

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069300.D
 Acq On : 29 Oct 2021 14:47
 Operator : JC/MD
 Sample : M4338-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

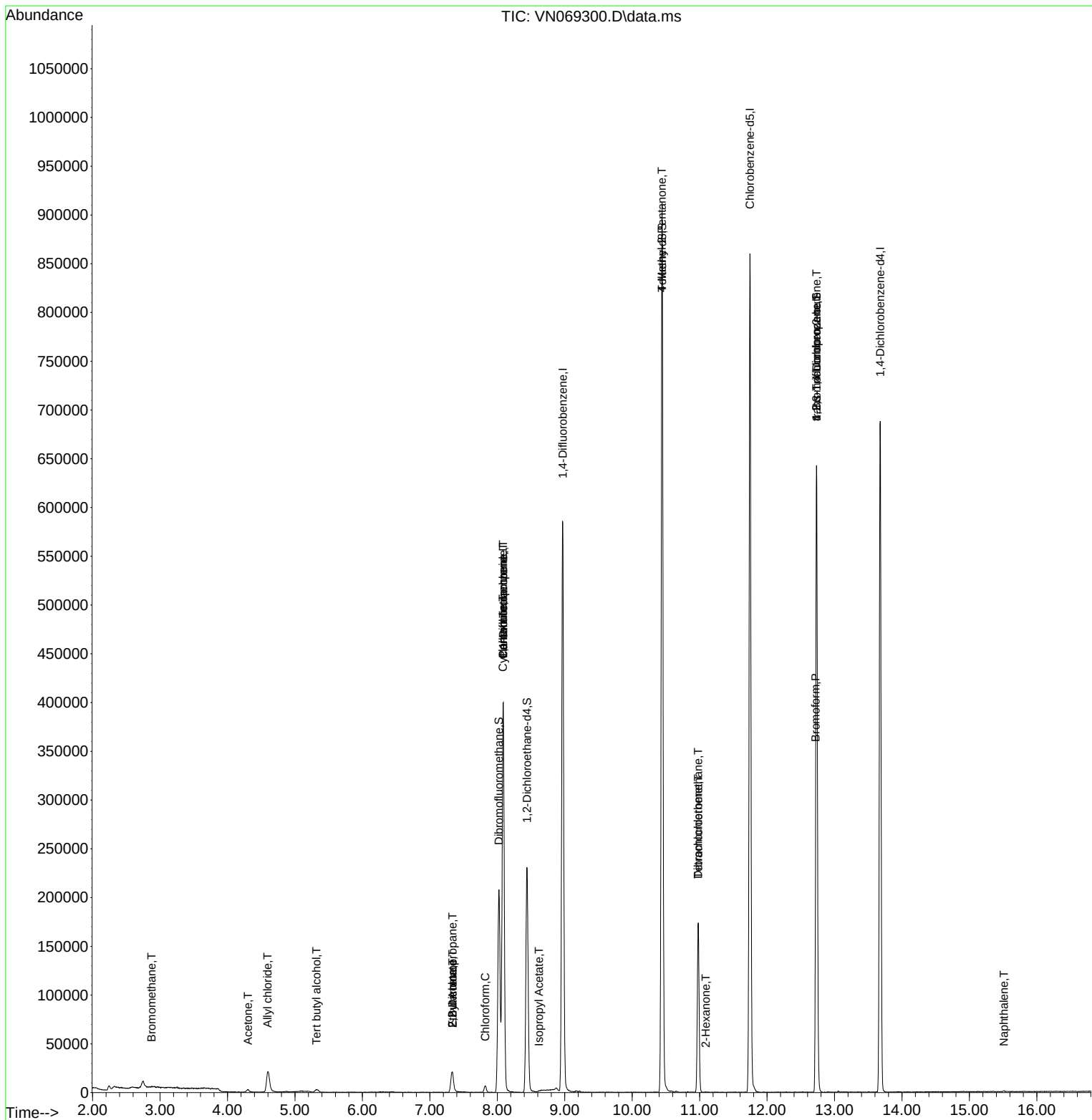
Instrument :
 MSVOA_N
 ClientSampleId :

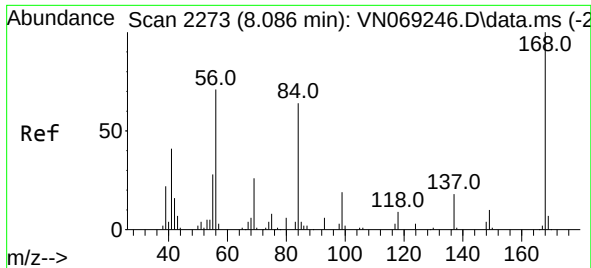
Quant Time: Oct 30 05:41:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	293103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	517901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	503690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	186922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	199859	47.236	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.480%
35) Dibromofluoromethane	8.024	113	150087	46.489	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.980%
50) Toluene-d8	10.443	98	645097	49.976	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.733	95	232131	47.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	520	Below Cal	#	42
5) Bromomethane	2.875	94	507	0.206	ug/l #	80
11) Tert butyl alcohol	5.318	59	1569	15.212	ug/l #	72
14) Allyl chloride	4.594	41	1974	0.423	ug/l #	1
16) Acetone	4.301	43	5104	2.831	ug/l	99
25) 2-Butanone	7.337	43	1152	2.048	ug/l #	48
26) 2,2-Dichloropropane	7.335	77	975	1.013	ug/l #	53
30) Chloroform	7.820	83	6918	1.142	ug/l	97
31) Cyclohexane	8.083	56	6630	1.171	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	24364	5.457	ug/l #	49
37) Ethyl Acetate	7.337	43	1152	0.226	ug/l #	2
38) Carbon Tetrachloride	8.086	117	31018	6.994	ug/l #	15
43) Isopropyl Acetate	8.617	43	746	0.542	ug/l #	55
51) 4-Methyl-2-Pentanone	10.440	43	3016	6.911	ug/l #	1
59) 2-Hexanone	11.092	43	219	8.048	ug/l #	25
60) Dibromochloromethane	10.979	129	38954	11.276	ug/l #	10
64) Tetrachloroethene	10.979	164	39037	12.133	ug/l	100
71) Bromoform	12.720	173	312	2.967	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	123007	25.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	123007	71.660	ug/l #	12
95) Naphthalene	15.512	128	1041	3.412	ug/l #	69

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

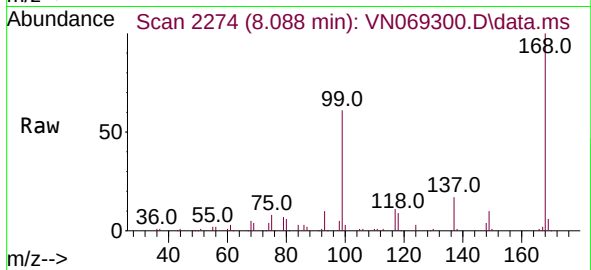
Quant Time: Oct 30 05:41:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration



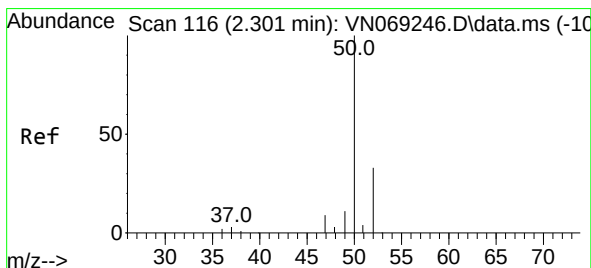
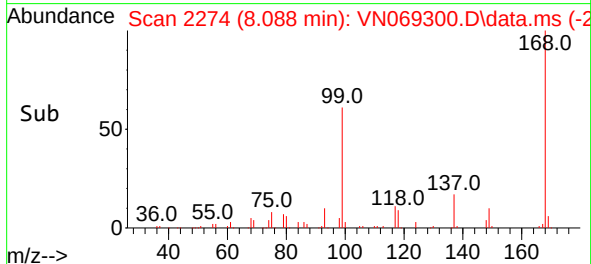
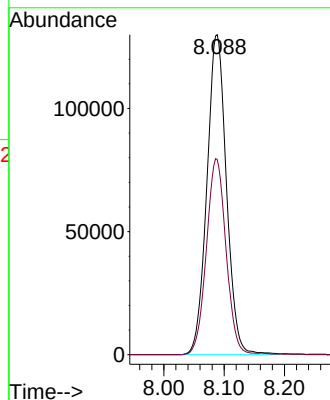


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :

