

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110221\
 Data File : VN069346.D
 Acq On : 2 Nov 2021 14:16
 Operator : JC/MD
 Sample : M4441-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 00:48:23 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

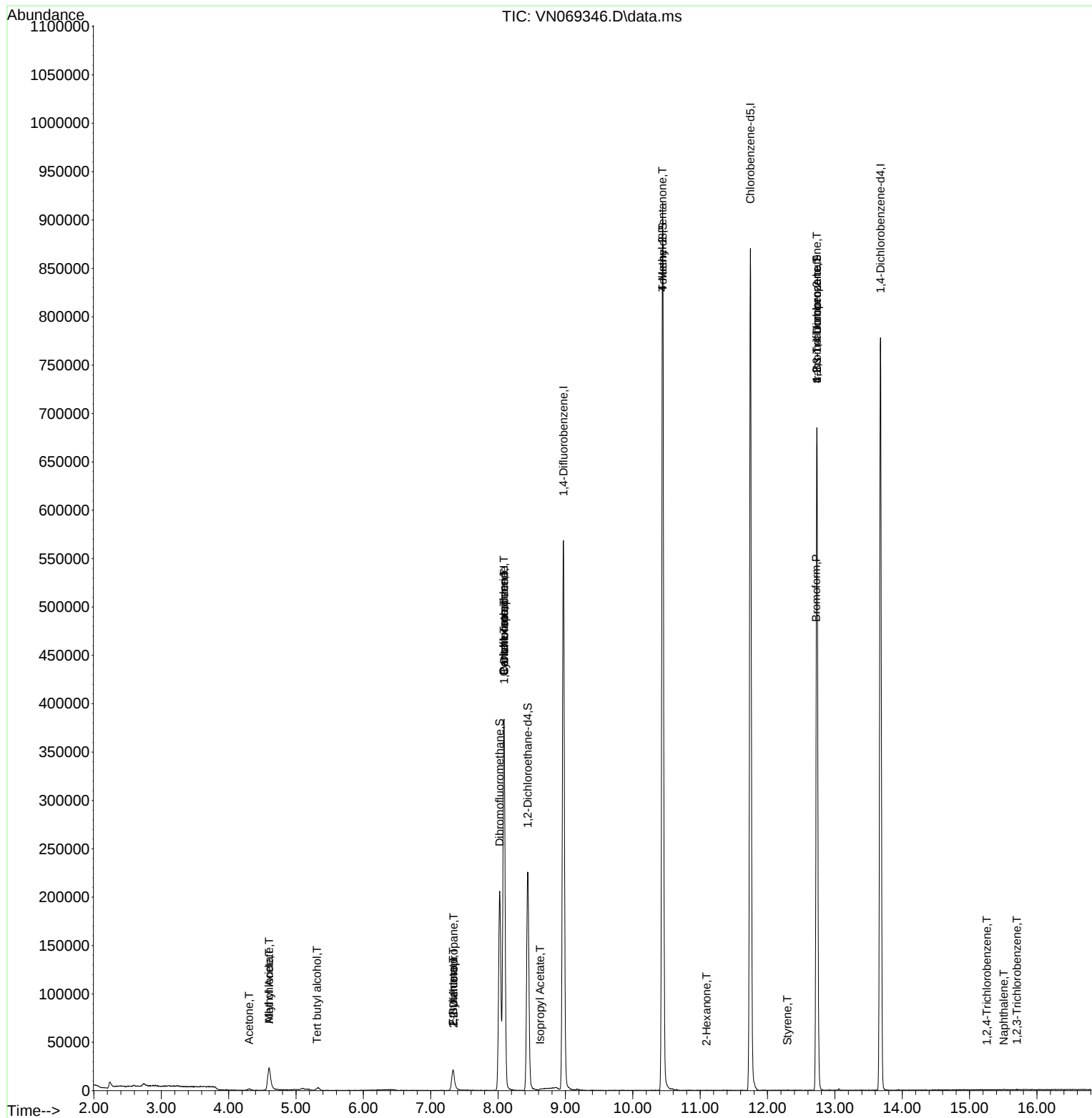
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	285156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	517689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	514198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	201106	48.855	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.720%
35) Dibromofluoromethane	8.024	113	150677	46.691	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.380%
50) Toluene-d8	10.443	98	656646	50.891	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.733	95	246920	50.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	436	Below Cal	#	42
11) Tert butyl alcohol	5.312	59	1310	14.956	ug/l #	72
14) Allyl chloride	4.602	41	3813	0.840	ug/l #	52
16) Acetone	4.301	43	1774	1.012	ug/l	96
18) Methyl Acetate	4.602	43	9806	1.645	ug/l #	52
25) 2-Butanone	7.332	43	1131	2.052	ug/l #	48
26) 2,2-Dichloropropane	7.340	77	1252	1.069	ug/l #	53
31) Cyclohexane	8.086	56	6601	1.198	ug/l #	1
36) 1,1-Dichloropropene	8.091	75	24100	5.400	ug/l #	51
37) Ethyl Acetate	7.332	43	1131	0.222	ug/l #	61
38) Carbon Tetrachloride	8.088	117	30009	6.802	ug/l #	16
43) Isopropyl Acetate	8.625	43	605	0.526	ug/l #	55
51) 4-Methyl-2-Pentanone	10.440	43	3131	6.931	ug/l #	1
59) 2-Hexanone	11.095	43	290	8.064	ug/l #	25
70) Styrene	12.294	104	26	1.458	ug/l #	24
71) Bromoform	12.723	173	144	2.916	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	131569	24.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131569	69.265	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.255	180	83	2.511	ug/l #	53
95) Naphthalene	15.507	128	692	3.370	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	77	2.229	ug/l #	80

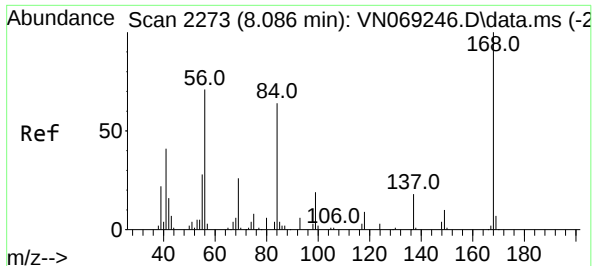
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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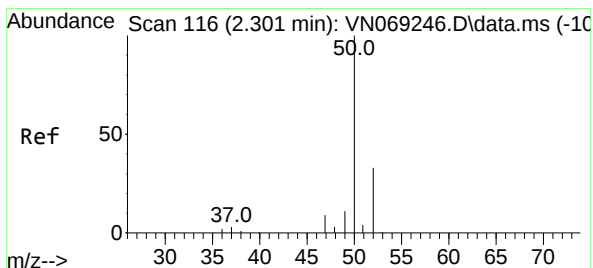
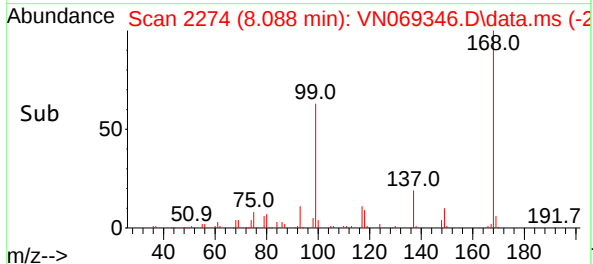
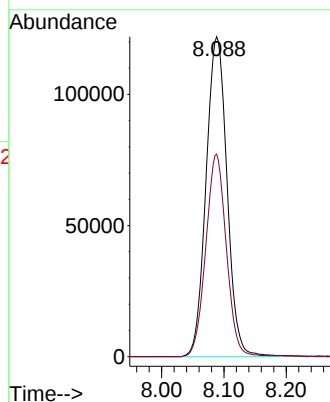
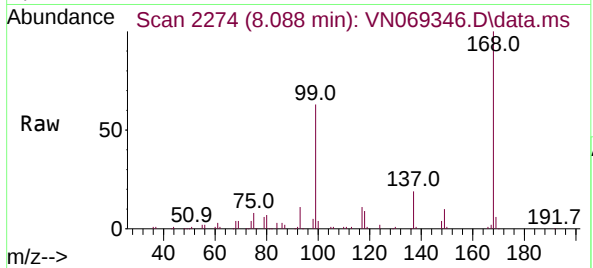




