

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070527.D
 Acq On : 6 Jan 2022 18:34
 Operator : JC/MD
 Sample : PB141860TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:41:46 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	869905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1497656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1352794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	459692	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	676320	54.073	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.140%	
35) Dibromofluoromethane	8.021	113	475421	52.466	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.940%	
50) Toluene-d8	10.440	98	1956460	52.852	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.700%	
62) 4-Bromofluorobenzene	12.731	95	698801	52.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.540%	

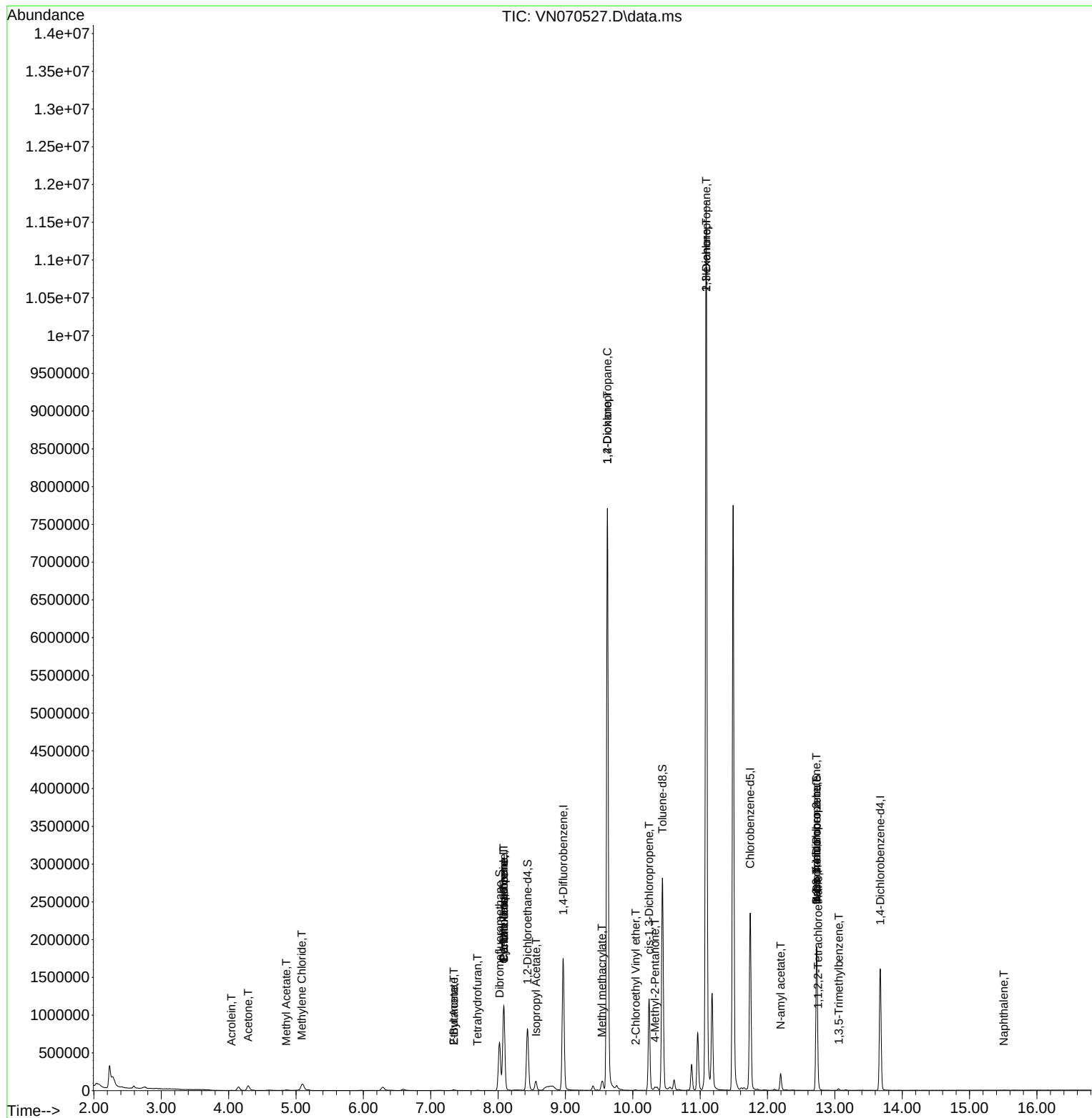
Target Compounds				Qvalue		
13) Acrolein	4.041	56	1724	1.020	ug/l #	61
16) Acetone	4.288	43	113333	13.958	ug/l	100
18) Methyl Acetate	4.854	43	7388	0.315	ug/l #	71
20) Methylene Chloride	5.087	84	62803	5.591	ug/l	90
25) 2-Butanone	7.343	43	19721	1.929	ug/l #	84
29) Tetrahydrofuran	7.694	42	1764	0.289	ug/l #	67
31) Cyclohexane	8.088	56	19613	0.994	ug/l #	4
36) 1,1-Dichloropropene	8.083	75	68240	4.552	ug/l #	49
37) Ethyl Acetate	7.343	43	19721	1.015	ug/l #	68
38) Carbon Tetrachloride	8.083	117	84130	5.877	ug/l #	17
43) Isopropyl Acetate	8.563	43	142463	4.650	ug/l #	88
45) 1,2-Dichloropropane	9.622	63	8979	0.726	ug/l #	44
48) Methyl methacrylate	9.542	41	37351	2.556	ug/l #	8
49) 1,4-Dioxane	9.622	88	960	4.488	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	22813	1.185	ug/l	95
54) cis-1,3-Dichloropropene	10.242	75	203154	11.355	ug/l #	66
57) 1,3-Dichloropropane	11.089	76	118219	6.073	ug/l #	44
58) 2-Chloroethyl Vinyl ether	10.044	63	3380	19.187	ug/l	90
59) 2-Hexanone	11.089	43	2015921	143.608	ug/l #	49
71) Bromoform	12.728	173	5636	0.741	ug/l #	1
74) N-amyl acetate	12.194	43	79527	4.431	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.750	83	55	0.451	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	361452	27.841	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	6974	0.204	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.728	75	361452	96.067	ug/l #	5
95) Naphthalene	15.507	128	1997	1.889	ug/l #	77

