

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069716.D
 Acq On : 3 Dec 2021 14:21
 Operator : JC/MD
 Sample : M4931-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 05:32:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

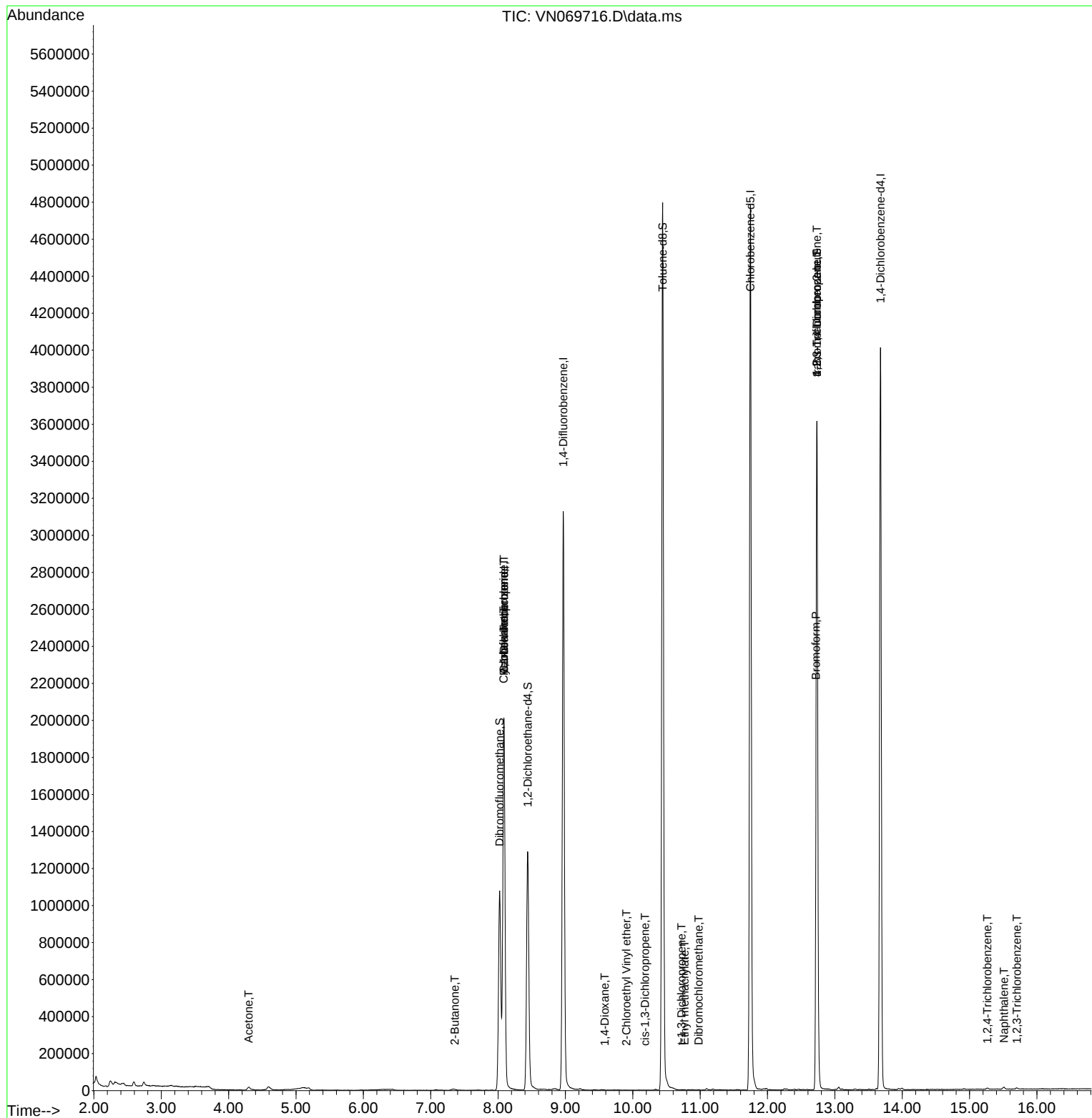
Internal Standards						
1) Pentafluorobenzene	8.088	168	1487874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2613193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2688851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1071280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1136020	49.451	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.900%
35) Dibromofluoromethane	8.024	113	783673	47.877	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.760%
50) Toluene-d8	10.443	98	3304961	50.285	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.560%
62) 4-Bromofluorobenzene	12.733	95	1272510	53.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.880%
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	31340	2.268	ug/l	90
25) 2-Butanone	7.356	43	7483	0.399	ug/l	91
31) Cyclohexane	8.083	56	39047	1.221	ug/l #	34
36) 1,1-Dichloropropene	8.085	75	125678	5.052	ug/l #	49
38) Carbon Tetrachloride	8.085	117	157956	6.475	ug/l #	16
49) 1,4-Dioxane	9.582	88	250	0.545	ug/l #	82
53) t-1,3-Dichloropropene	10.725	75	368	2.806	ug/l #	43
54) cis-1,3-Dichloropropene	10.183	75	107	2.002	ug/l #	36
56) Ethyl methacrylate	10.770	69	428	2.291	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.907	63	55	18.394	ug/l #	45
60) Dibromochloromethane	10.977	129	175	2.385	ug/l #	11
71) Bromoform	12.720	173	1302	2.806	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	715955	23.304	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	715955	74.139	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	2387	3.006	ug/l	89
95) Naphthalene	15.512	128	9561	4.153	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.702	180	2510	2.575	ug/l	89

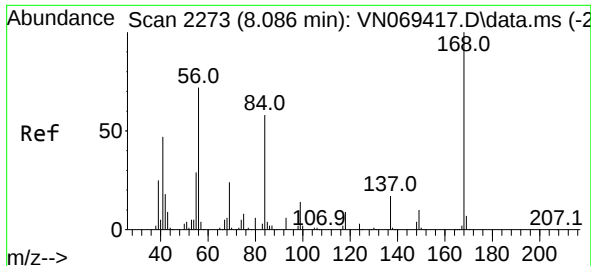
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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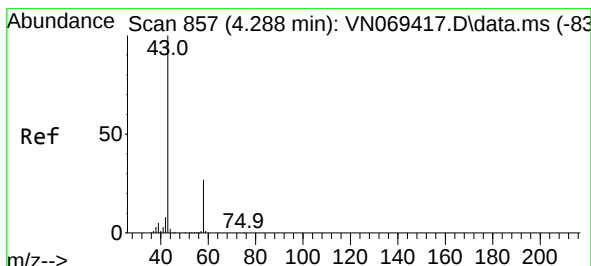
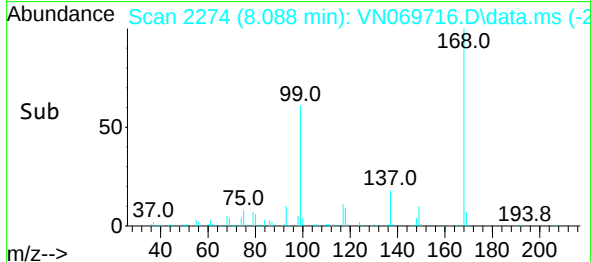
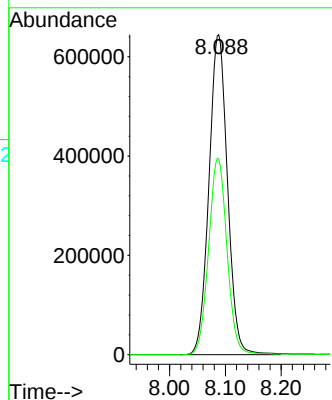
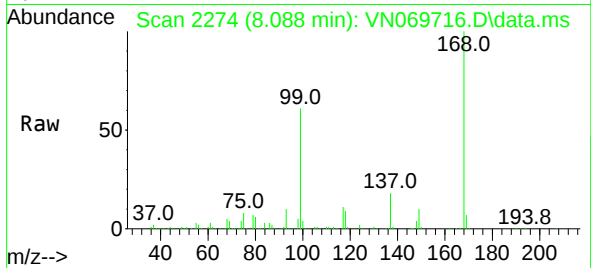