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

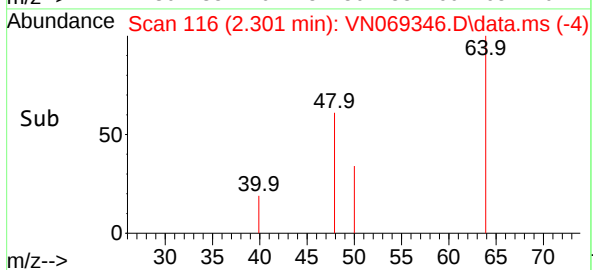
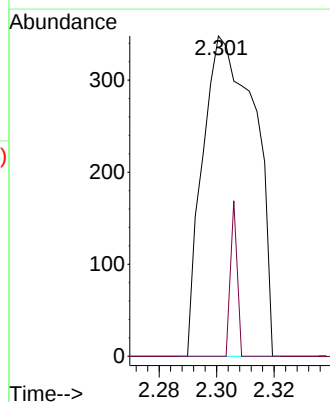
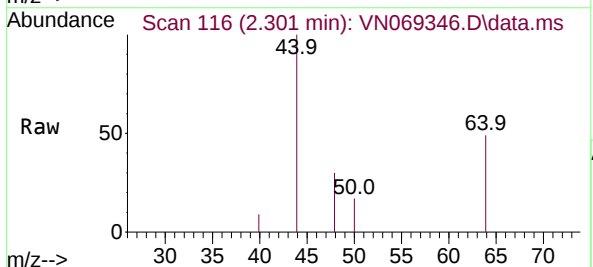
Instrument :
MSVOA_N
ClientSampleId :

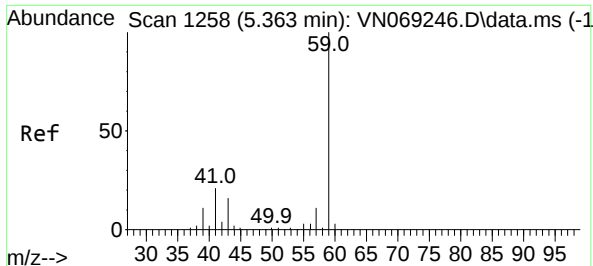
Tgt Ion:168 Resp: 285156
Ion Ratio Lower Upper
168 100
99 63.3 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion: 50 Resp: 436
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#





#11

Tert butyl alcohol

Concen: 14.956 ug/l

RT: 5.312 min Scan# 11

Delta R.T. -0.051 min

Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

Instrument :

MSVOA_N

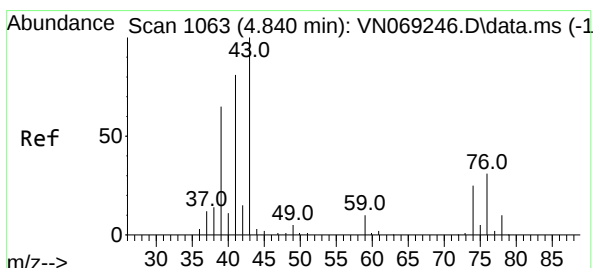
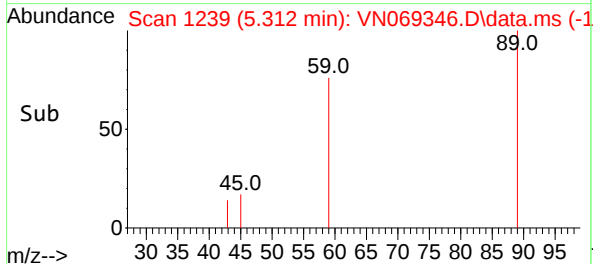
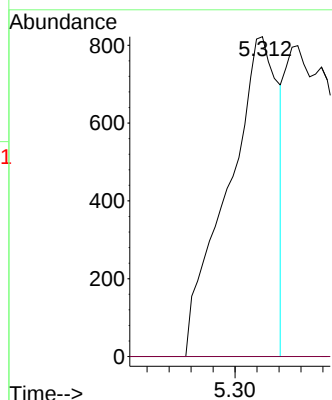
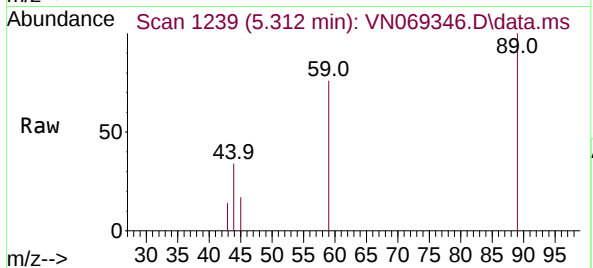
ClientSampleId :

Tgt Ion: 59 Resp: 1310

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#14

Allyl chloride

Concen: 0.840 ug/l

RT: 4.602 min Scan# 974

Delta R.T. -0.238 min

Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

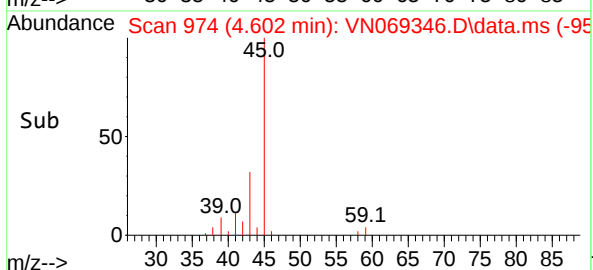
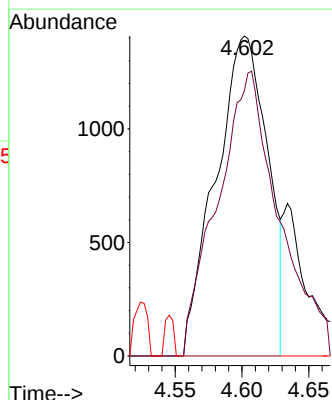
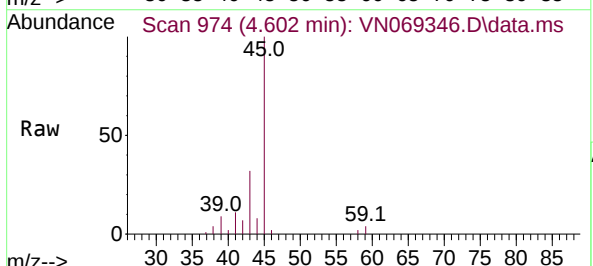
Tgt Ion: 41 Resp: 3813

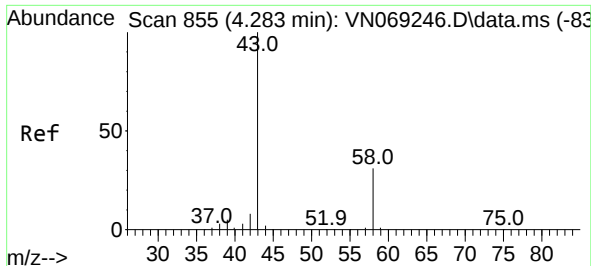
Ion Ratio Lower Upper

41 100

39 104.9 55.6 83.4#

76 0.0 26.4 39.6#

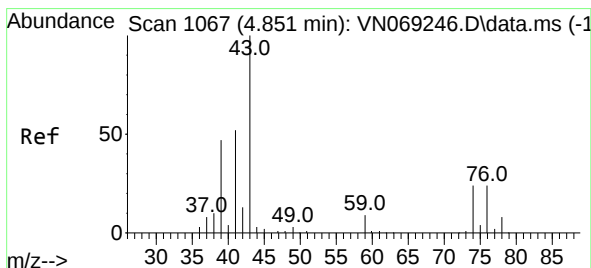
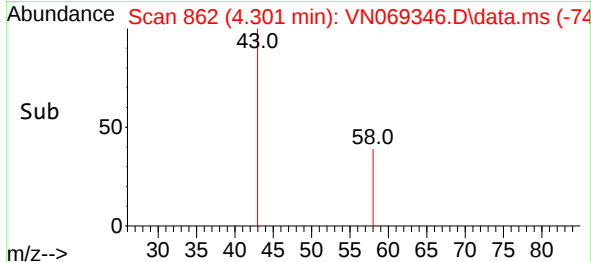
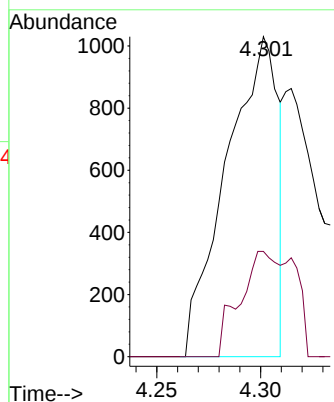
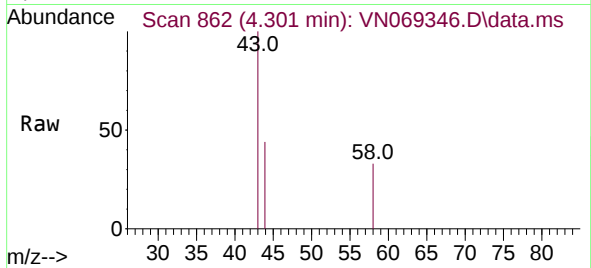




#16
Acetone
Concen: 1.012 ug/l
RT: 4.301 min Scan# 801
Delta R.T. 0.018 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