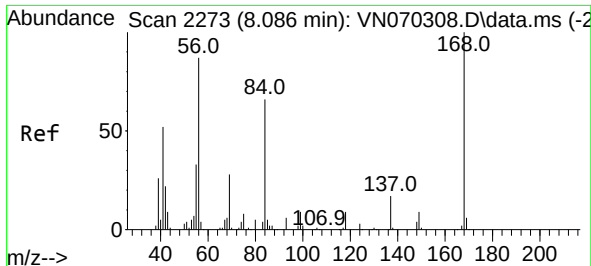
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
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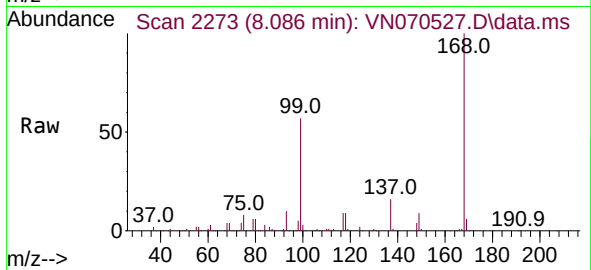
Quant Time: Jan 08 01:41:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration



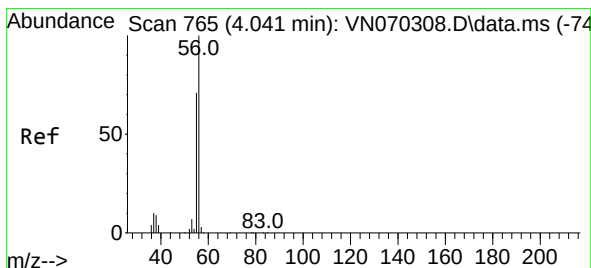
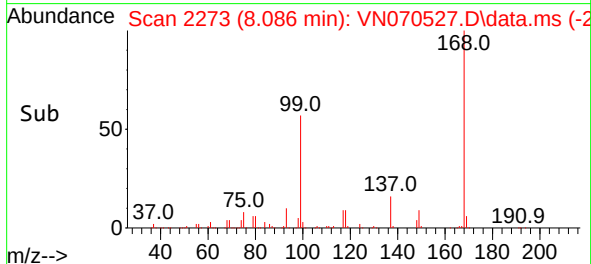
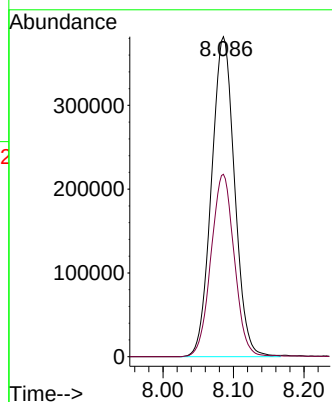


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Instrument :
MSVOA_N
ClientSampleId :

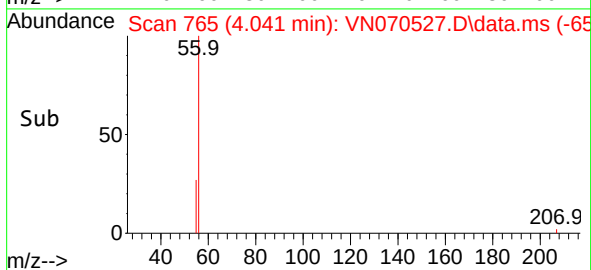
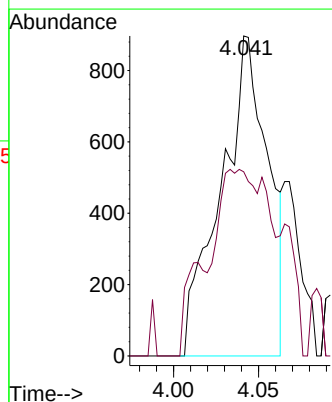
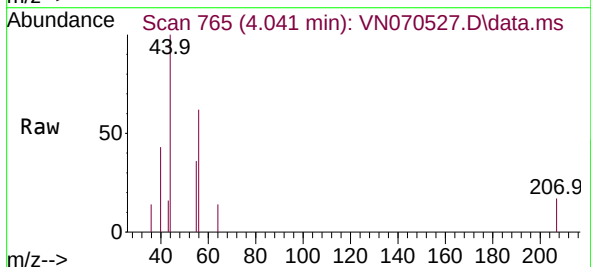