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

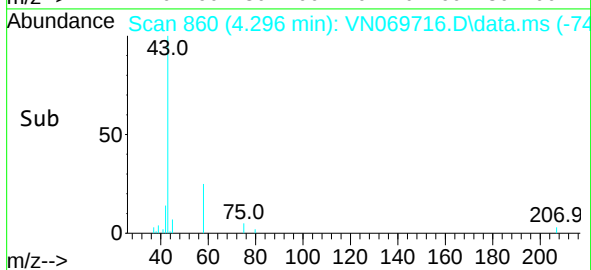
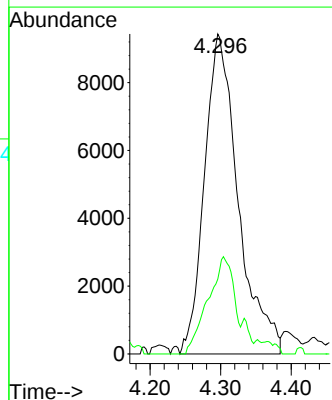
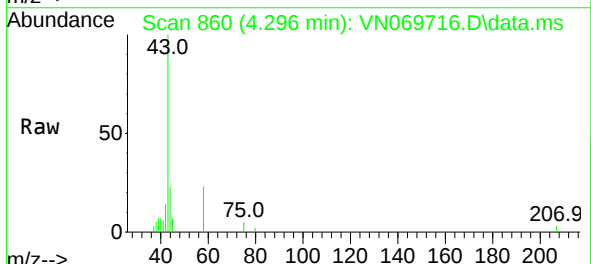
Instrument :
MSVOA_N
ClientSampleId :

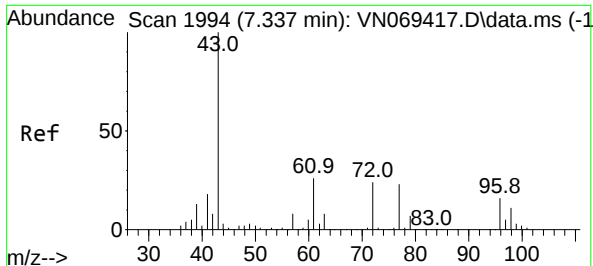
Tgt Ion:168 Resp: 1487874
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#16
Acetone
Concen: 2.268 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Tgt Ion: 43 Resp: 31340
Ion Ratio Lower Upper
43 100
58 23.4 23.1 34.7





#25

2-Butanone

Concen: 0.399 ug/l

RT: 7.356 min Scan# 2001

Delta R.T. 0.019 min

Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

Instrument :

MSVOA_N

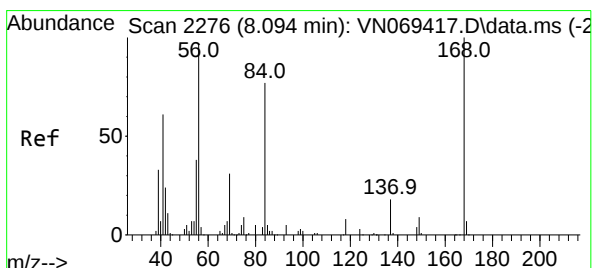
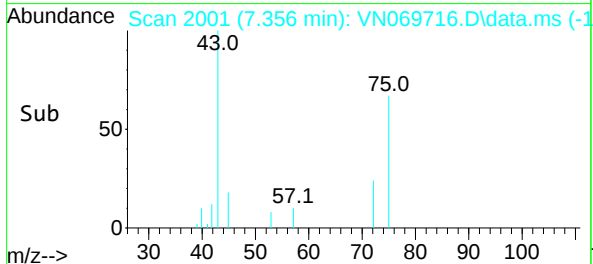
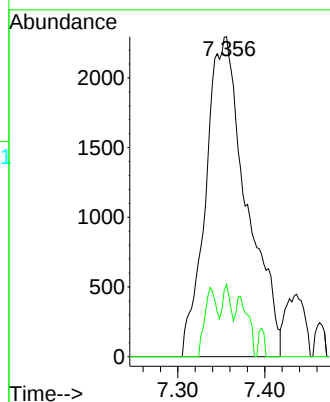
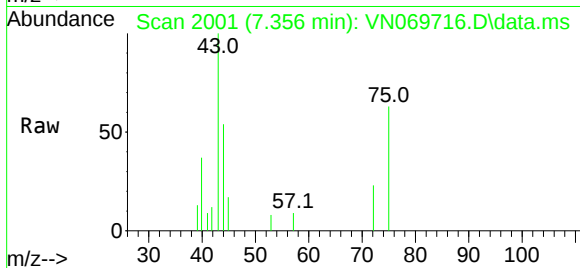
ClientSampleId :

Tgt Ion: 43 Resp: 7483

Ion Ratio Lower Upper

43 100

72 22.6 21.7 32.5



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

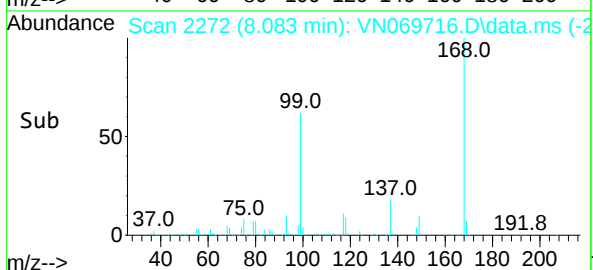
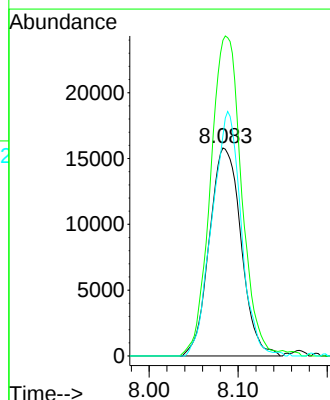
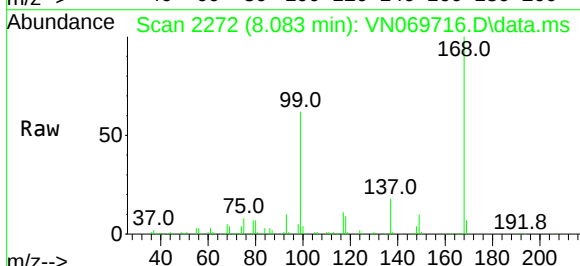
Tgt Ion: 56 Resp: 39047

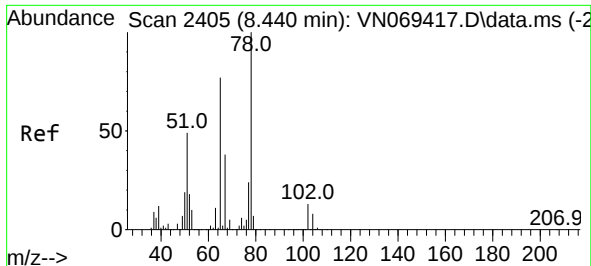
Ion Ratio Lower Upper

56 100

69 151.7 27.1 40.7#

84 105.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 49.451 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

Instrument :

