

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069060.D
 Acq On : 20 Oct 2021 14:30
 Operator : JC/MD
 Sample : M4259-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:14:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

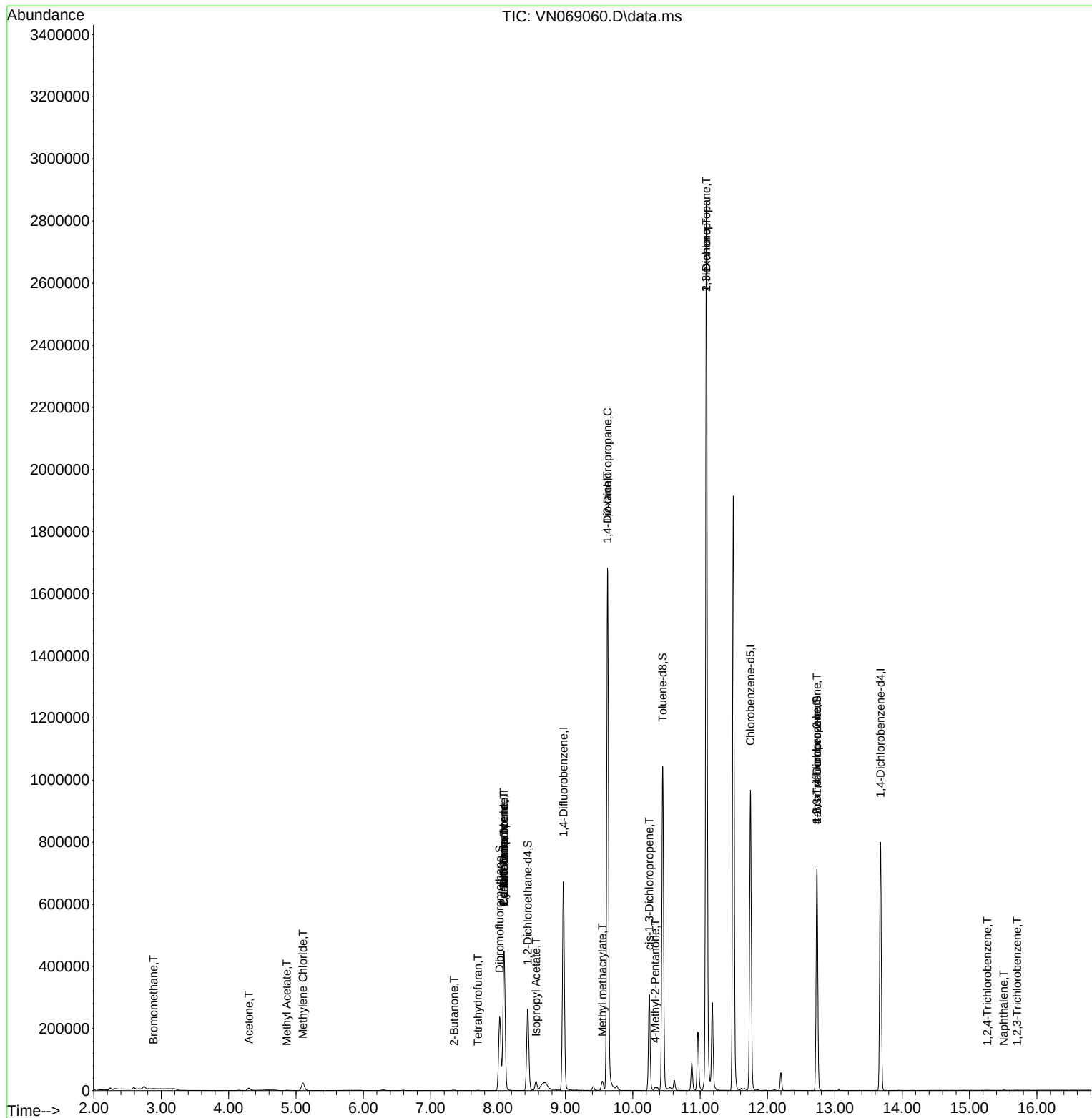
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	339789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	594798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	569798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	212514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222957	49.767	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.540%
35) Dibromofluoromethane	8.024	113	175783	50.796	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.600%
50) Toluene-d8	10.443	98	743393	53.689	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.380%
62) 4-Bromofluorobenzene	12.734	95	258856	49.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.883	94	698	0.301	ug/l	99
16) Acetone	4.299	43	14605	8.736	ug/l	100
18) Methyl Acetate	4.865	43	3119	0.492	ug/l #	81
20) Methylene Chloride	5.103	84	20651	5.367	ug/l	94
25) 2-Butanone	7.345	43	3696	1.462	ug/l	93
29) Tetrahydrofuran	7.702	42	802	0.489	ug/l #	41
31) Cyclohexane	8.088	56	8046	1.155	ug/l #	7
36) 1,1-Dichloropropene	8.088	75	27990	5.509	ug/l #	49
38) Carbon Tetrachloride	8.088	117	34798	6.236	ug/l #	15
43) Isopropyl Acetate	8.563	43	35549	3.840	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	1941	0.484	ug/l #	43
48) Methyl methacrylate	9.550	41	7853	1.805	ug/l #	13
49) 1,4-Dioxane	9.622	88	155	37.397	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	3642	0.678	ug/l #	51
54) cis-1,3-Dichloropropene	10.245	75	58509	8.743	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	31223	4.825	ug/l #	42
59) 2-Hexanone	11.092	43	438138	113.811	ug/l #	50
76) 1,2,3-Trichloropropane	12.734	75	135951	30.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	135951	71.932	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	300	2.681	ug/l #	76
95) Naphthalene	15.507	128	1767	3.977	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.705	180	168	2.561	ug/l #	5

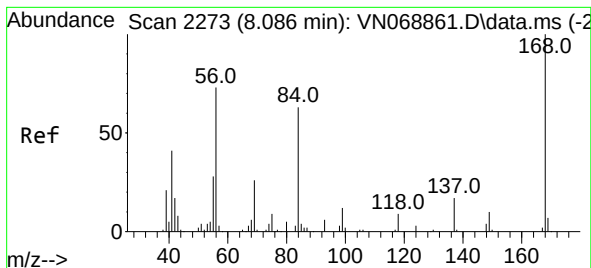
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 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: VN069060.D

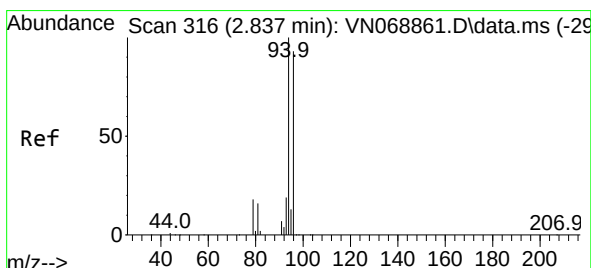
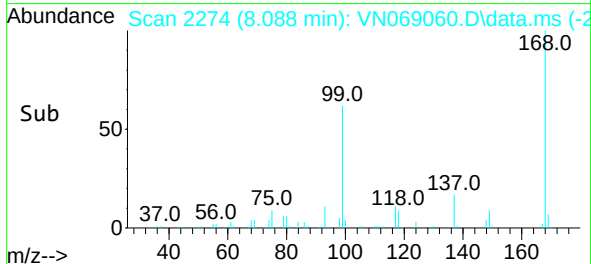
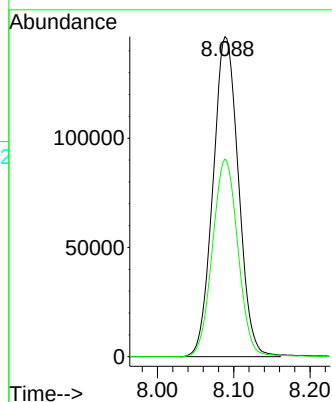
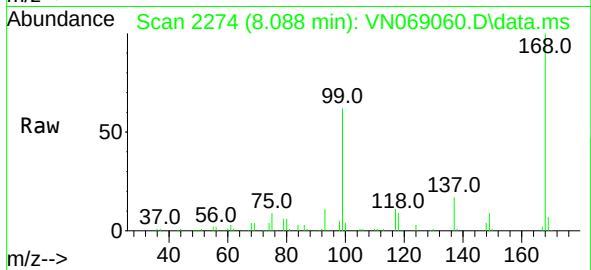
Acq: 20 Oct 2021 14:30