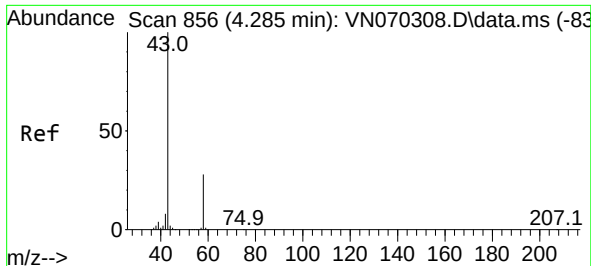
Tgt Ion:168 Resp: 869905
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#13
Acrolein
Concen: 1.020 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Tgt Ion: 56 Resp: 1724
Ion Ratio Lower Upper
56 100
55 38.9 56.6 85.0#

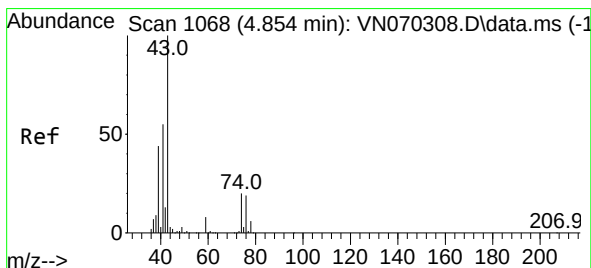
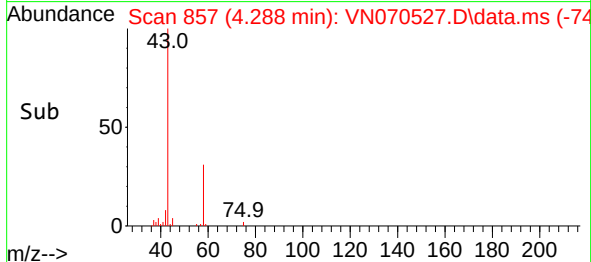
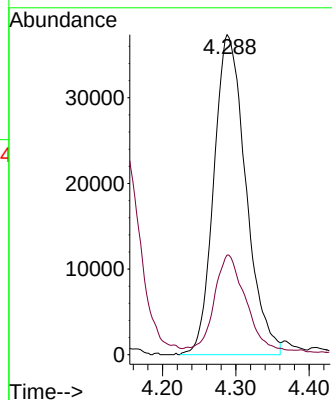
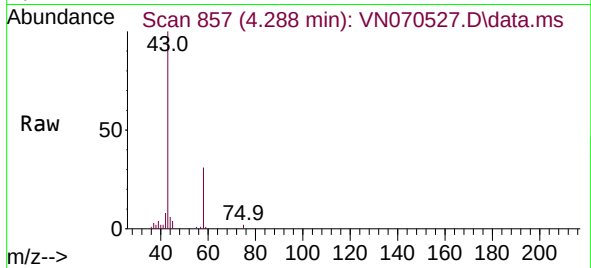




#16
Acetone
Concen: 13.958 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

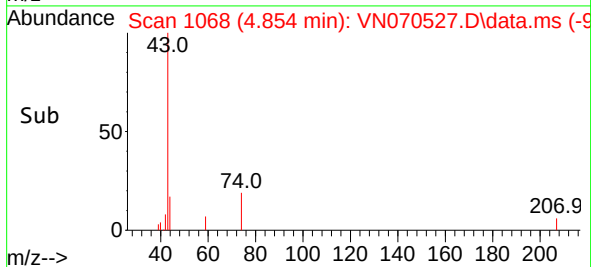
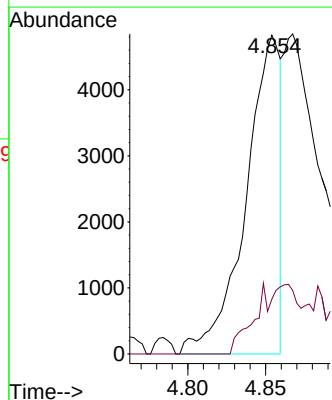
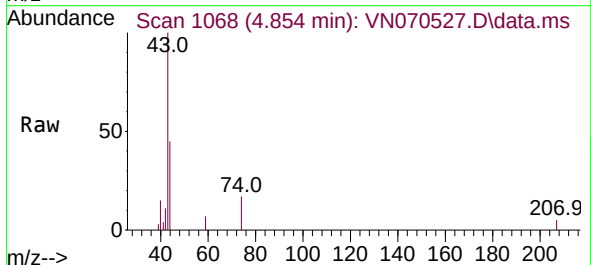
Instrument :
MSVOA_N
ClientSampleId :

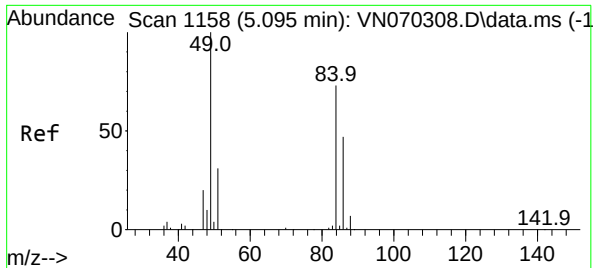
Tgt Ion: 43 Resp: 113333
Ion Ratio Lower Upper
43 100
58 29.2 23.1 34.7