MSVOA_N

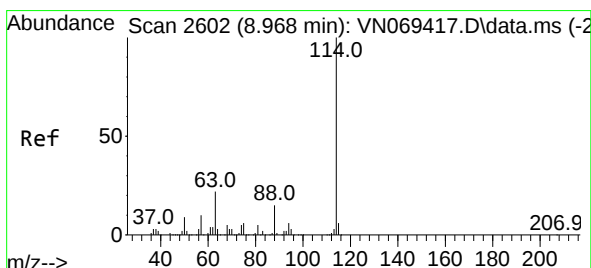
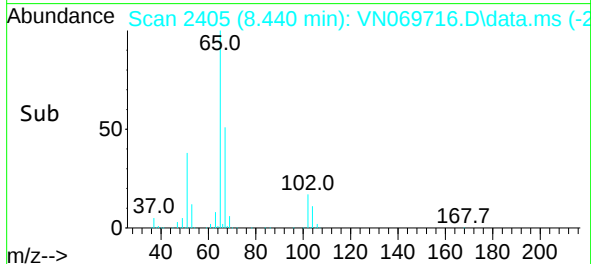
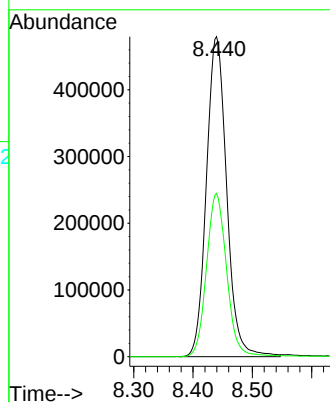
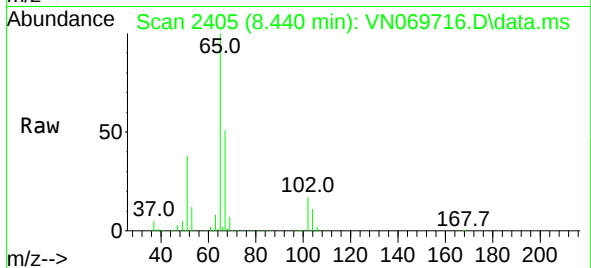
ClientSampleId :

Tgt Ion: 65 Resp: 1136020

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

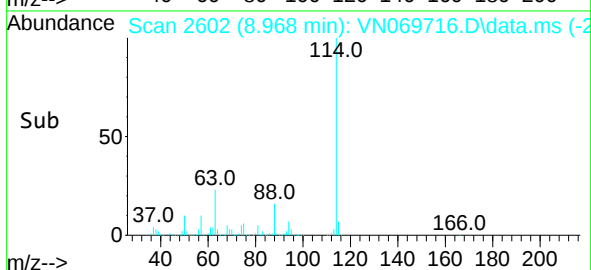
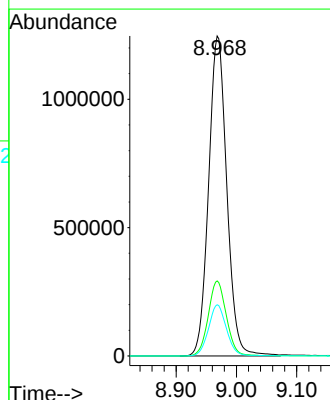
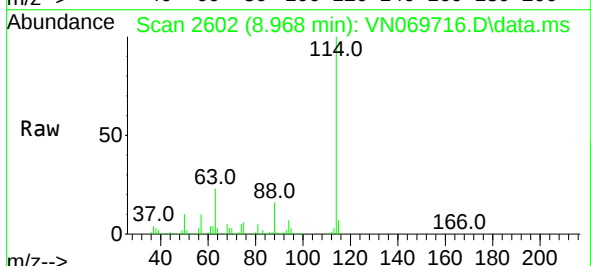
Tgt Ion: 114 Resp: 2613193

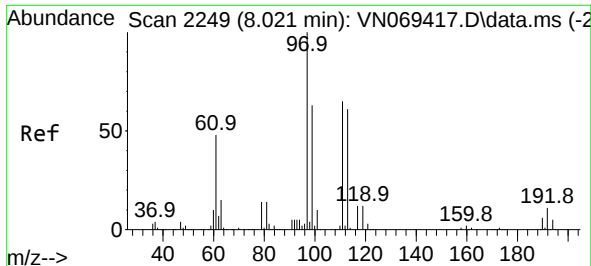
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

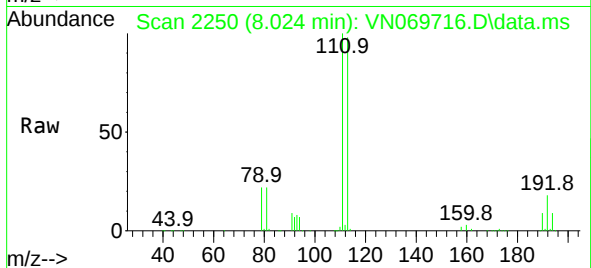
88 16.0 0.0 27.4



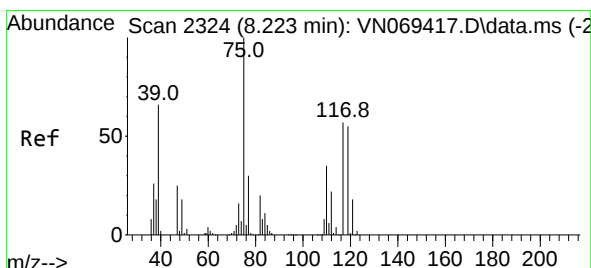
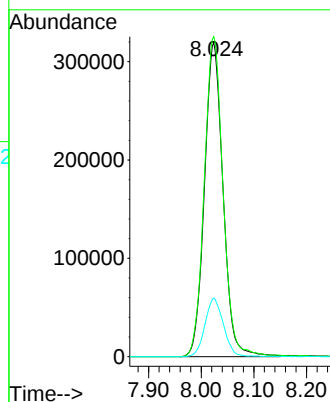
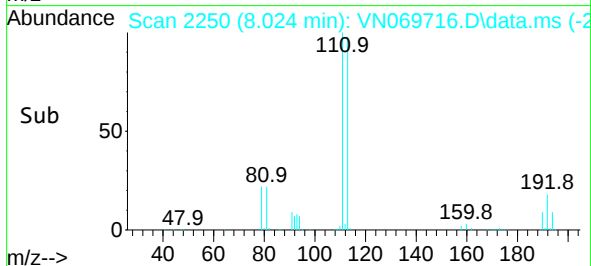


#35
Dibromofluoromethane
Concen: 47.877 ug/l
RT: 8.024 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Instrument :
MSVOA_N
ClientSampleId :

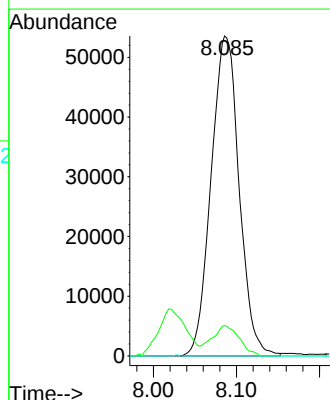
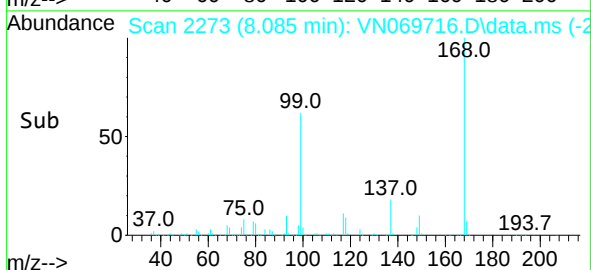
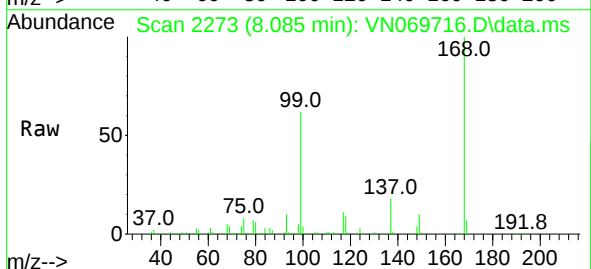


