

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070599.D
 Acq On : 12 Jan 2022 20:39
 Operator : JC/MD
 Sample : PB141975ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:28:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

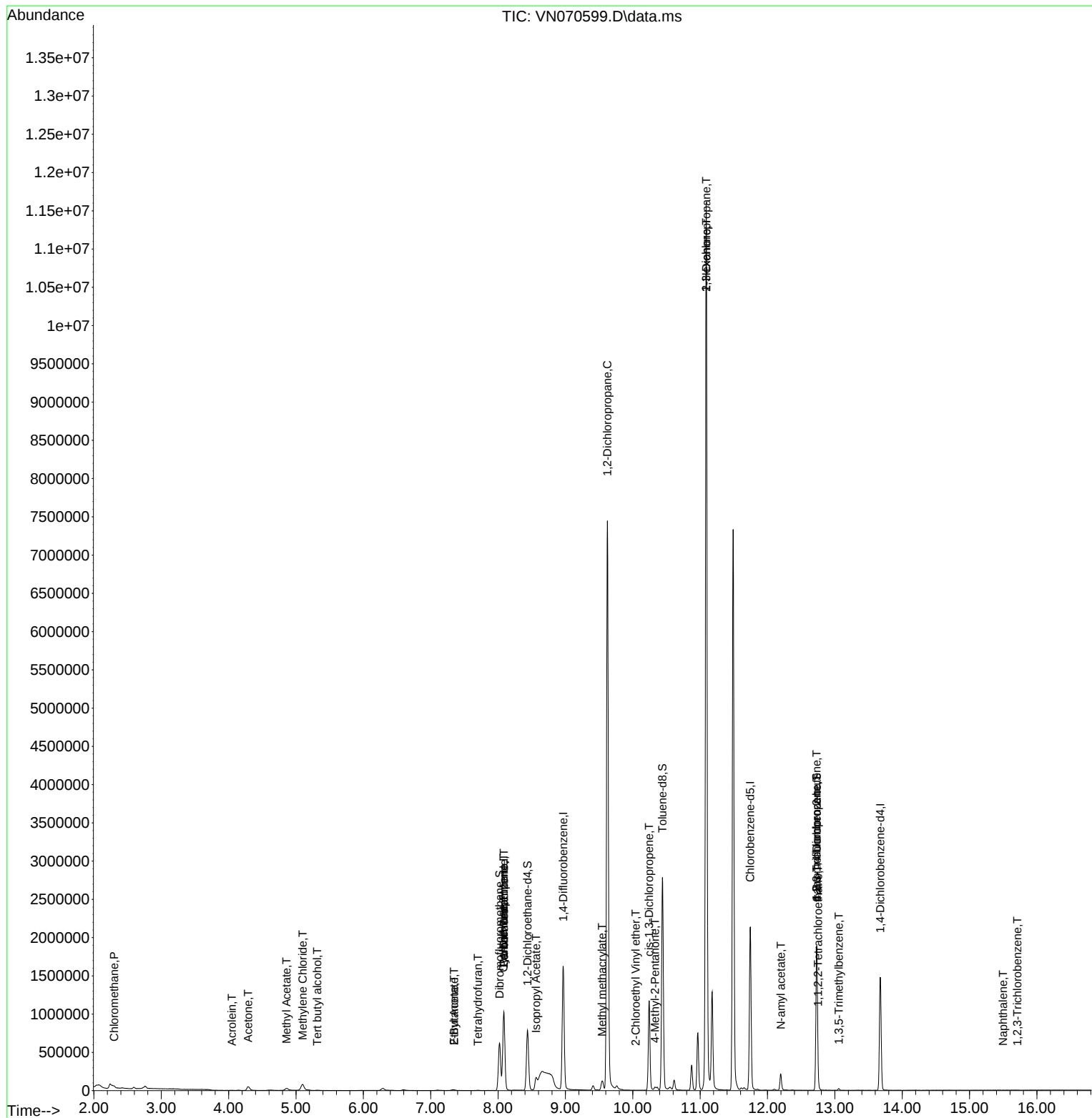
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	779871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1381842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1244544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	420956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	657889	58.672	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	117.340%
35) Dibromofluoromethane	8.021	113	459947	55.012	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	110.020%
50) Toluene-d8	10.440	98	1895371	55.493	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	110.980%
62) 4-Bromofluorobenzene	12.731	95	690740	55.994	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.980%
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	2813	0.234	ug/l	100
11) Tert butyl alcohol	5.315	59	2795	1.497	ug/l #	71
13) Acrolein	4.047	56	443	0.292	ug/l #	78
16) Acetone	4.291	43	94770	13.020	ug/l	95
18) Methyl Acetate	4.859	43	57917	2.751	ug/l	95
20) Methylene Chloride	5.098	84	56766	5.637	ug/l	89
25) 2-Butanone	7.345	43	16842	1.838	ug/l #	86
29) Tetrahydrofuran	7.699	42	3163	0.578	ug/l #	60
31) Cyclohexane	8.080	56	17490	0.988	ug/l #	6
36) 1,1-Dichloropropene	8.083	75	63183	4.568	ug/l #	48
37) Ethyl Acetate	7.345	43	16842	0.939	ug/l #	68
38) Carbon Tetrachloride	8.086	117	77117	5.839	ug/l #	16
43) Isopropyl Acetate	8.563	43	196420	6.949	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	8296	0.727	ug/l #	44
48) Methyl methacrylate	9.545	41	36420	2.701	ug/l #	8
51) 4-Methyl-2-Pentanone	10.328	43	29336	1.652	ug/l	92
54) cis-1,3-Dichloropropene	10.242	75	198368	12.017	ug/l #	62
57) 1,3-Dichloropropane	11.089	76	115022	6.404	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.043	63	184	18.553	ug/l #	45
59) 2-Hexanone	11.089	43	1944144	150.102	ug/l #	49
74) N-amyl acetate	12.197	43	75916	4.619	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.750	83	24	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	359138	29.976	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	9737	0.311	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.731	75	359138	104.235	ug/l #	5
95) Naphthalene	15.499	128	441	1.819	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	99	0.841	ug/l #	52

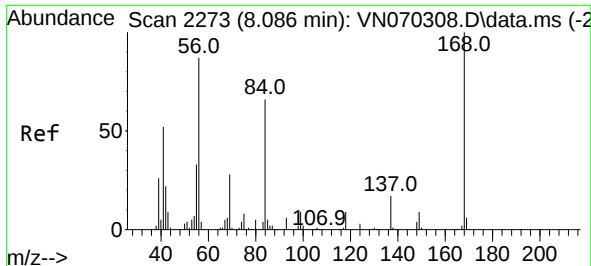
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
Data File : VN070599.D
Acq On : 12 Jan 2022 20:39
Operator : JC/MD
Sample : PB141975ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

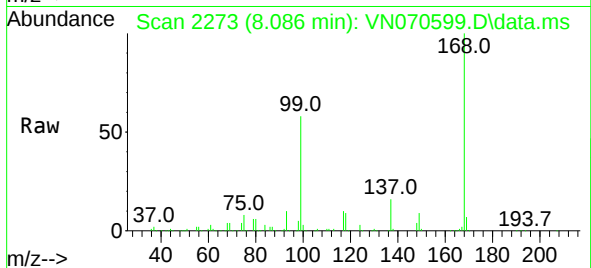
Quant Time: Jan 13 04:28:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration



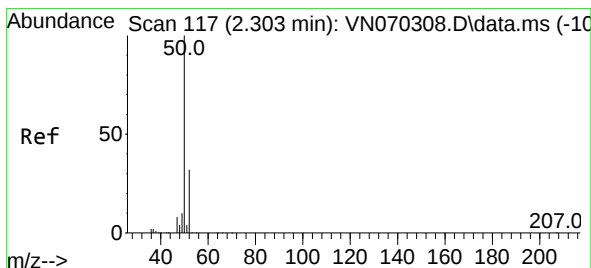
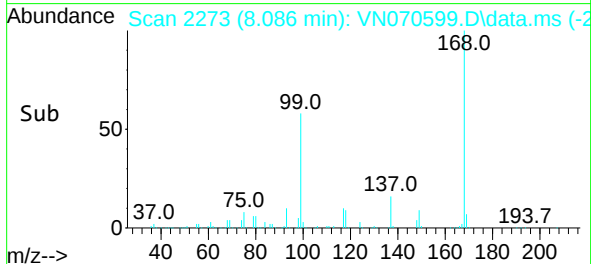
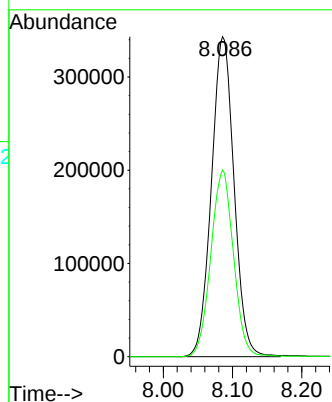


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

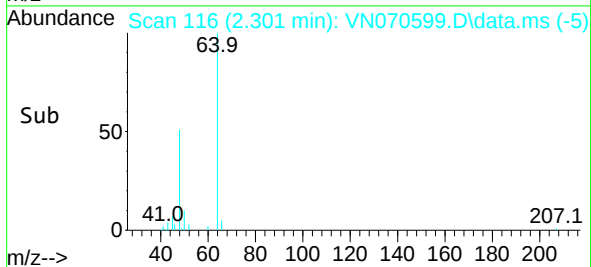
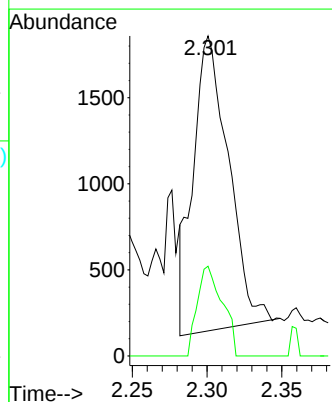
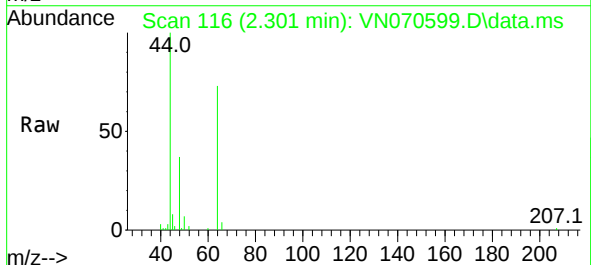


