

ClientSampled :



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.013 min

Lab File: VN069270.D

Acq: 29 Oct 2021 00:53

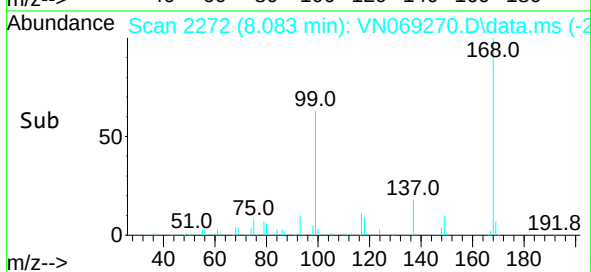
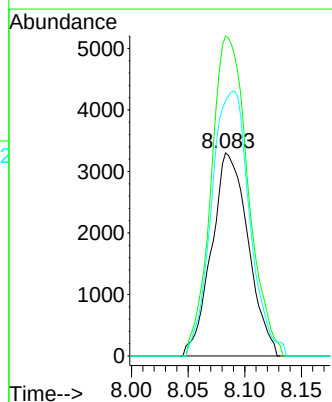
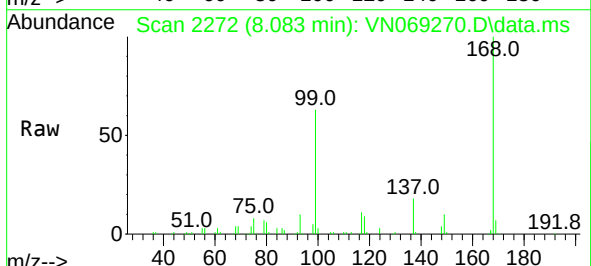
Tgt Ion: 56 Resp: 7399

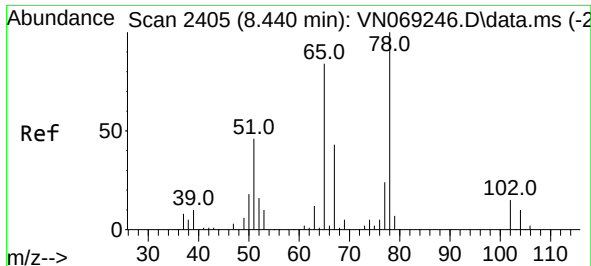
Ion Ratio Lower Upper

56 100

69 157.6 26.9 40.3#

84 125.4 67.6 101.4#

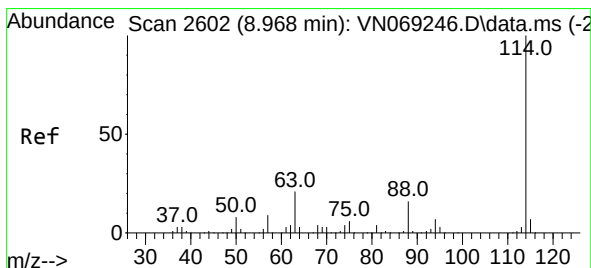
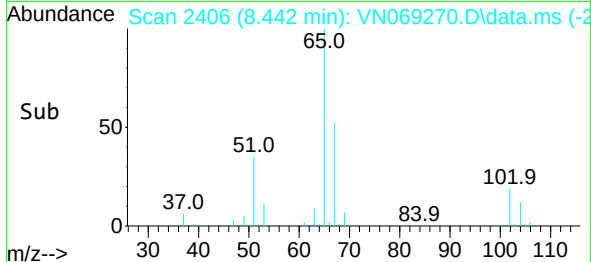
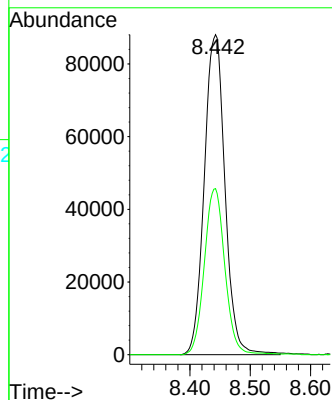
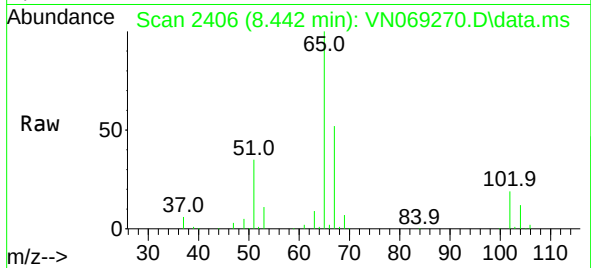




#33
 1,2-Dichloroethane-d4
 Concen: 46.495 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN069270.D
 Acq: 29 Oct 2021 00:53

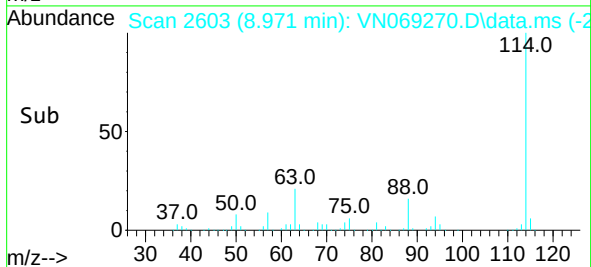
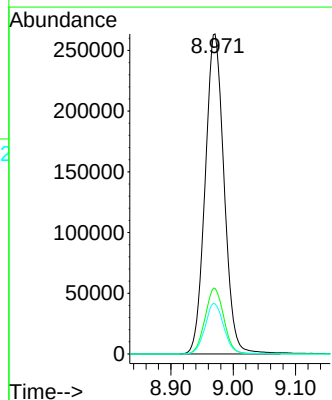
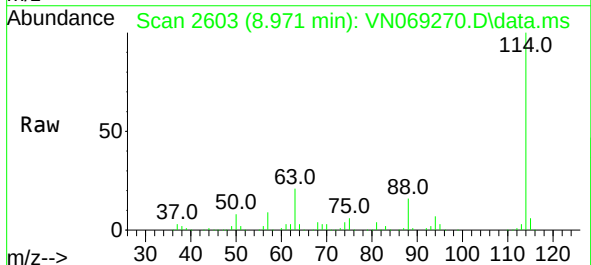
Instrument :
 MSVOA_D
 ClientSampleId :