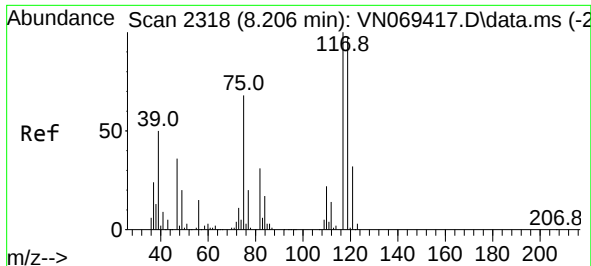
Tgt Ion:113 Resp: 783673
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

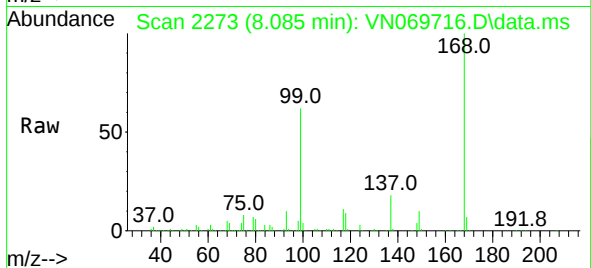
Tgt Ion: 75 Resp: 125678
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#



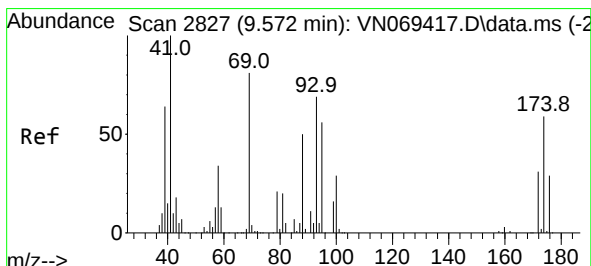
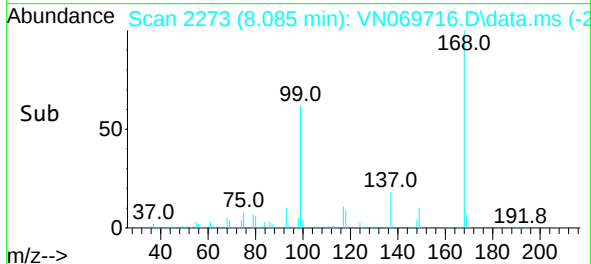
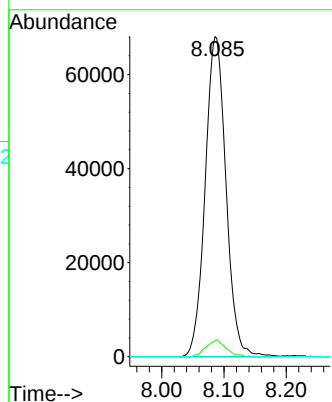


#38
Carbon Tetrachloride
Concen: 6.475 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Instrument :
MSVOA_N
ClientSampleId :

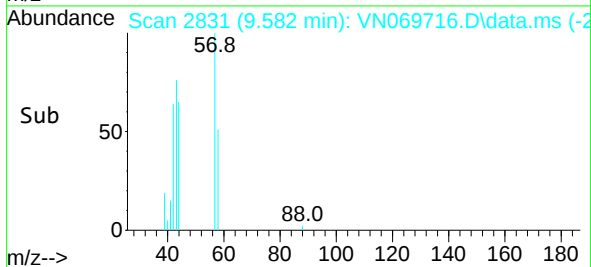
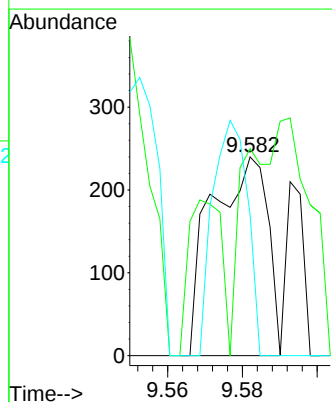
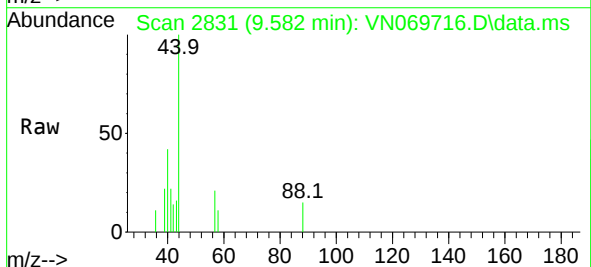


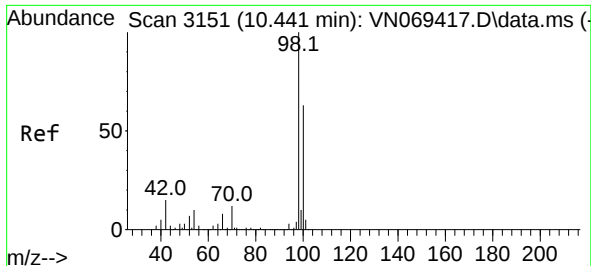
Tgt Ion:117 Resp: 157956
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.545 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.011 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

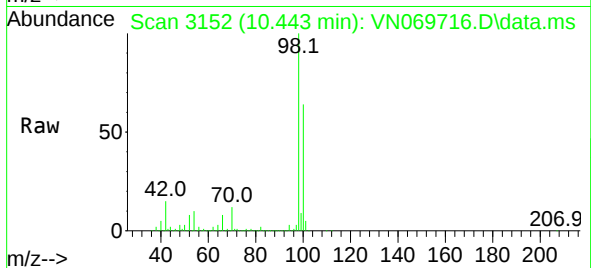
Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
43 45.6 23.4 35.2#
58 73.2 50.6 75.8



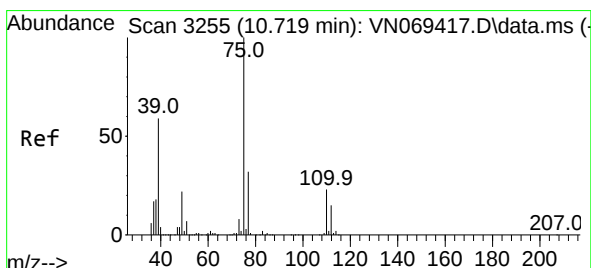
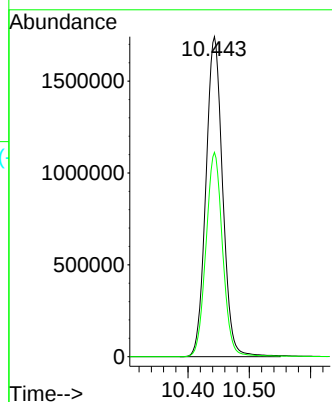
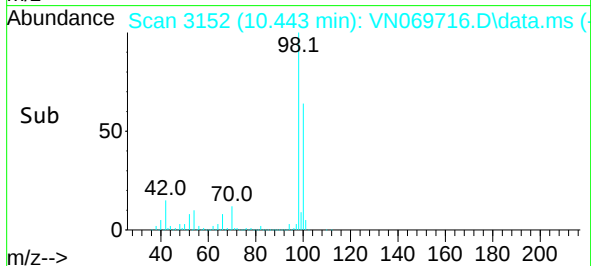


#50
Toluene-d8
Concen: 50.285 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Instrument :
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ClientSampleId :