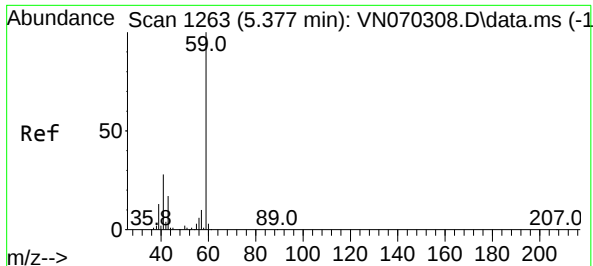
Tgt Ion:168 Resp: 779871
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 50 Resp: 2813
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0





#11

Tert butyl alcohol

Concen: 1.497 ug/l

RT: 5.315 min Scan# 11

Delta R.T. -0.062 min

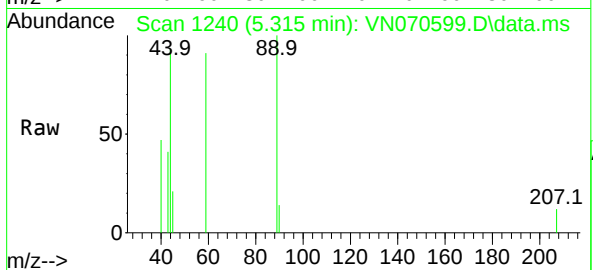
Lab File: VN070599.D

Acq: 12 Jan 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

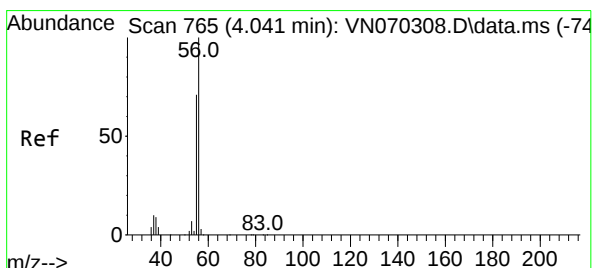
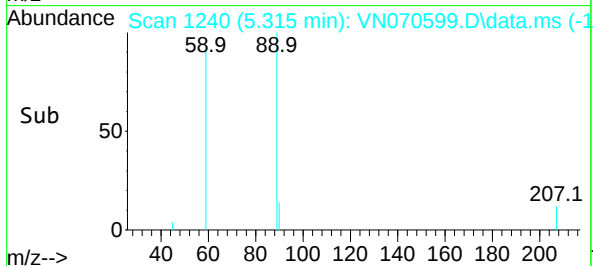
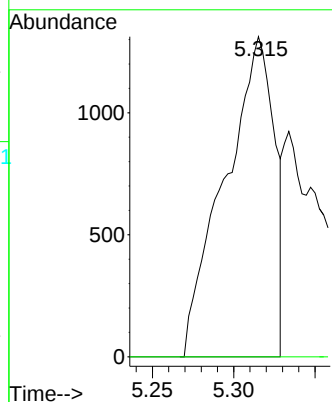


Tgt Ion: 59 Resp: 2795

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.292 ug/l

RT: 4.047 min Scan# 767

Delta R.T. 0.006 min

Lab File: VN070599.D

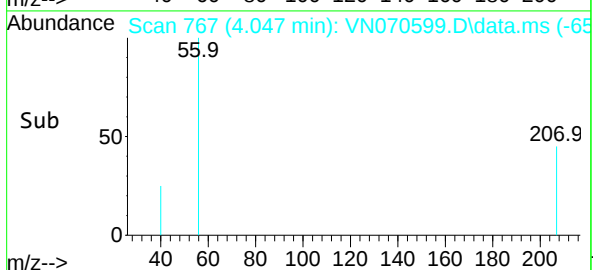
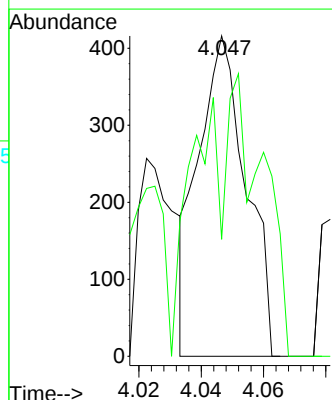
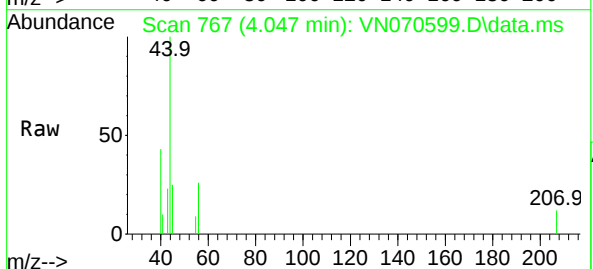
Acq: 12 Jan 2022 20:39

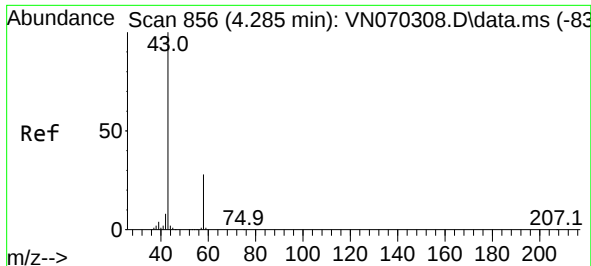
Tgt Ion: 56 Resp: 443

Ion Ratio Lower Upper

56 100

55 52.6 56.6 85.0#

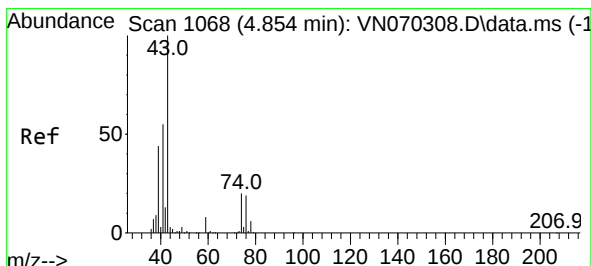
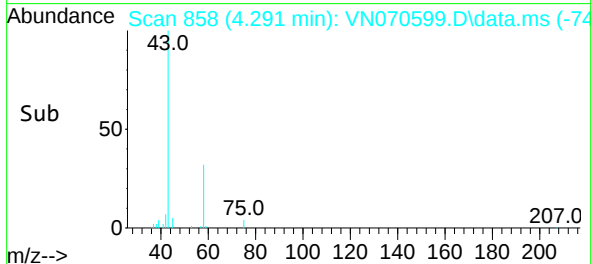
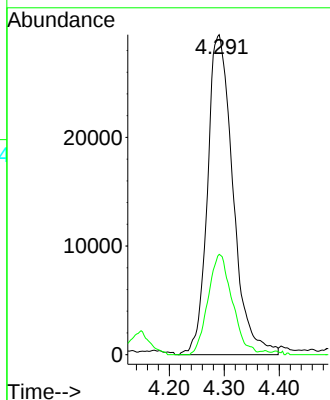
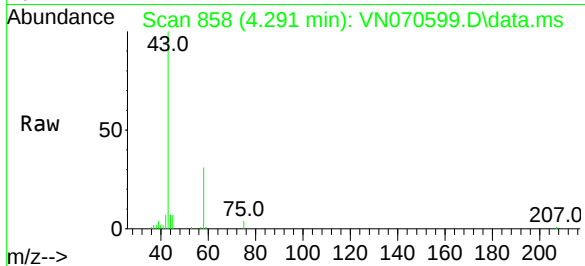




#16
Acetone
Concen: 13.020 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

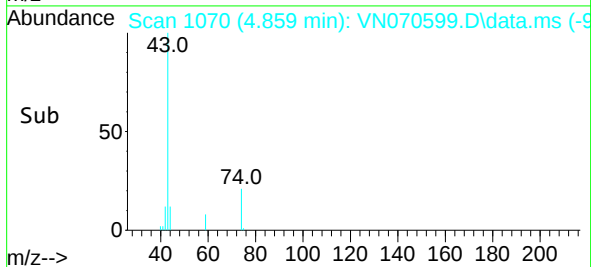
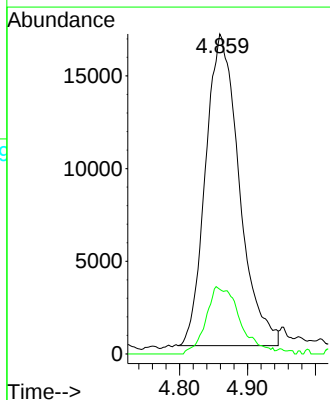
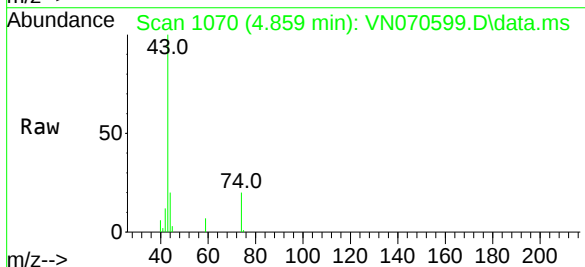
Instrument :
MSVOA_N
ClientSampleId :

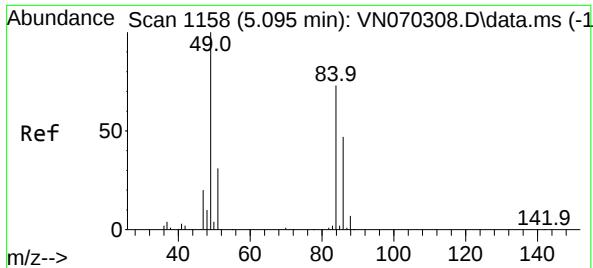
Tgt Ion: 43 Resp: 94770
Ion Ratio Lower Upper
43 100
58 31.3 23.1 34.7



#18
Methyl Acetate
Concen: 2.751 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

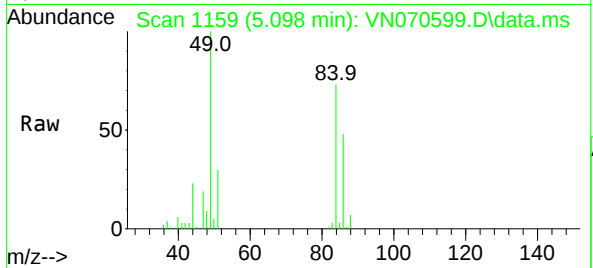
Tgt Ion: 43 Resp: 57917
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2