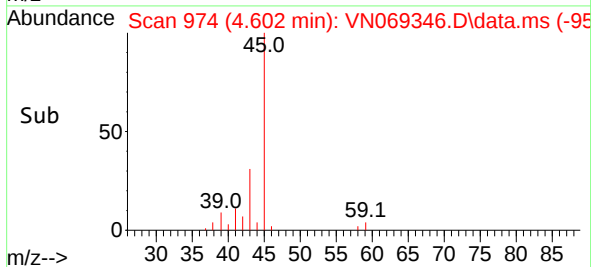
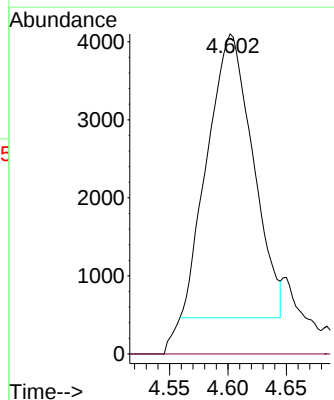
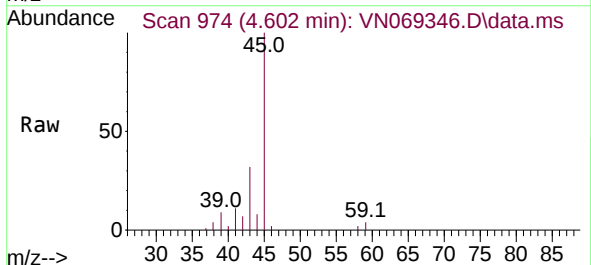
Instrument :
MSVOA_N
ClientSampleId :

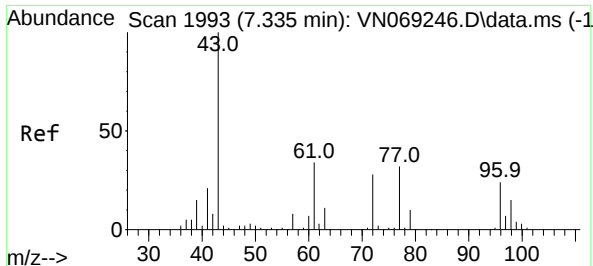
Tgt Ion: 43 Resp: 1774
Ion Ratio Lower Upper
43 100
58 32.9 24.5 36.7



#18
Methyl Acetate
Concen: 1.645 ug/l
RT: 4.602 min Scan# 974
Delta R.T. -0.249 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion: 43 Resp: 9806
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#





#25

2-Butanone

Concen: 2.052 ug/l

RT: 7.332 min Scan# 1992

Delta R.T. -0.003 min

Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

Instrument :

MSVOA_N

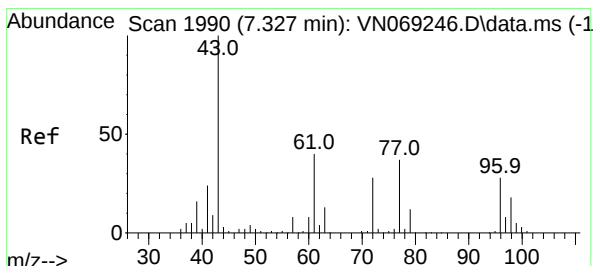
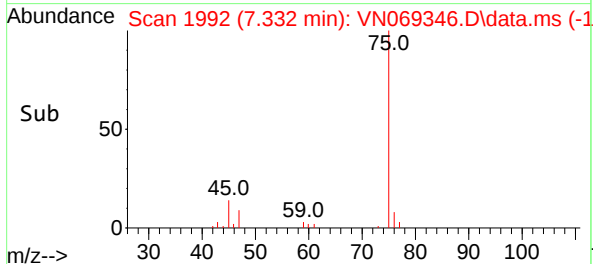
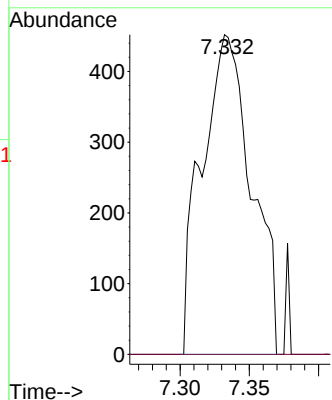
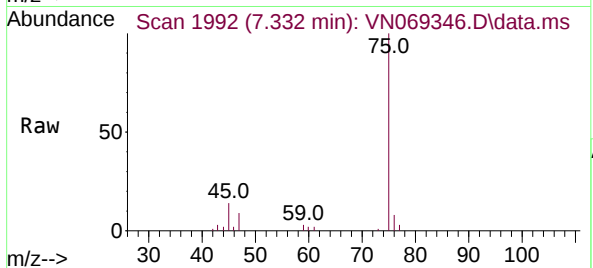
ClientSampleId :

Tgt Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#26

2,2-Dichloropropane

Concen: 1.069 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.013 min

Lab File: VN069346.D

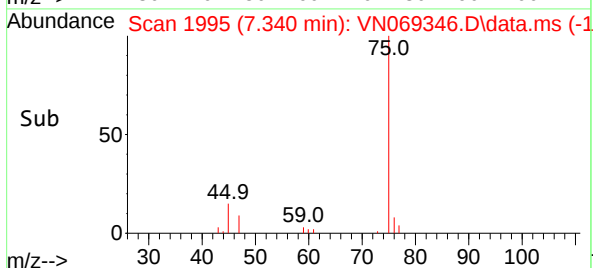
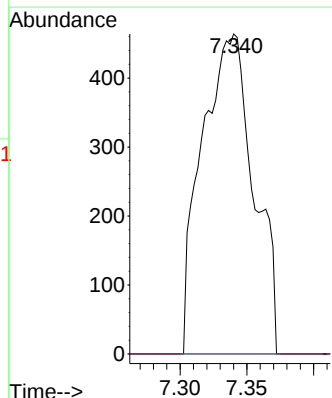
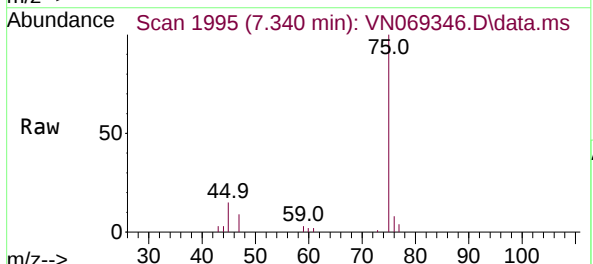
Acq: 2 Nov 2021 14:16

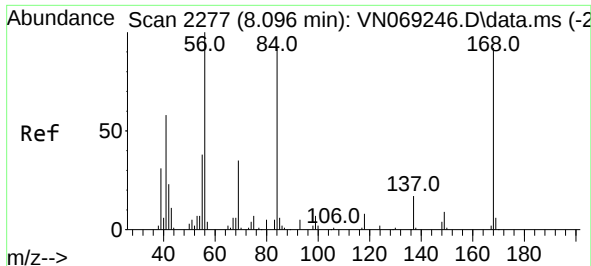
Tgt Ion: 77 Resp: 1252

Ion Ratio Lower Upper

77 100

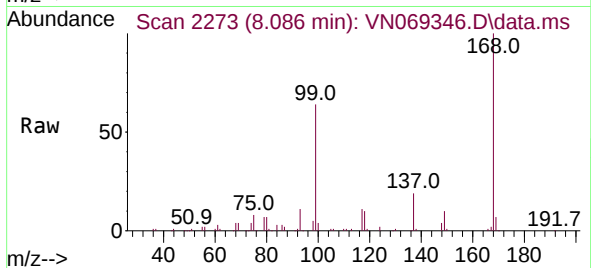
97 0.0 11.2 33.6#



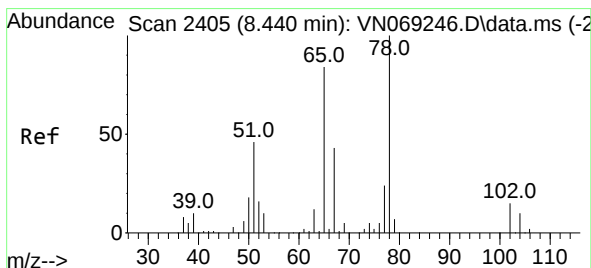
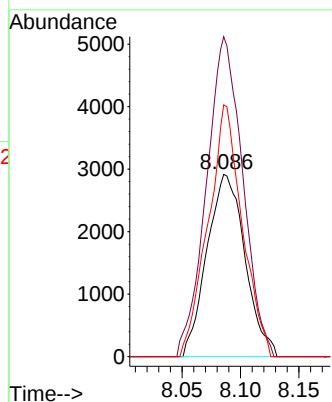
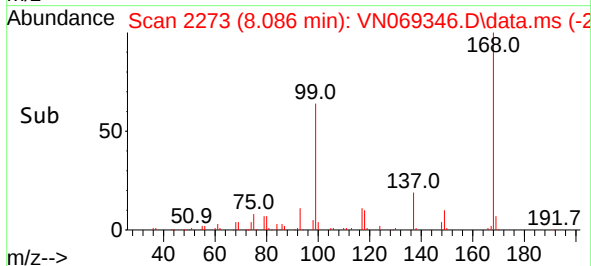