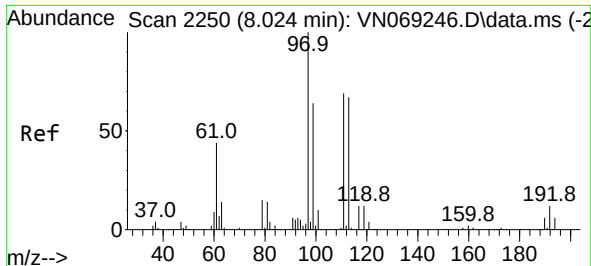
Tgt Ion: 65 Resp: 210541
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069270.D
 Acq: 29 Oct 2021 00:53

Tgt Ion: 114 Resp: 556141
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 15.7 0.0 32.0

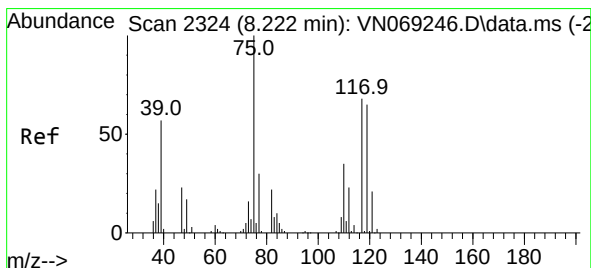
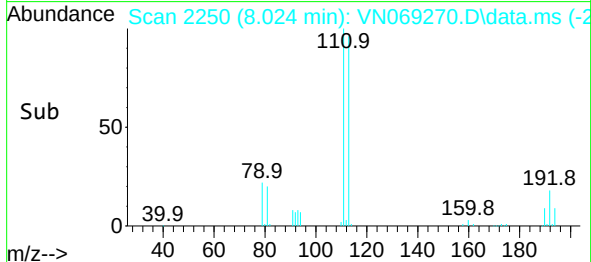
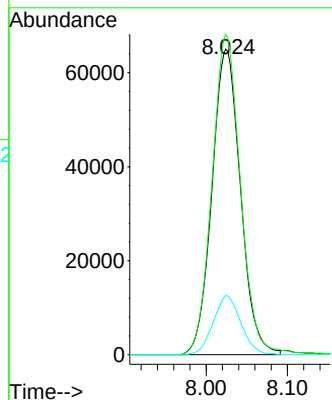
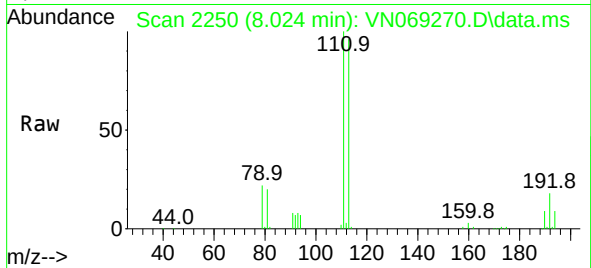




#35
Dibromofluoromethane
Concen: 45.733 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

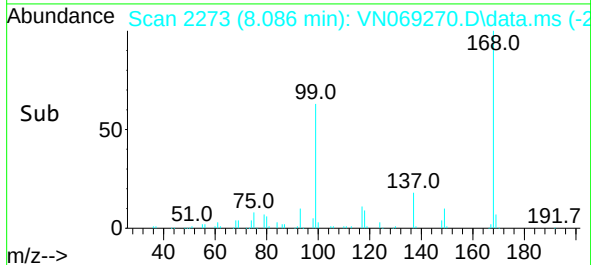
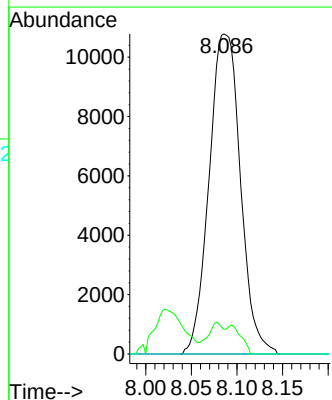
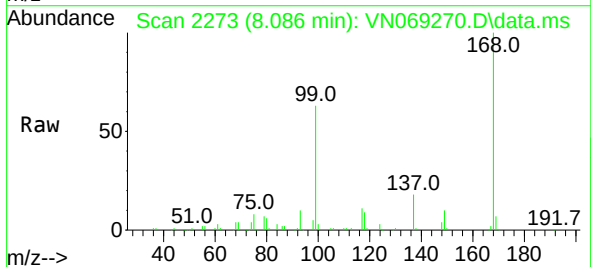
Instrument :
MSVOA_D
ClientSampleId :

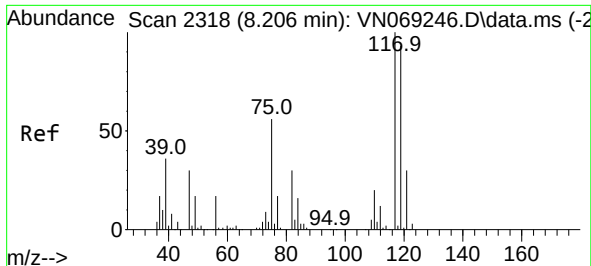
Tgt Ion:113 Resp: 158547
Ion Ratio Lower Upper
113 100
111 104.4 83.2 124.8
192 18.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.374 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

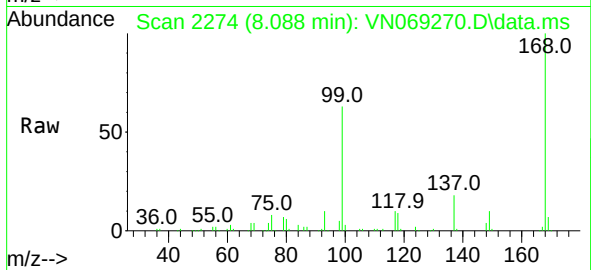
Tgt Ion: 75 Resp: 25767
Ion Ratio Lower Upper
75 100
110 2.5 17.9 53.8#
77 0.0 24.7 37.1#