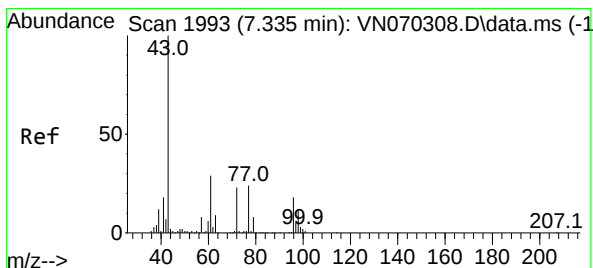
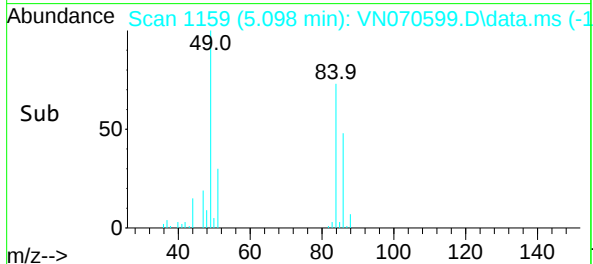
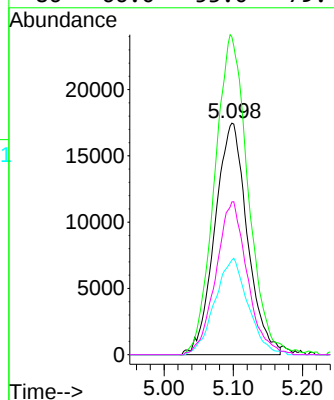


#20
Methylene Chloride
Concen: 5.637 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

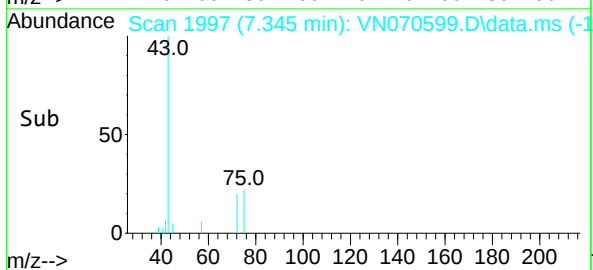
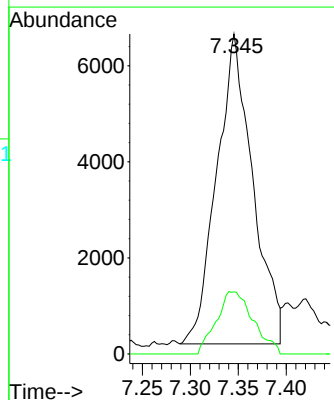
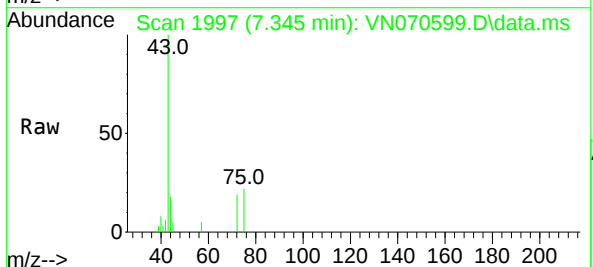


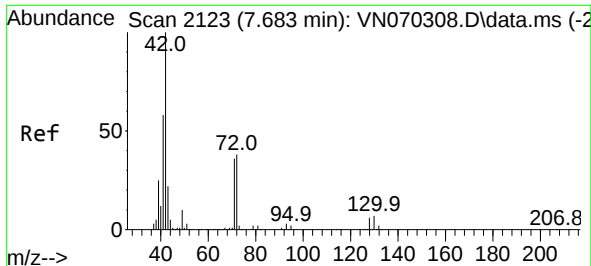
Tgt Ion: 84 Resp: 56766
Ion Ratio Lower Upper
84 100
49 137.2 93.5 140.3
51 40.9 29.4 44.2
86 66.0 53.0 79.4



#25
2-Butanone
Concen: 1.838 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 43 Resp: 16842
Ion Ratio Lower Upper
43 100
72 20.1 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.578 ug/l

RT: 7.699 min Scan# 21

Delta R.T. 0.016 min

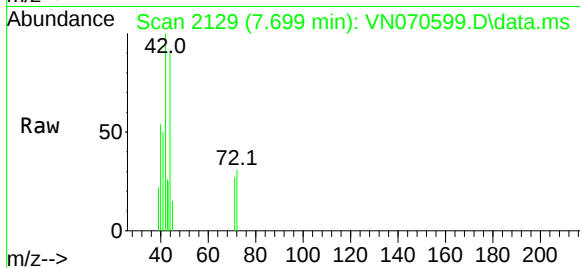
Lab File: VN070599.D

Acq: 12 Jan 2022 20:39

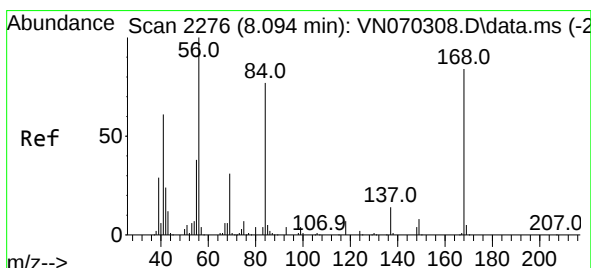
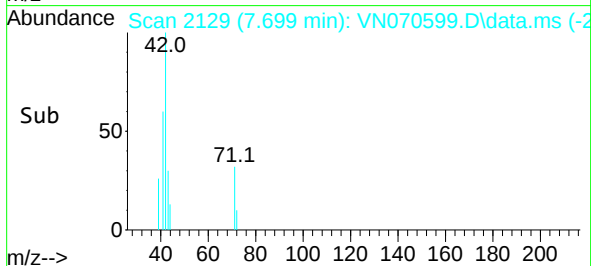
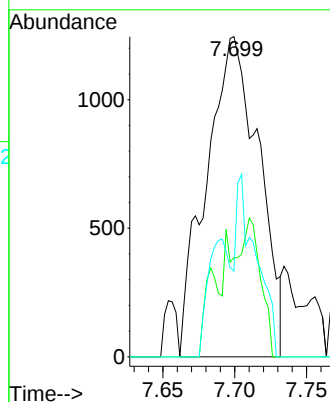
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3163
Ion	Ratio	Lower	Upper
42	100		
72	15.4	36.3	54.5#
71	21.3	34.7	52.1#



#31

Cyclohexane

Concen: 0.988 ug/l

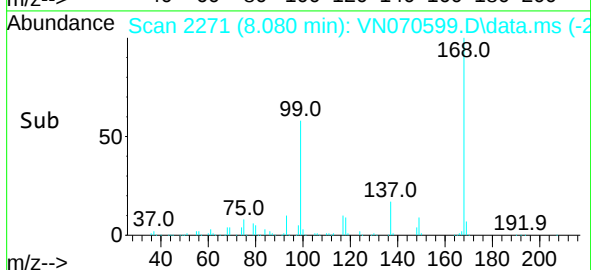
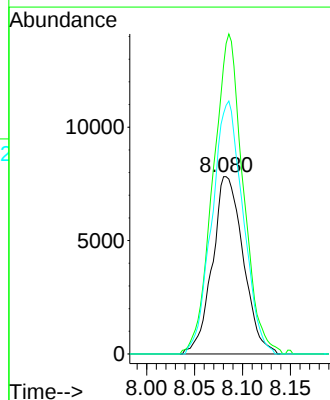
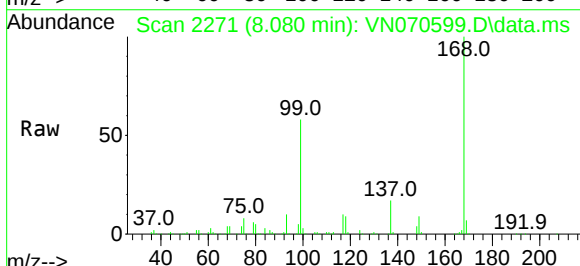
RT: 8.080 min Scan# 2271

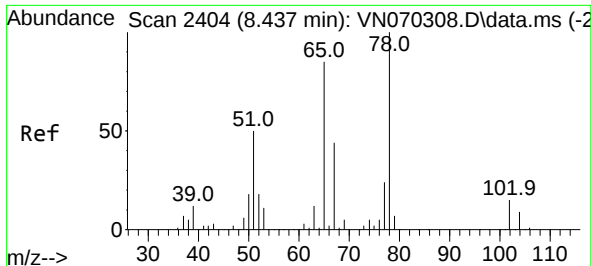
Delta R.T. -0.014 min

Lab File: VN070599.D

Acq: 12 Jan 2022 20:39

Tgt Ion:	56	Resp:	17490
Ion	Ratio	Lower	Upper
56	100		
69	162.6	27.1	40.7#
84	135.6	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 58.672 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070599.D

Acq: 12 Jan 2022 20:39

Instrument :

MSVOA_N

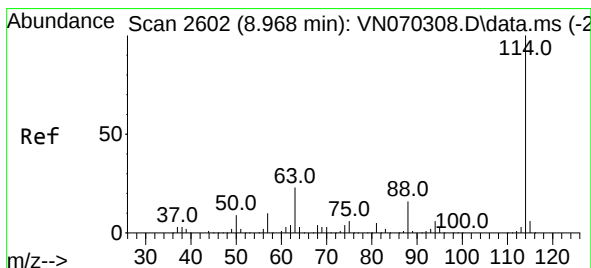
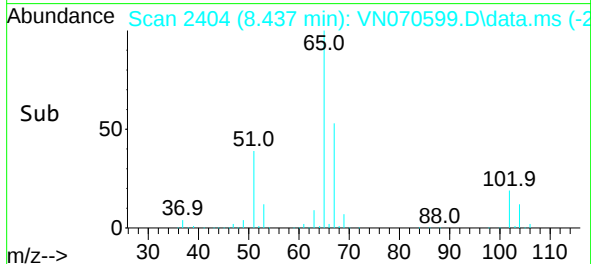
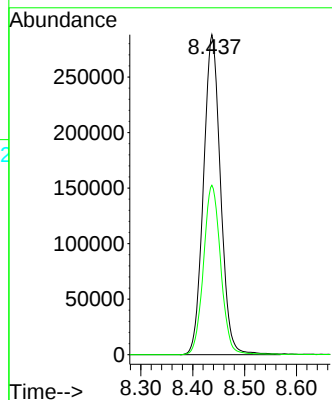
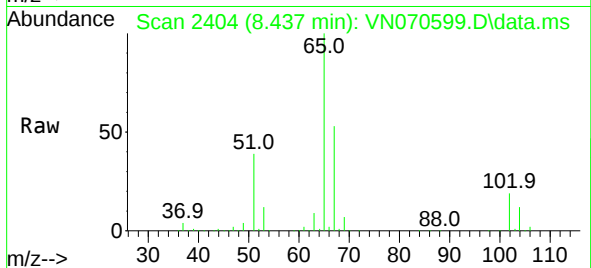
ClientSampleId :