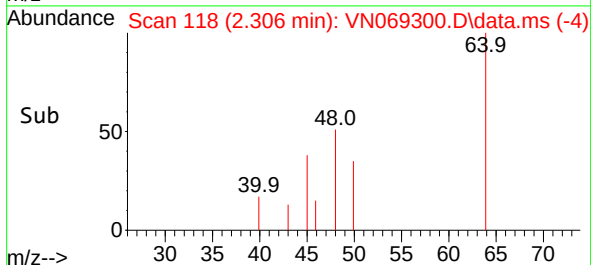
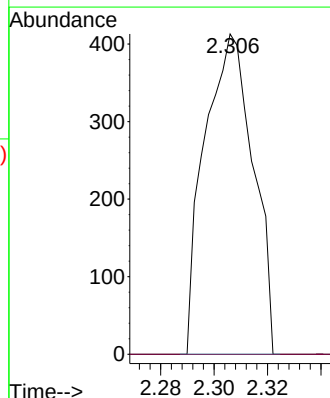
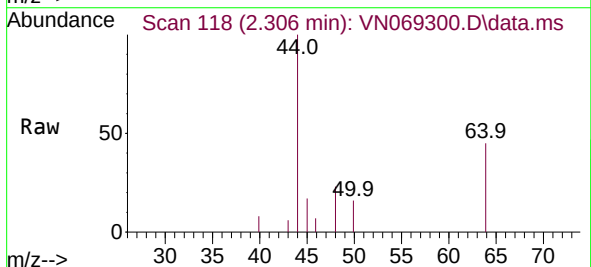


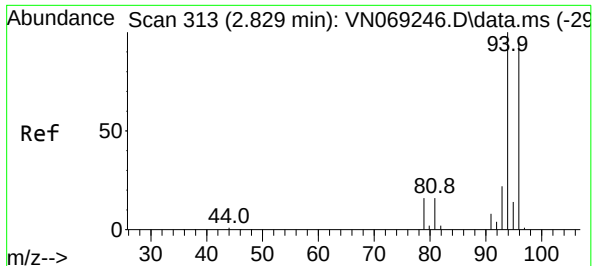
Tgt Ion:168 Resp: 293103
Ion Ratio Lower Upper
168 100
99 61.1 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 50 Resp: 520
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

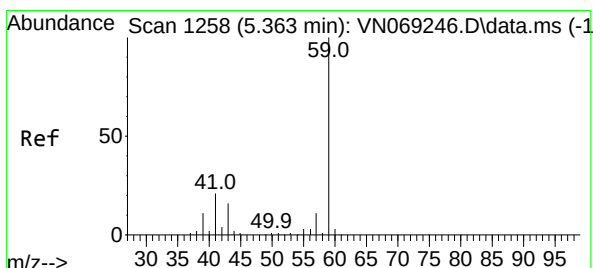
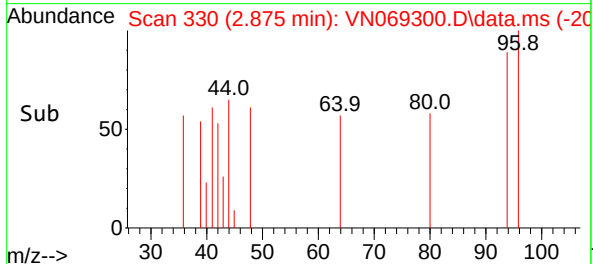
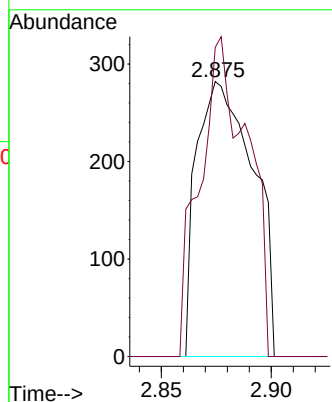
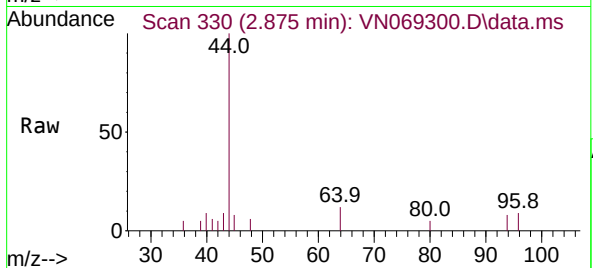




#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.875 min Scan# 31
Delta R.T. 0.046 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

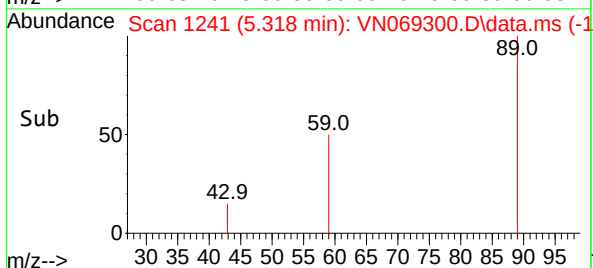
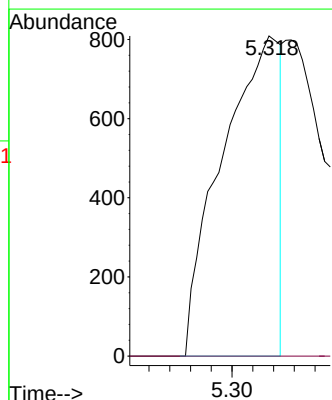
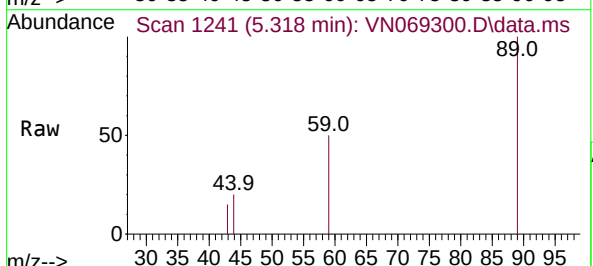
Instrument :
MSVOA_N
ClientSampleId :

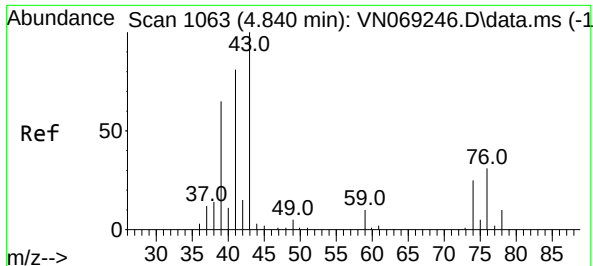
Tgt Ion: 94 Resp: 507
Ion Ratio Lower Upper
94 100
96 112.4 74.2 111.4#



#11
Tert butyl alcohol
Concen: 15.212 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.045 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 59 Resp: 1569
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.423 ug/l

RT: 4.594 min Scan# 91

Delta R.T. -0.246 min

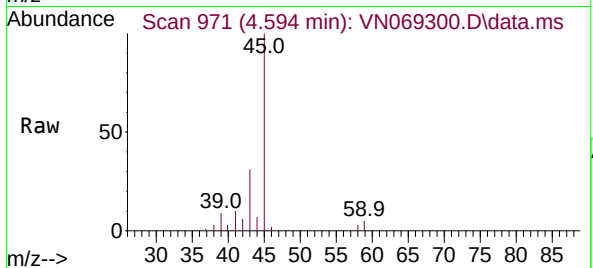
Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

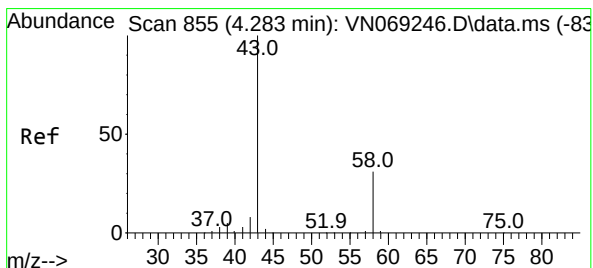
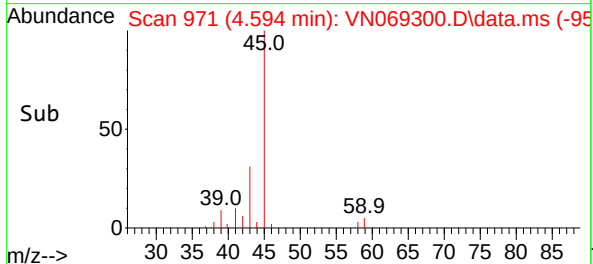
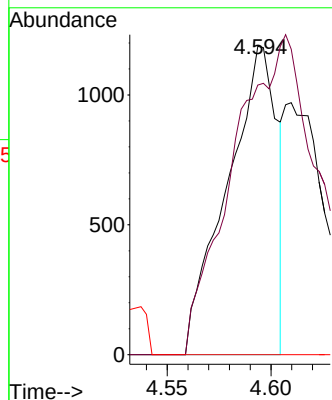
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	1974
Ion	Ratio	Lower	Upper
41	100		
39	189.4	55.6	83.4#
76	0.0	26.4	39.6#