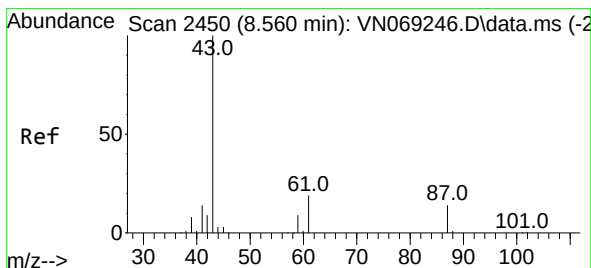
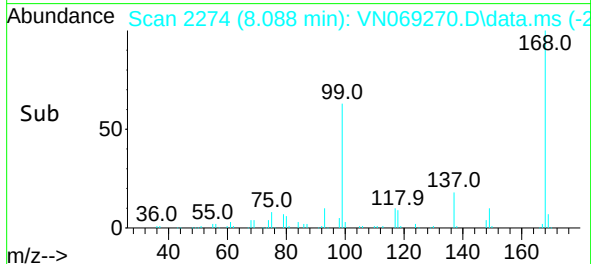
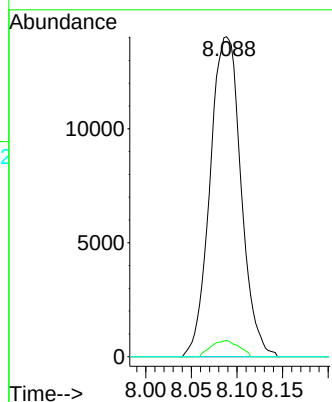


#38
Carbon Tetrachloride
Concen: 6.960 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

Instrument :
MSVOA_D
ClientSampled :

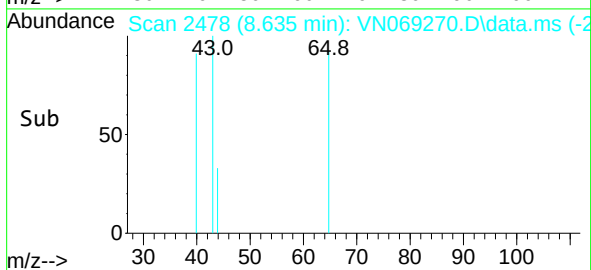
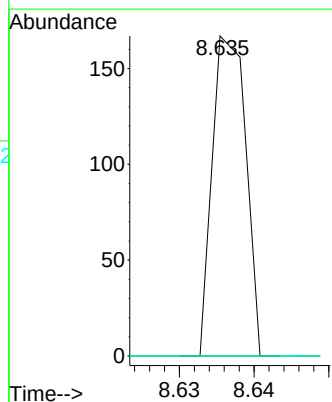
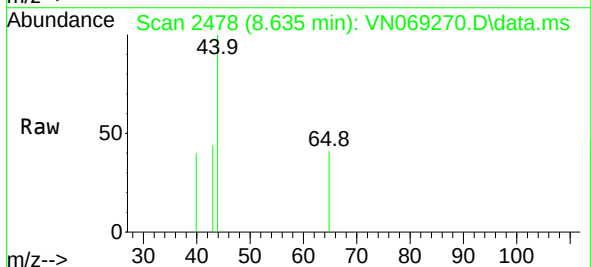


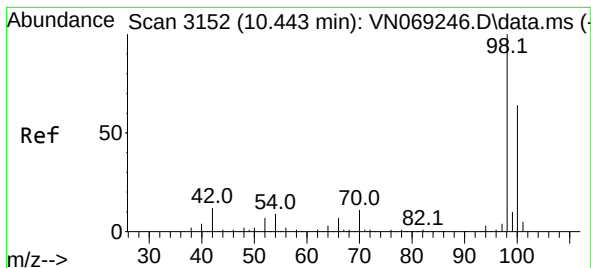
Tgt Ion:117 Resp: 33119
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.464 ug/l
RT: 8.635 min Scan# 2478
Delta R.T. 0.075 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

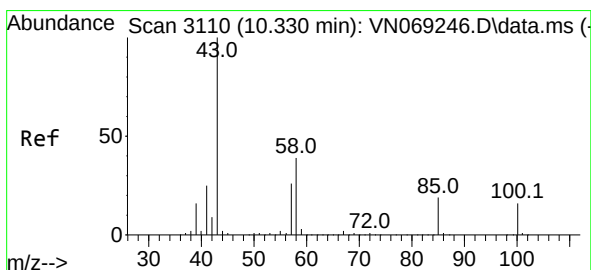
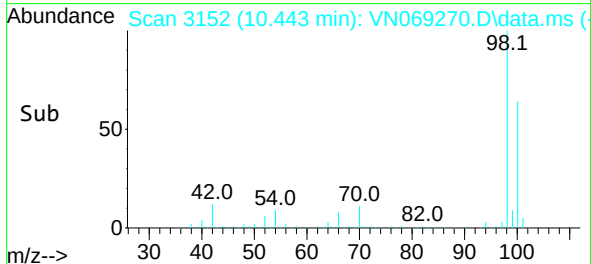
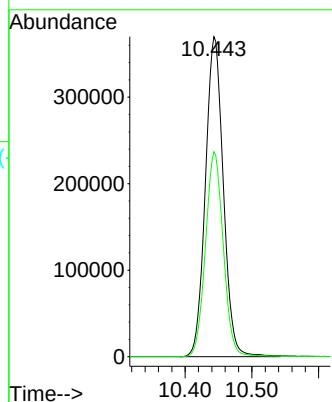
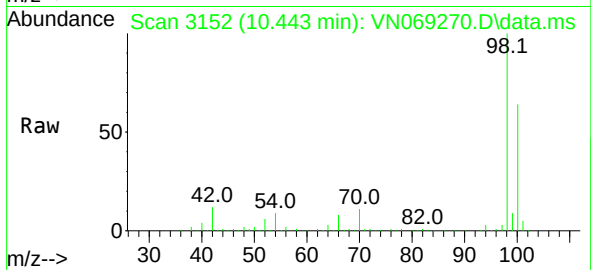




#50
Toluene-d8
Concen: 49.743 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