Tgt Ion: 65 Resp: 657889

Ion Ratio Lower Upper

65 100

67 53.3 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: VN070599.D

Acq: 12 Jan 2022 20:39

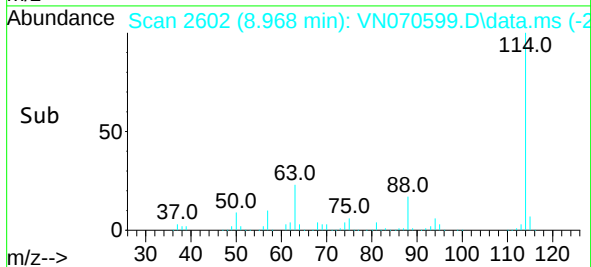
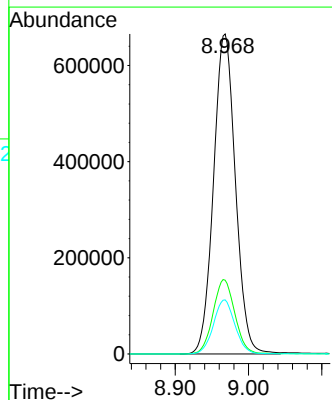
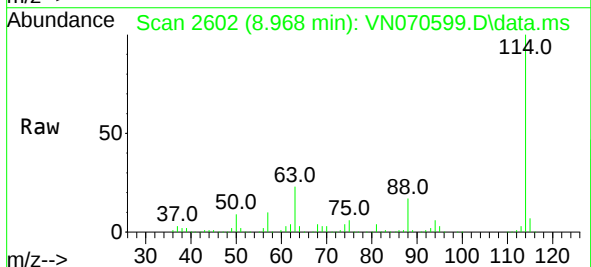
Tgt Ion: 114 Resp: 1381842

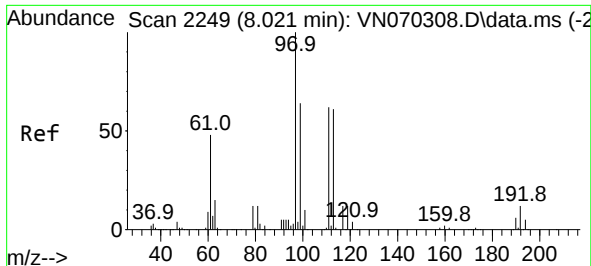
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 16.9 0.0 27.4

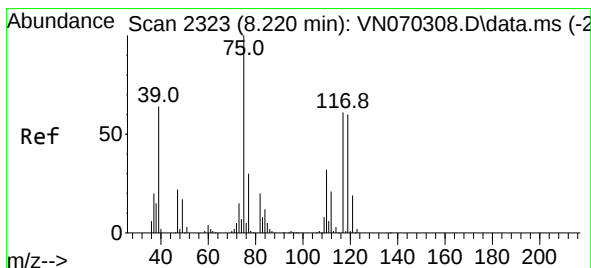
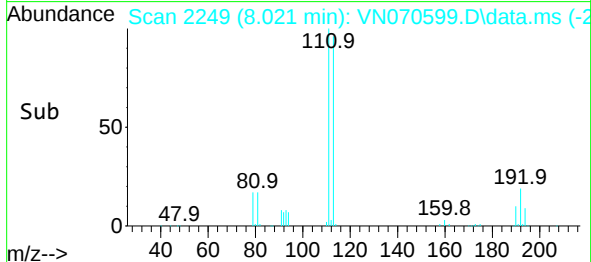
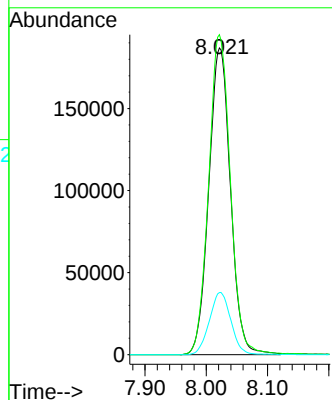
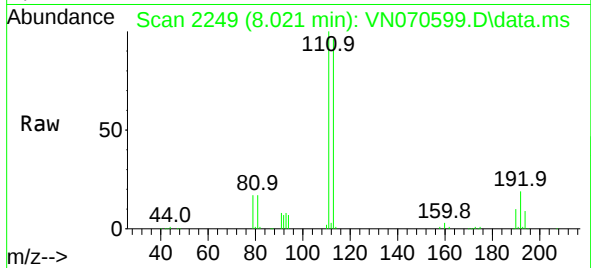




#35
Dibromofluoromethane
Concen: 55.012 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

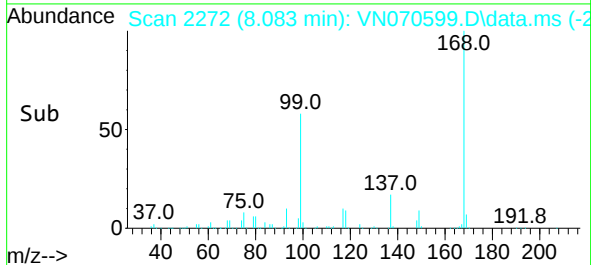
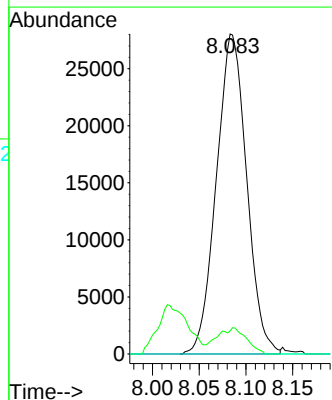
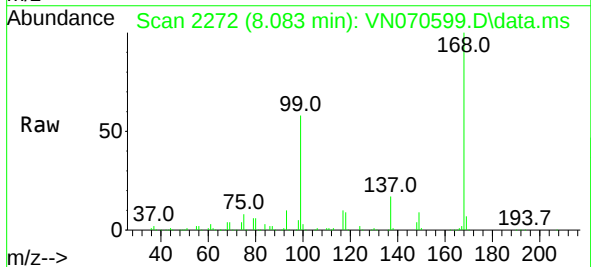
Instrument :
MSVOA_N
ClientSampleId :

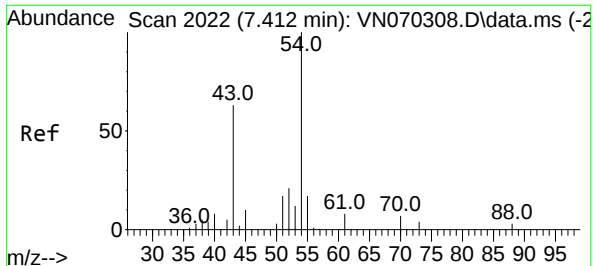
Tgt Ion:113 Resp: 459947
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.568 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 75 Resp: 63183
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.939 ug/l

RT: 7.345 min Scan# 11

Delta R.T. -0.067 min

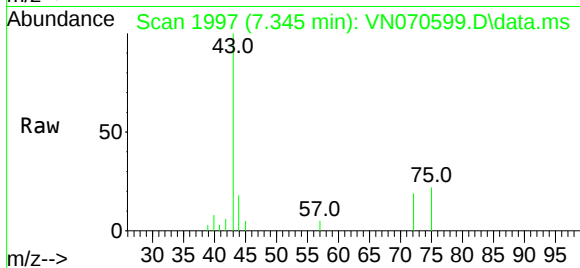
Lab File: VN070599.D

Acq: 12 Jan 2022 20:39

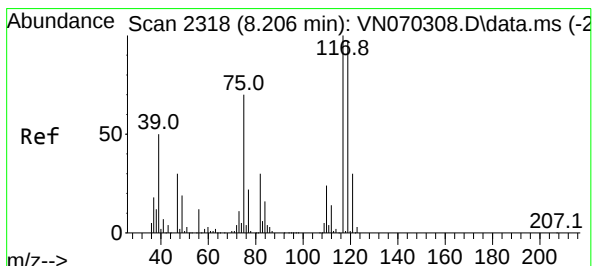
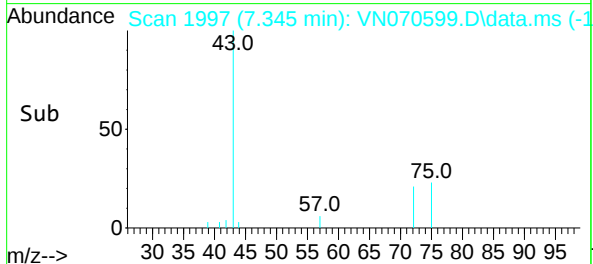
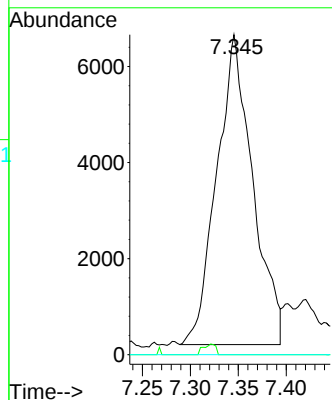
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	16842
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.839 ug/l

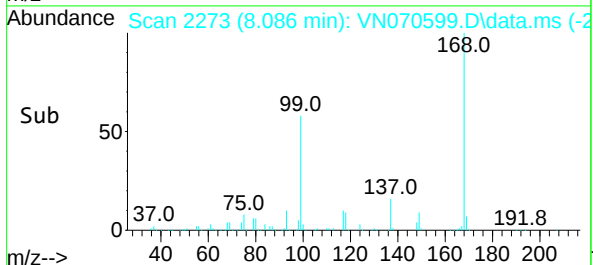
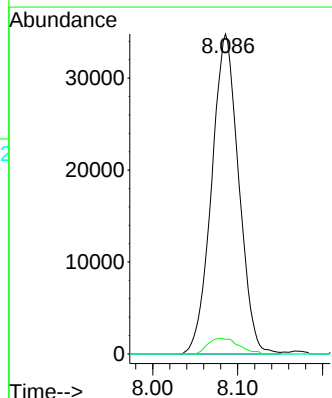
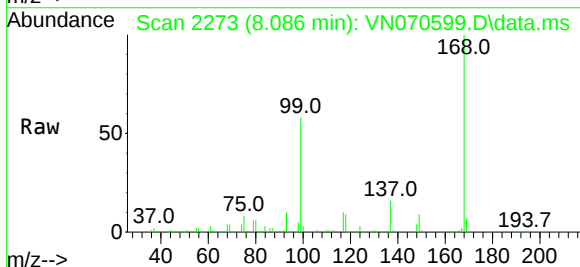
RT: 8.086 min Scan# 2273