Tgt Ion:168 Resp: 339789

Ion Ratio Lower Upper

168 100

99 61.8 48.9 73.3



#5

Bromomethane

Concen: 0.301 ug/l

RT: 2.883 min Scan# 333

Delta R.T. 0.046 min

Lab File: VN069060.D

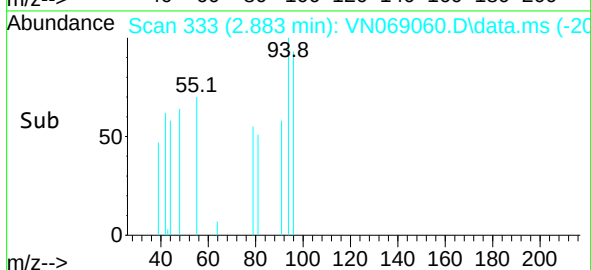
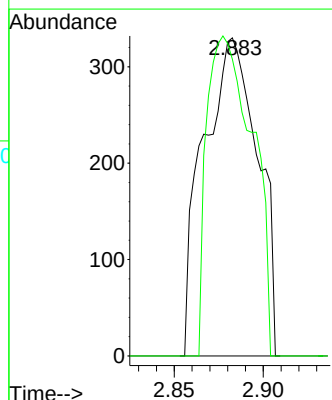
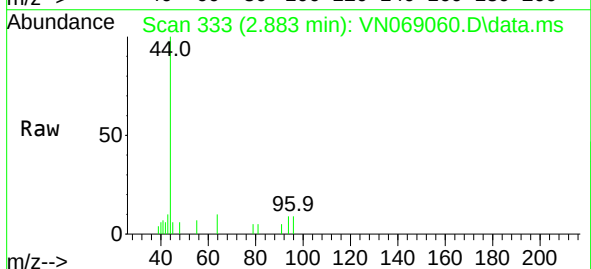
Acq: 20 Oct 2021 14:30

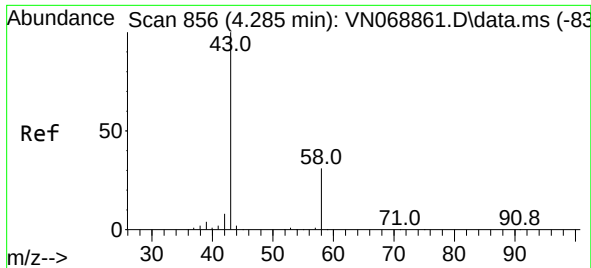
Tgt Ion: 94 Resp: 698

Ion Ratio Lower Upper

94 100

96 93.3 74.2 111.4

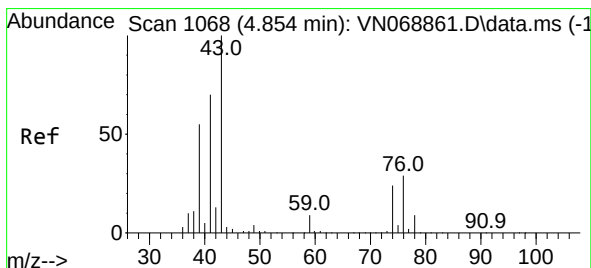
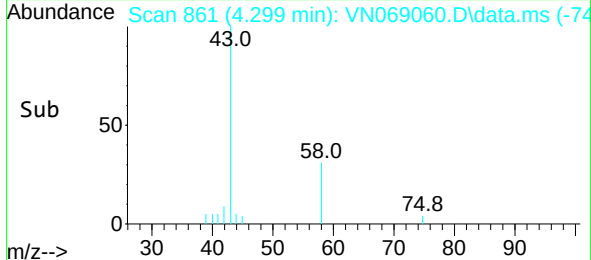
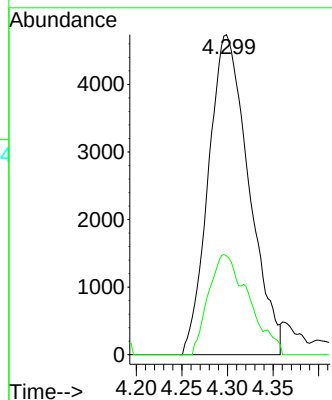
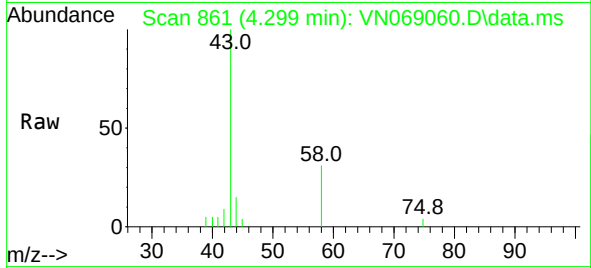




#16
Acetone
Concen: 8.736 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

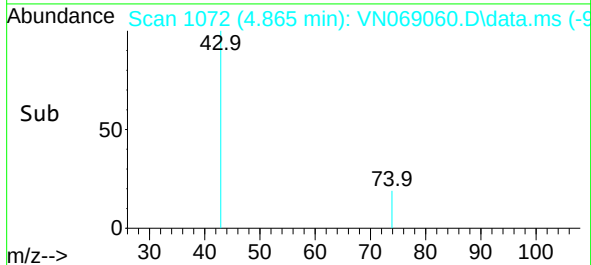
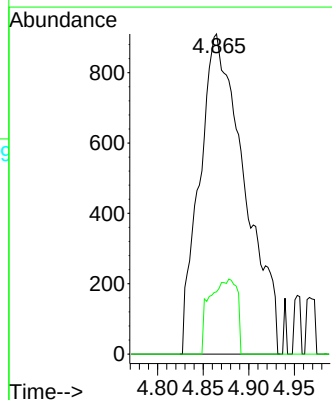
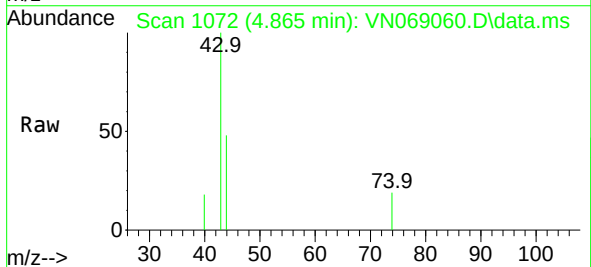
Instrument :
MSVOA_N
ClientSampled :

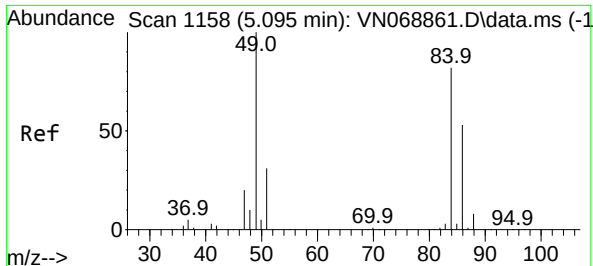
Tgt Ion: 43 Resp: 14605
Ion Ratio Lower Upper
43 100
58 30.8 24.5 36.7



#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 43 Resp: 3119
Ion Ratio Lower Upper
43 100
74 14.3 18.9 28.3#

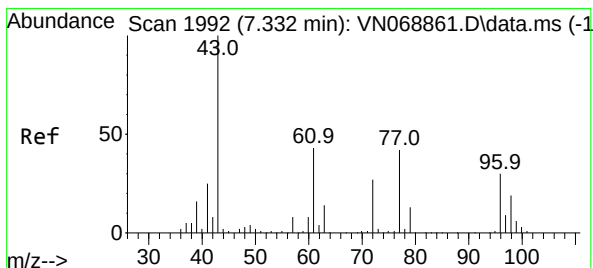
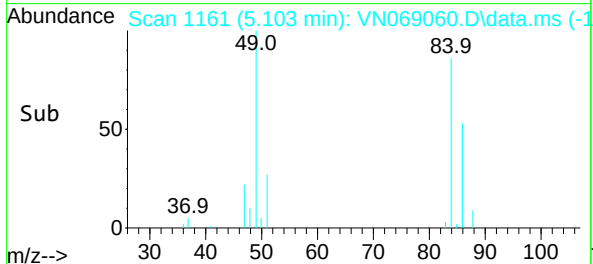
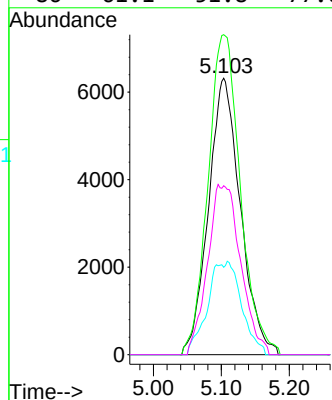
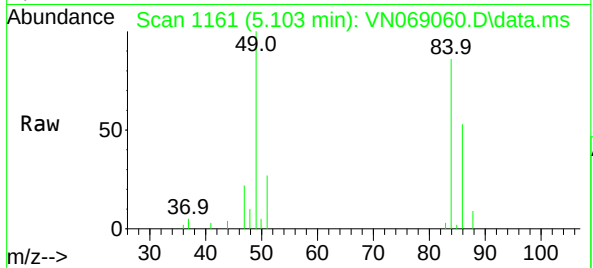




#20
Methylene Chloride
Concen: 5.367 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