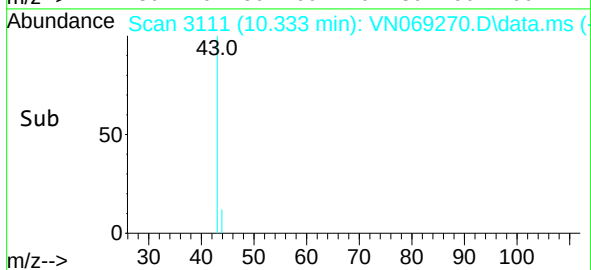
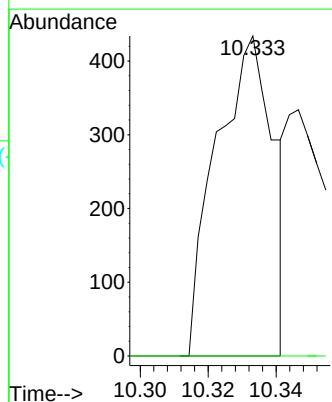
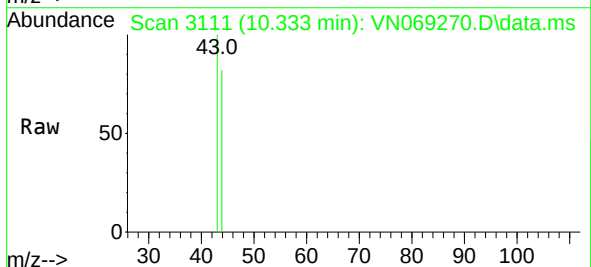
Instrument :
MSVOA_D
ClientSampleId :

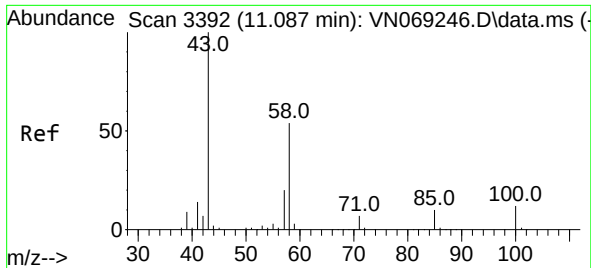
Tgt Ion: 98 Resp: 689507
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.481 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

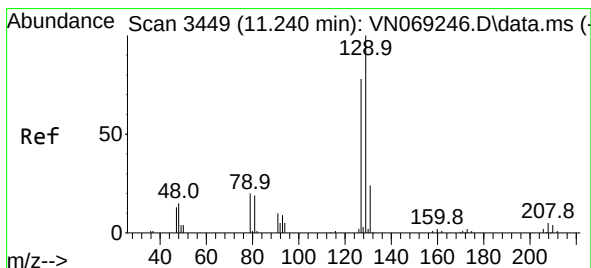
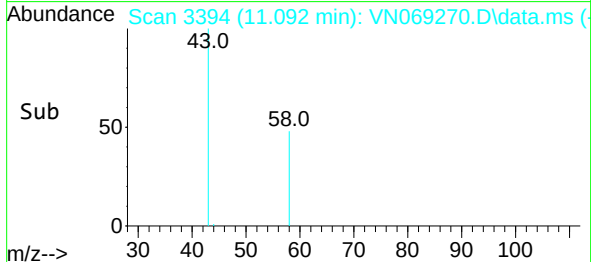
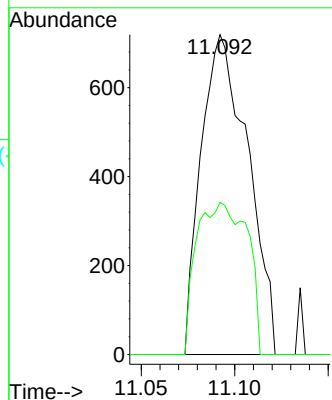
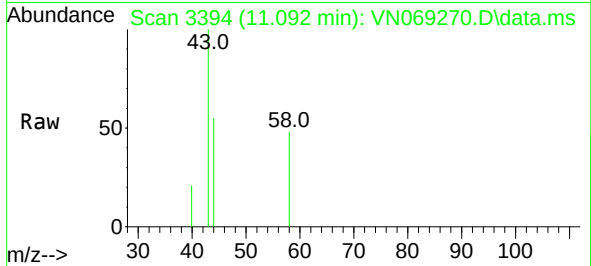




#59
2-Hexanone
Concen: 8.255 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

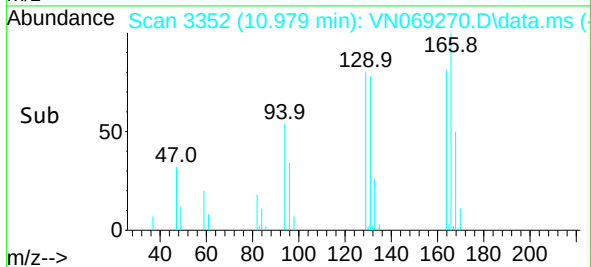
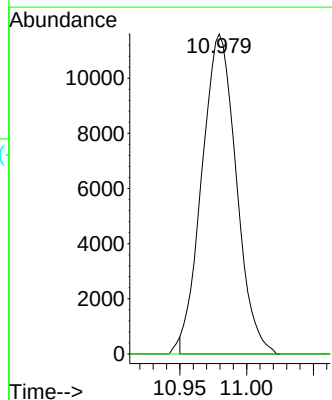
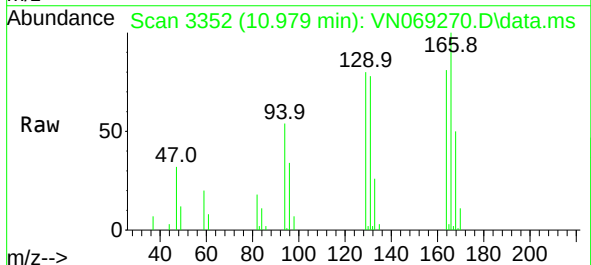
Instrument :
MSVOA_D
ClientSampled :