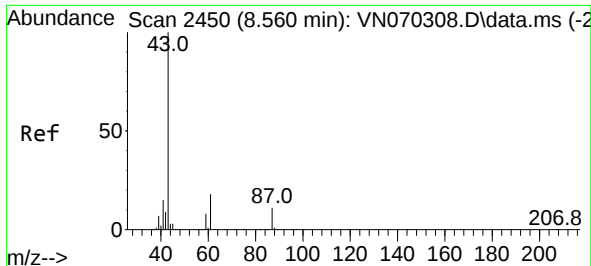
Delta R.T. -0.120 min

Lab File: VN070599.D

Acq: 12 Jan 2022 20:39

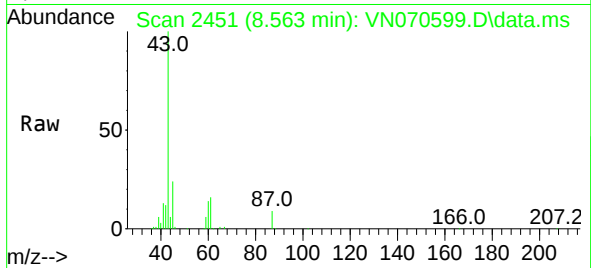
Tgt Ion:	117	Resp:	77117
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.2	36.2#



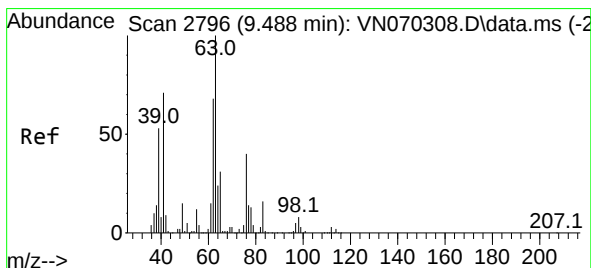
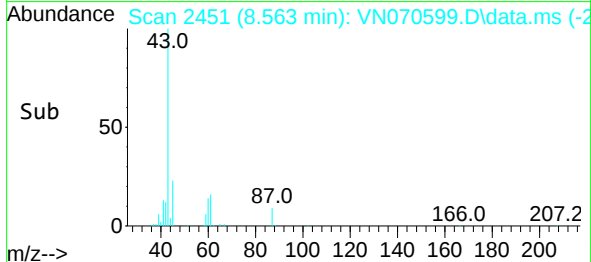
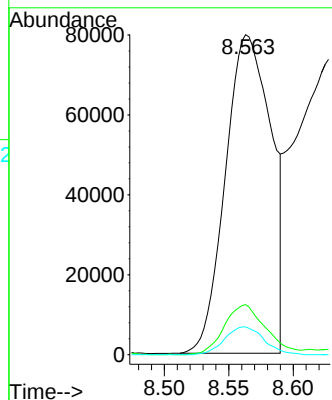


#43
Isopropyl Acetate
Concen: 6.949 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

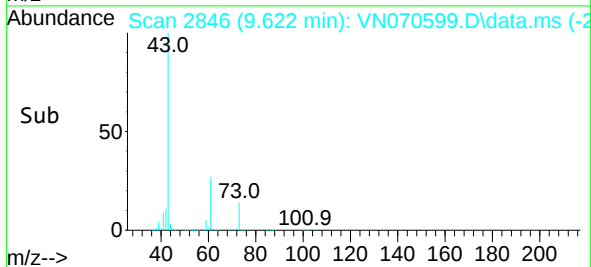
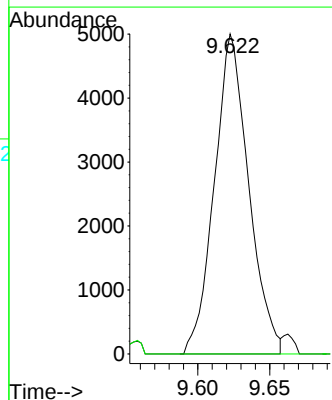
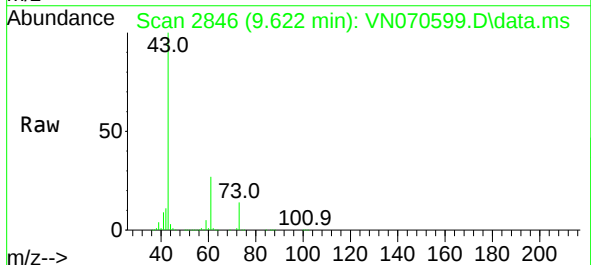


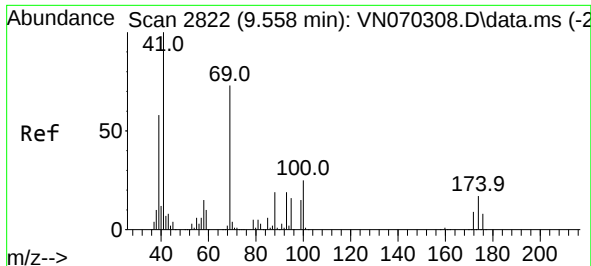
Tgt Ion: 43 Resp: 196420
Ion Ratio Lower Upper
43 100
61 14.4 20.4 30.6#
87 7.5 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.727 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 63 Resp: 8296
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

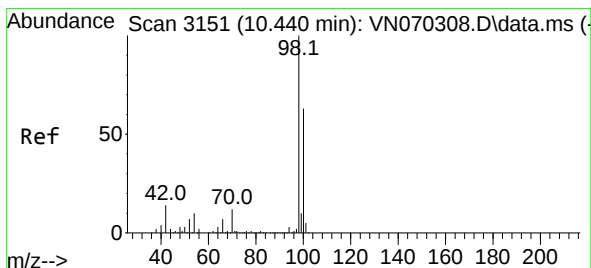
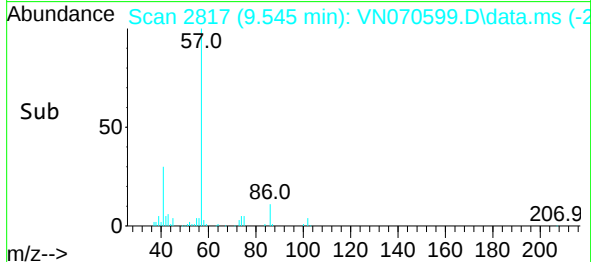
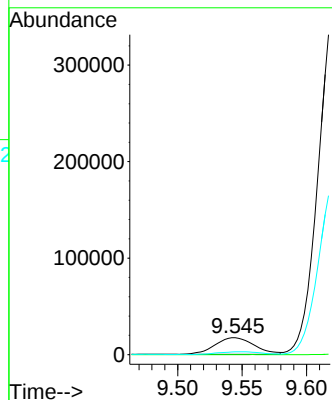
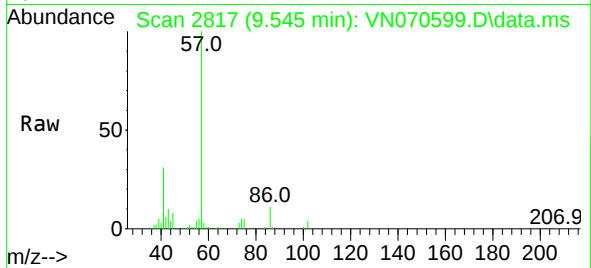




#48
Methyl methacrylate
Concen: 2.701 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

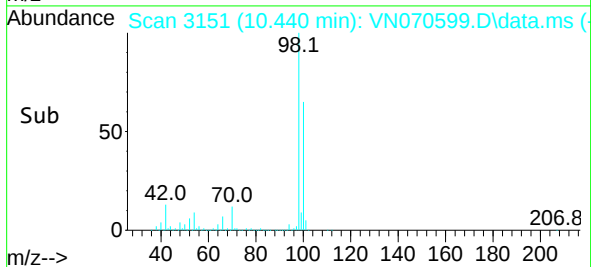
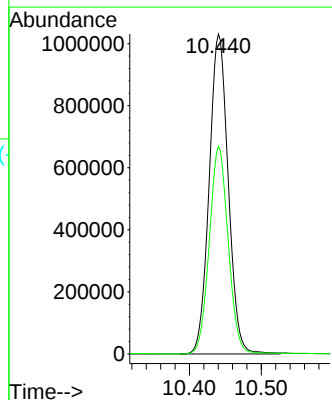
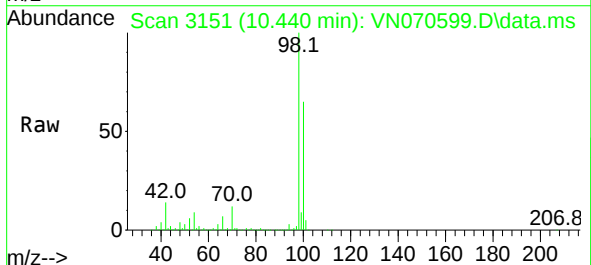
Instrument :
MSVOA_N
ClientSampleId :

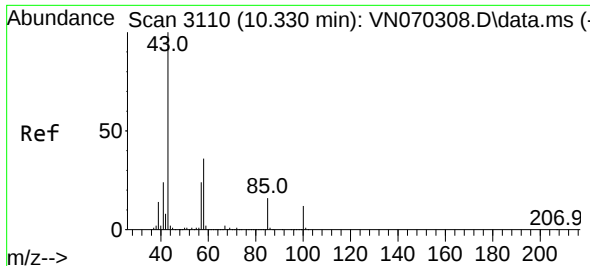
Tgt Ion: 41 Resp: 36420
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#50
Toluene-d8
Concen: 55.493 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 98 Resp: 1895371
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