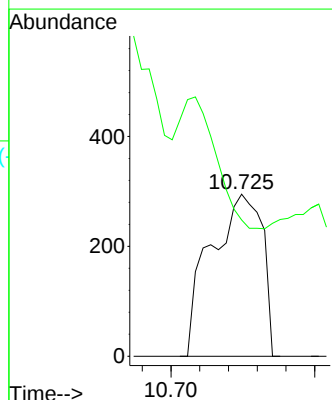
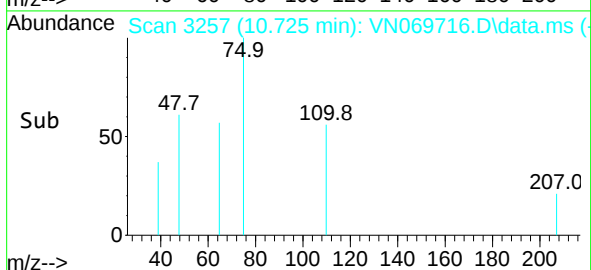
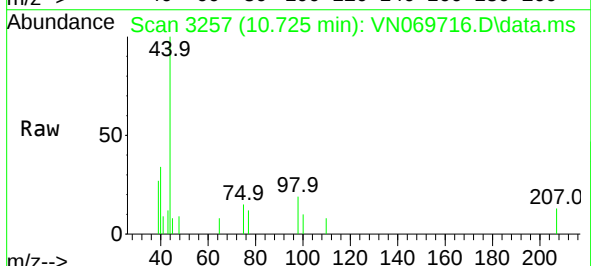


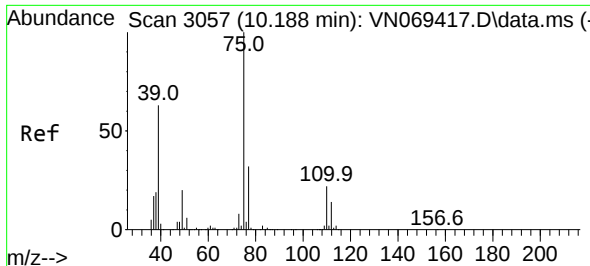
Tgt Ion: 98 Resp: 3304961
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.806 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

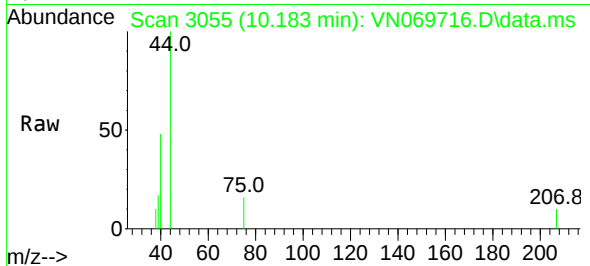
Tgt Ion: 75 Resp: 368
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



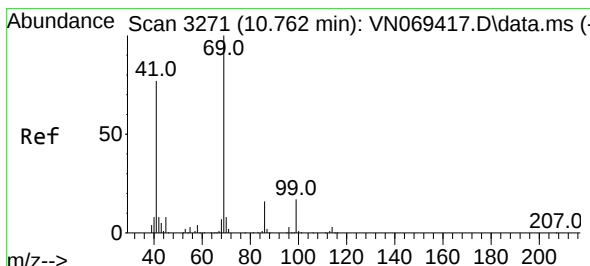
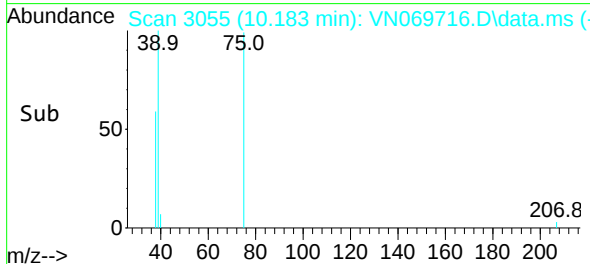
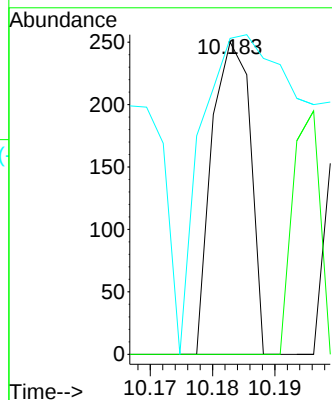


#54
 cis-1,3-Dichloropropene
 Concen: 2.002 ug/l
 RT: 10.183 min Scan# 3055
 Delta R.T. -0.008 min
 Lab File: VN069716.D
 Acq: 3 Dec 2021 14:21

Instrument :
 MSVOA_N
 ClientSampleId :

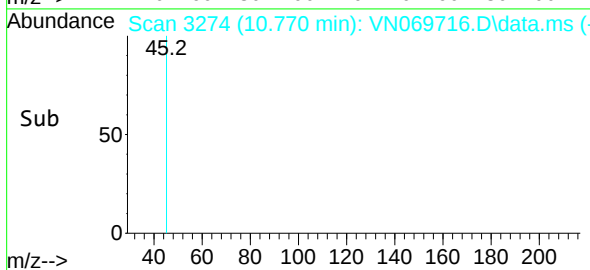
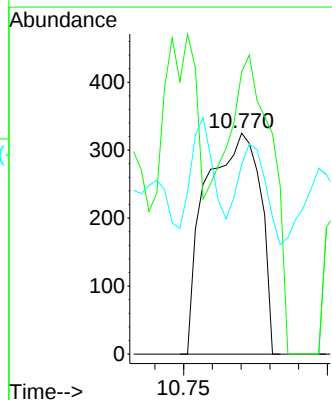
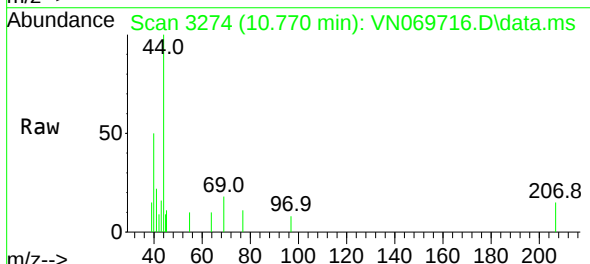


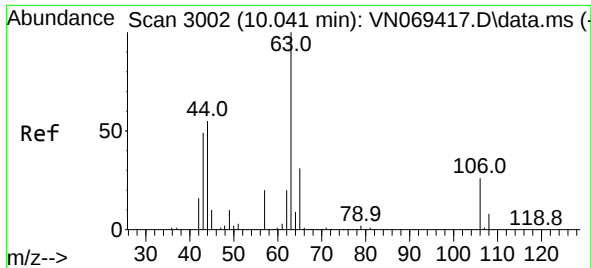
Tgt Ion: 75 Resp: 107
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 101.2 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.291 ug/l
 RT: 10.770 min Scan# 3274
 Delta R.T. 0.008 min
 Lab File: VN069716.D
 Acq: 3 Dec 2021 14:21

Tgt Ion: 69 Resp: 428
 Ion Ratio Lower Upper
 69 100
 41 115.4 51.4 77.0#
 39 34.6 34.6 52.0#