#16

Acetone

Concen: 2.831 ug/l

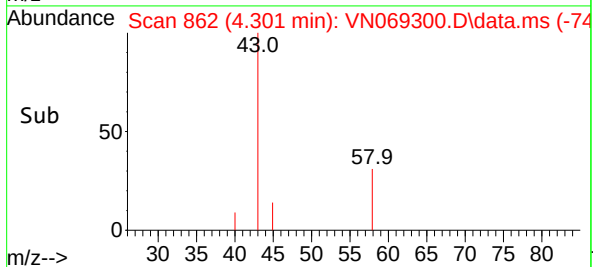
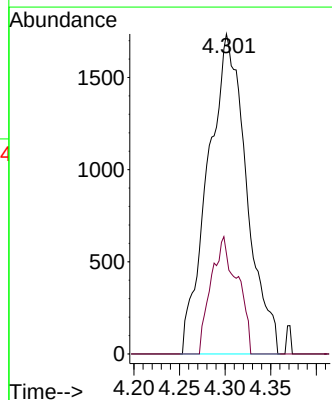
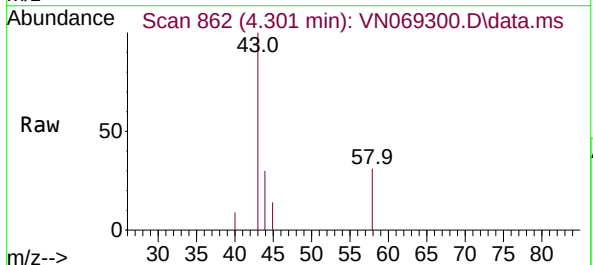
RT: 4.301 min Scan# 862

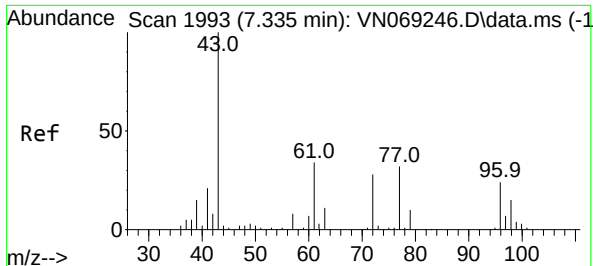
Delta R.T. 0.018 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Tgt Ion:	43	Resp:	5104
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.5	36.7





#25

2-Butanone

Concen: 2.048 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. 0.002 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Instrument :

MSVOA_N

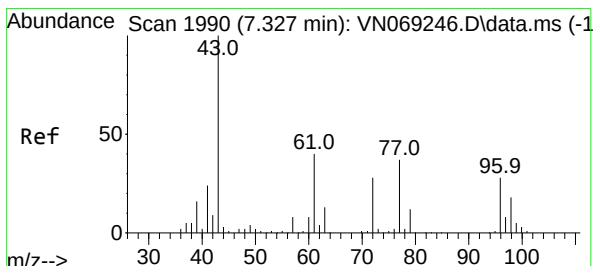
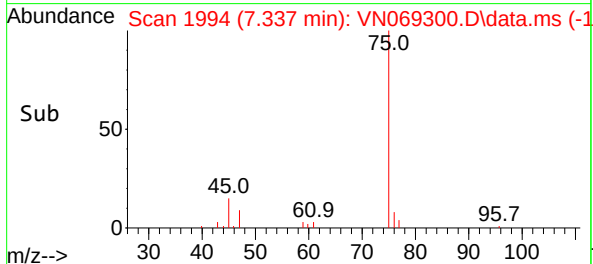
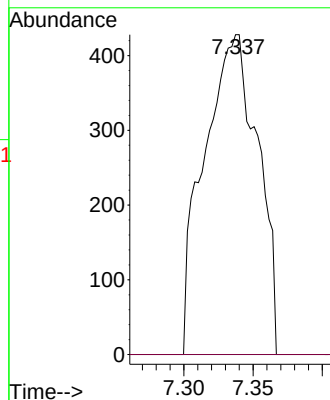
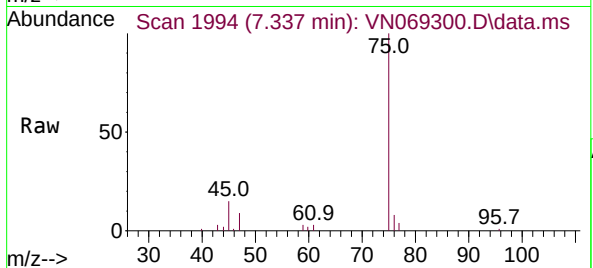
ClientSampleId :

Tgt Ion: 43 Resp: 1152

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#26

2,2-Dichloropropane

Concen: 1.013 ug/l

RT: 7.335 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN069300.D

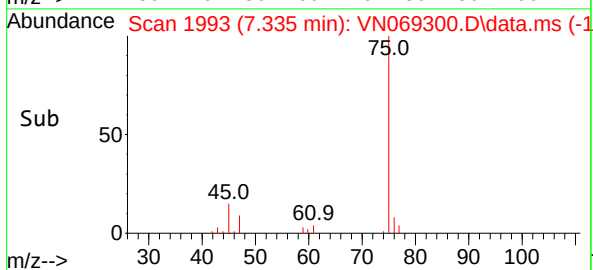
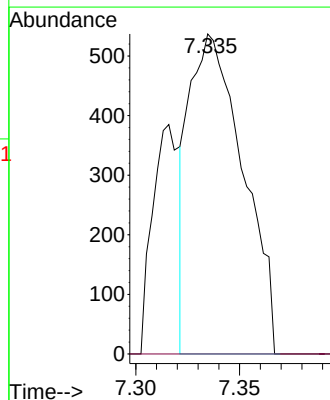
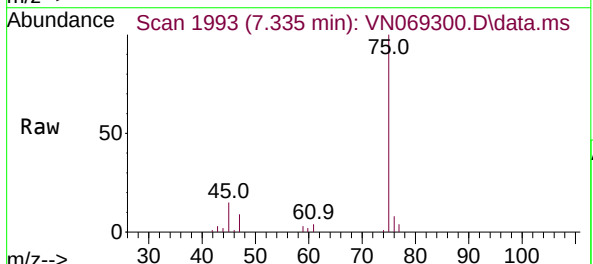
Acq: 29 Oct 2021 14:47

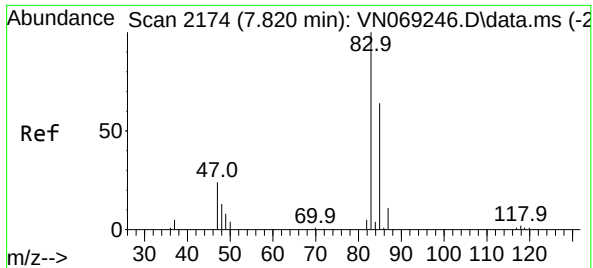
Tgt Ion: 77 Resp: 975

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#





#30

Chloroform

Concen: 1.142 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Instrument :

MSVOA_N

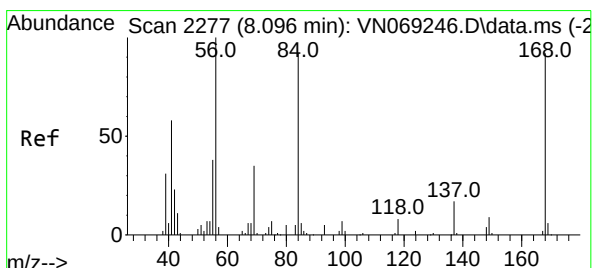
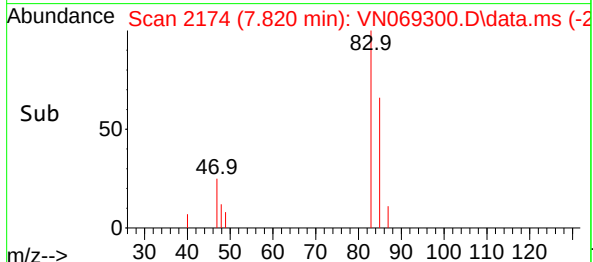
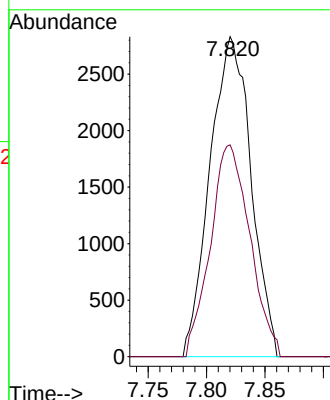
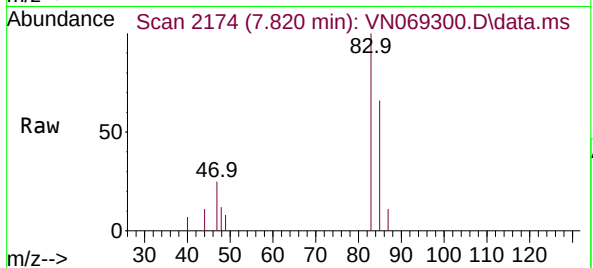
ClientSampleId :