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.010 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :

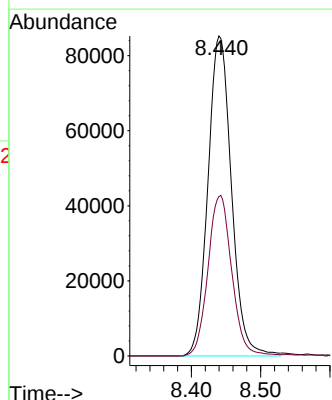
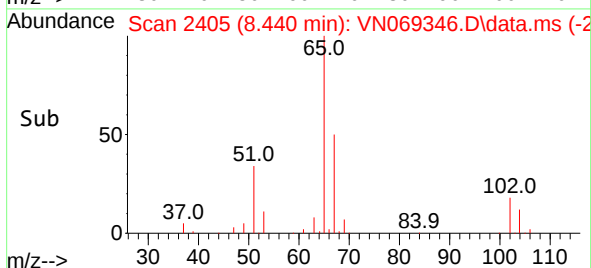
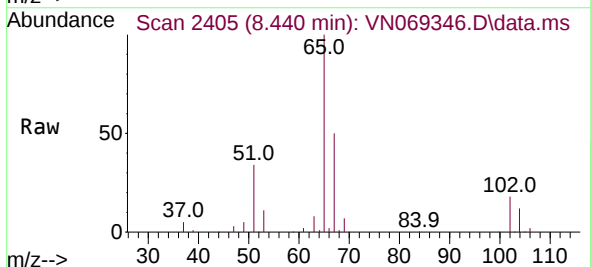


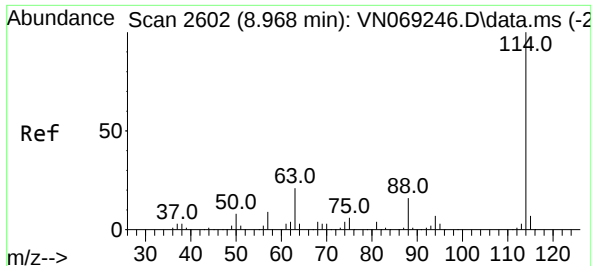
Tgt Ion: 56 Resp: 6601
Ion Ratio Lower Upper
56 100
69 175.5 26.9 40.3#
84 138.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.855 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion: 65 Resp: 201106
Ion Ratio Lower Upper
65 100
67 50.8 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: VN069346.D

Acq: 2 Nov 2021 14:16

Instrument :

MSVOA_N

ClientSampleId :

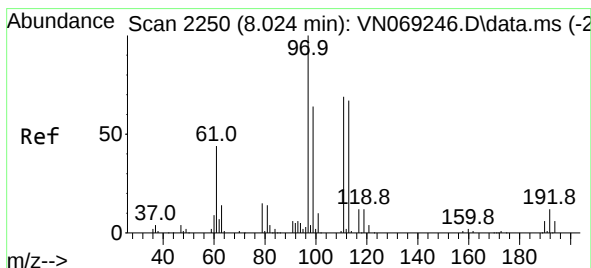
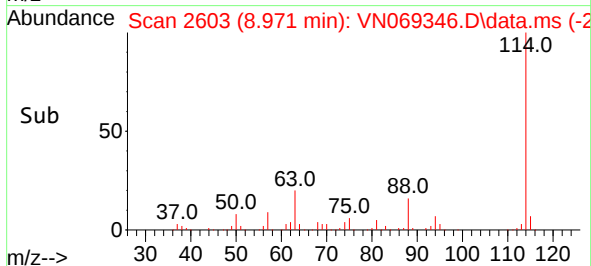
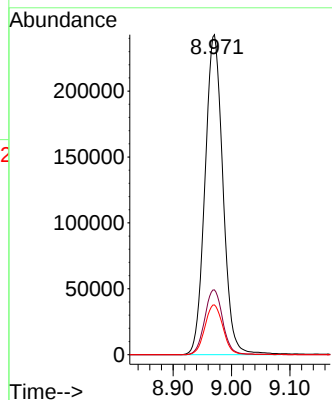
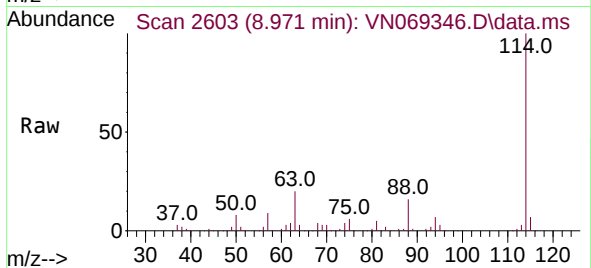
Tgt Ion:114 Resp: 517689

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.691 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

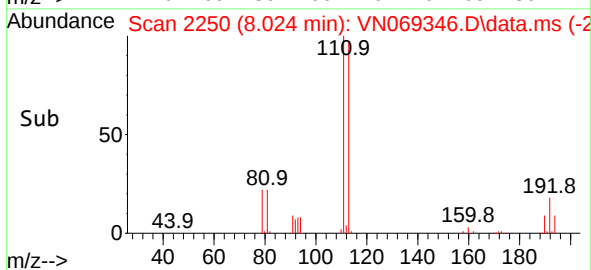
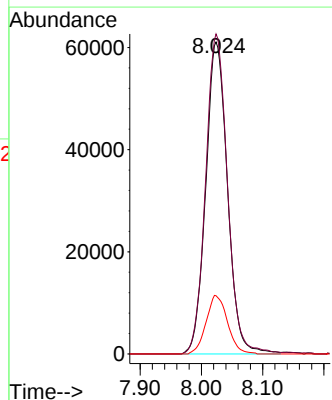
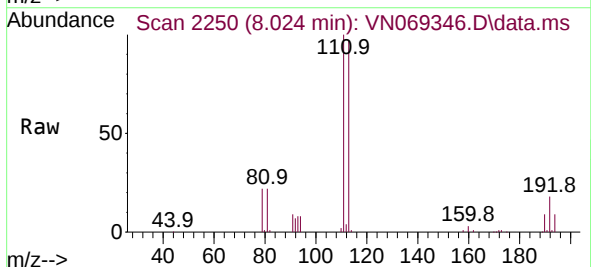
Tgt Ion:113 Resp: 150677

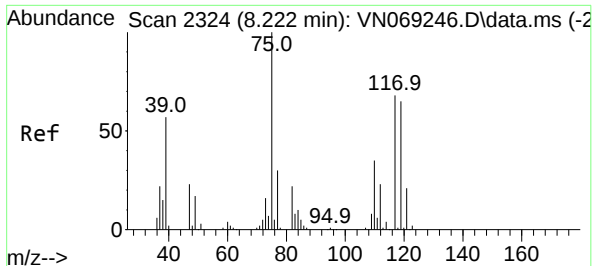
Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

192 18.5 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.400 ug/l

RT: 8.091 min Scan# 21

Delta R.T. -0.131 min

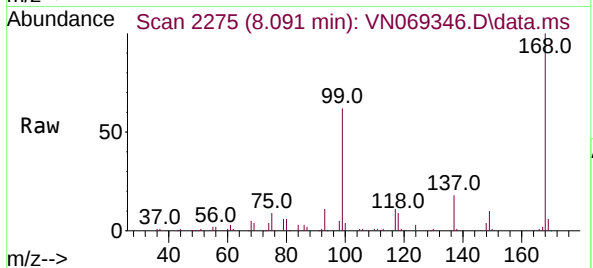
Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

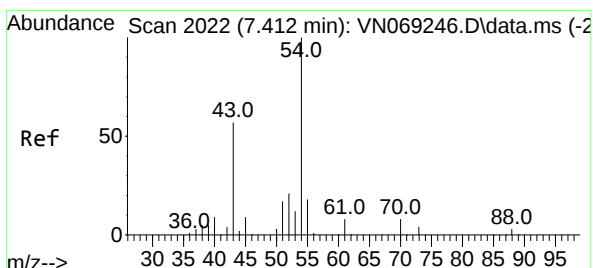
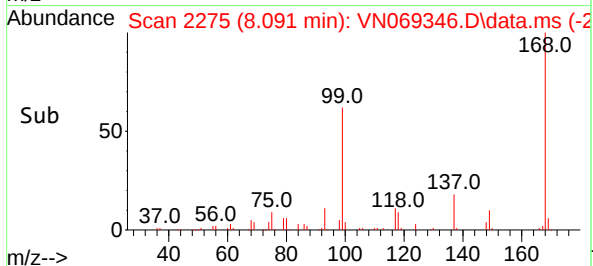
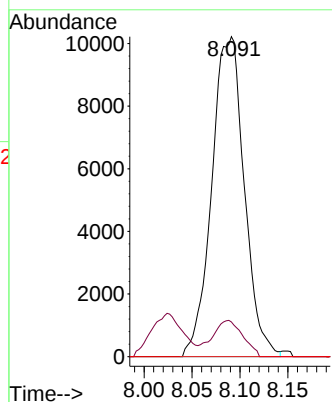
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	24100
Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.9	53.8#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 0.222 ug/l