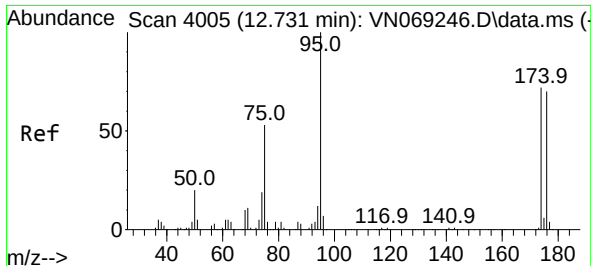
Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 51.6 26.9 80.7



#60
Dibromochloromethane
Concen: 6.587 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

Tgt Ion: 129 Resp: 20744
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

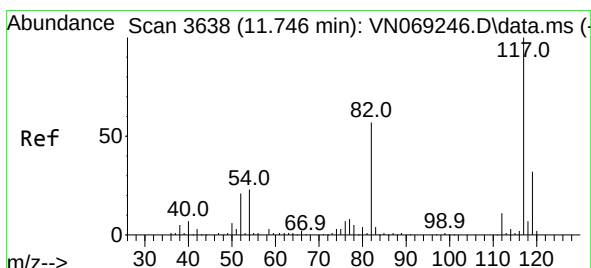
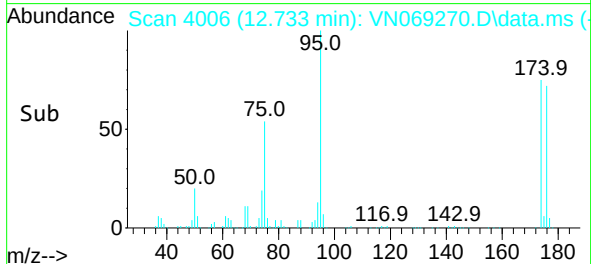
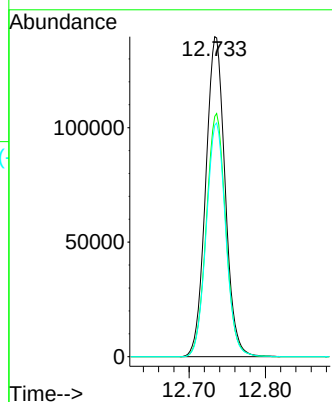
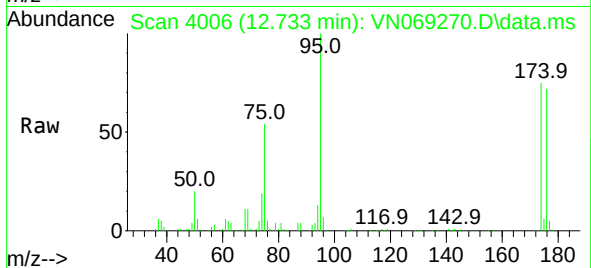




#62
4-Bromofluorobenzene
Concen: 47.045 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

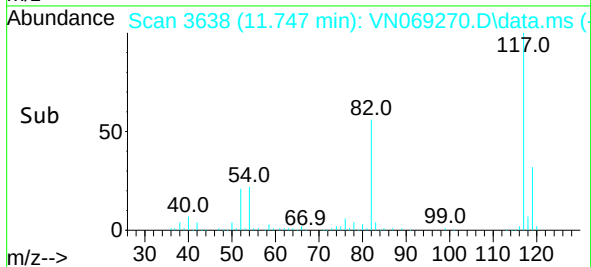
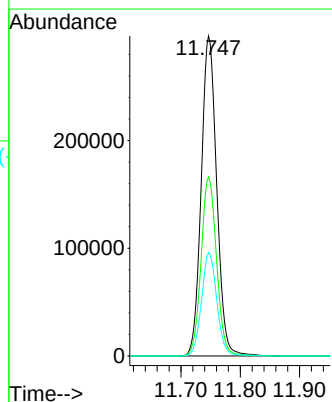
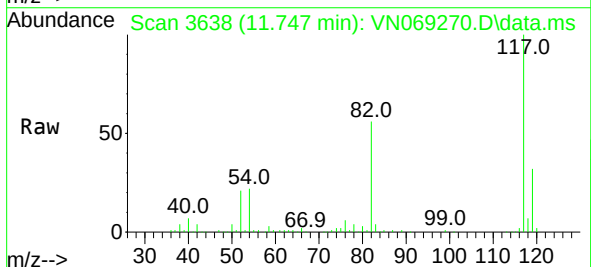
Instrument :
MSVOA_D
ClientSampleId :

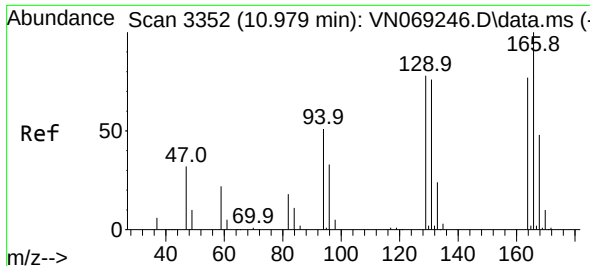
Tgt Ion: 95 Resp: 246074
Ion Ratio Lower Upper
95 100
174 76.1 0.0 144.8
176 73.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

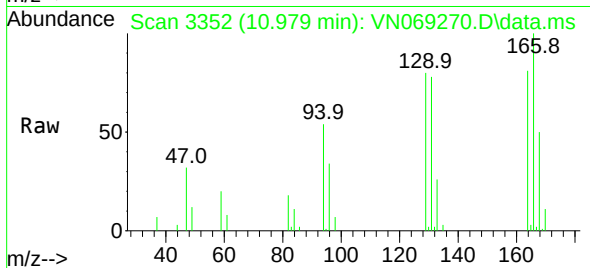
Tgt Ion: 117 Resp: 538225
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.3 26.0 39.0