Tgt Ion: 83 Resp: 6918

Ion Ratio Lower Upper

83 100

85 66.2 51.1 76.7



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.013 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

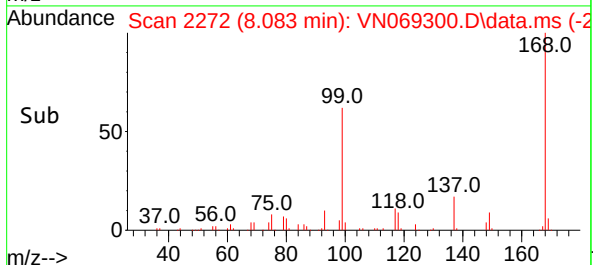
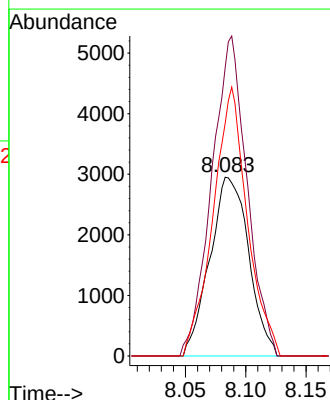
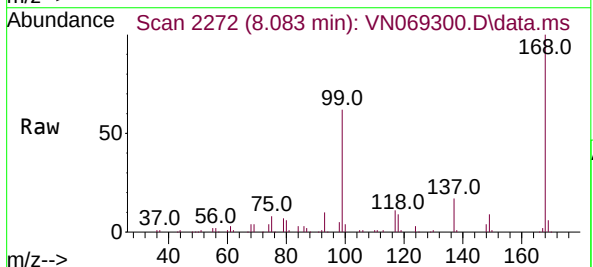
Tgt Ion: 56 Resp: 6630

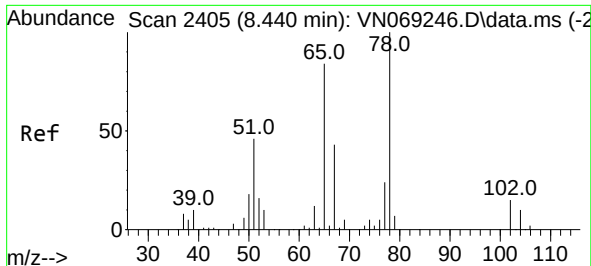
Ion Ratio Lower Upper

56 100

69 161.3 26.9 40.3#

84 130.1 67.6 101.4#

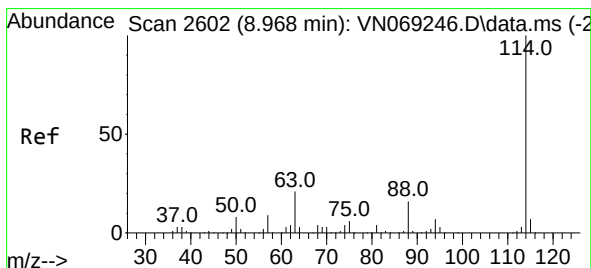
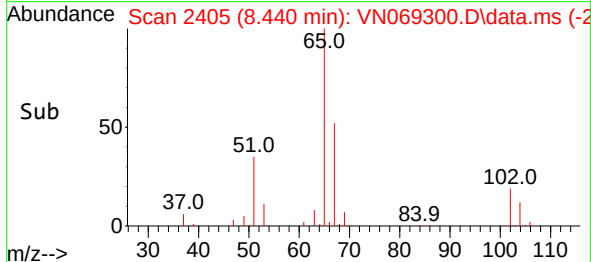
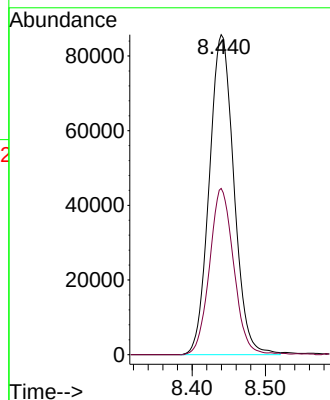
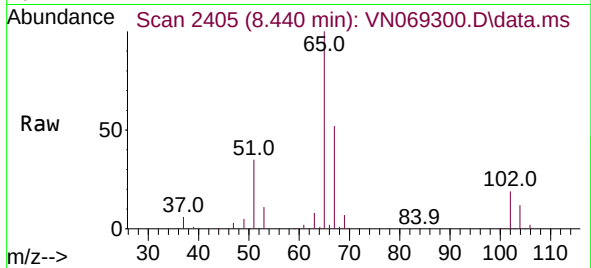




#33
 1,2-Dichloroethane-d4
 Concen: 47.236 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069300.D
 Acq: 29 Oct 2021 14:47

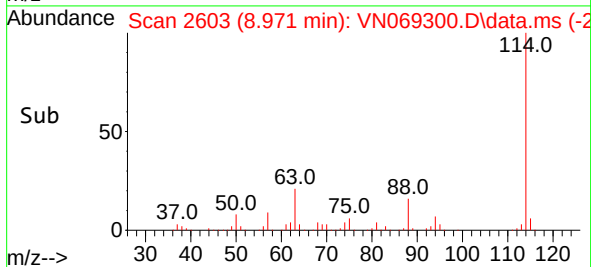
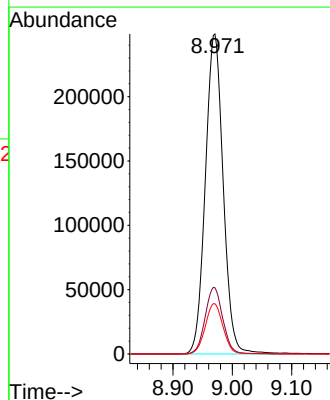
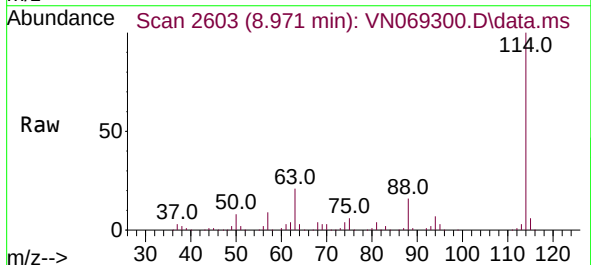
Instrument :
 MSVOA_N
 ClientSampleId :

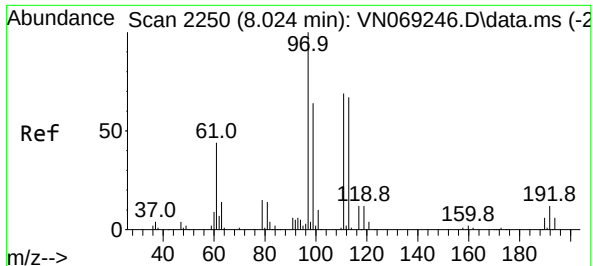
Tgt Ion: 65 Resp: 199859
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069300.D
 Acq: 29 Oct 2021 14:47

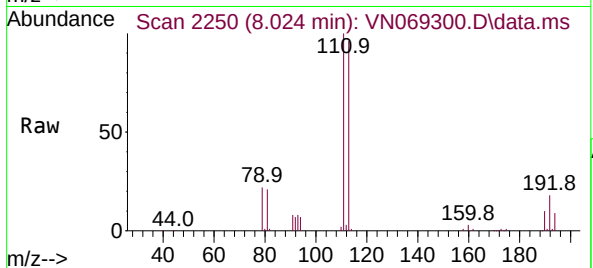
Tgt Ion: 114 Resp: 517901
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 15.7 0.0 32.0



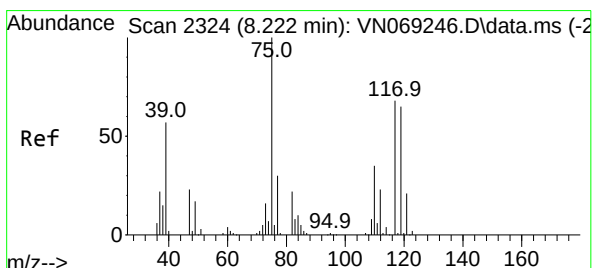
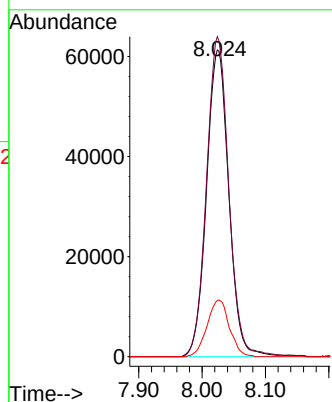
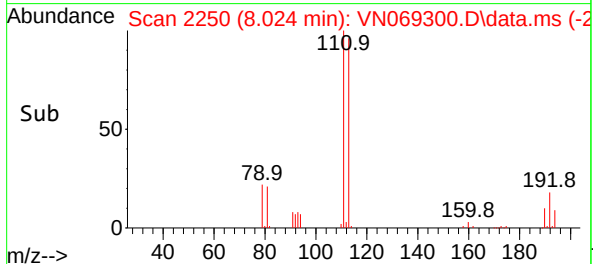