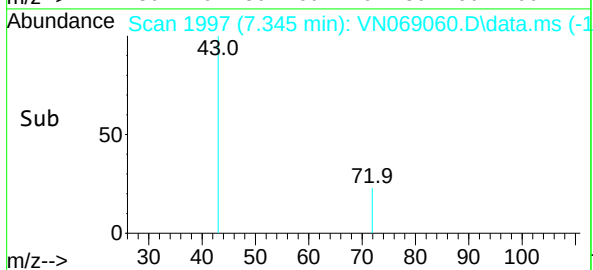
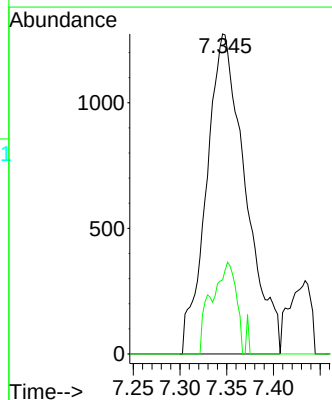
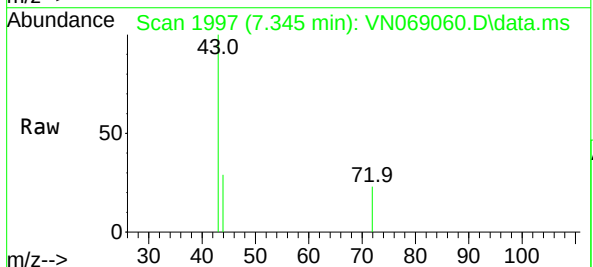
Instrument :
MSVOA_N
ClientSampled :

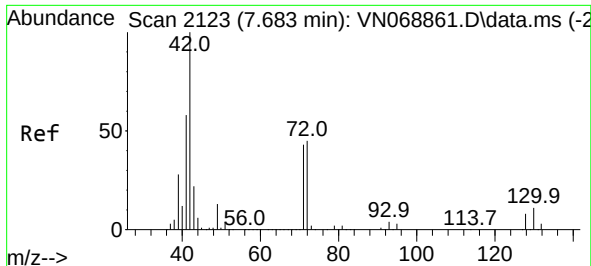
Tgt Ion:	84	Resp:	20651
Ion	Ratio	Lower	Upper
84	100		
49	115.8	97.6	146.4
51	31.6	30.3	45.5
86	61.1	51.8	77.6



#25
2-Butanone
Concen: 1.462 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion:	43	Resp:	3696
Ion	Ratio	Lower	Upper
43	100		
72	23.2	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.489 ug/l

RT: 7.702 min Scan# 2130

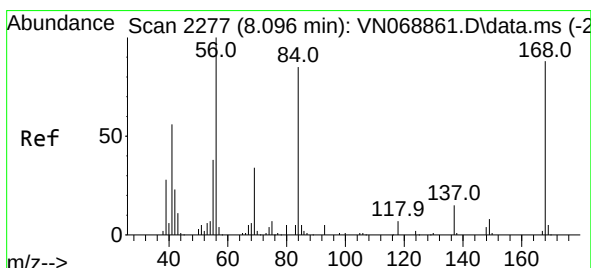
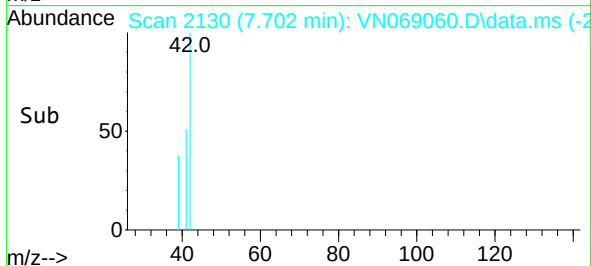
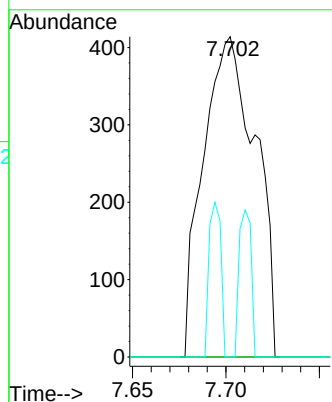
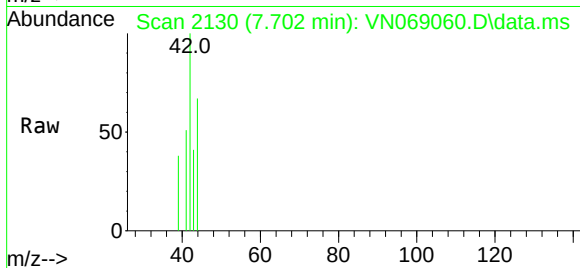
Delta R.T. 0.019 min

Lab File: VN069060.D

Acq: 20 Oct 2021 14:30

Tgt Ion:	42	Resp:	802
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.4	53.2#
71	10.6	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.155 ug/l

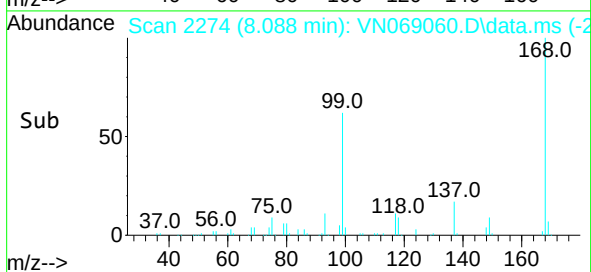
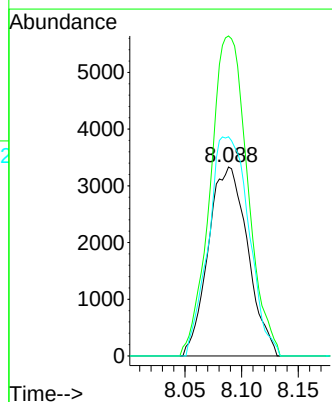
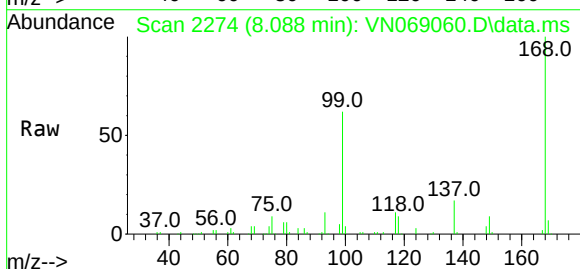
RT: 8.088 min Scan# 2274

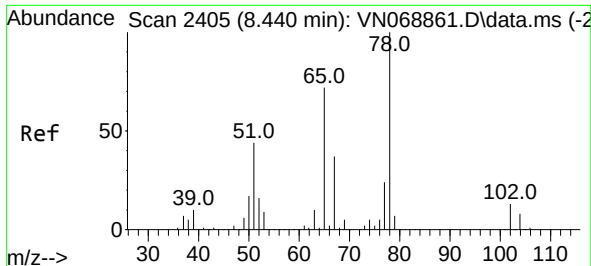
Delta R.T. -0.008 min

Lab File: VN069060.D

Acq: 20 Oct 2021 14:30

Tgt Ion:	56	Resp:	8046
Ion	Ratio	Lower	Upper
56	100		
69	169.4	26.9	40.3#
84	116.1	67.6	101.4#





#33

1,2-Dichloroethane-d4

Concen: 49.767 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069060.D

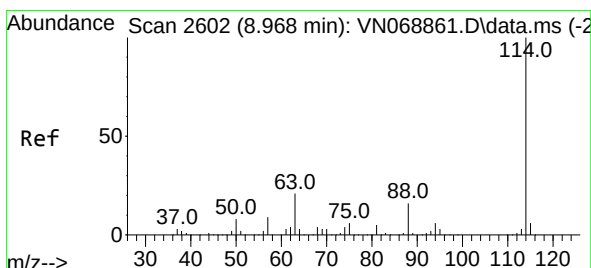
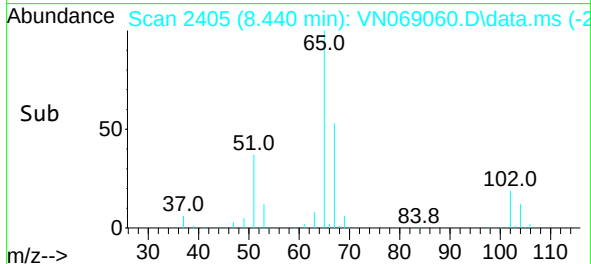
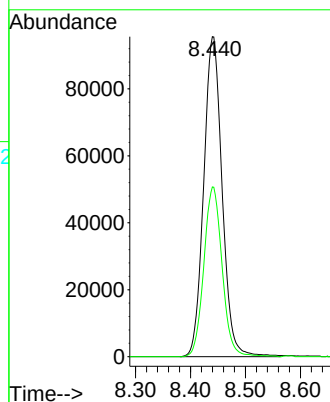
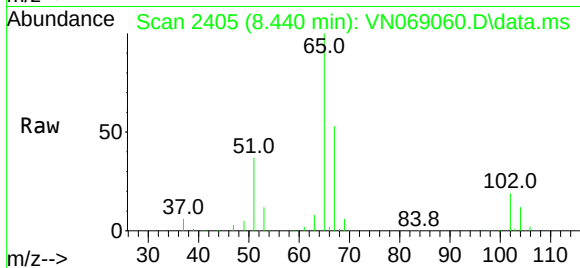
Acq: 20 Oct 2021 14:30