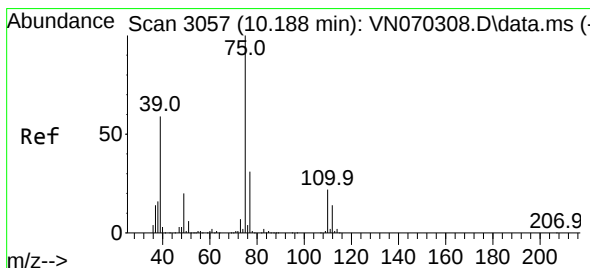
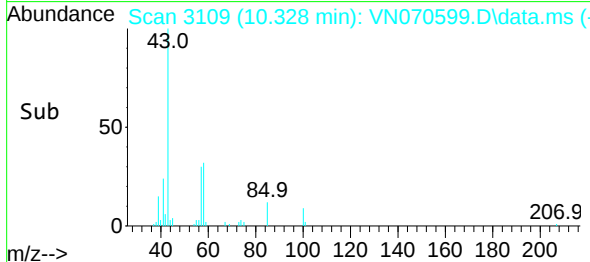
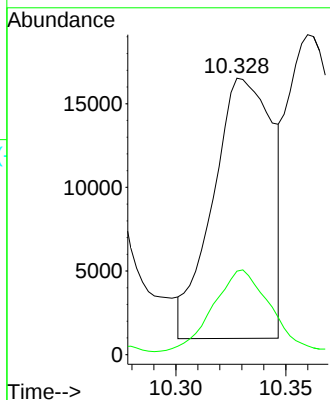
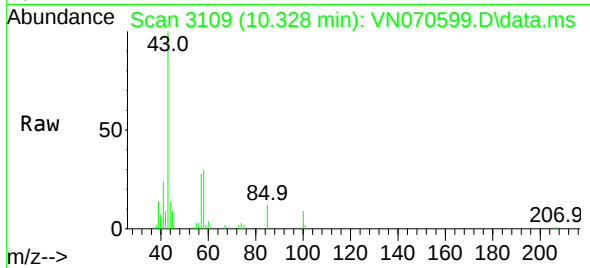




#51
4-Methyl-2-Pentanone
Concen: 1.652 ug/l
RT: 10.328 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

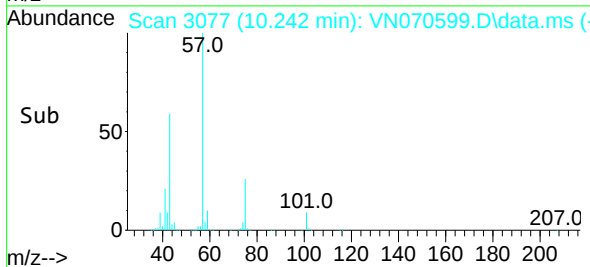
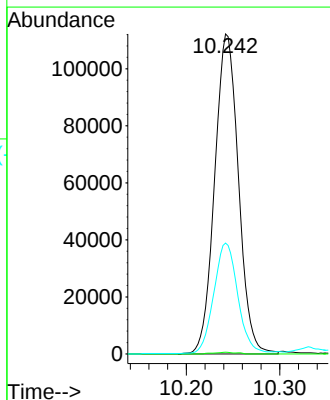
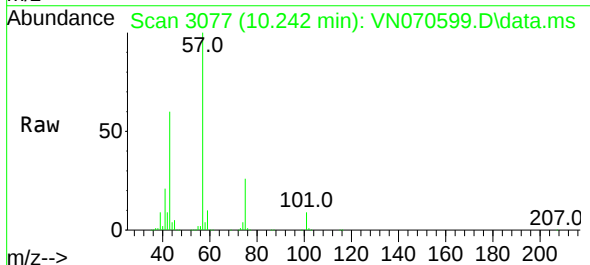
Instrument :
MSVOA_N
ClientSampleId :

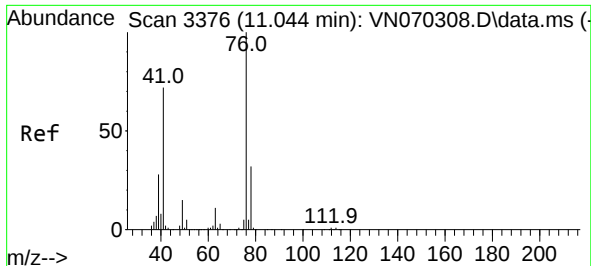
Tgt Ion: 43 Resp: 29336
Ion Ratio Lower Upper
43 100
58 33.5 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 12.017 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 75 Resp: 198368
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 34.5 42.5 63.7#

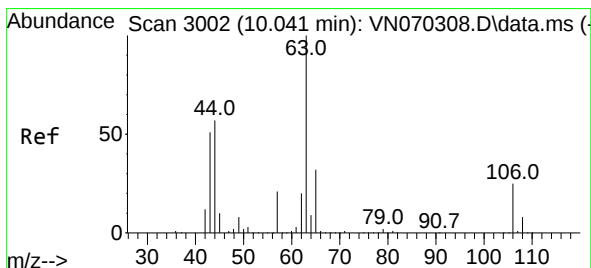
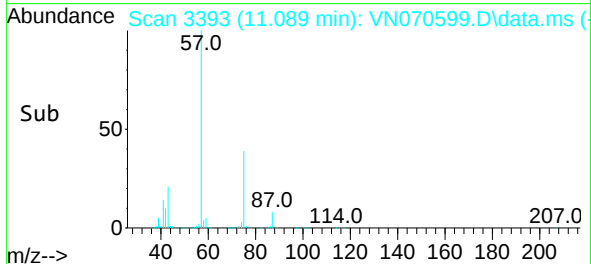
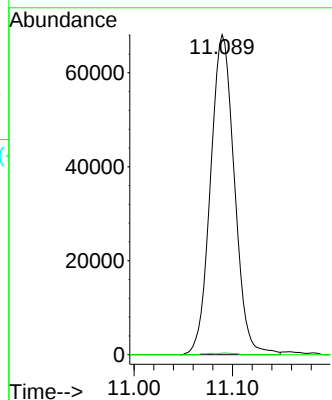
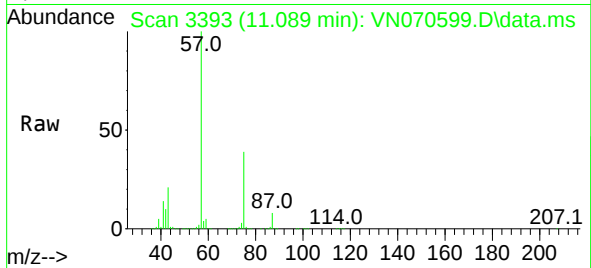




#57
1,3-Dichloropropane
Concen: 6.404 ug/l
RT: 11.089 min Scan# 311
Delta R.T. 0.045 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

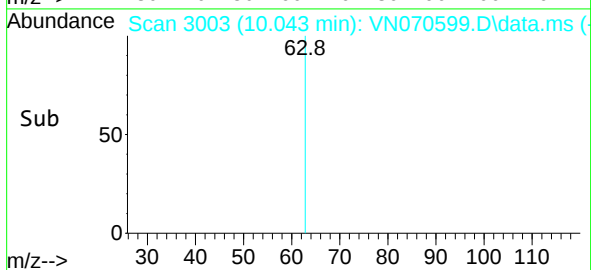
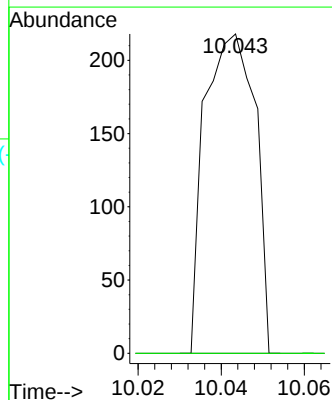
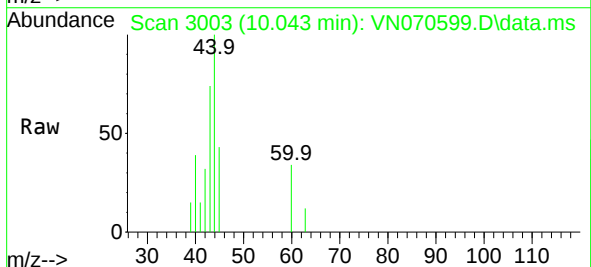
Instrument :
MSVOA_N
ClientSampleId :

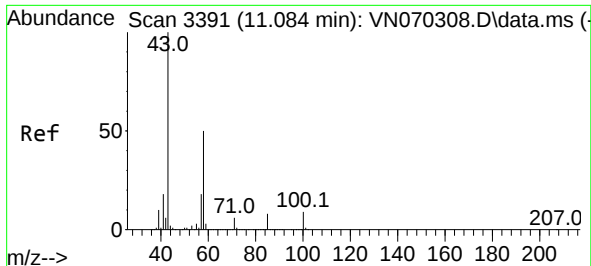
Tgt Ion: 76 Resp: 115022
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#58
2-Chloroethyl Vinyl ether
Concen: 18.553 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.002 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion: 63 Resp: 184
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

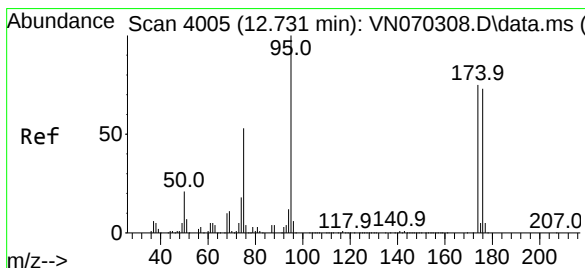
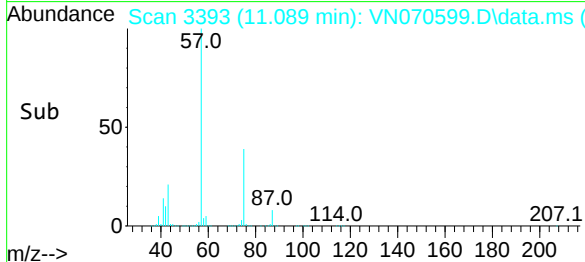
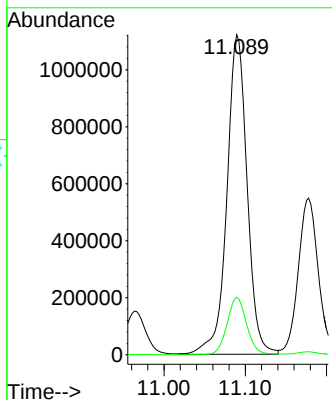
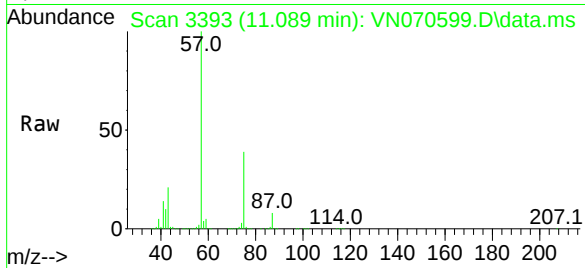




#59
2-Hexanone
Concen: 150.102 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