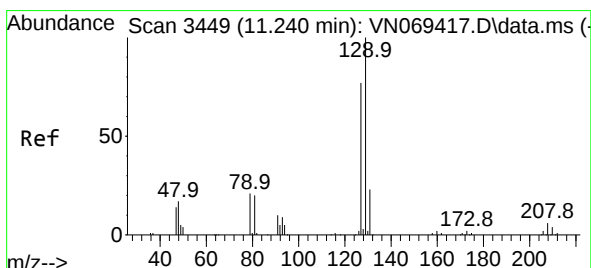
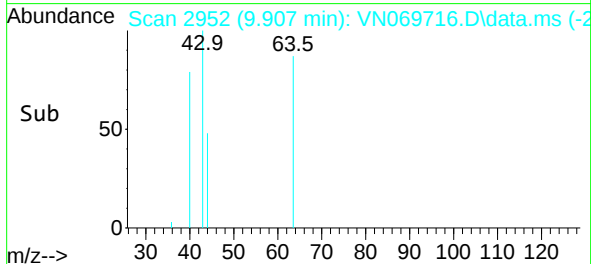
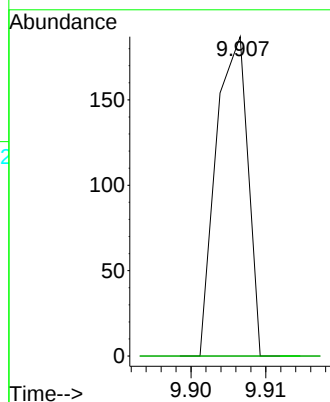
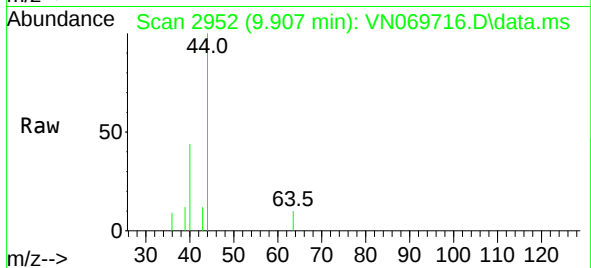




#58
2-Chloroethyl Vinyl ether
Concen: 18.394 ug/l
RT: 9.907 min Scan# 2952
Delta R.T. -0.136 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

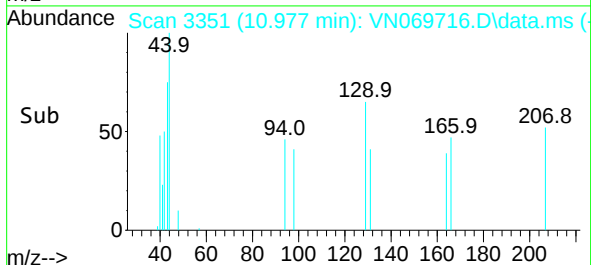
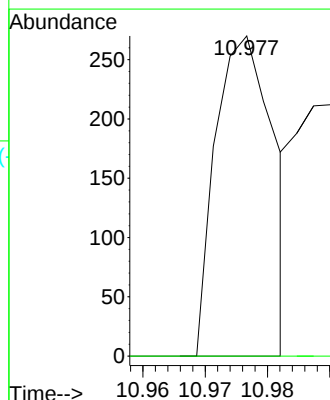
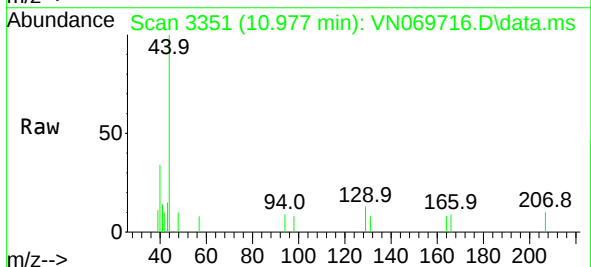
Instrument :
MSVOA_N
ClientSampleId :

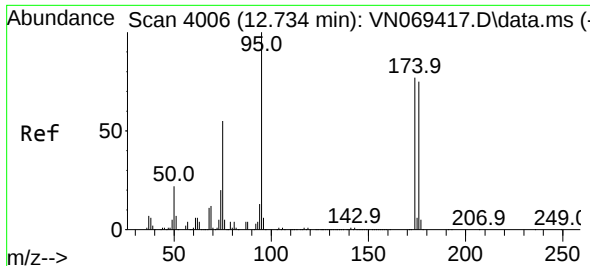
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.385 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Tgt Ion:129 Resp: 175
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

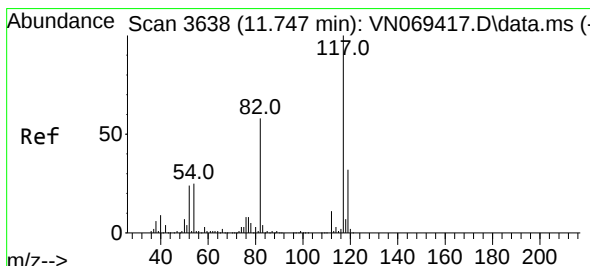
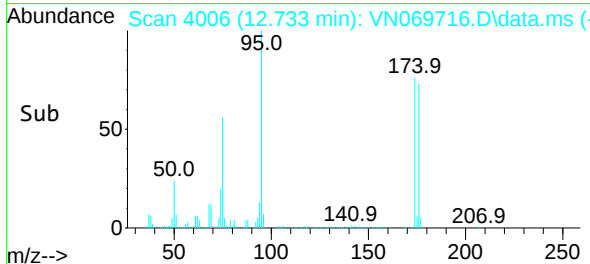
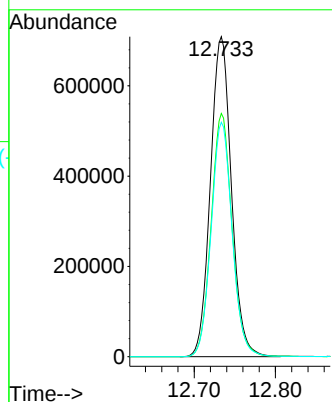
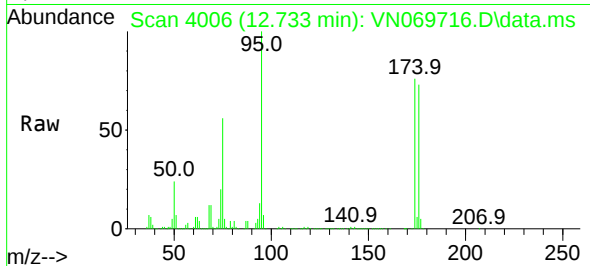




#62
4-Bromofluorobenzene
Concen: 53.443 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

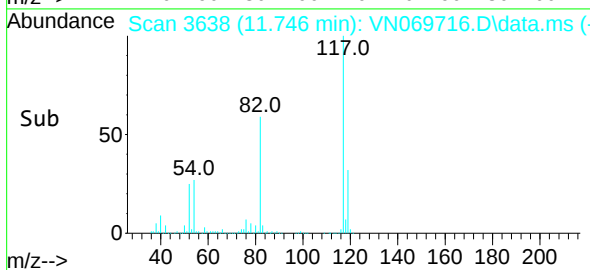
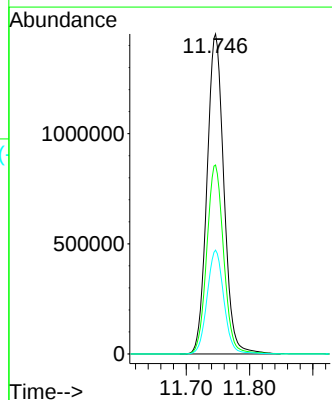
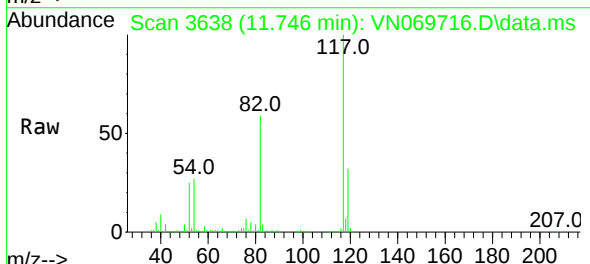
Instrument :
MSVOA_N
ClientSampleId :