Tgt Ion: 65 Resp: 222957

Ion Ratio Lower Upper

65 100

67 52.6 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: VN069060.D

Acq: 20 Oct 2021 14:30

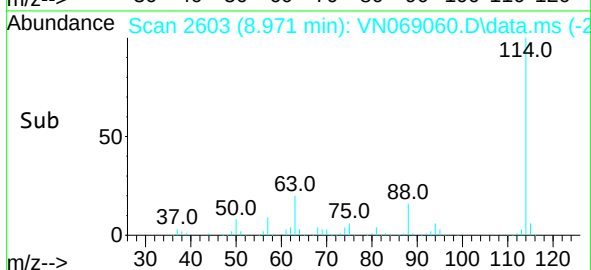
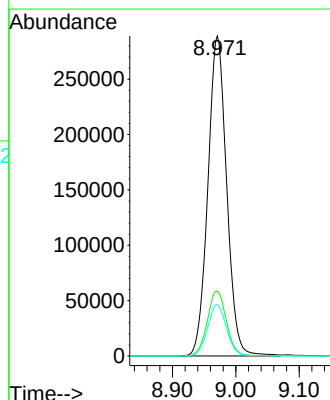
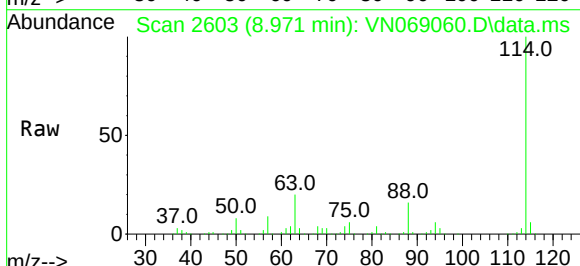
Tgt Ion: 114 Resp: 594798

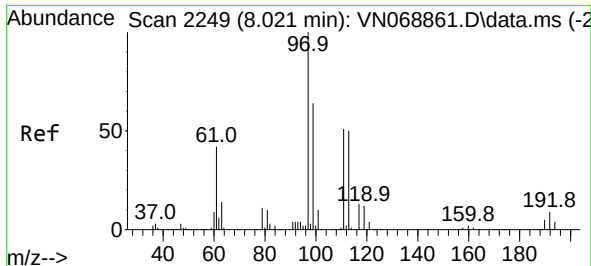
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.796 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN069060.D

Acq: 20 Oct 2021 14:30

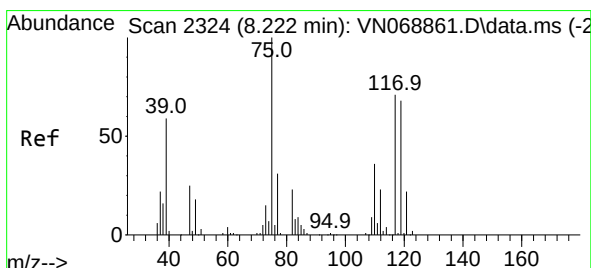
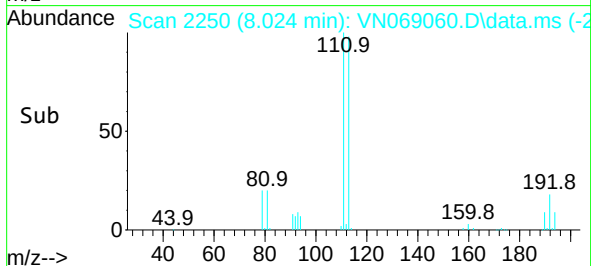
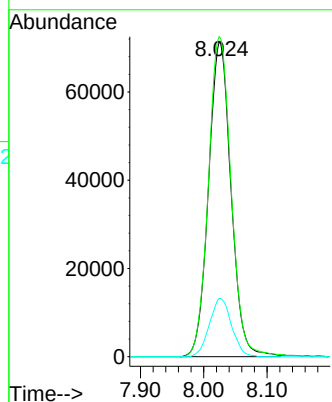
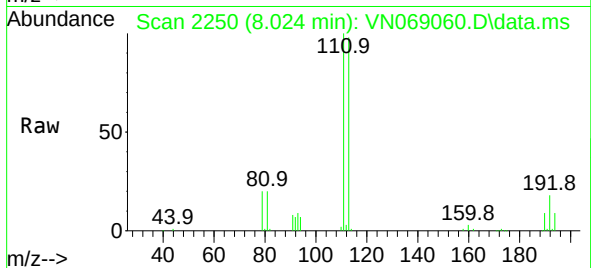
Tgt Ion:113 Resp: 175783

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

192 18.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.509 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN069060.D

Acq: 20 Oct 2021 14:30

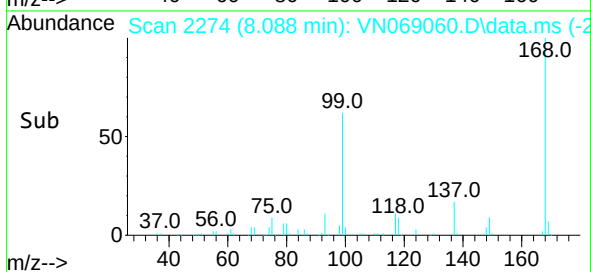
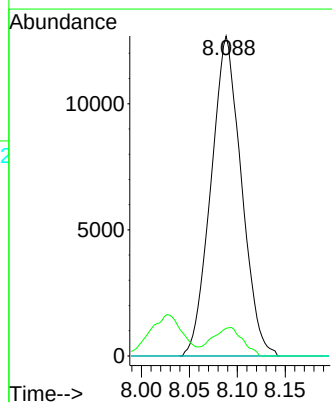
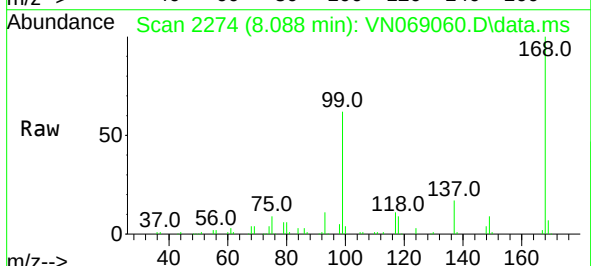
Tgt Ion: 75 Resp: 27990

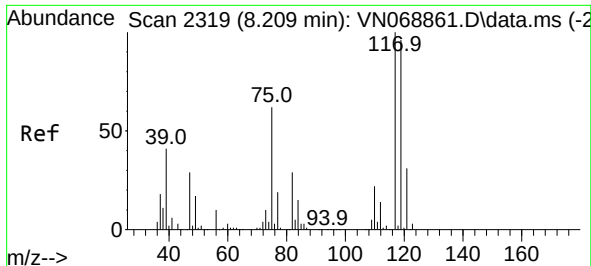
Ion Ratio Lower Upper

75 100

110 8.8 17.9 53.8#

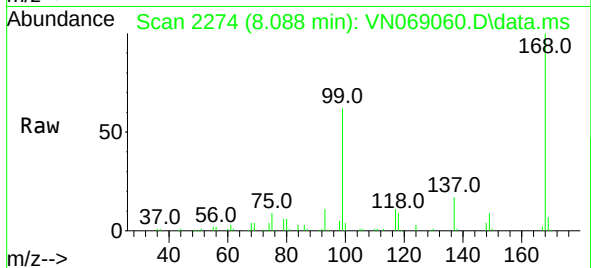
77 0.0 24.7 37.1#



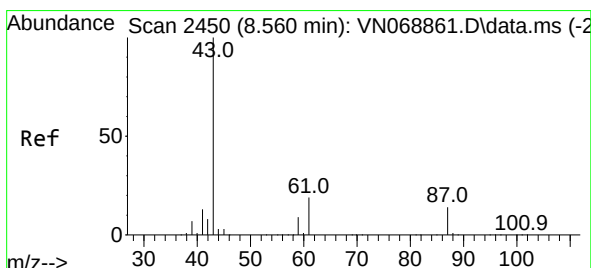
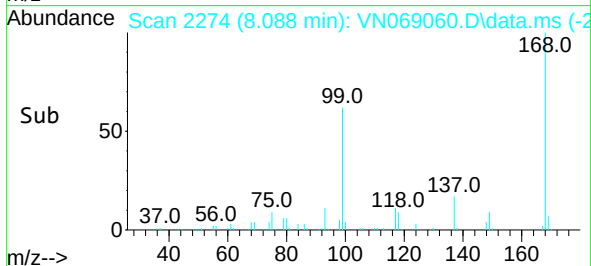
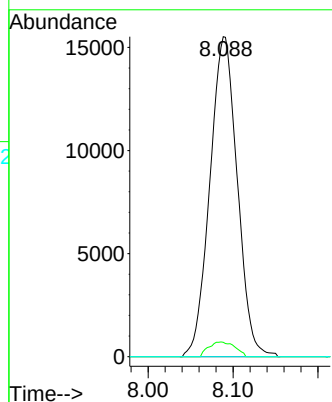


#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Instrument :
MSVOA_N
ClientSampleId :