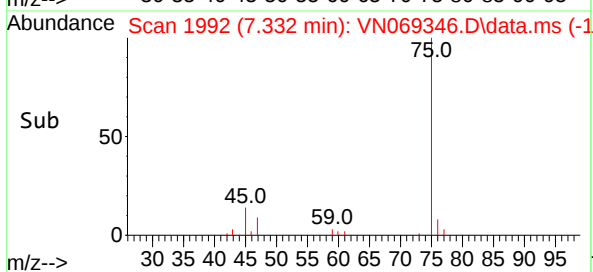
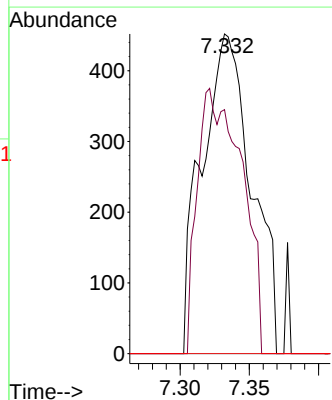
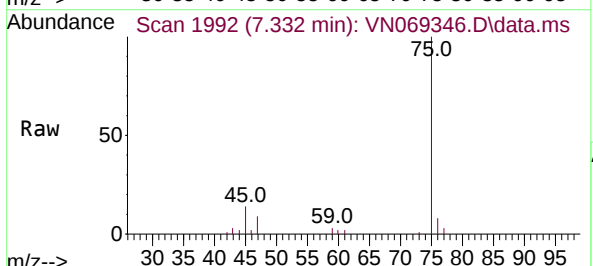
RT: 7.332 min Scan# 1992

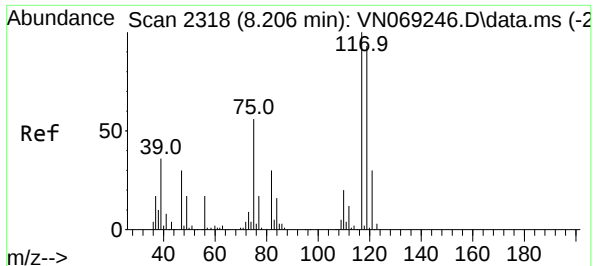
Delta R.T. -0.080 min

Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

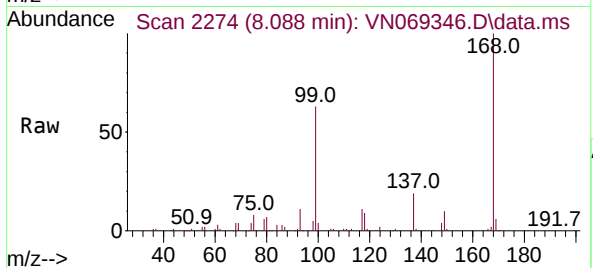
Tgt Ion:	43	Resp:	1131
Ion	Ratio	Lower	Upper
43	100		
61	33.2	11.2	16.8#
70	0.0	8.4	12.6#



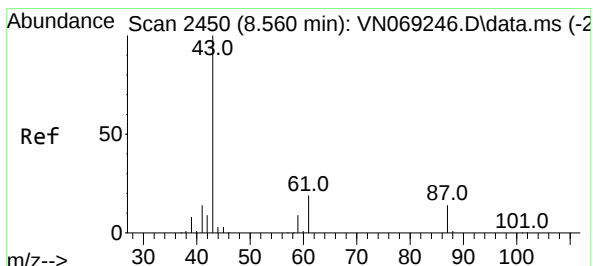
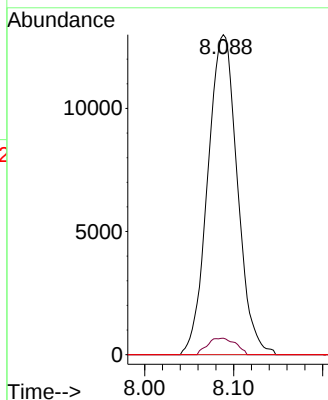
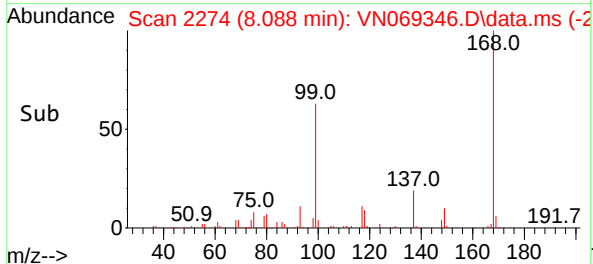


#38
Carbon Tetrachloride
Concen: 6.802 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :

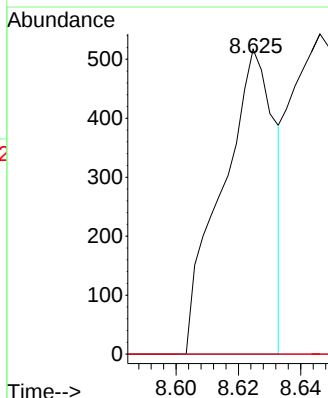
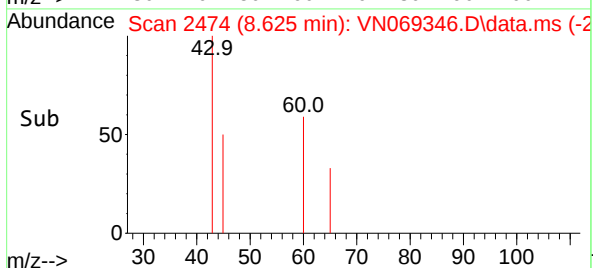
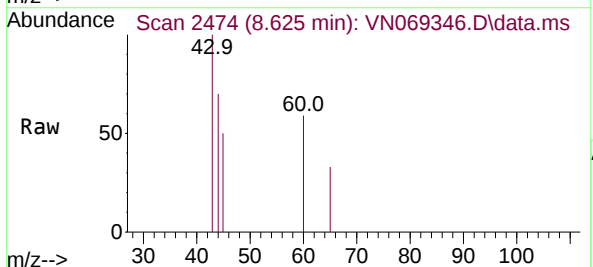


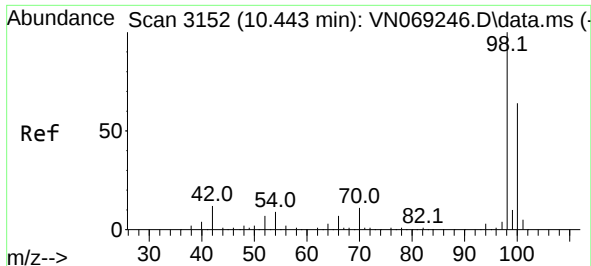
Tgt Ion:117 Resp: 30009
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.526 ug/l
RT: 8.625 min Scan# 2474
Delta R.T. 0.065 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

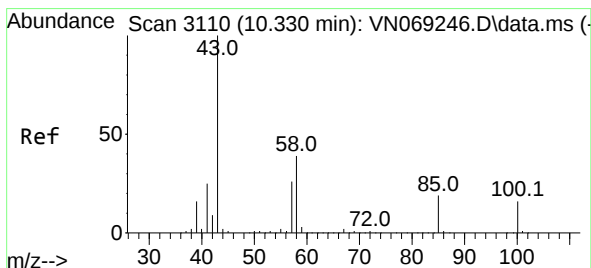
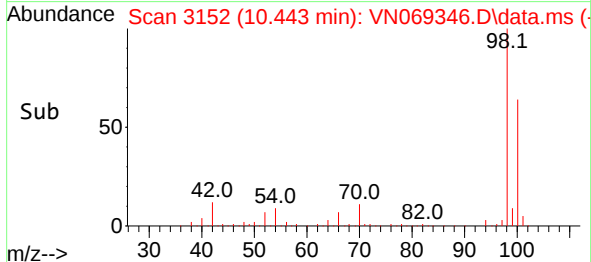
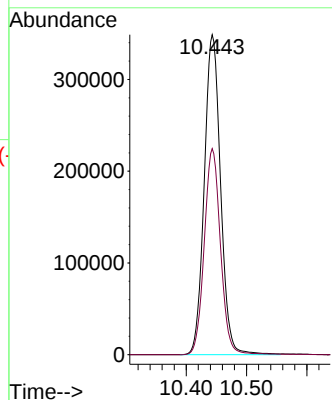
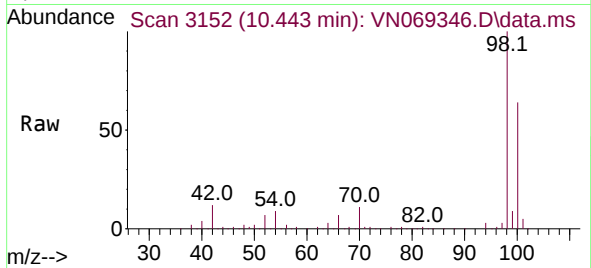