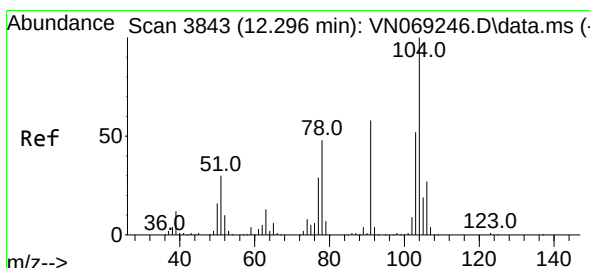
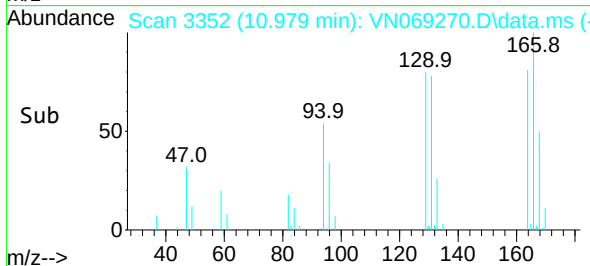
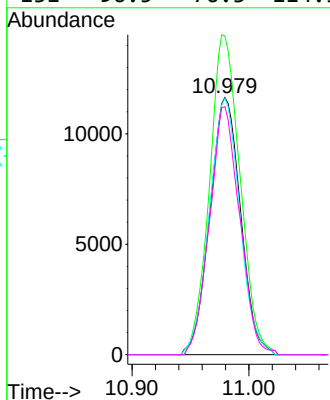


#64
Tetrachloroethene
Concen: 6.210 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

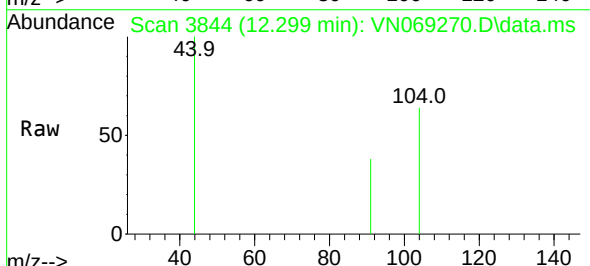
Instrument :
MSVOA_D
ClientSampled :



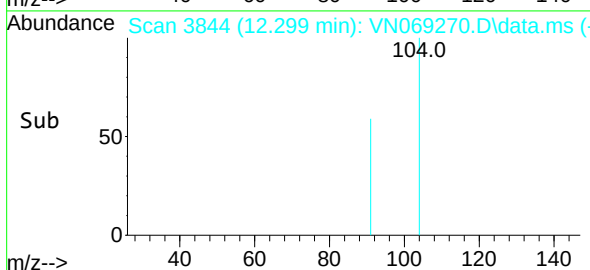
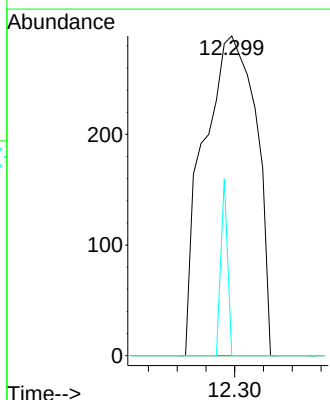
Tgt Ion:164	Resp:	21349
Ion	Ratio	Lower Upper
164	100	
166	124.0	99.8 149.8
129	99.6	79.2 118.8
131	96.5	76.3 114.5

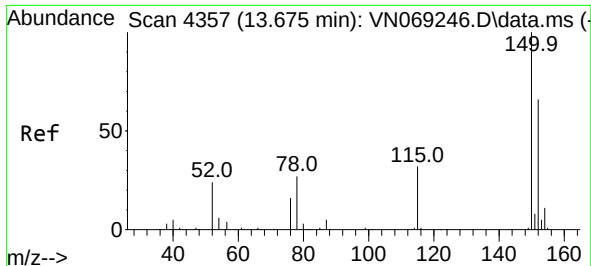


#70
Styrene
Concen: 1.483 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53



Tgt Ion:104	Resp:	366
Ion	Ratio	Lower Upper
104	100	
78	0.0	42.2 63.4#
103	7.1	44.4 66.6#

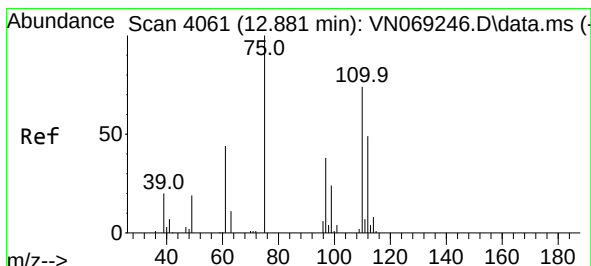
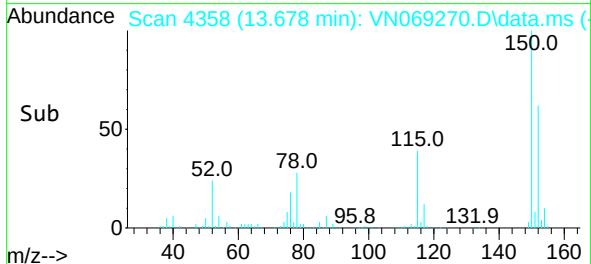
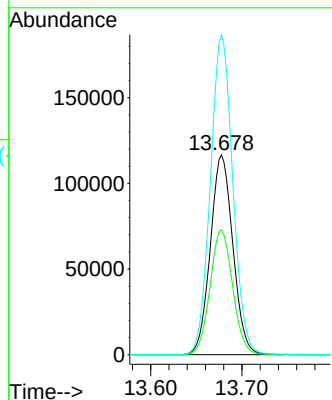
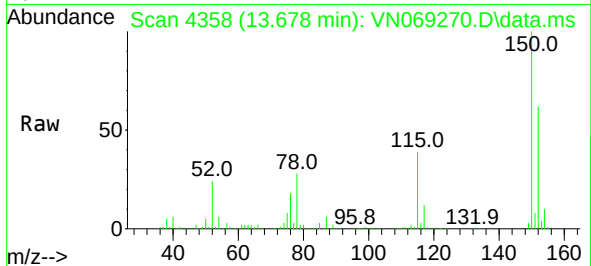




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069270.D
 Acq: 29 Oct 2021 00:53