#18
Methyl Acetate
Concen: 0.315 ug/l
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

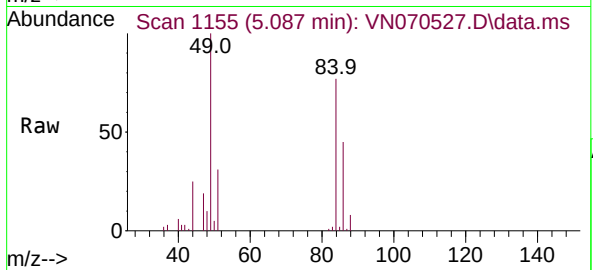
Tgt Ion: 43 Resp: 7388
Ion Ratio Lower Upper
43 100
74 9.9 19.4 29.2#



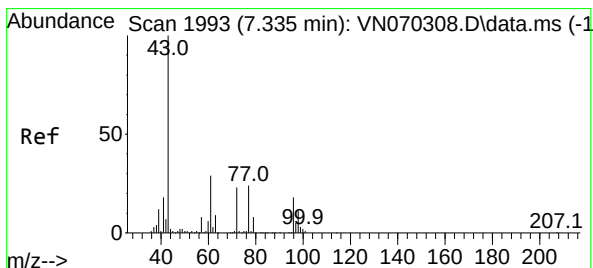
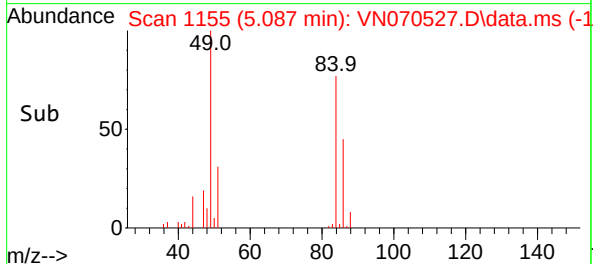
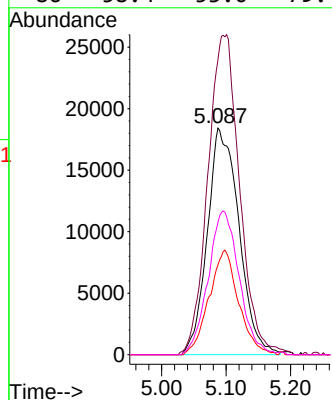


#20
Methylene Chloride
Concen: 5.591 ug/l
RT: 5.087 min Scan# 1155
Delta R.T. -0.008 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Instrument :
MSVOA_N
ClientSampleId :

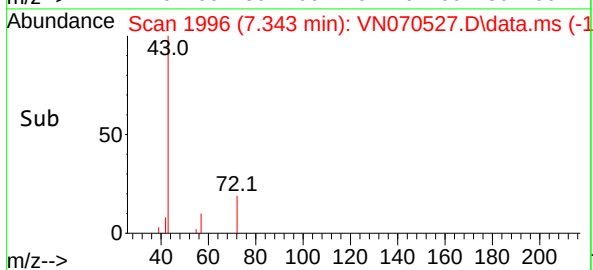
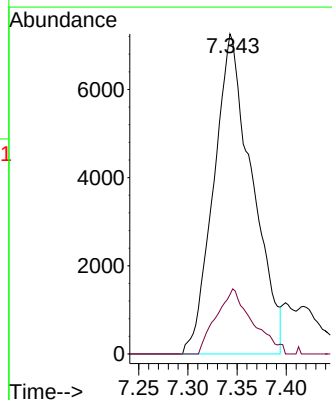
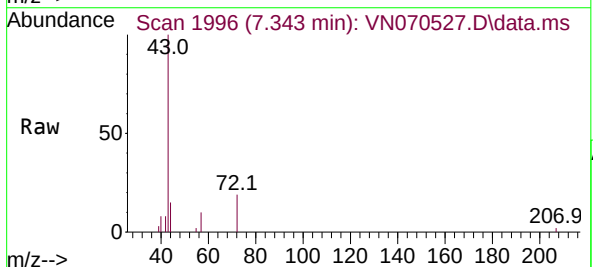


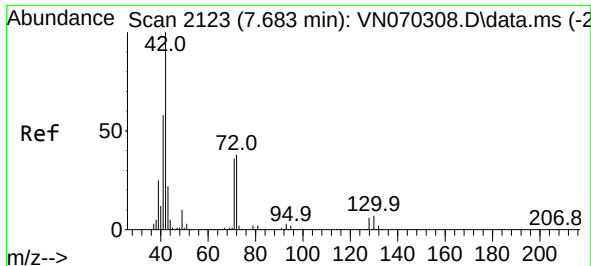
Tgt Ion:	84	Resp:	62803
Ion	Ratio	Lower	Upper
84	100		
49	129.1	93.5	140.3
51	39.7	29.4	44.2
86	58.4	53.0	79.4



#25
2-Butanone
Concen: 1.929 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Tgt Ion:	43	Resp:	19721
Ion	Ratio	Lower	Upper
43	100		
72	18.5	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 7.694 min Scan# 2123