#50
Toluene-d8
Concen: 50.891 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

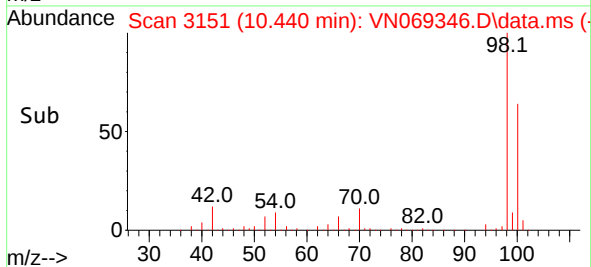
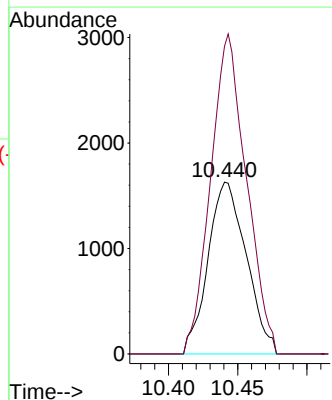
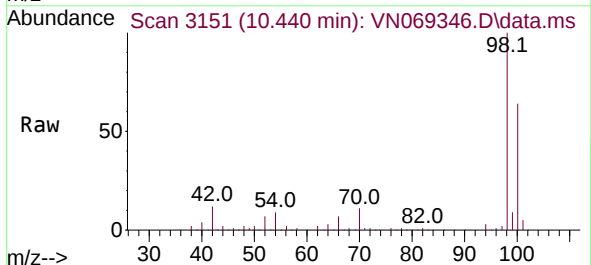
Instrument :
MSVOA_N
ClientSampleId :

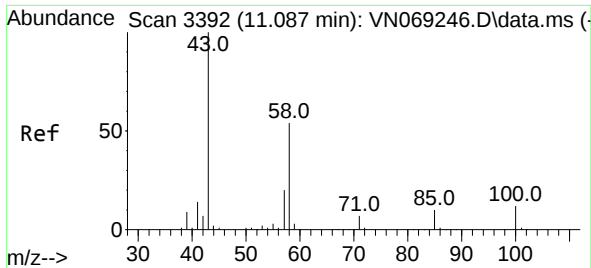
Tgt Ion: 98 Resp: 656646
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.931 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.110 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion: 43 Resp: 3131
Ion Ratio Lower Upper
43 100
58 173.9 31.0 46.4#

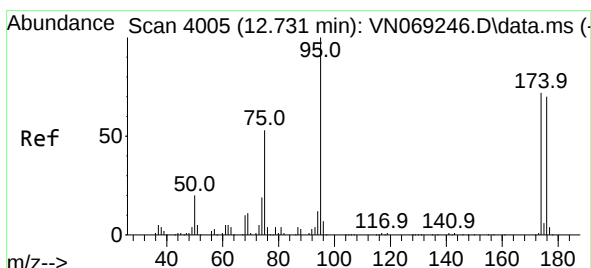
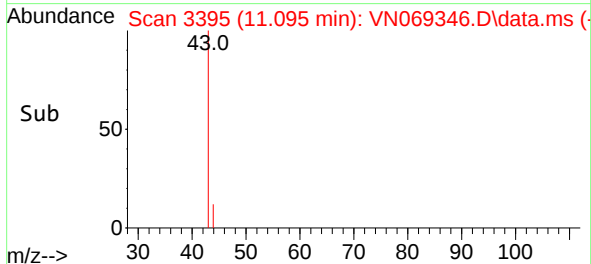
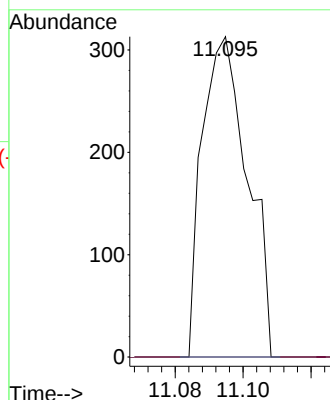
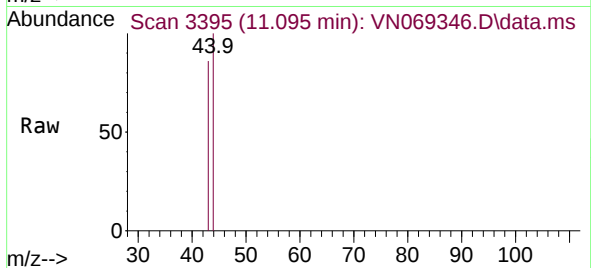




#59
2-Hexanone
Concen: 8.064 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

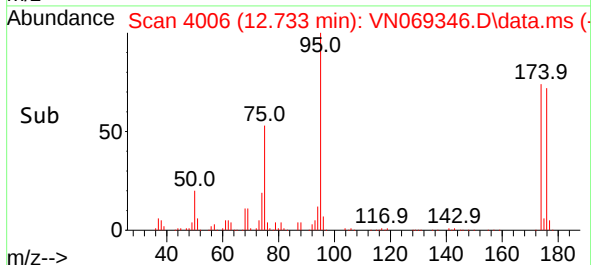
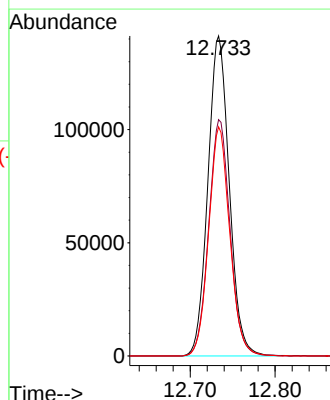
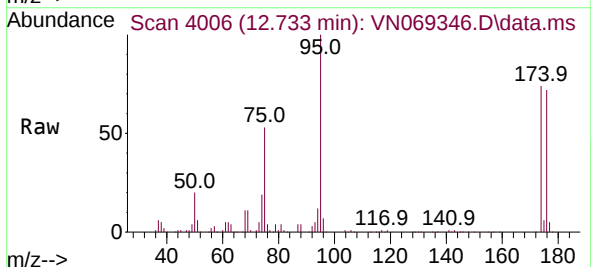
Instrument :
MSVOA_N
ClientSampleId :

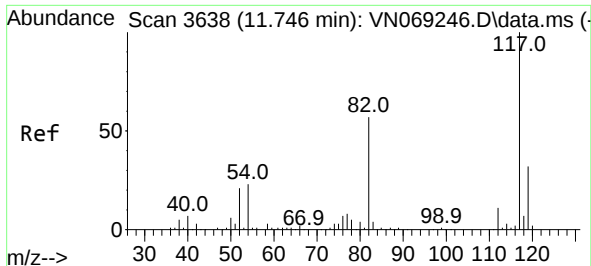
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.713 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion: 95 Resp: 246920
Ion Ratio Lower Upper
95 100
174 73.8 0.0 144.8
176 70.8 0.0 140.0

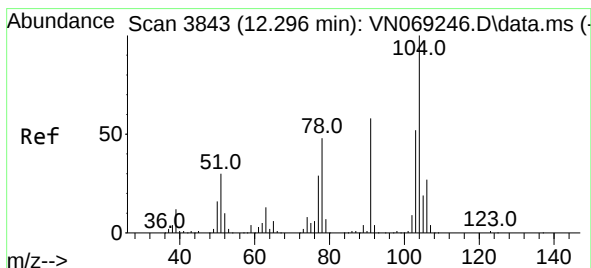
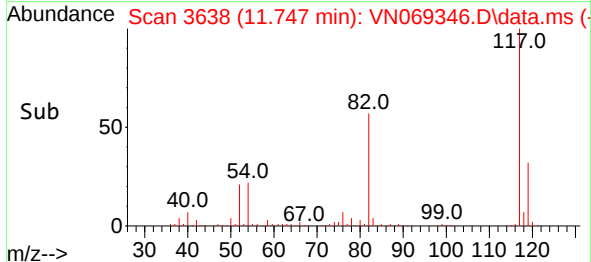
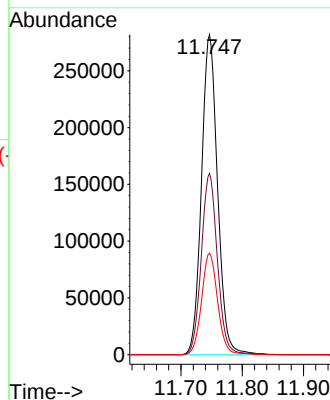
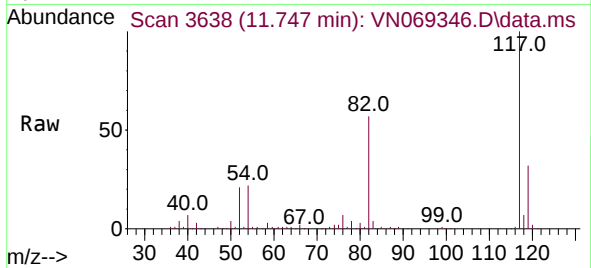