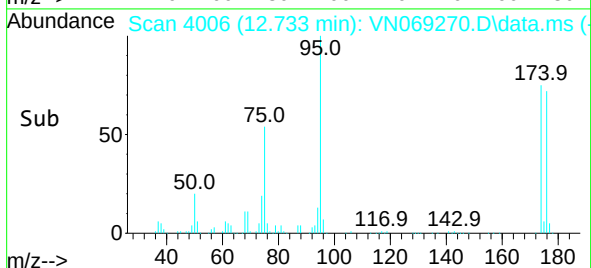
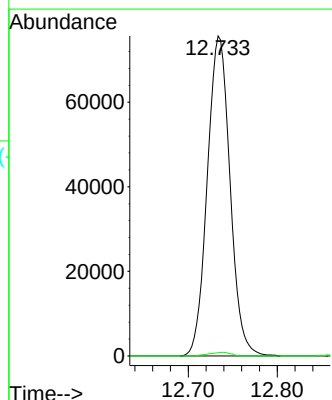
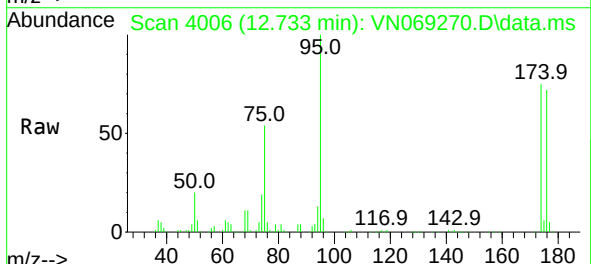
Instrument :
 MSVOA_D
 ClientSampled :

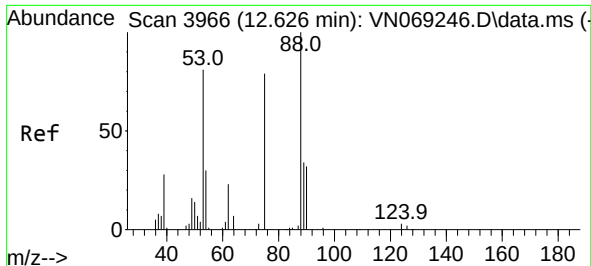
Tgt Ion:152 Resp: 200580
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.4 94.3
 150 159.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.432 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069270.D
 Acq: 29 Oct 2021 00:53

Tgt Ion: 75 Resp: 134165
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.2 288.4#

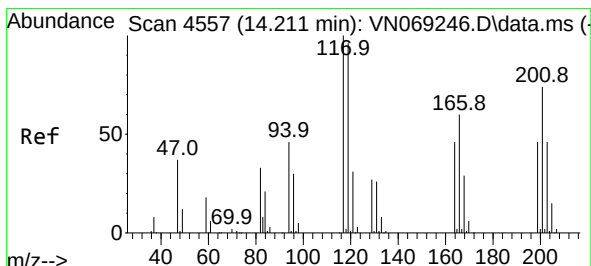
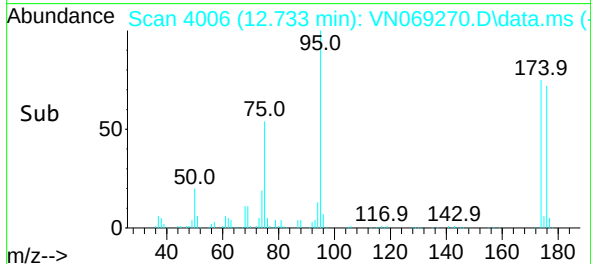
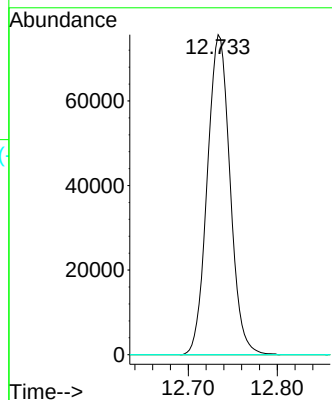
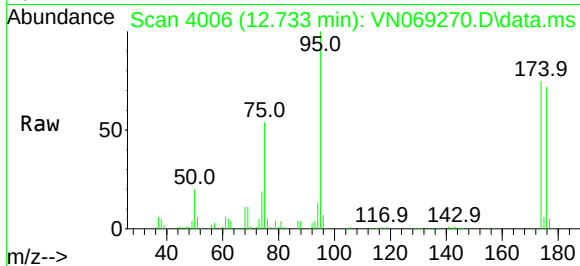




#81
trans-1,4-Dichloro-2-butene
Concen: 72.769 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

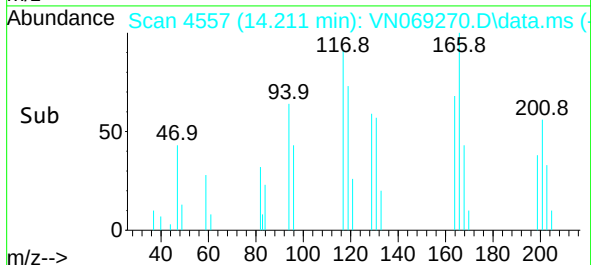
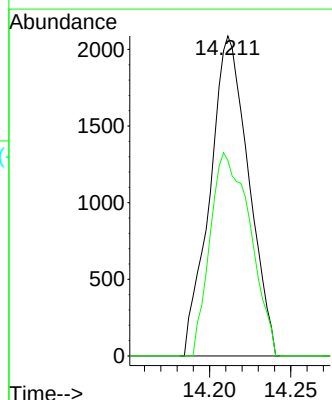
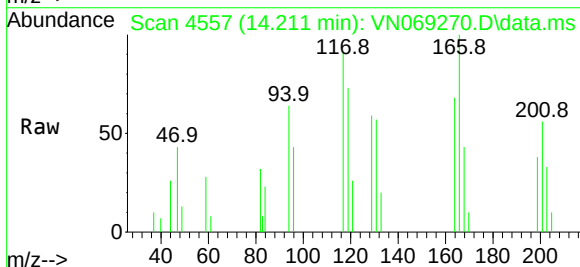
Instrument :
MSVOA_D
ClientSampled :