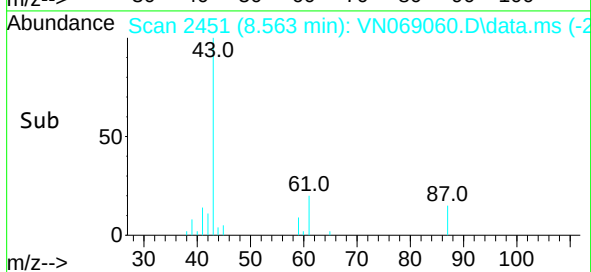
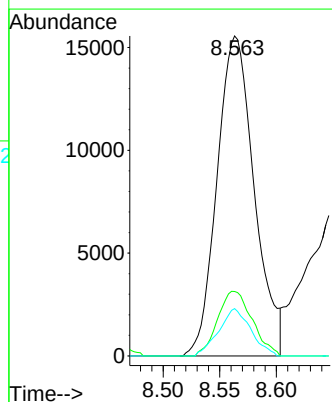
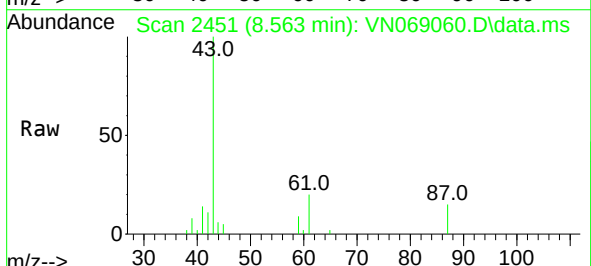


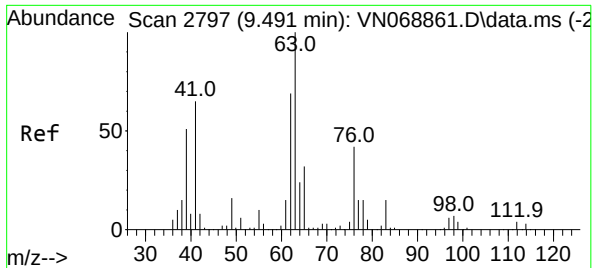
Tgt Ion:117 Resp: 34798
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 3.840 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 43 Resp: 35549
Ion Ratio Lower Upper
43 100
61 18.8 20.4 30.6#
87 12.8 10.7 16.1

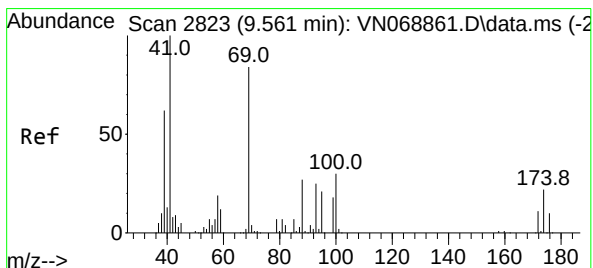
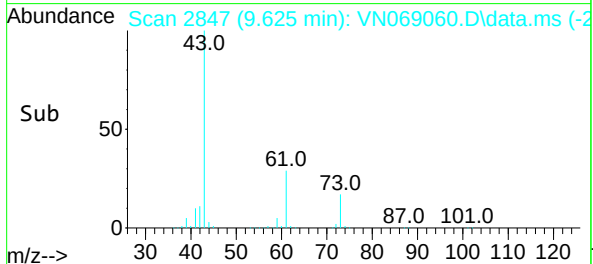
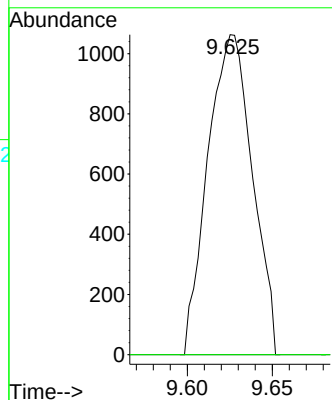
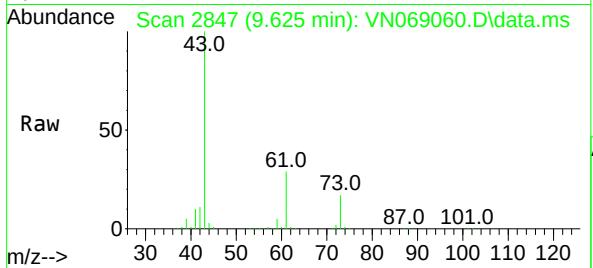




#45
1,2-Dichloropropane
Concen: 0.484 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

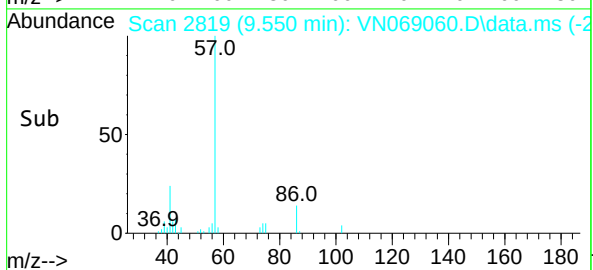
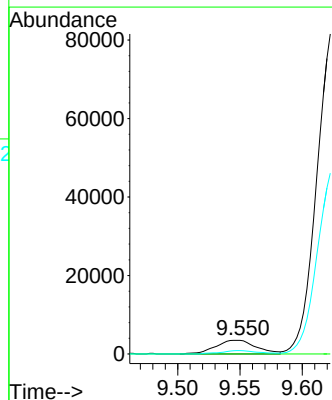
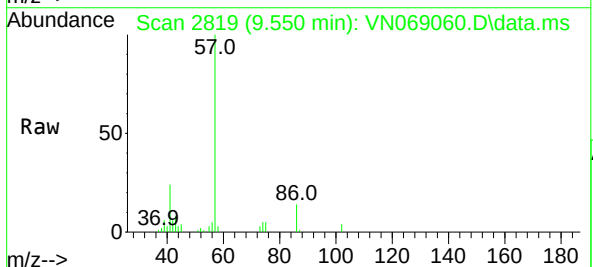
Instrument :
MSVOA_N
ClientSampled :

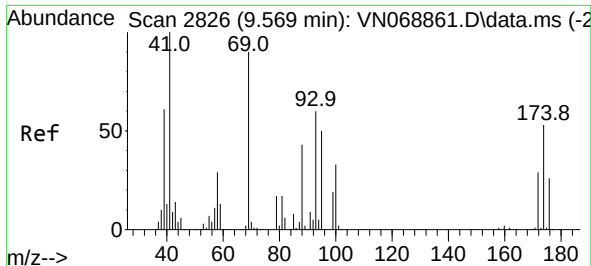
Tgt Ion: 63 Resp: 1941
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.805 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 41 Resp: 7853
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 37.397 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN069060.D

Acq: 20 Oct 2021 14:30

Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

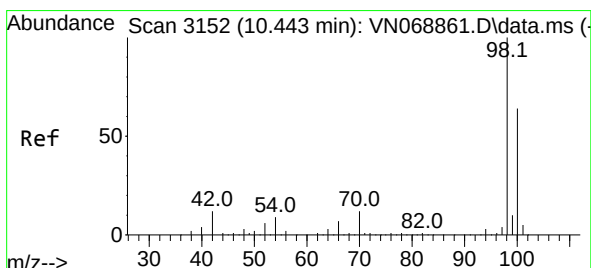
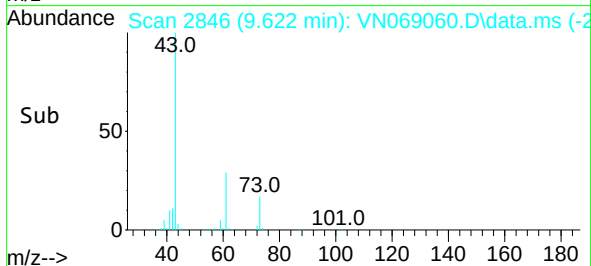
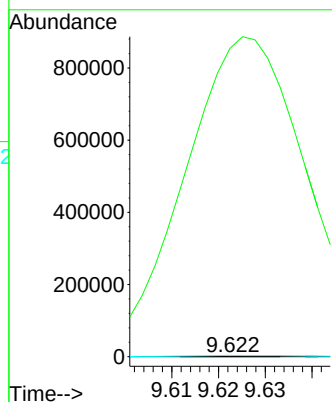
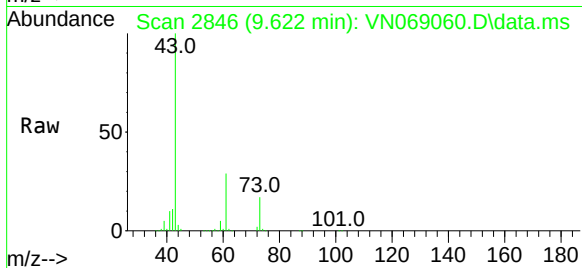
43 1100914.8 24.9 37.3#

58 4398.1 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.689 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069060.D