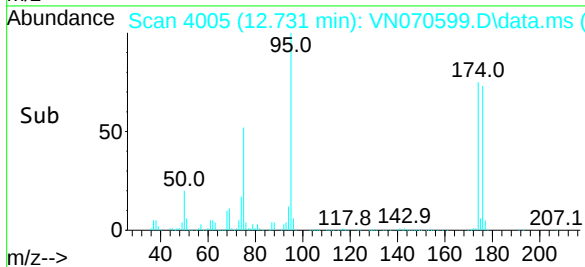
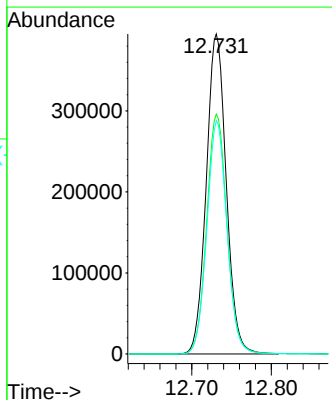
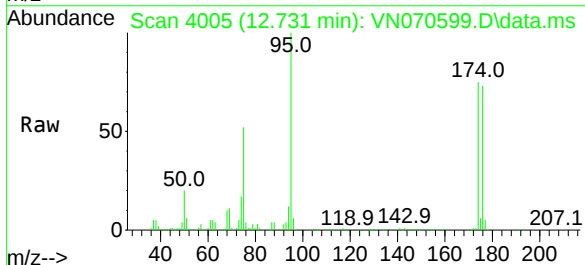
Instrument :
MSVOA_N
ClientSampleId :

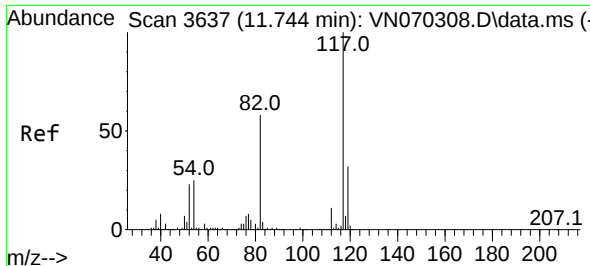
Tgt Ion: 43 Resp: 1944144
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 55.994 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

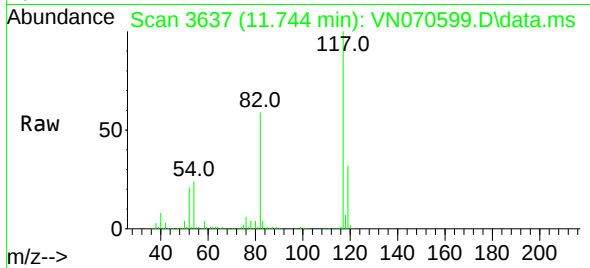
Tgt Ion: 95 Resp: 690740
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.2 0.0 181.4



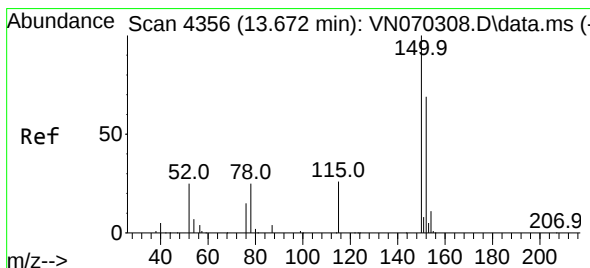
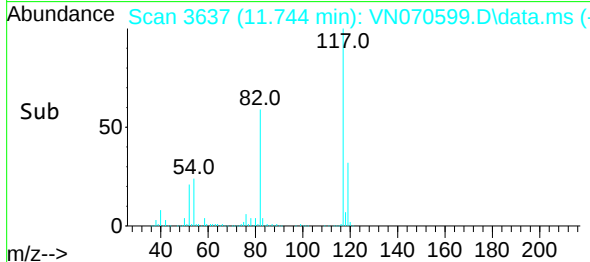
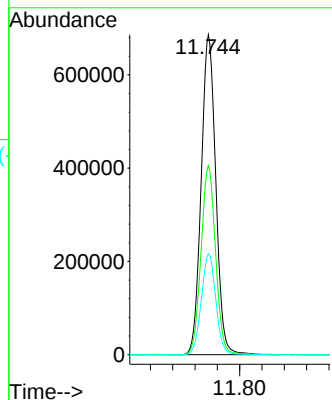


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

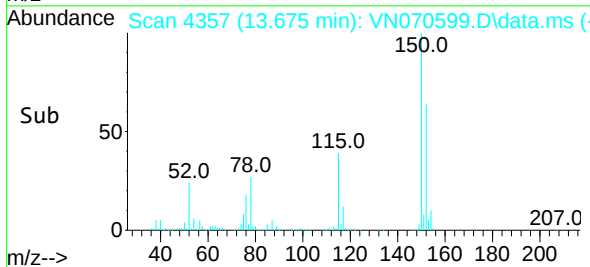
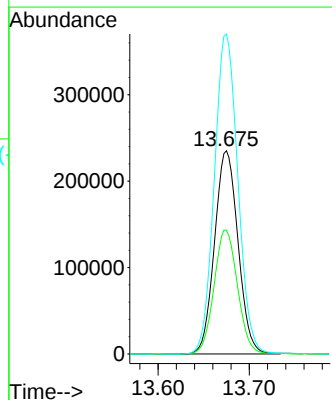
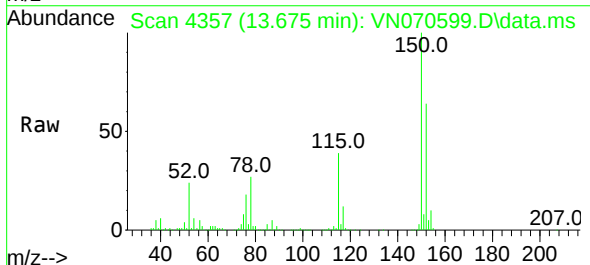


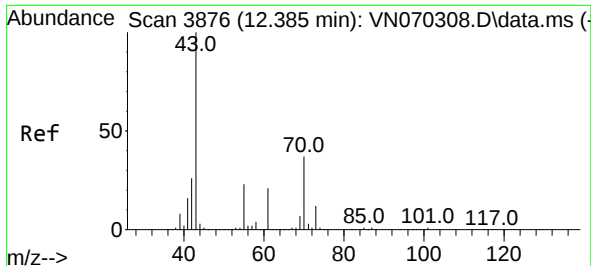
Tgt Ion:117 Resp: 1244544
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

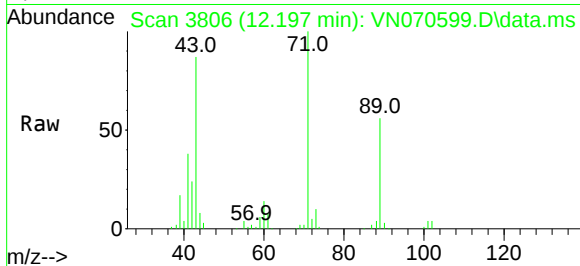
Tgt Ion:152 Resp: 420956
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 157.9 0.0 344.4



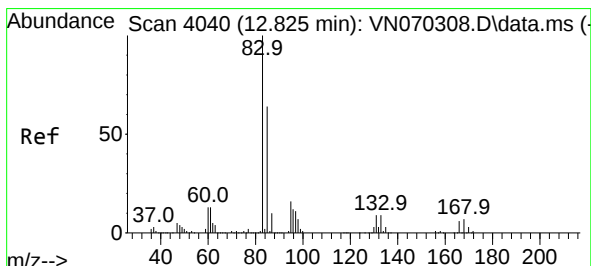
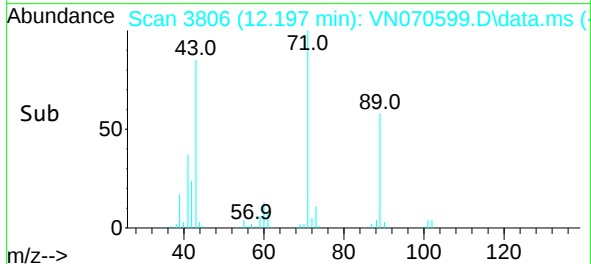
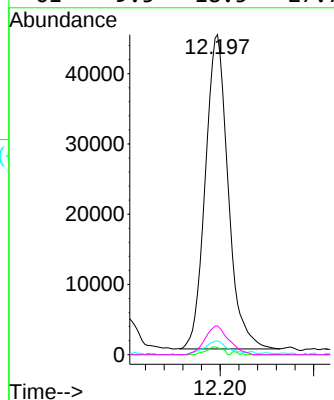


#74
N-amy1 acetate
Concen: 4.619 ug/l
RT: 12.197 min Scan# 3876
Delta R.T. -0.188 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

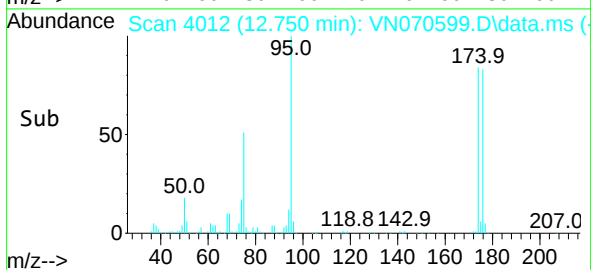
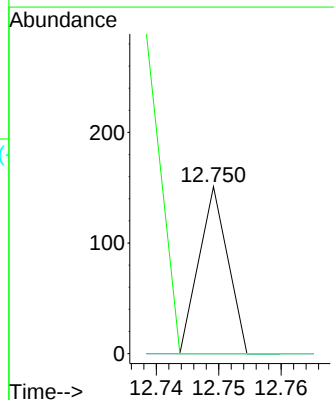
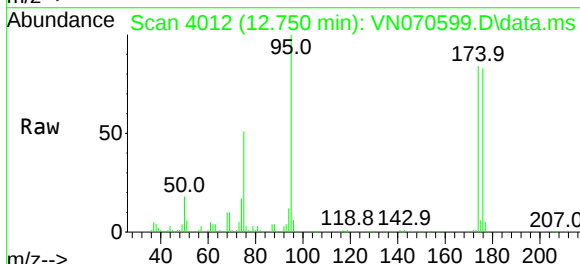