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

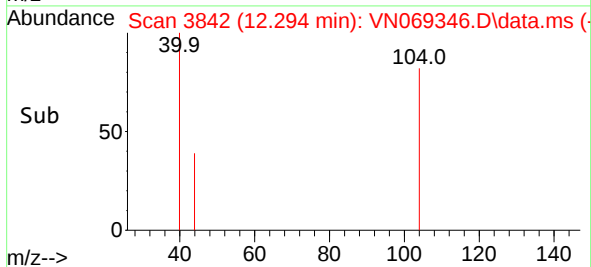
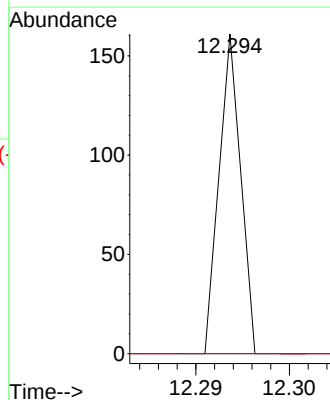
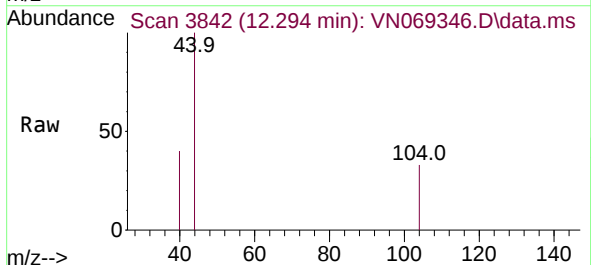
Instrument :
MSVOA_N
ClientSampleId :

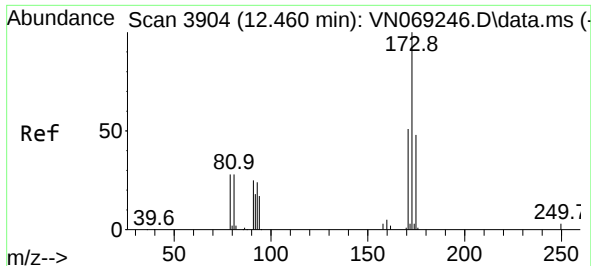
Tgt Ion:117 Resp: 514198
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 31.7 26.0 39.0



#70
Styrene
Concen: 1.458 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion:104 Resp: 26
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.4 66.6#

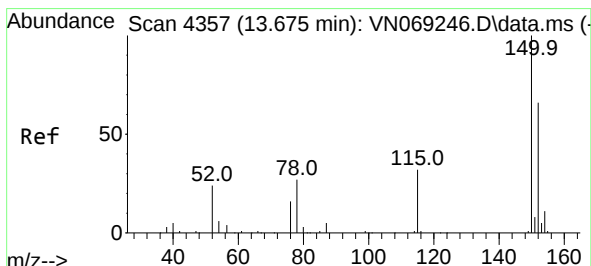
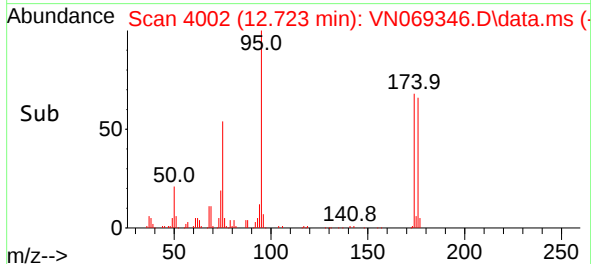
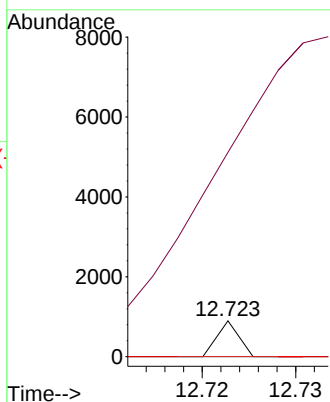
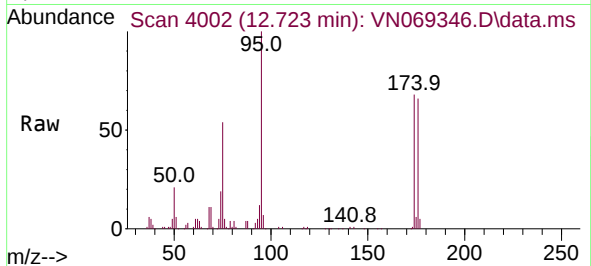




#71
Bromoform
Concen: 2.916 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

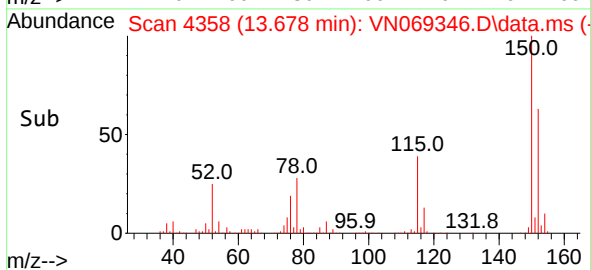
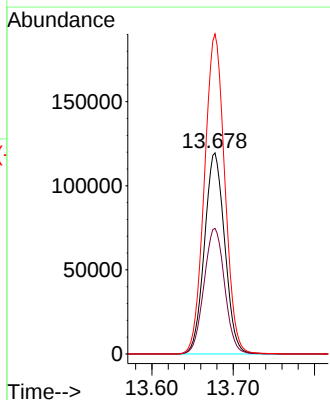
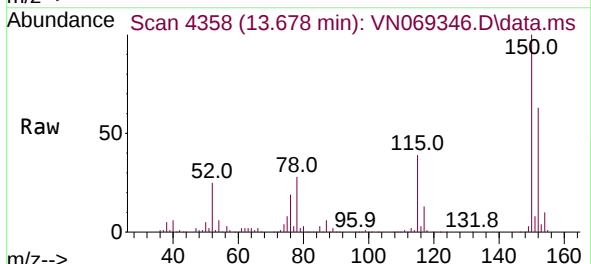
Instrument :
MSVOA_N
ClientSampleId :

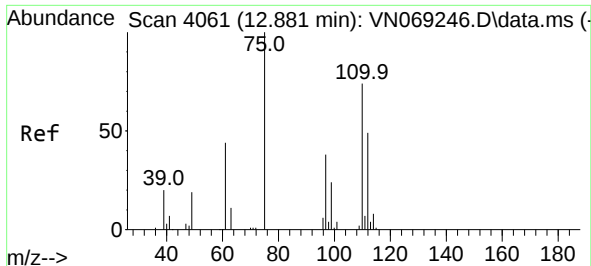
Tgt Ion:173 Resp: 144
Ion Ratio Lower Upper
173 100
175 8970.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

Tgt Ion:152 Resp: 207295
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 159.7 0.0 351.0

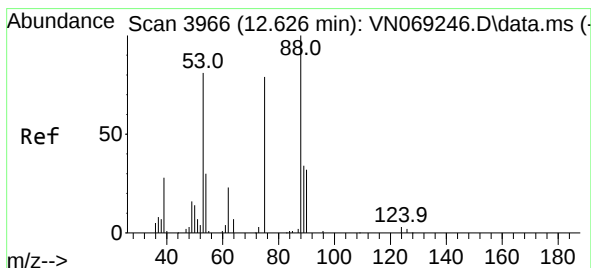
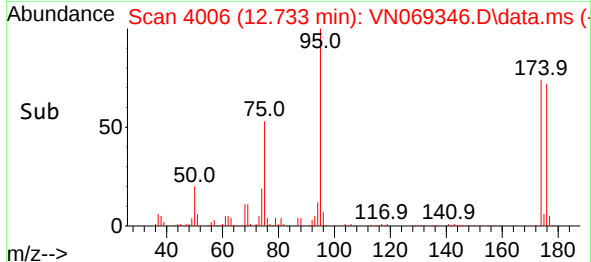
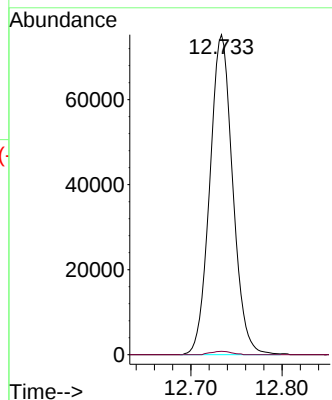
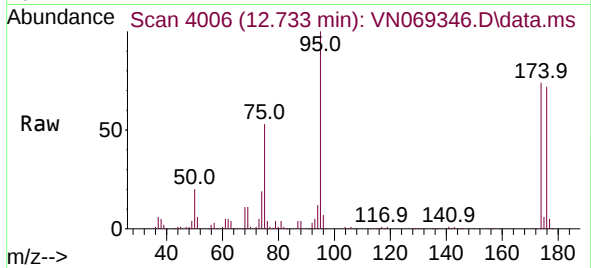