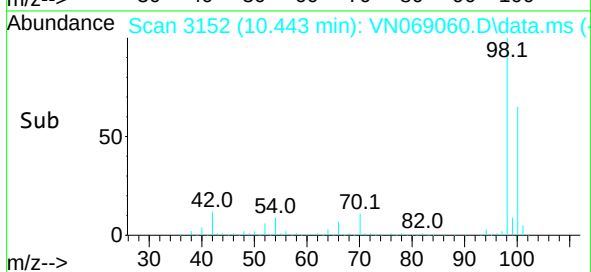
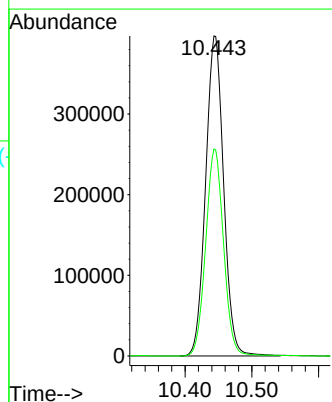
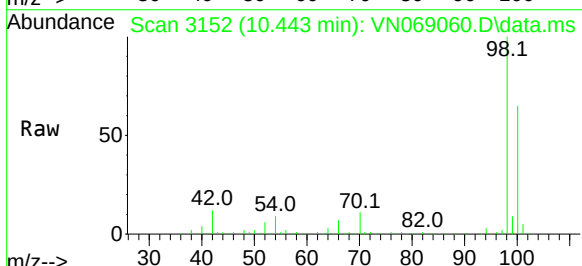
Acq: 20 Oct 2021 14:30

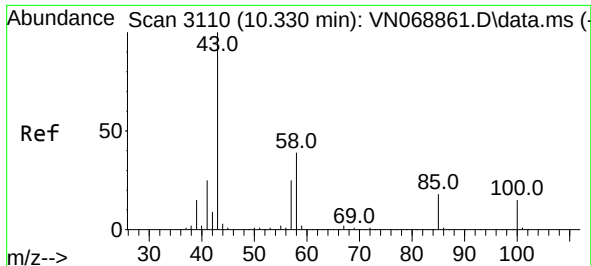
Tgt Ion: 98 Resp: 743393

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3

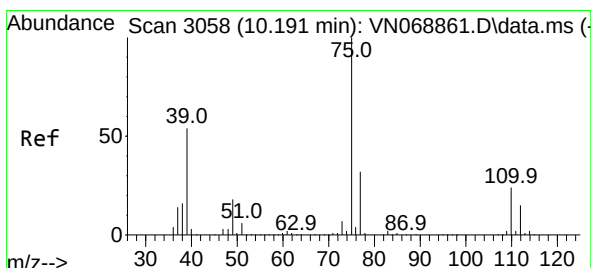
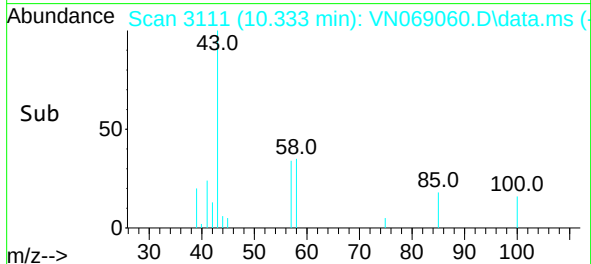
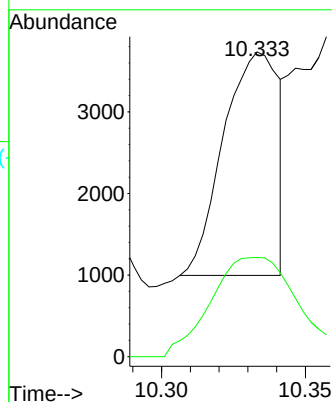
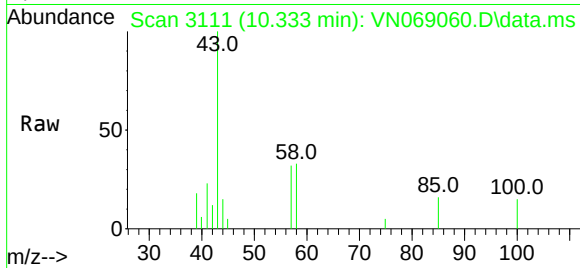




#51
4-Methyl-2-Pentanone
Concen: 0.678 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

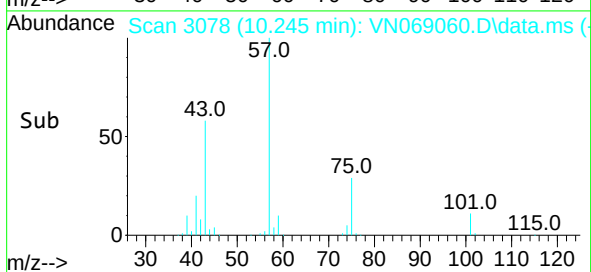
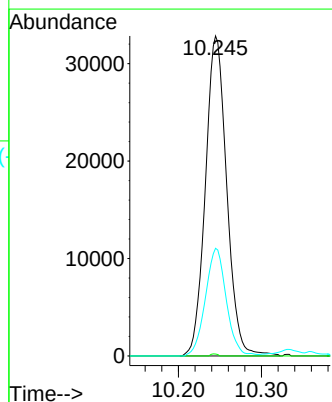
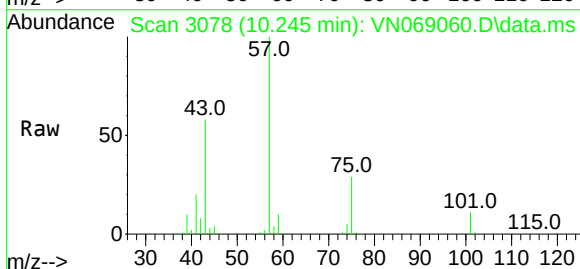
Instrument :
MSVOA_N
ClientSampled :

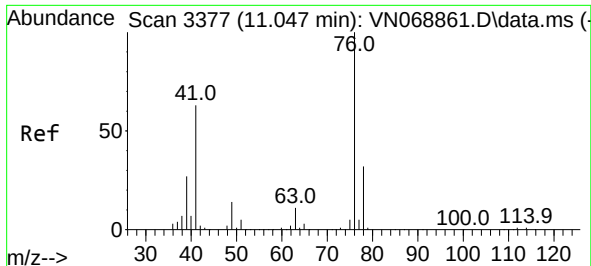
Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
58 68.7 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.743 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 75 Resp: 58509
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 33.6 42.9 64.3#

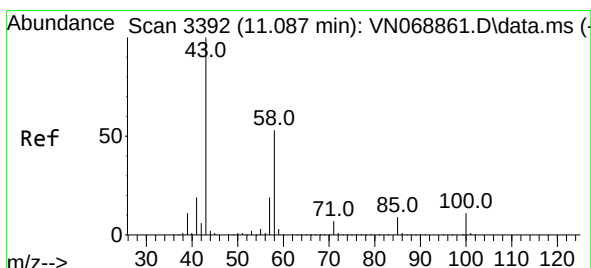
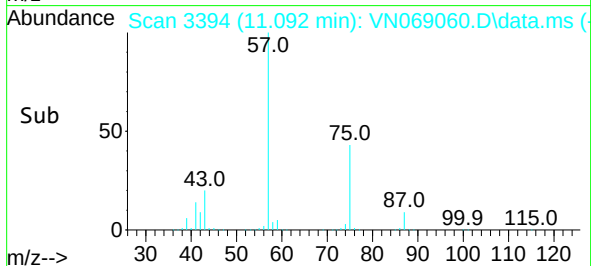
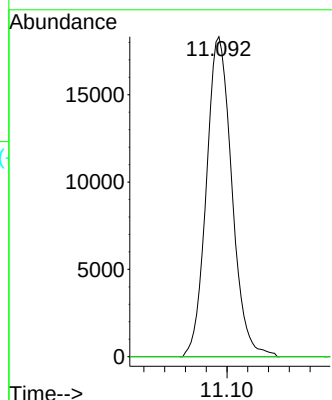
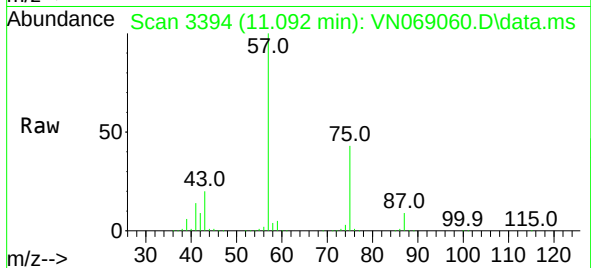




#57
1,3-Dichloropropane
Concen: 4.825 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