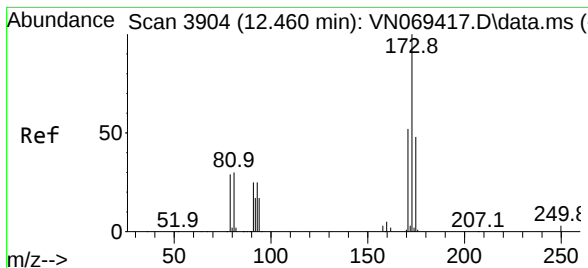
Tgt Ion: 95 Resp: 1272510
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Tgt Ion: 117 Resp: 2688851
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.5 25.4 38.2





#71

Bromoform

Concen: 2.806 ug/l

RT: 12.720 min Scan# 4001

Delta R.T. 0.260 min

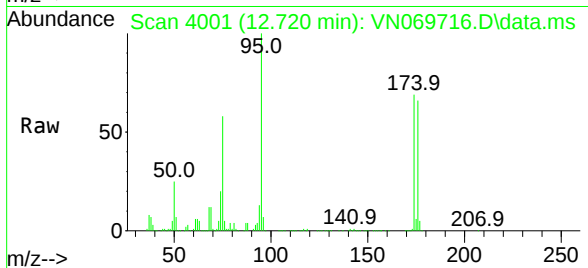
Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

Instrument :

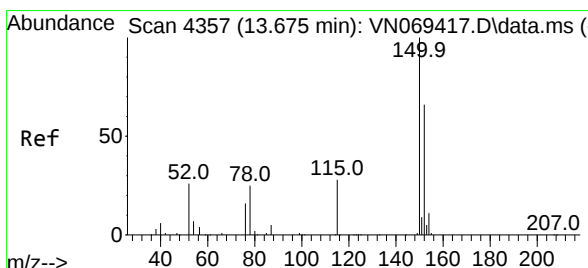
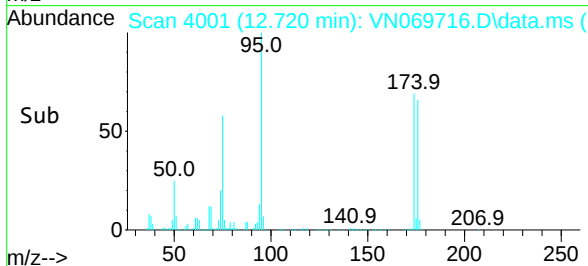
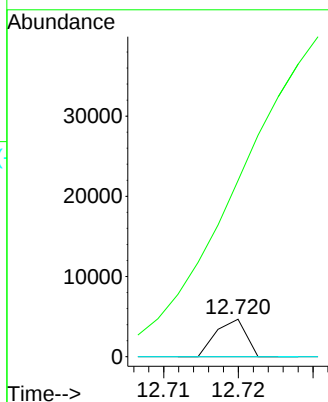
MSVOA_N

ClientSampleId :



Tgt Ion:173 Resp: 1302

Ion	Ratio	Lower	Upper
173	100		
175	5177.4	24.2	72.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.677 min Scan# 4358

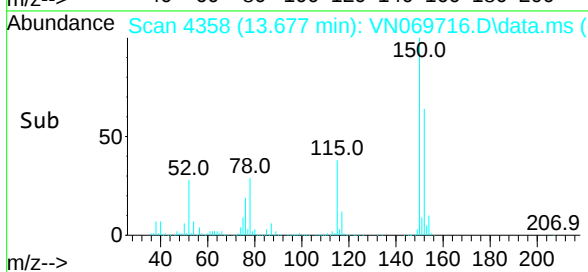
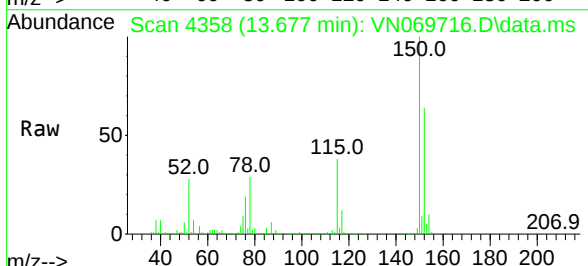
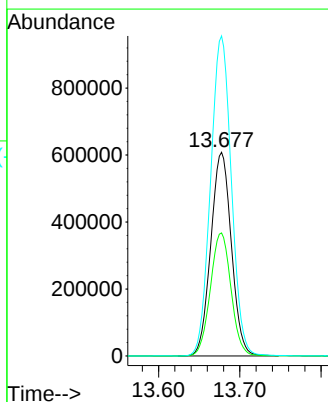
Delta R.T. 0.000 min

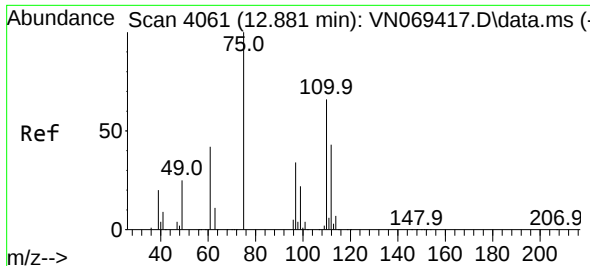
Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

Tgt Ion:152 Resp: 1071280

Ion	Ratio	Lower	Upper
152	100		
115	60.6	27.5	82.5
150	158.4	0.0	344.4

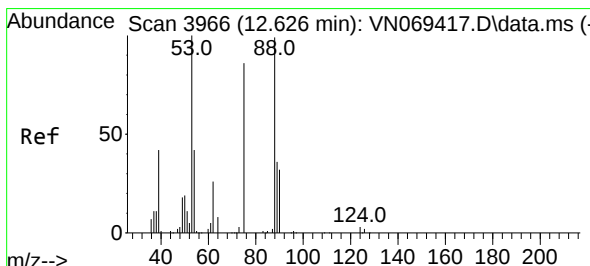
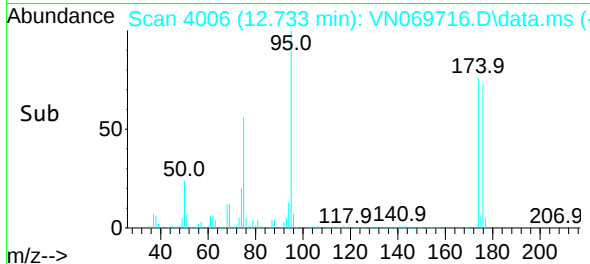
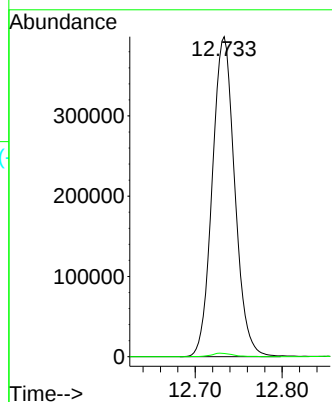
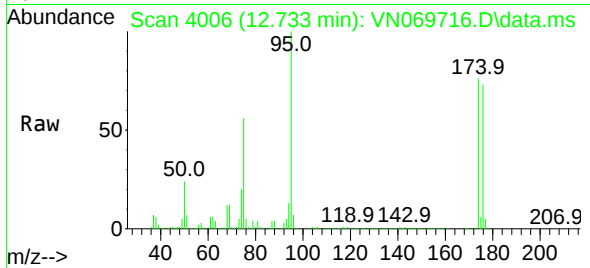




#76
1,2,3-Trichloropropane
Concen: 23.304 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