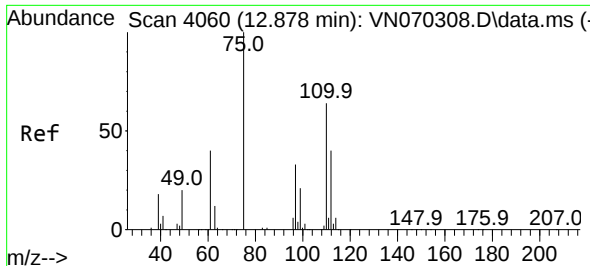
Tgt Ion:	43	Resp:	75916
Ion	Ratio	Lower	Upper
43	100		
70	1.8	33.4	50.0#
55	4.6	19.3	28.9#
61	9.5	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.750 min Scan# 4012
Delta R.T. -0.075 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

Tgt Ion:	83	Resp:	24
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	32.4	97.2#

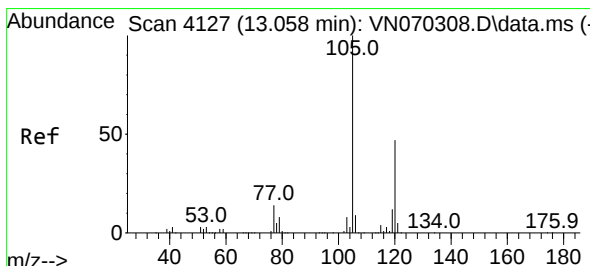
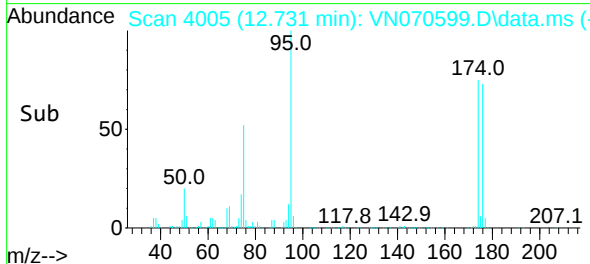
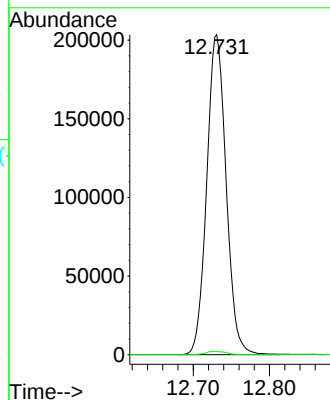
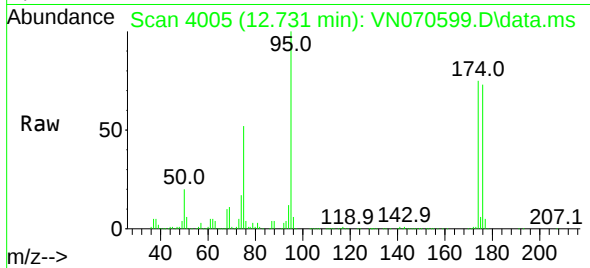




#76
 1,2,3-Trichloropropane
 Concen: 29.976 ug/l
 RT: 12.731 min Scan# 4060
 Delta R.T. -0.147 min
 Lab File: VN070599.D
 Acq: 12 Jan 2022 20:39

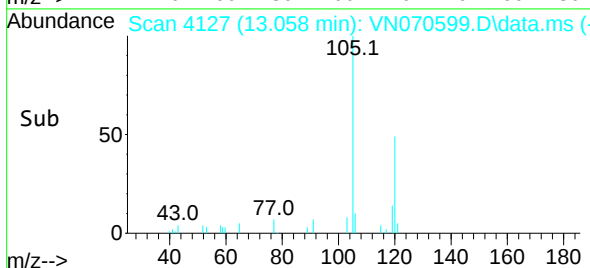
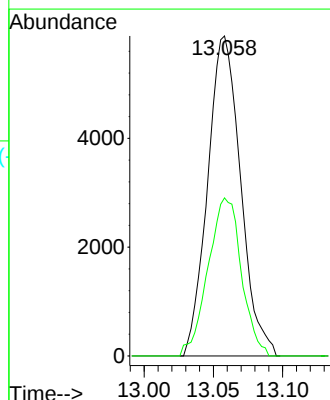
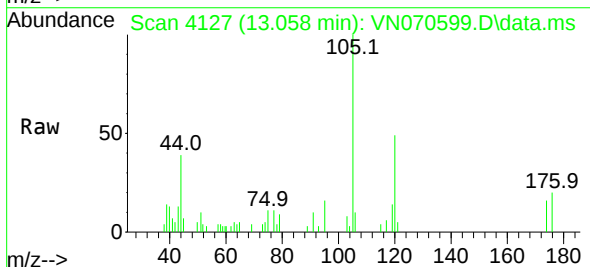
Instrument :
 MSVOA_N
 ClientSampleId :

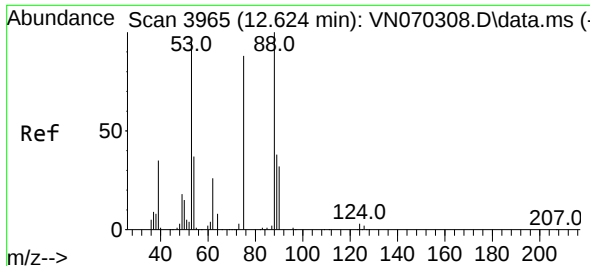
Tgt Ion: 75 Resp: 359138
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.311 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.000 min
 Lab File: VN070599.D
 Acq: 12 Jan 2022 20:39

Tgt Ion: 105 Resp: 9737
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.6

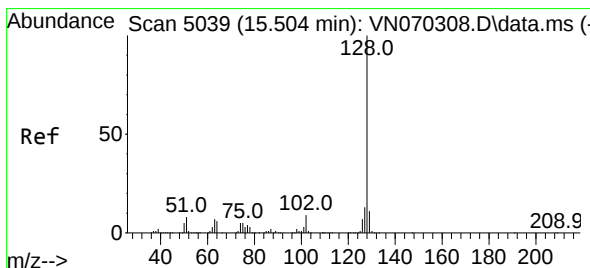
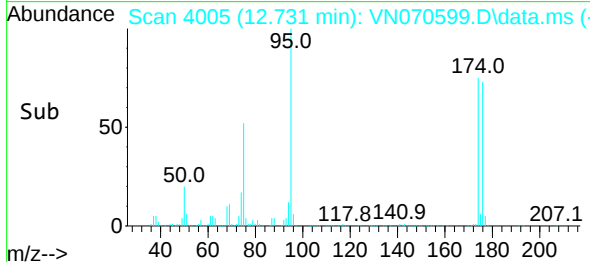
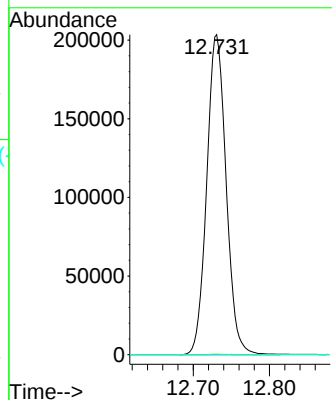
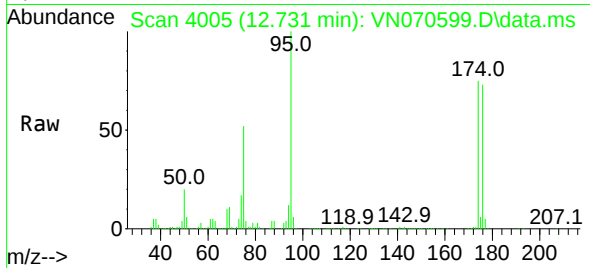




#81
trans-1,4-Dichloro-2-butene
Concen: 104.235 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

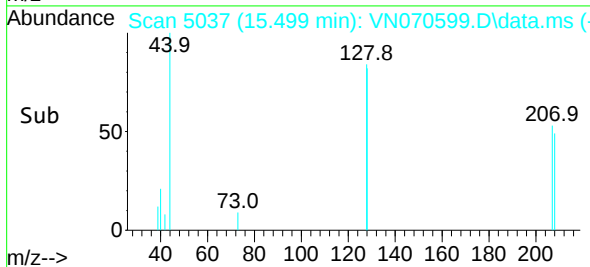
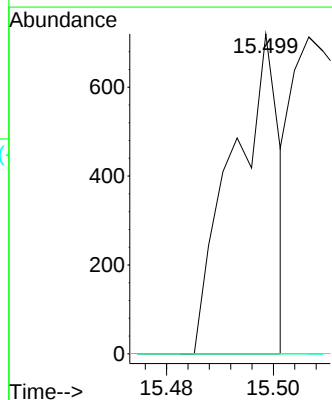
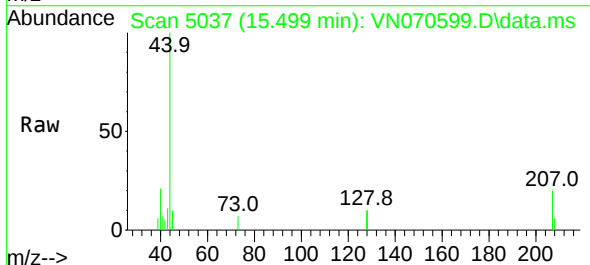
Instrument :
MSVOA_N
ClientSampleId :

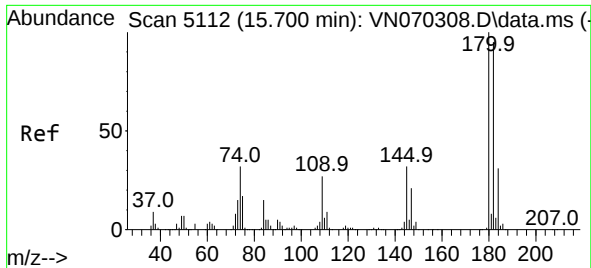
Tgt Ion: 75 Resp: 359138
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.819 ug/l
RT: 15.499 min Scan# 5037
Delta R.T. -0.005 min
Lab File: VN070599.D
Acq: 12 Jan 2022 20:39

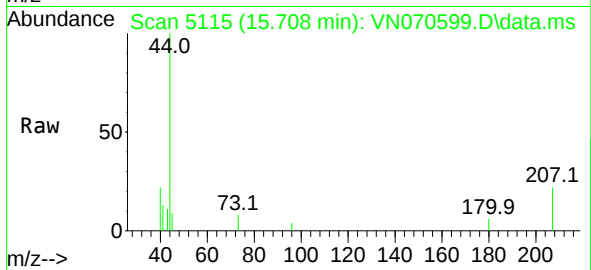
Tgt Ion: 128 Resp: 441
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.841 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.008 min
 Lab File: VN070599.D
 Acq: 12 Jan 2022 20:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	50.5	47.4	142.2
145	0.0	15.0	45.1#