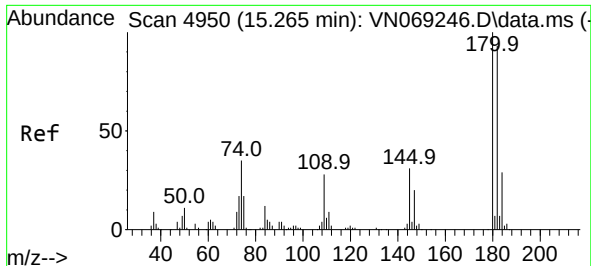
Tgt Ion: 75 Resp: 134165
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 3.272 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.000 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

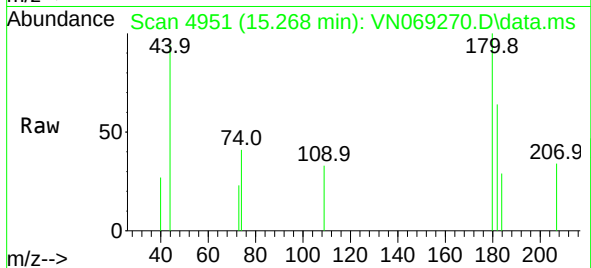
Tgt Ion: 117 Resp: 3456
Ion Ratio Lower Upper
117 100
201 65.9 37.1 111.5



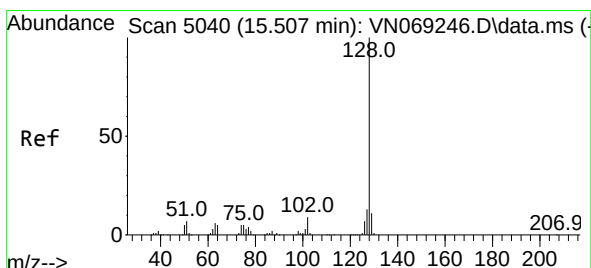
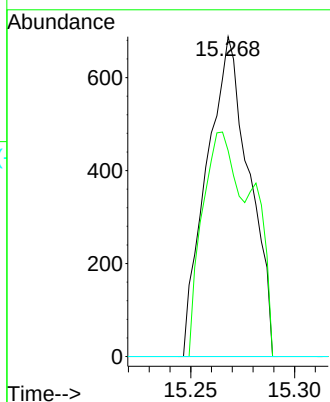
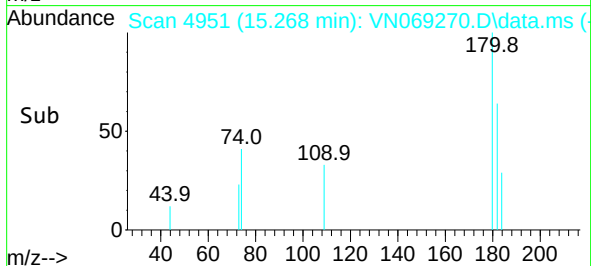


#93
1,2,4-Trichlorobenzene
Concen: 2.773 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53

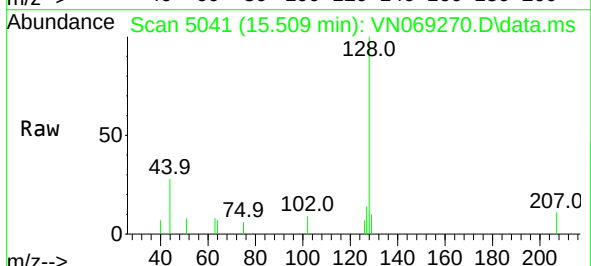
Instrument :
MSVOA_D
ClientSampled :



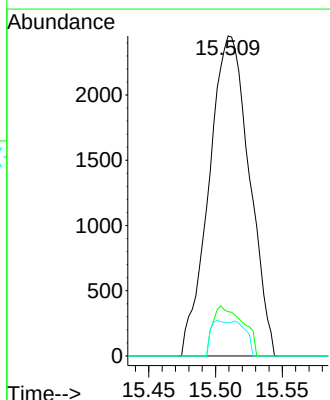
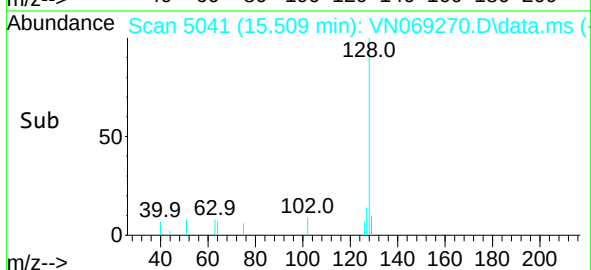
Tgt Ion:180 Resp: 979
Ion Ratio Lower Upper
180 100
182 61.3 47.9 143.7
145 0.0 16.4 49.2#

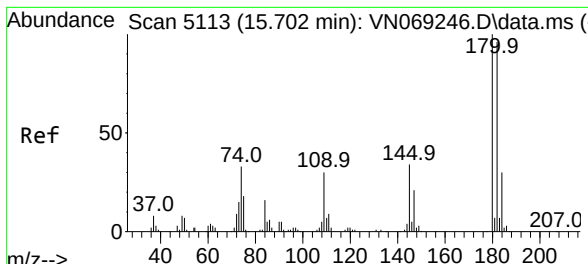


#95
Naphthalene
Concen: 3.787 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069270.D
Acq: 29 Oct 2021 00:53



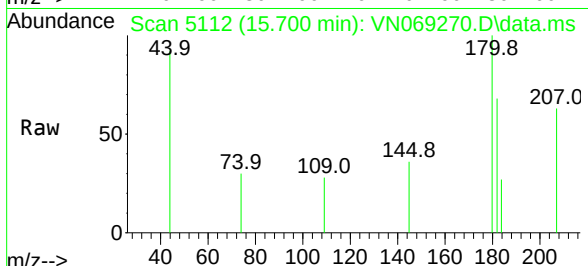
Tgt Ion:128 Resp: 5143
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 4.7 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.585 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN069270.D
 Acq: 29 Oct 2021 00:53

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	1259
Ion	Ratio	Lower	Upper
180	100		
182	82.8	48.1	144.3
145	24.6	17.4	52.2