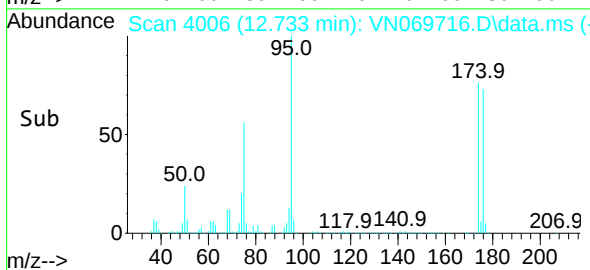
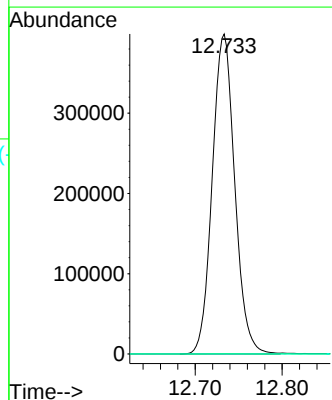
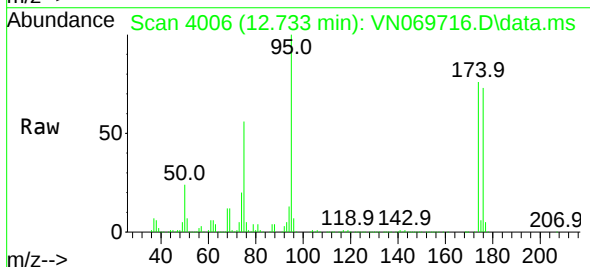
Instrument :
MSVOA_N
ClientSampleId :

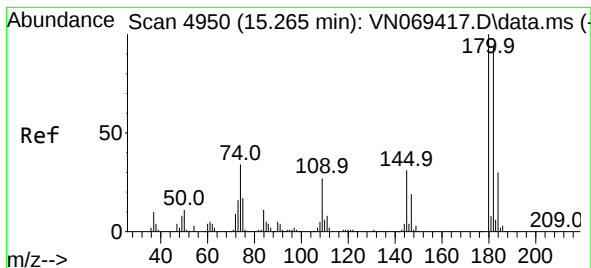
Tgt Ion: 75 Resp: 715955
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.139 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069716.D
Acq: 3 Dec 2021 14:21

Tgt Ion: 75 Resp: 715955
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.006 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

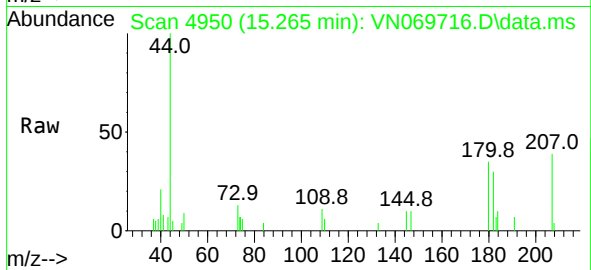
Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

Instrument :

MSVOA_N

ClientSampleId :



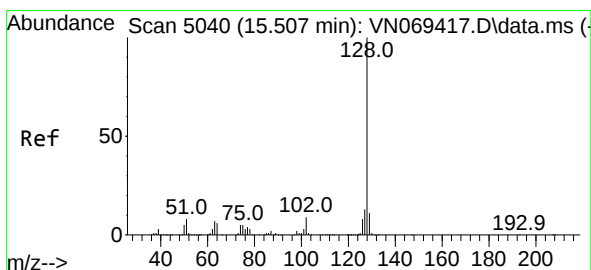
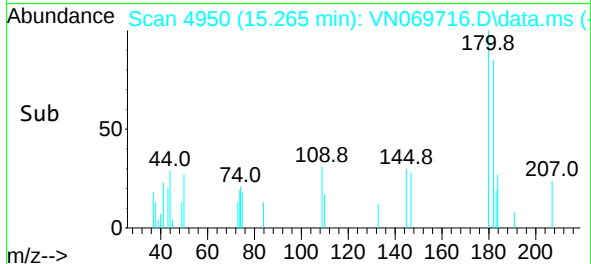
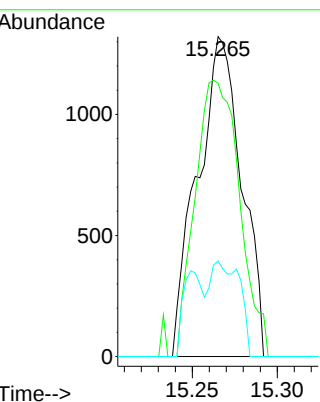
Tgt Ion:180 Resp: 2387

Ion Ratio Lower Upper

180 100

182 86.9 48.3 144.9

145 20.1 14.5 43.5



#95

Naphthalene

Concen: 4.153 ug/l

RT: 15.512 min Scan# 5042

Delta R.T. 0.005 min

Lab File: VN069716.D

Acq: 3 Dec 2021 14:21

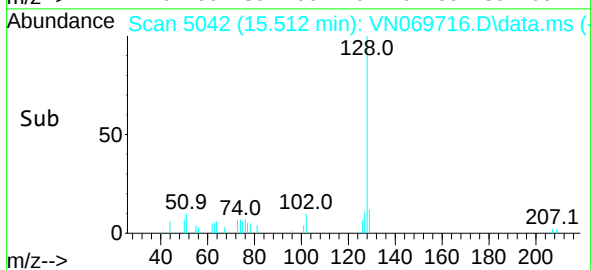
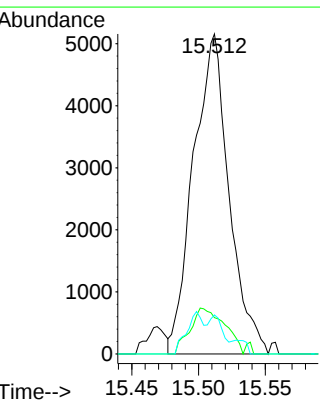
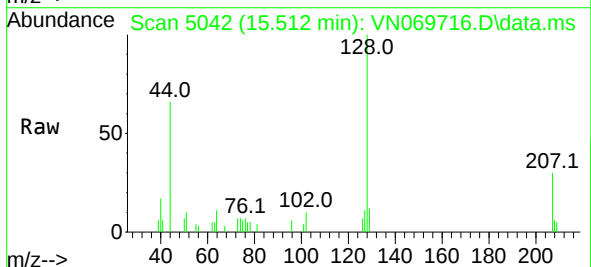
Tgt Ion:128 Resp: 9561

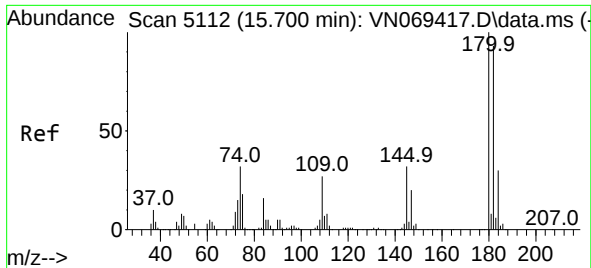
Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

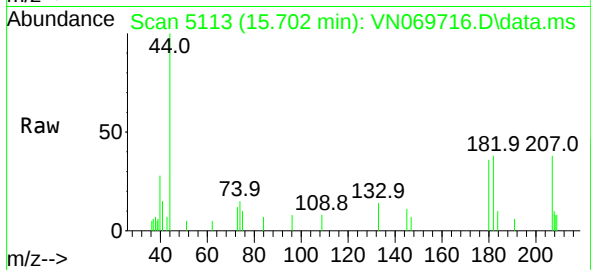
129 2.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.575 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069716.D
 Acq: 3 Dec 2021 14:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.1	47.4	142.2
145	28.1	15.0	45.1