Delta R.T. 0.011 min

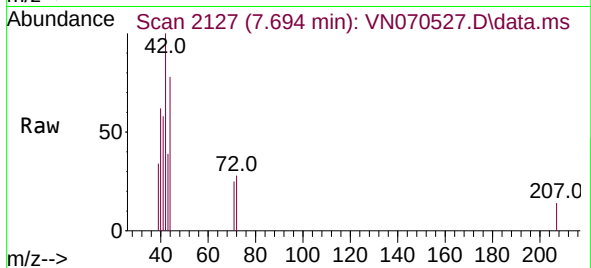
Lab File: VN070527.D

Acq: 6 Jan 2022 18:34

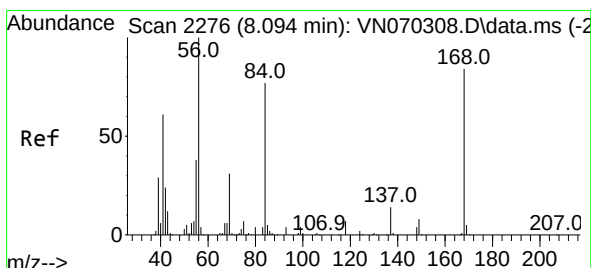
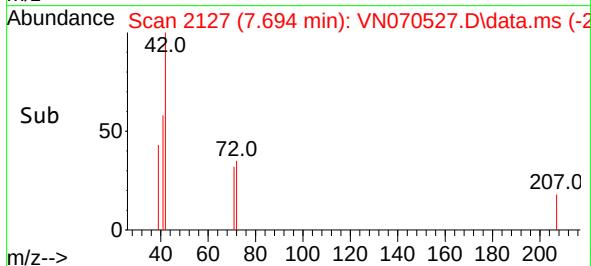
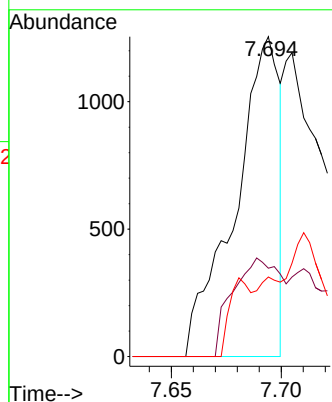
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1764
Ion	Ratio	Lower	Upper
42	100		
72	33.8	36.3	54.5#
71	11.5	34.7	52.1#



#31

Cyclohexane

Concen: 0.994 ug/l

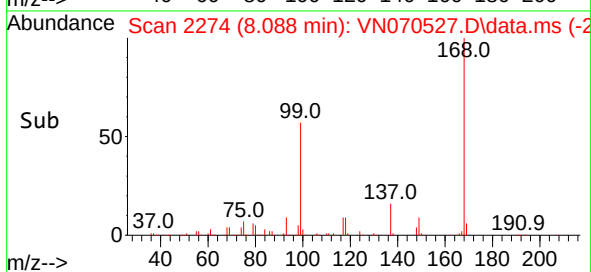
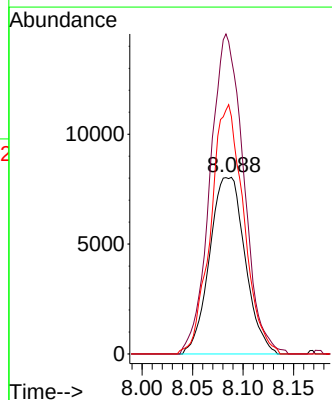
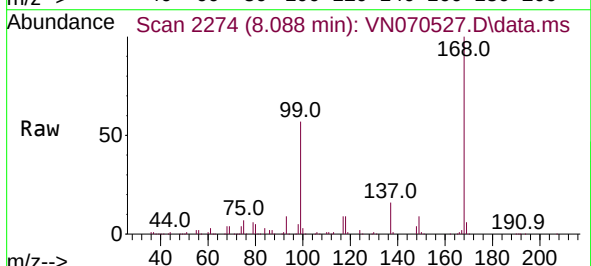
RT: 8.088 min Scan# 2274

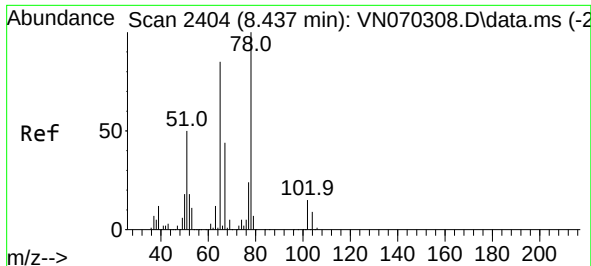
Delta R.T. -0.006 min

Lab File: VN070527.D

Acq: 6 Jan 2022 18:34

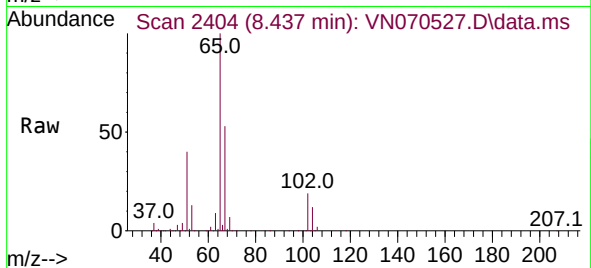
Tgt Ion:	56	Resp:	19613
Ion	Ratio	Lower	Upper
56	100		
69	167.1	27.1	40.7#
84	134.4	73.4	110.0#