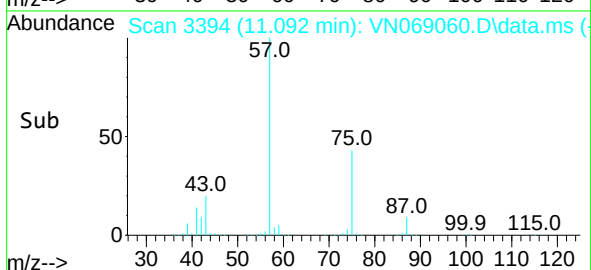
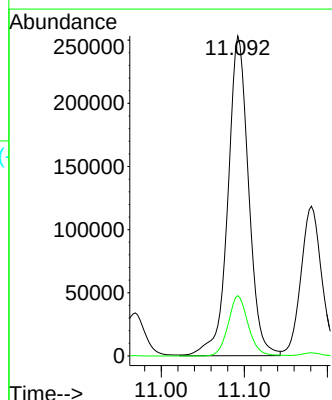
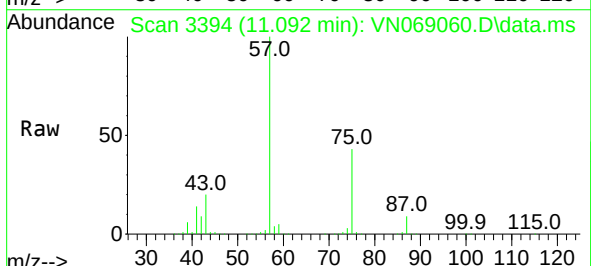
Instrument :
MSVOA_N
ClientSampled :

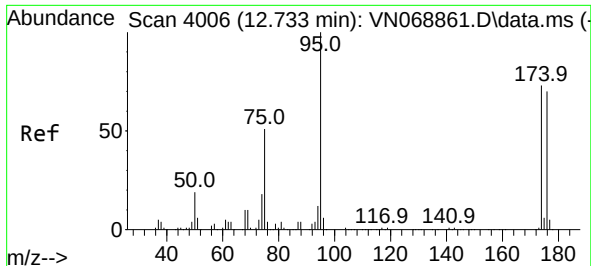
Tgt Ion: 76 Resp: 31223
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 113.811 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 43 Resp: 438138
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

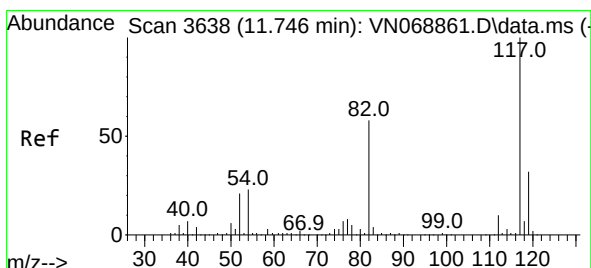
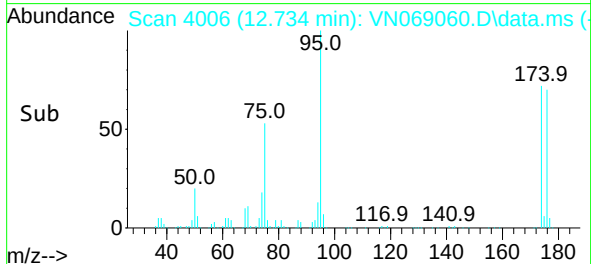
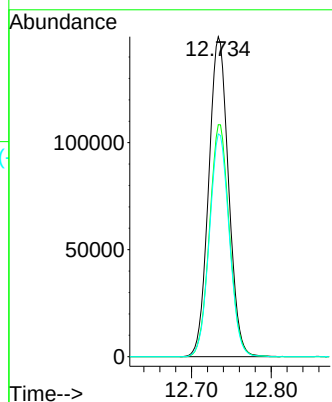
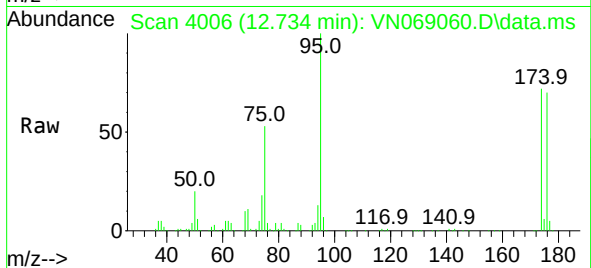




#62
4-Bromofluorobenzene
Concen: 49.551 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

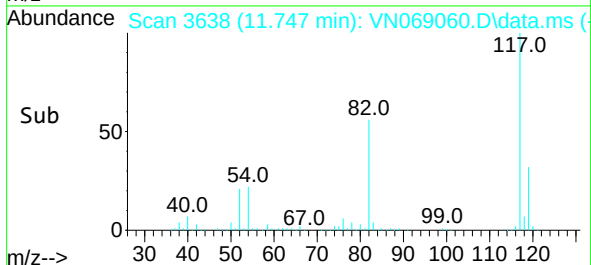
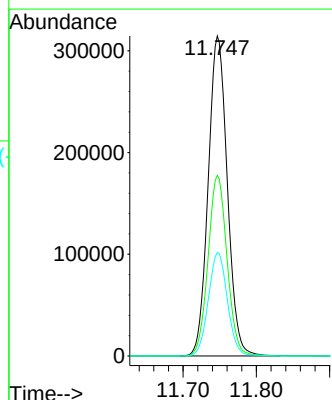
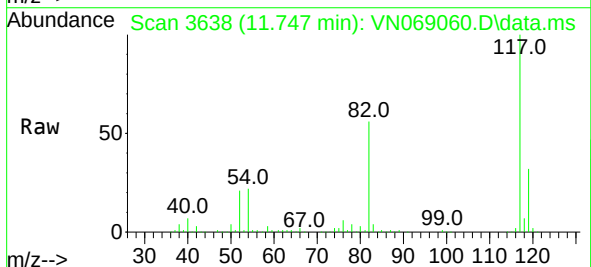
Instrument :
MSVOA_N
ClientSampled :

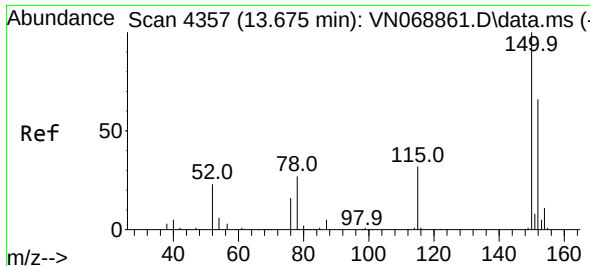
Tgt Ion: 95 Resp: 258856
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 69.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 117 Resp: 569798
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 32.4 26.0 39.0

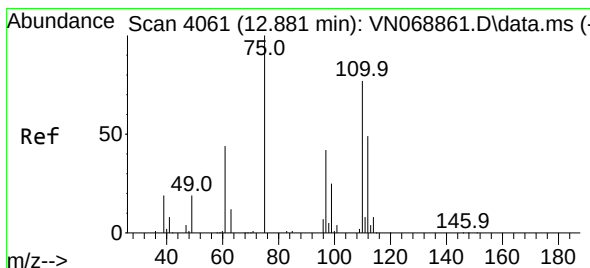
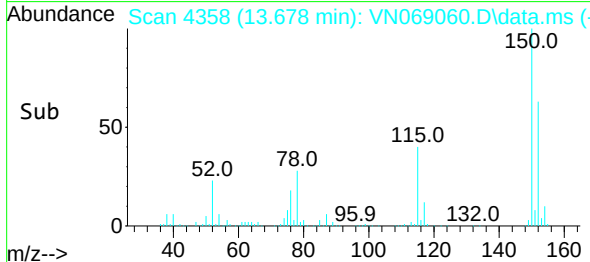
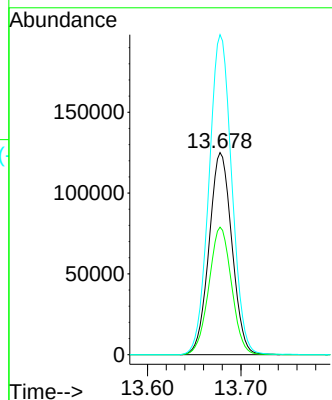
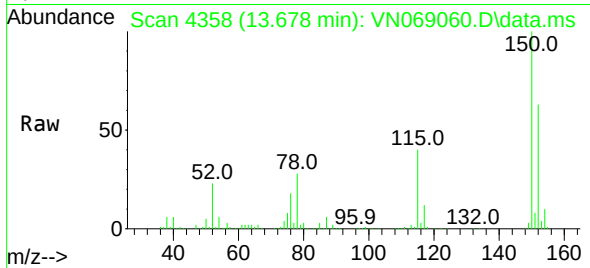