#76
1,2,3-Trichloropropane
Concen: 24.132 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

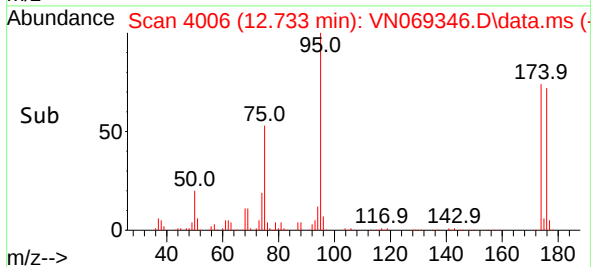
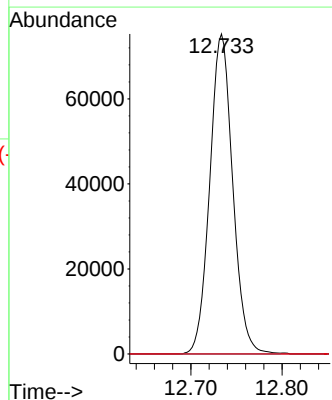
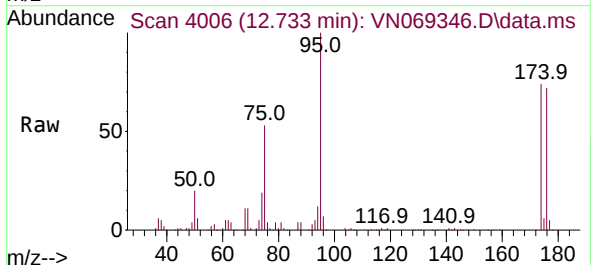
Instrument :
MSVOA_N
ClientSampleId :

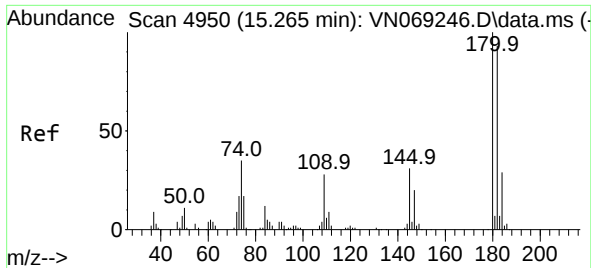
Tgt Ion: 75 Resp: 131569
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.265 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069346.D
Acq: 2 Nov 2021 14:16

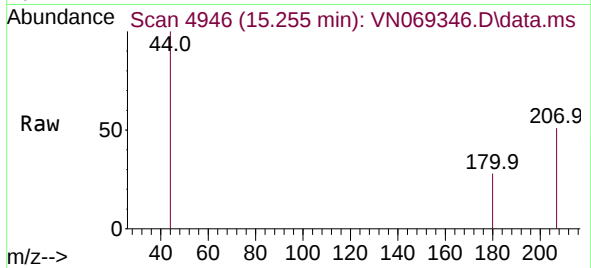
Tgt Ion: 75 Resp: 131569
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



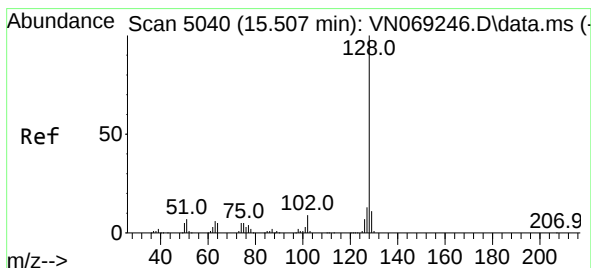
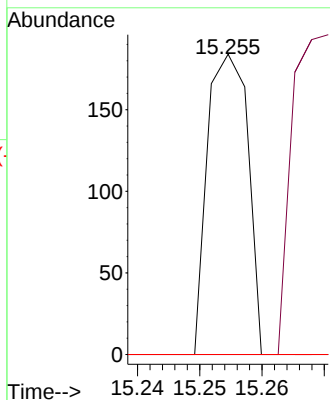
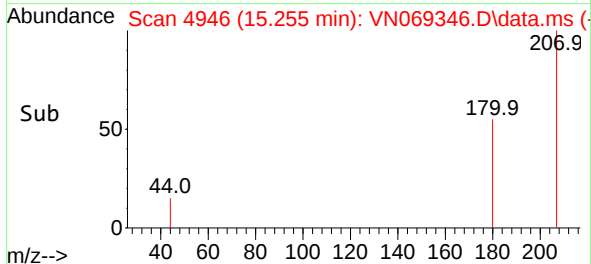


#93
 1,2,4-Trichlorobenzene
 Concen: 2.511 ug/l
 RT: 15.255 min Scan# 4946
 Delta R.T. -0.010 min
 Lab File: VN069346.D
 Acq: 2 Nov 2021 14:16

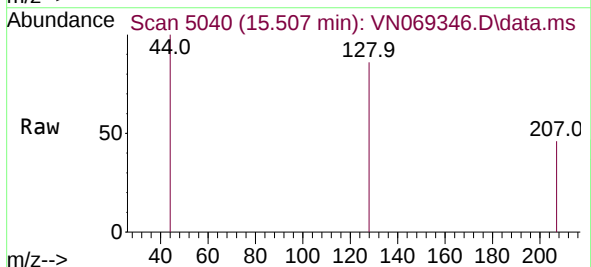
Instrument :
 MSVOA_N
 ClientSampleId :



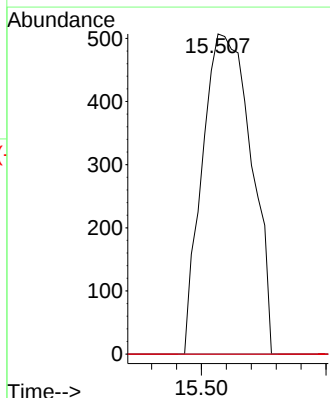
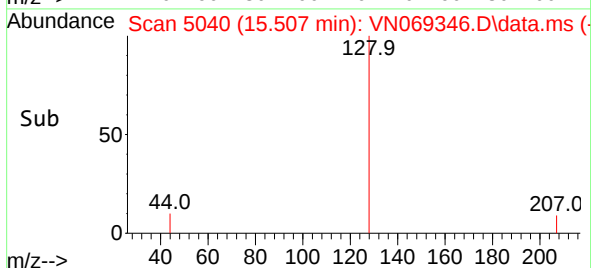
Tgt Ion:180 Resp: 83
 Ion Ratio Lower Upper
 180 100
 182 138.6 47.9 143.7
 145 0.0 16.4 49.2#

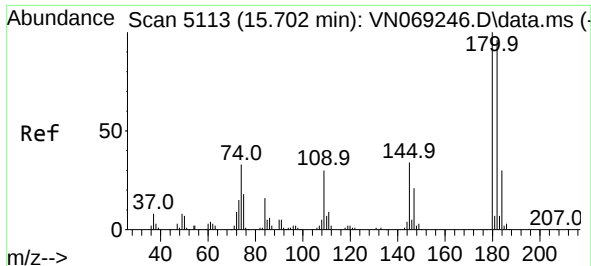


#95
 Naphthalene
 Concen: 3.370 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. -0.000 min
 Lab File: VN069346.D
 Acq: 2 Nov 2021 14:16



Tgt Ion:128 Resp: 692
 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: 2.229 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

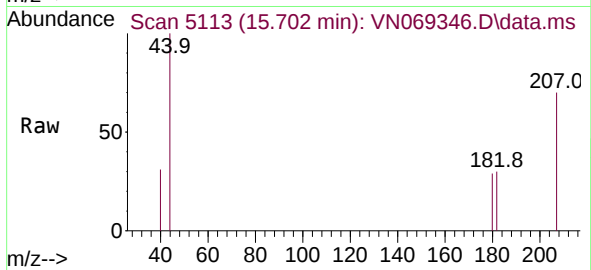
Lab File: VN069346.D

Acq: 2 Nov 2021 14:16

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 77

Ion Ratio Lower Upper

180 100

182 101.3 48.1 144.3

145 0.0 17.4 52.2#