#35
Dibromofluoromethane
Concen: 46.489 ug/l
RT: 8.024 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Instrument :
MSVOA_N
ClientSampleId :

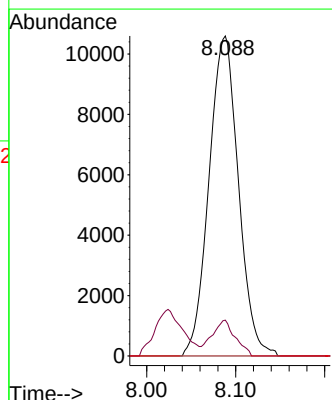
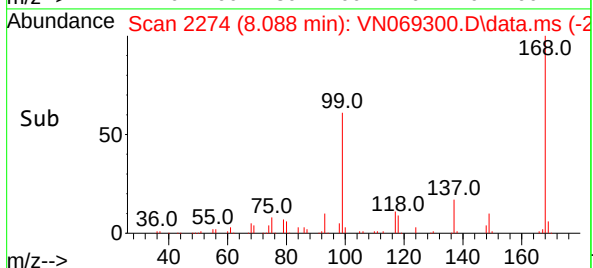
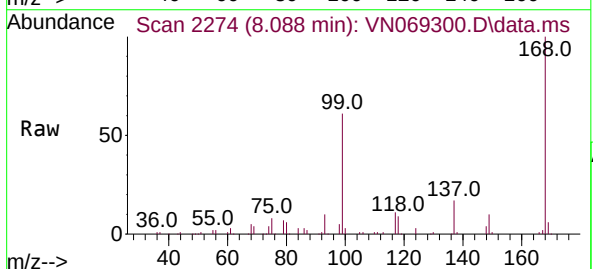


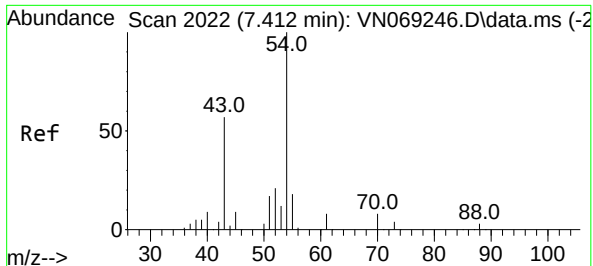
Tgt Ion:113 Resp: 150087
Ion Ratio Lower Upper
113 100
111 104.4 83.2 124.8
192 18.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.457 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 75 Resp: 24364
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#

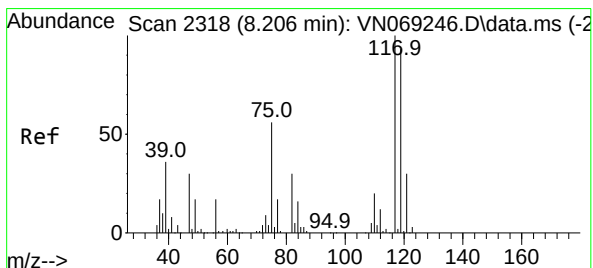
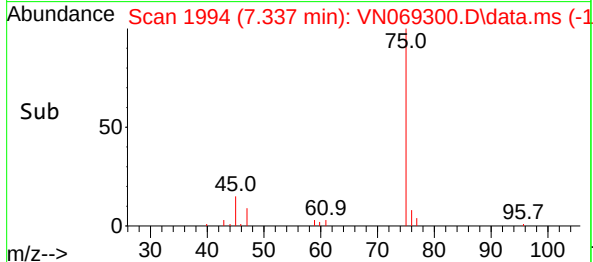
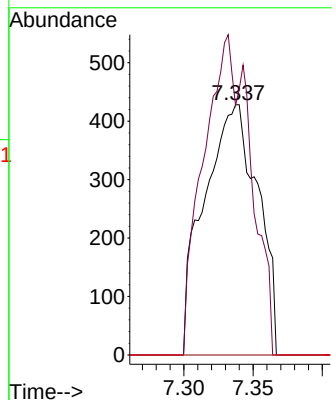
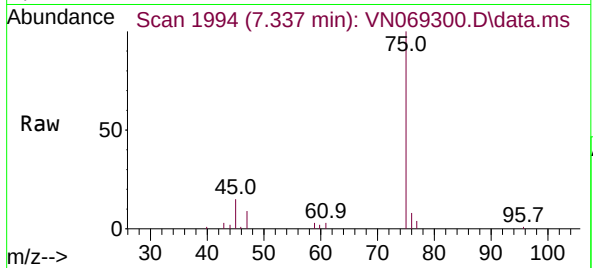




#37
Ethyl Acetate
Concen: 0.226 ug/l
RT: 7.337 min Scan# 19
Delta R.T. -0.075 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

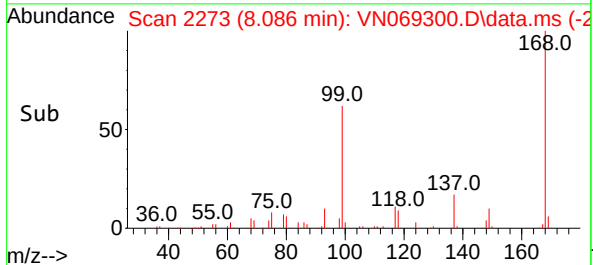
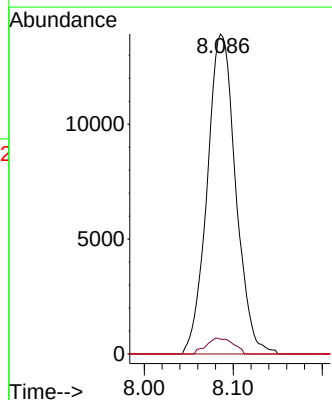
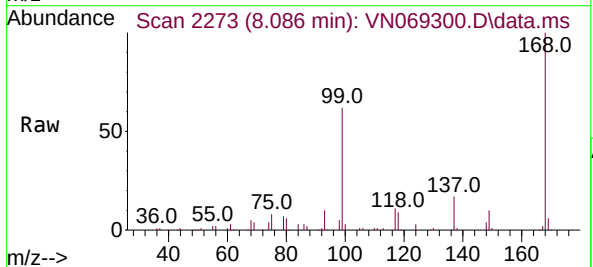
Instrument :
MSVOA_N
ClientSampleId :

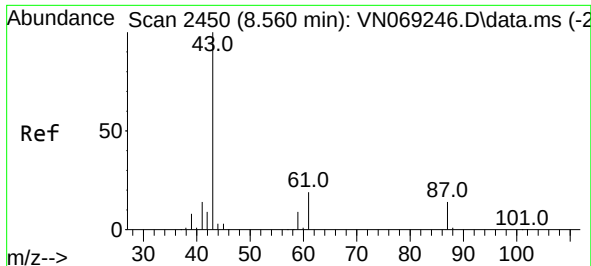
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
61 75.1 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.994 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 117 Resp: 31018
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.542 ug/l

RT: 8.617 min Scan# 2450

Delta R.T. 0.057 min

Lab File: VN069300.D

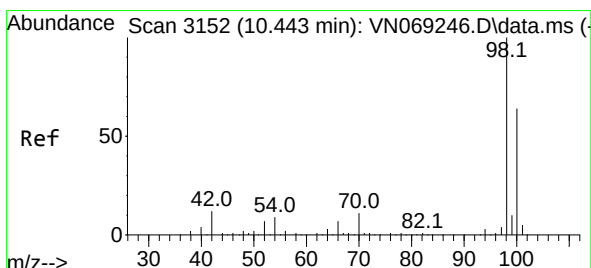
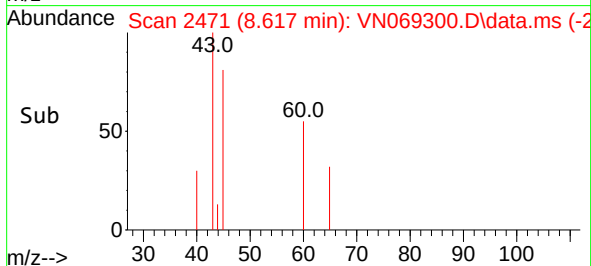
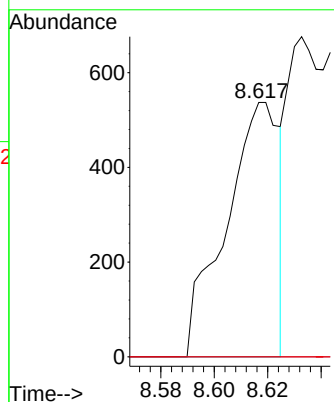
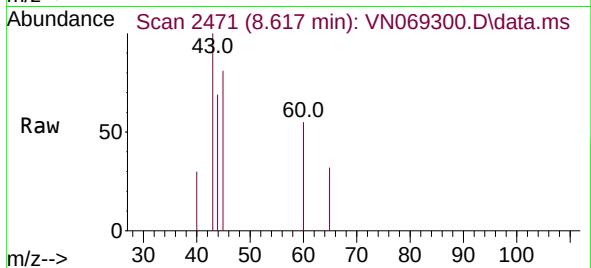
Acq: 29 Oct 2021 14:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 746
Ion Ratio	Lower Upper
43	100
61	0.0 20.4 30.6#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 49.976 ug/l