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

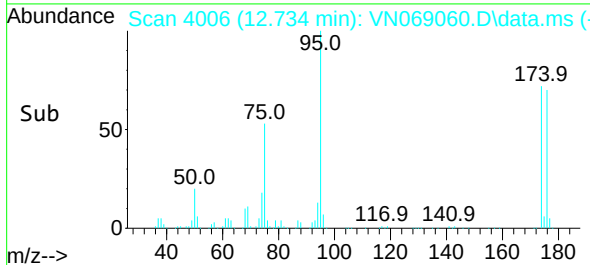
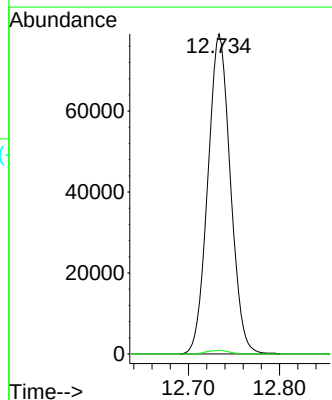
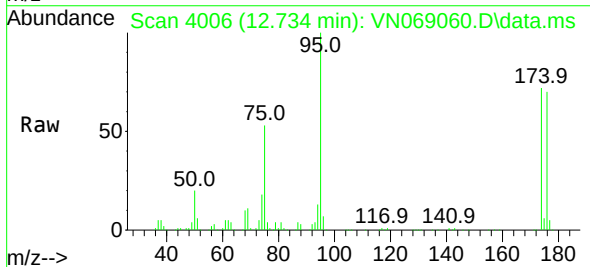
Instrument :
MSVOA_N
ClientSampled :

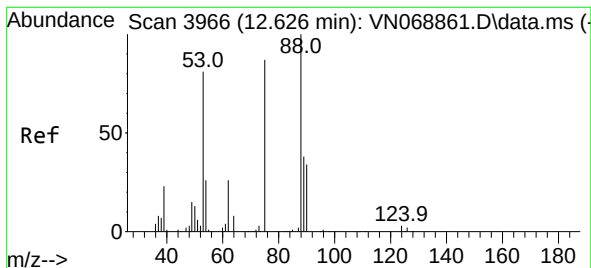
Tgt Ion:152 Resp: 212514
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.3
150 158.5 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 30.066 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

Tgt Ion: 75 Resp: 135951
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#

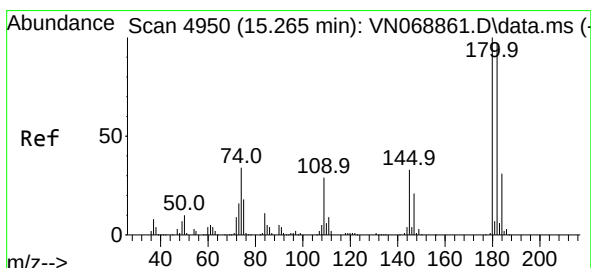
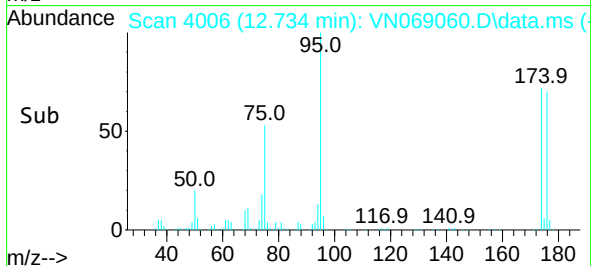
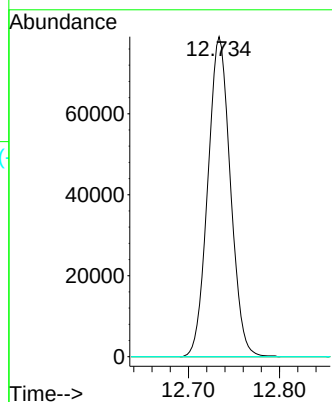
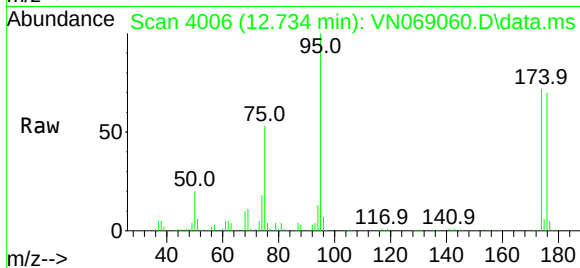




#81
trans-1,4-Dichloro-2-butene
Concen: 71.932 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

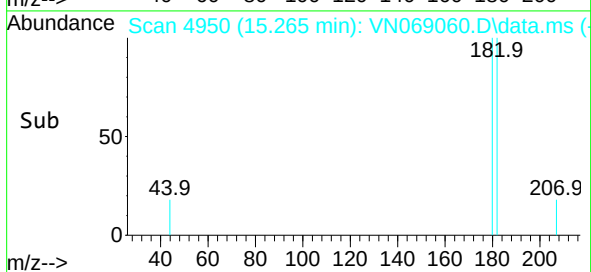
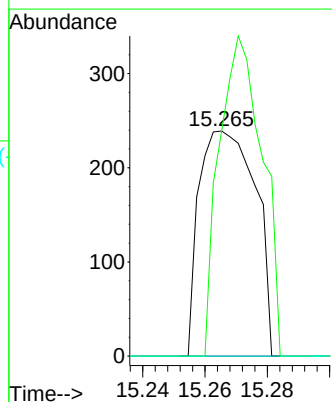
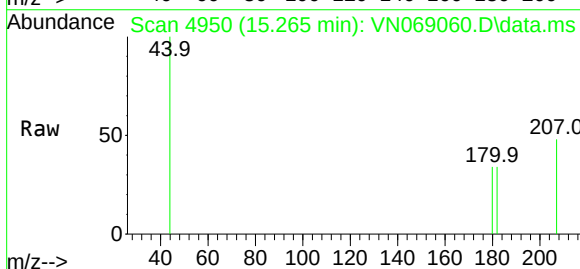
Instrument :
MSVOA_N
ClientSampled :

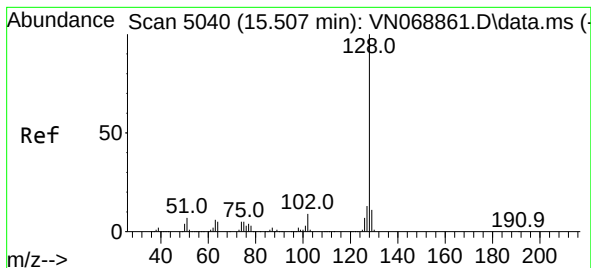
Tgt Ion: 75 Resp: 135951
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.681 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

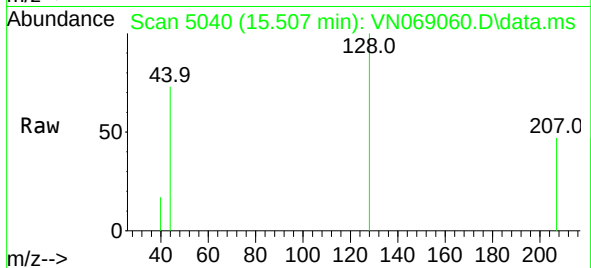
Tgt Ion:180 Resp: 300
Ion Ratio Lower Upper
180 100
182 108.0 47.9 143.7
145 0.0 16.4 49.2#



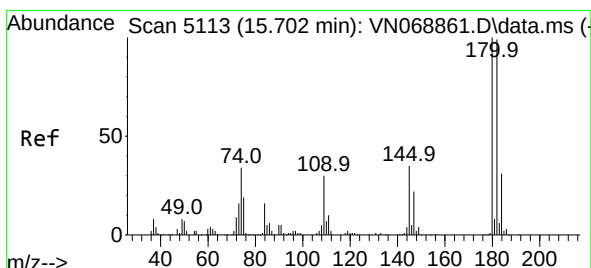
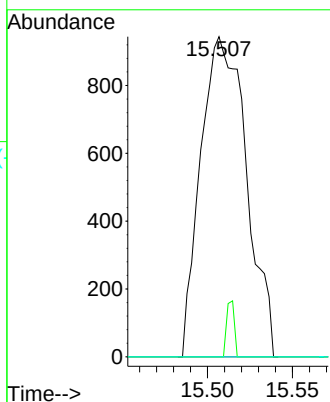
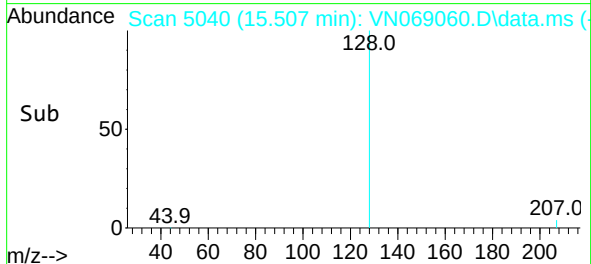


#95
Naphthalene
Concen: 3.977 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30

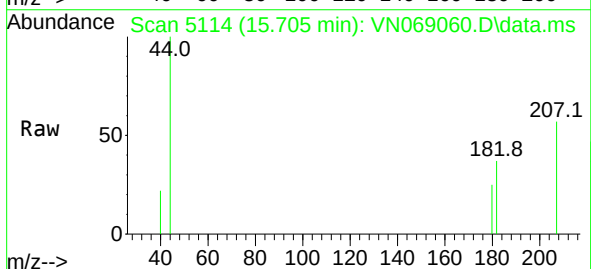
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1767
Ion Ratio Lower Upper
128 100
127 2.9 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.561 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069060.D
Acq: 20 Oct 2021 14:30



Tgt Ion:180 Resp: 168
Ion Ratio Lower Upper
180 100
182 201.2 48.1 144.3#
145 0.0 17.4 52.2#