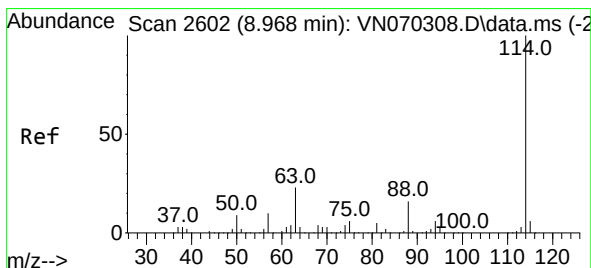
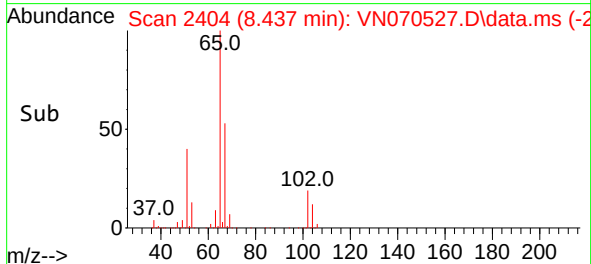
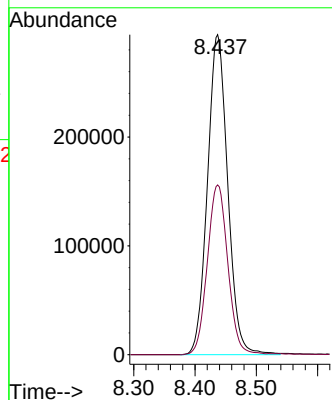


#33
 1,2-Dichloroethane-d4
 Concen: 54.073 ug/l
 RT: 8.437 min Scan# 2404
 Delta R.T. 0.000 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

Instrument :
 MSVOA_N
 ClientSampleId :

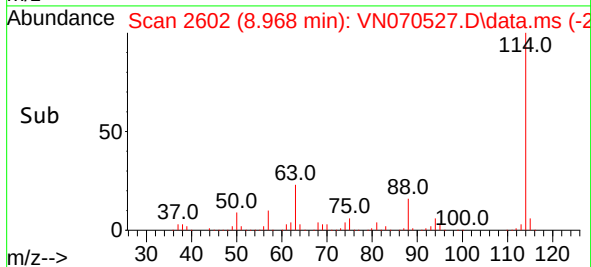
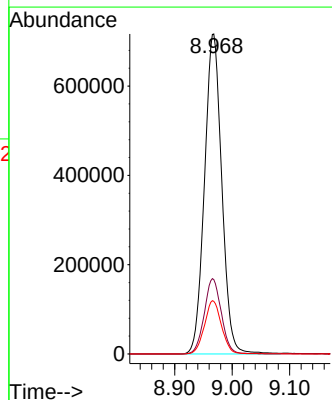
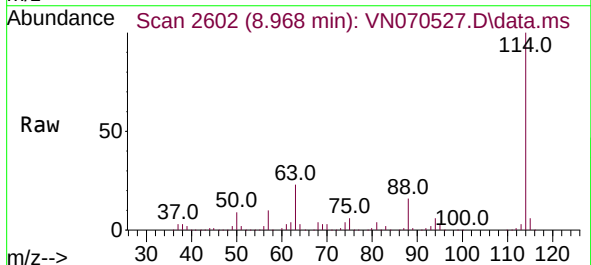


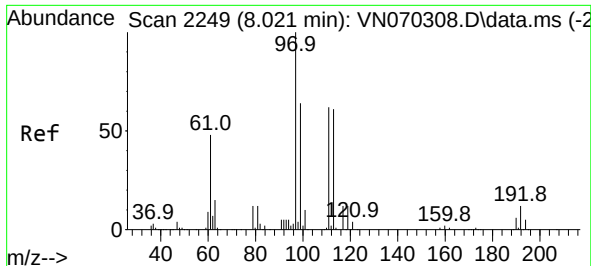
Tgt Ion: 65 Resp: 676320
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

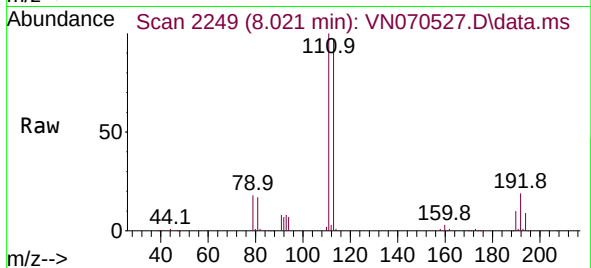
Tgt Ion: 114 Resp: 1497656
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 37.8
 88 16.5 0.0 27.4