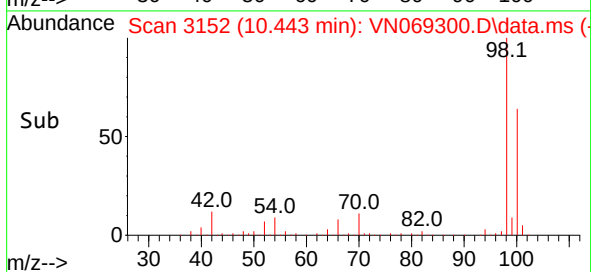
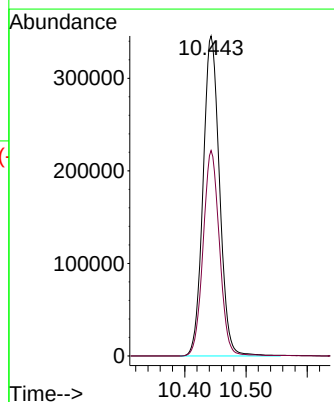
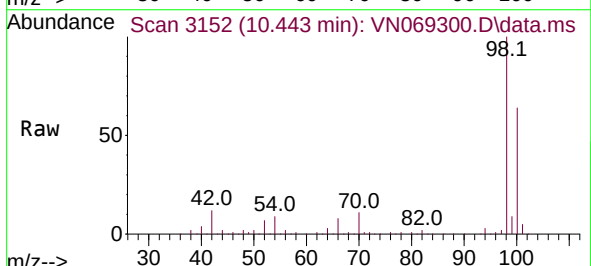
RT: 10.443 min Scan# 3152

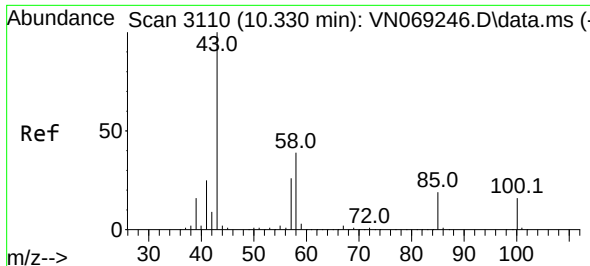
Delta R.T. 0.000 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Tgt Ion: 98	Resp: 645097
Ion Ratio	Lower Upper
98	100
100	63.7 51.5 77.3

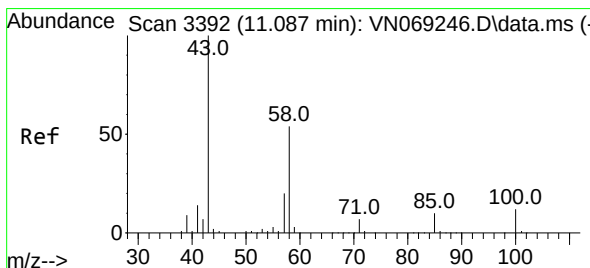
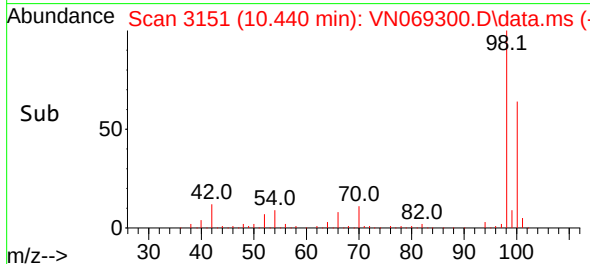
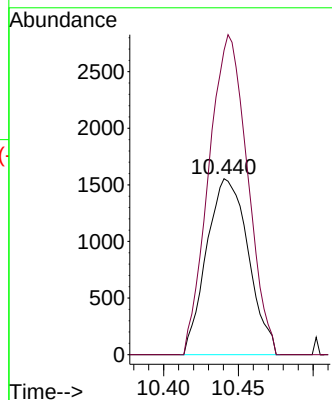
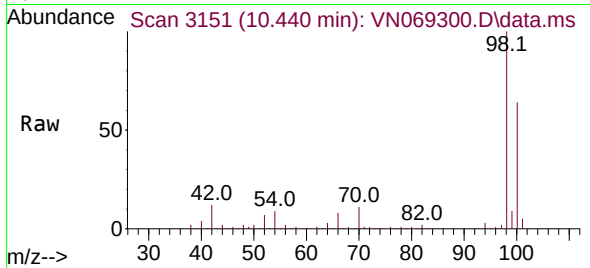




#51
4-Methyl-2-Pentanone
Concen: 6.911 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.110 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

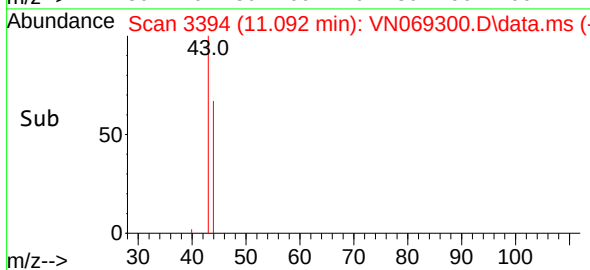
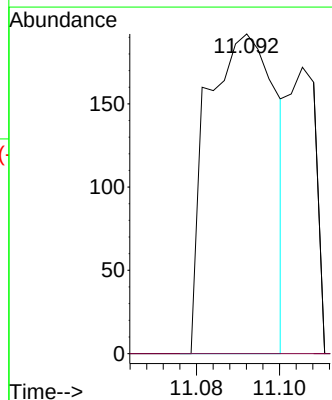
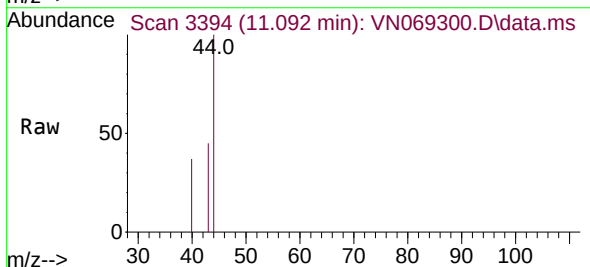
Instrument :
MSVOA_N
ClientSampleId :

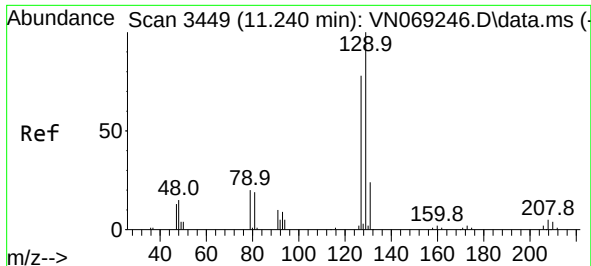
Tgt Ion: 43 Resp: 3016
Ion Ratio Lower Upper
43 100
58 169.0 31.0 46.4#



#59
2-Hexanone
Concen: 8.048 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

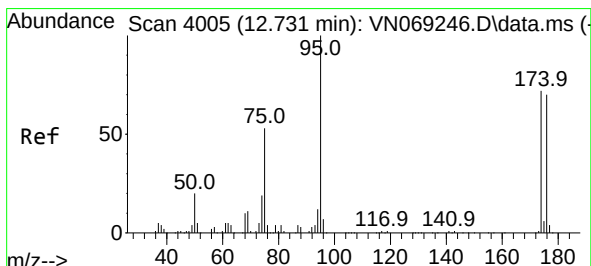
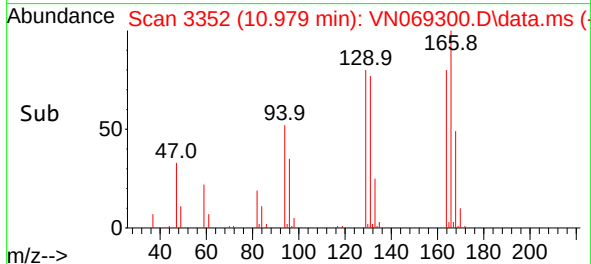
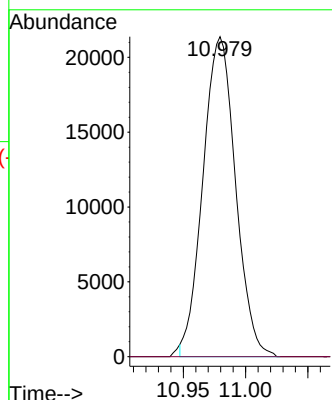
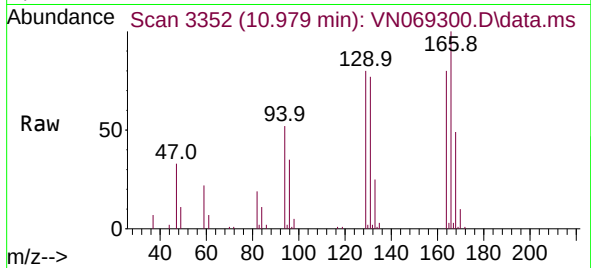