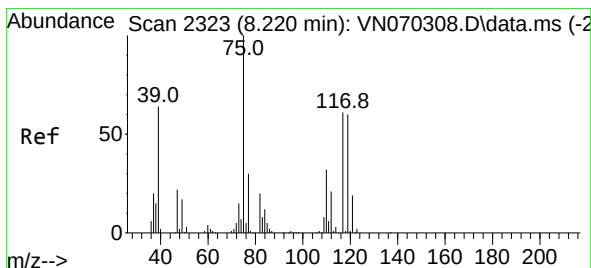
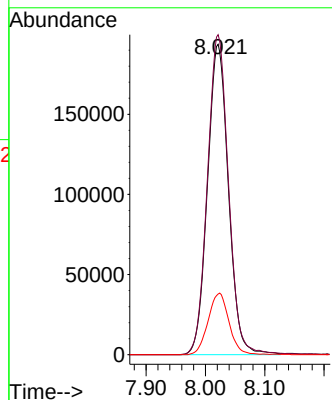
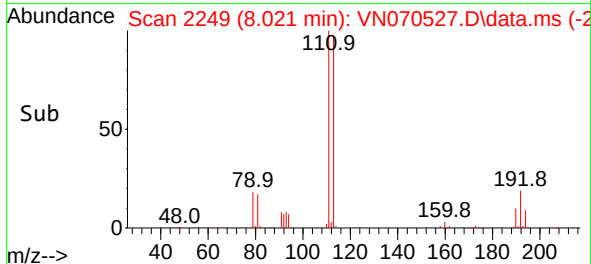


#35
Dibromofluoromethane
Concen: 52.466 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Instrument :
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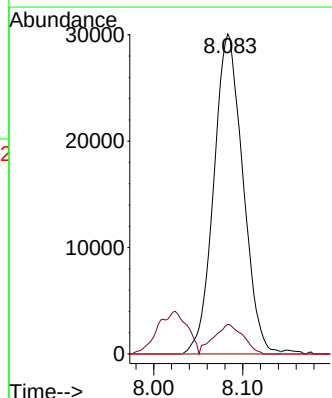
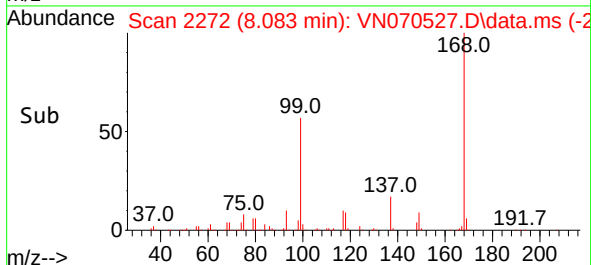
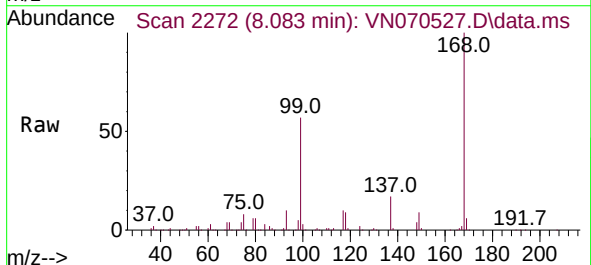


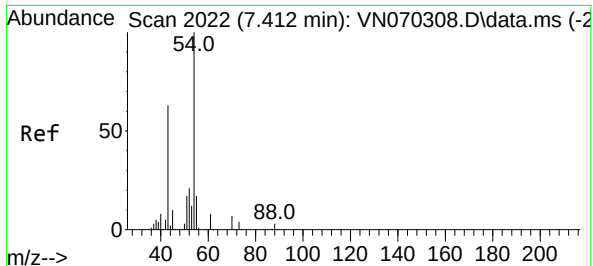
Tgt Ion:113 Resp: 475421
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.552 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Tgt Ion: 75 Resp: 68240
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.015 ug/l

RT: 7.343 min Scan# 19

Delta R.T. -0.069 min

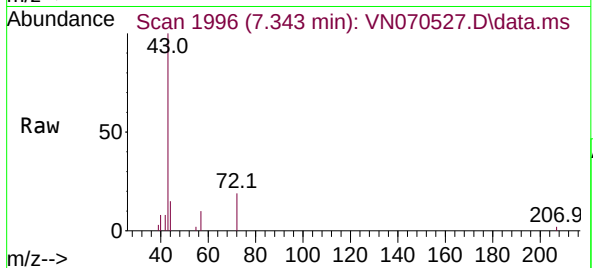
Lab File: VN070527.D

Acq: 6 Jan 2022 18:34

Instrument :

MSVOA_N

ClientSampleId :



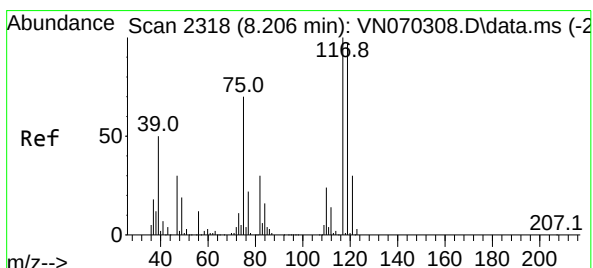
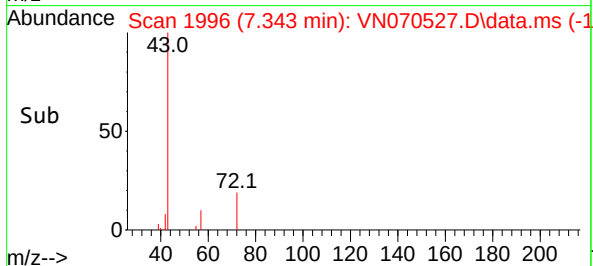
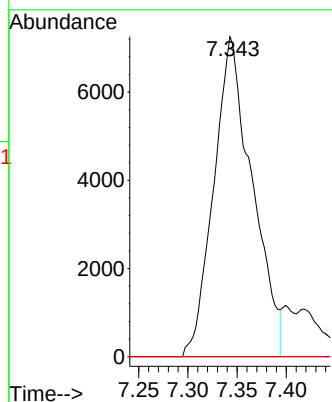
Tgt Ion: 43 Resp: 19721