#60
Dibromochloromethane
Concen: 11.276 ug/l
RT: 10.979 min Scan# 311
Delta R.T. -0.261 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

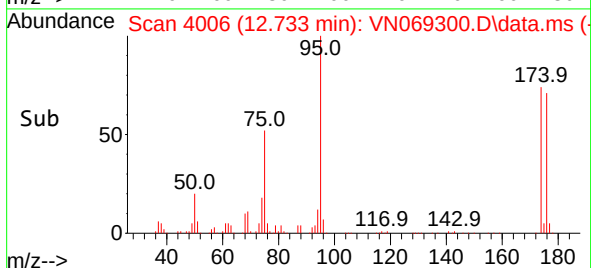
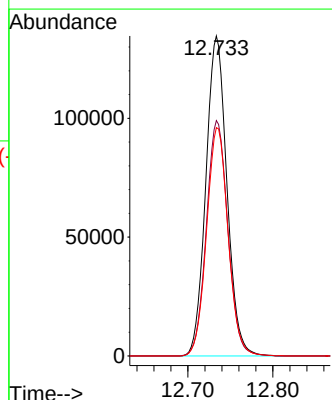
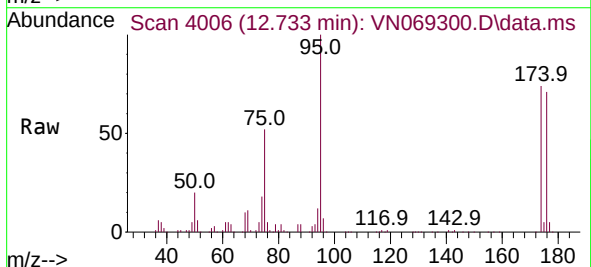
Instrument :
MSVOA_N
ClientSampleId :

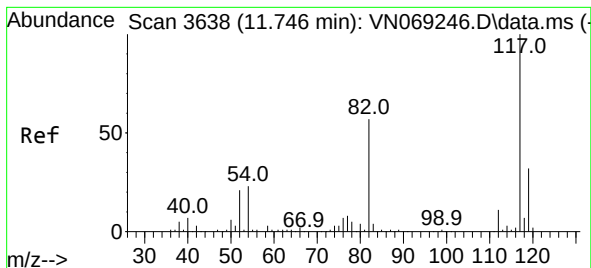
Tgt Ion:129 Resp: 38954
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 47.656 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 95 Resp: 232131
Ion Ratio Lower Upper
95 100
174 75.1 0.0 144.8
176 72.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 3

Delta R.T. 0.000 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Instrument :

MSVOA_N

ClientSampleId :

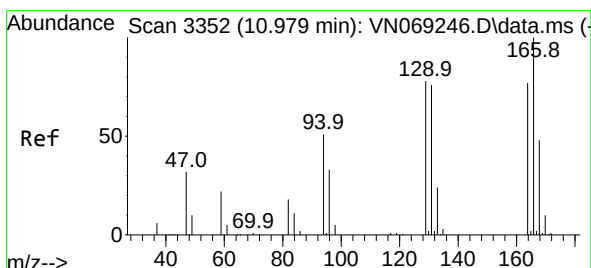
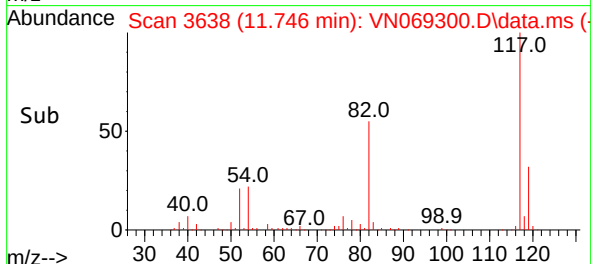
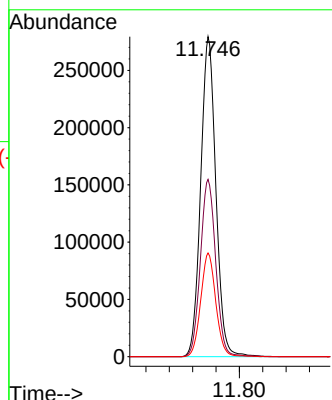
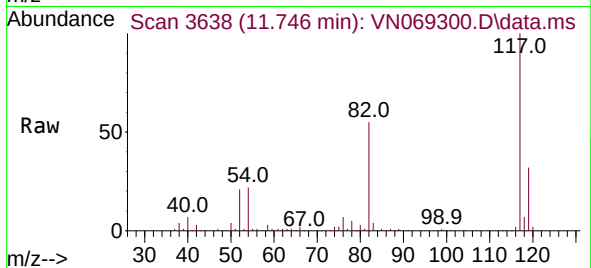
Tgt Ion:117 Resp: 503690

Ion Ratio Lower Upper

117 100

82 55.4 46.4 69.6

119 32.4 26.0 39.0



#64

Tetrachloroethene

Concen: 12.133 ug/l

RT: 10.979 min Scan# 3352

Delta R.T. 0.000 min

Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Tgt Ion:164 Resp: 39037

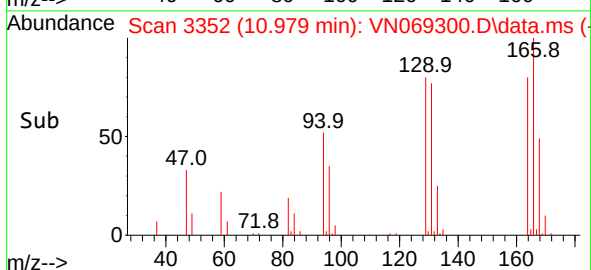
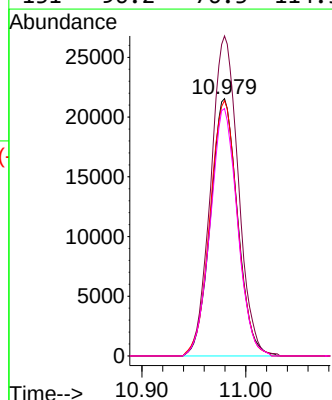
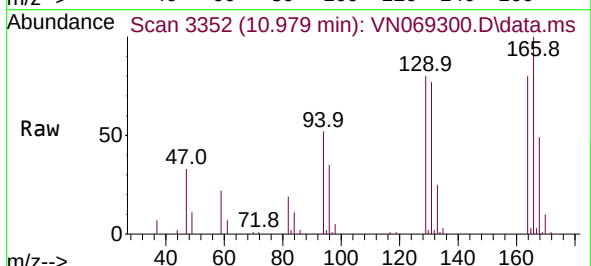
Ion Ratio Lower Upper

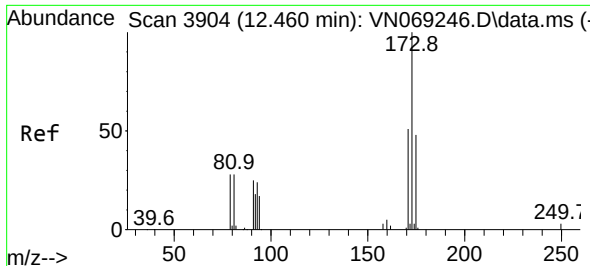
164 100

166 124.4 99.8 149.8

129 99.3 79.2 118.8

131 96.2 76.3 114.5

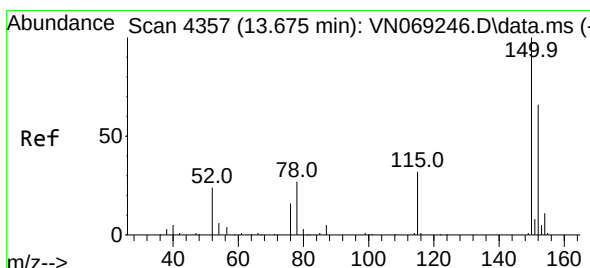
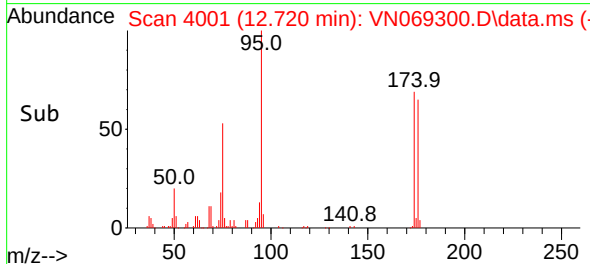
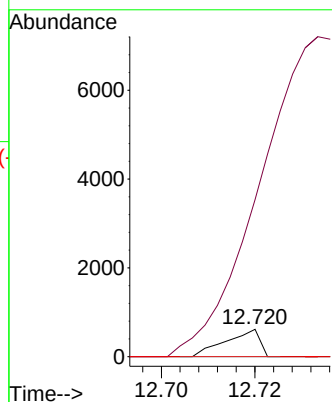
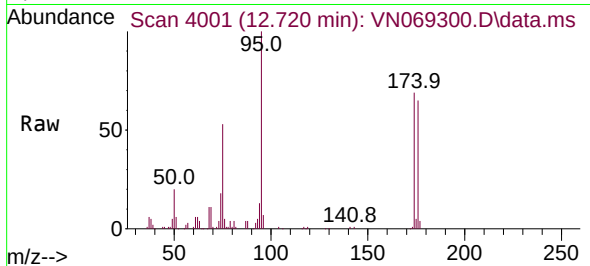




#71
Bromoform
Concen: 2.967 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

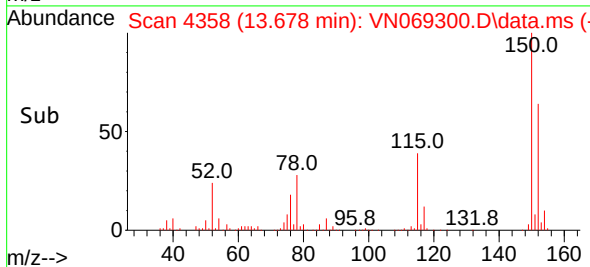
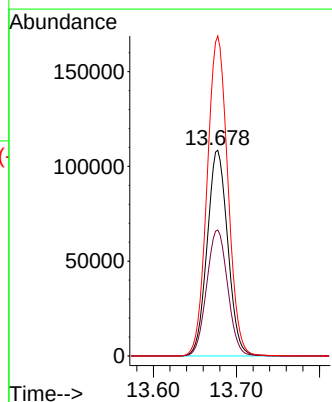
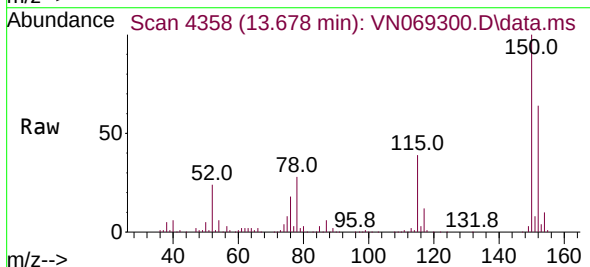
Instrument :
MSVOA_N
ClientSampleId :

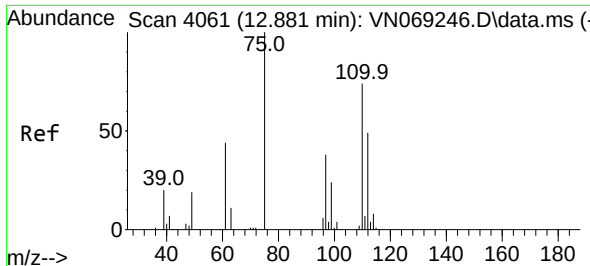
Tgt Ion:173 Resp: 312
Ion Ratio Lower Upper
173 100
175 3760.3 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion:152 Resp: 186922
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.3
150 156.1 0.0 351.0

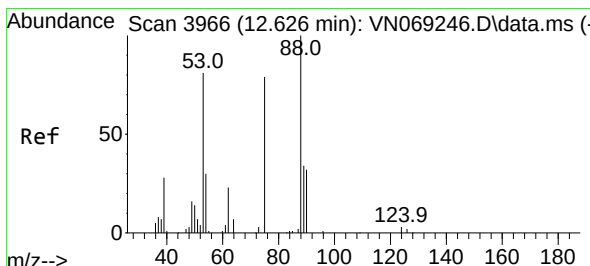
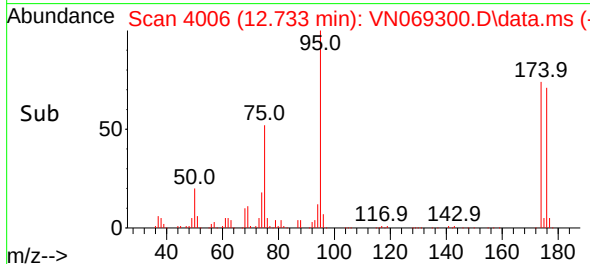
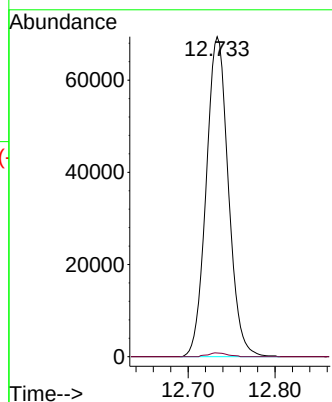
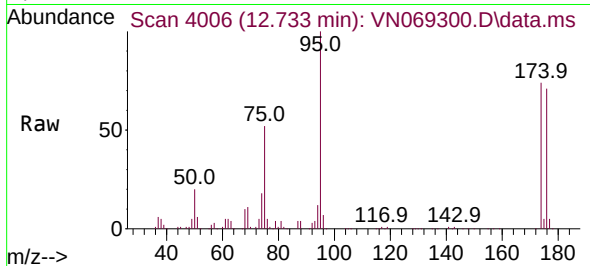




#76
1,2,3-Trichloropropane
Concen: 25.021 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

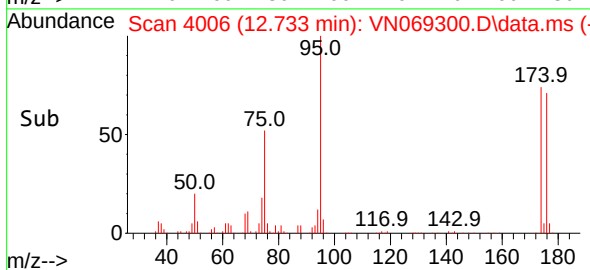
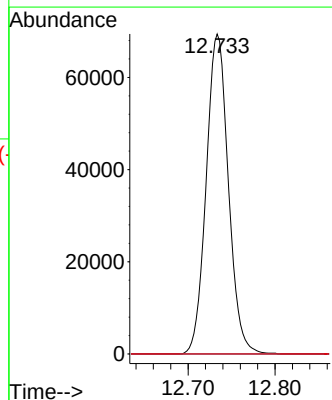
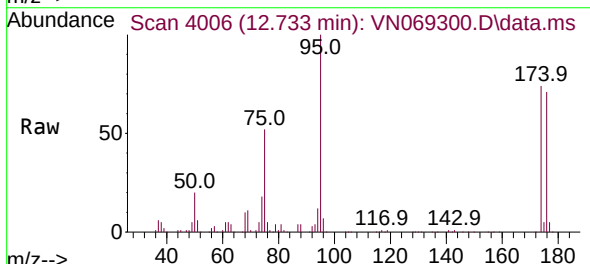
Instrument :
MSVOA_N
ClientSampleId :

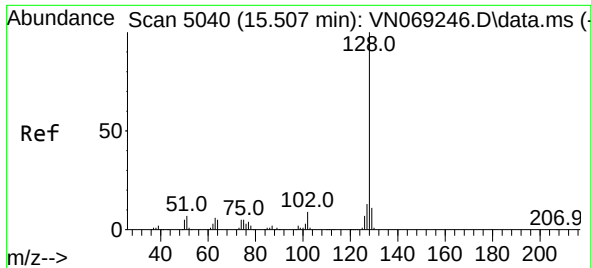
Tgt Ion: 75 Resp: 123007
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.660 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069300.D
Acq: 29 Oct 2021 14:47

Tgt Ion: 75 Resp: 123007
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 3.412 ug/l

RT: 15.512 min Scan# 50

Delta R.T. 0.005 min

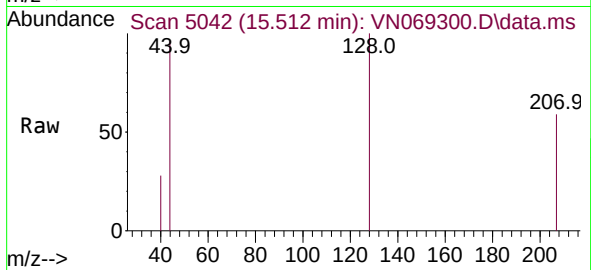
Lab File: VN069300.D

Acq: 29 Oct 2021 14:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 1041

Ion	Ratio	Lower	Upper
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128	100		
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127	0.0	10.5	15.7#
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129	0.0	8.9	13.3#
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