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.877 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.123 min

Lab File: VN070527.D

Acq: 6 Jan 2022 18:34

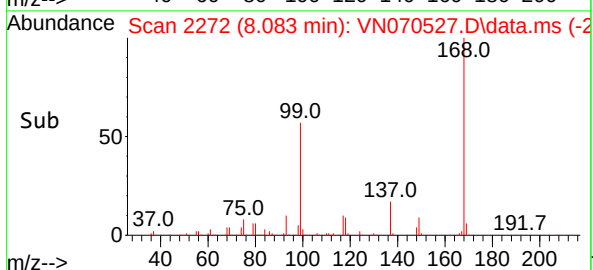
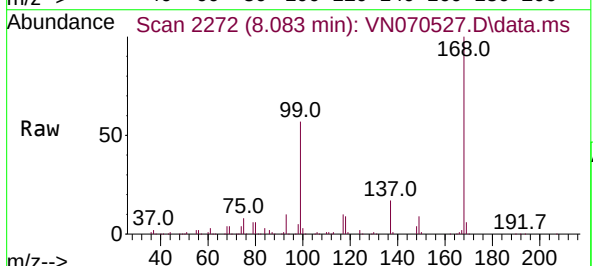
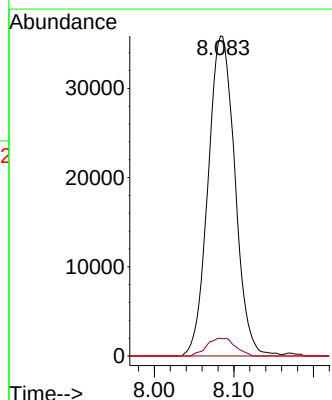
Tgt Ion: 117 Resp: 84130

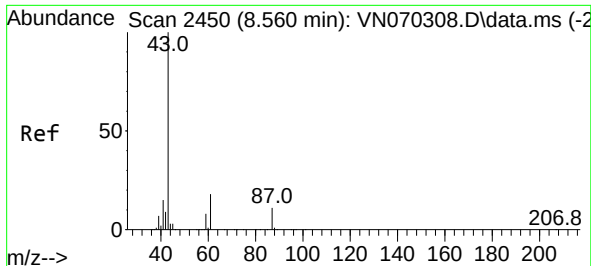
Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

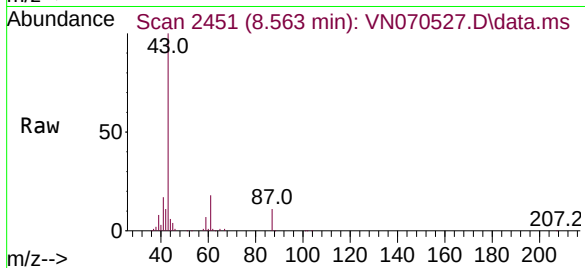
121 0.0 24.2 36.2#



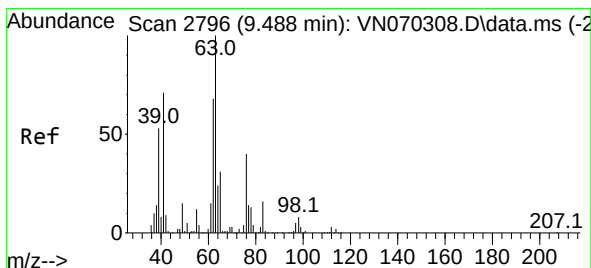
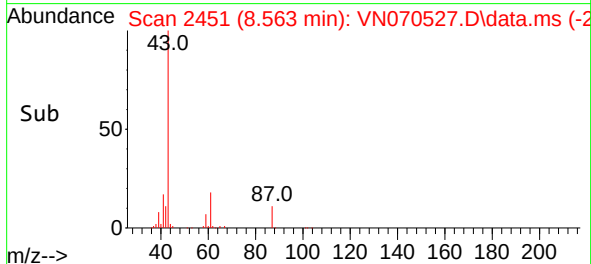
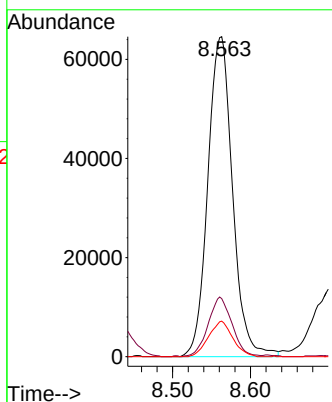


#43
Isopropyl Acetate
Concen: 4.650 ug/l
RT: 8.563 min Scan# 2450
Delta R.T. 0.003 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Instrument :
MSVOA_N
ClientSampleId :

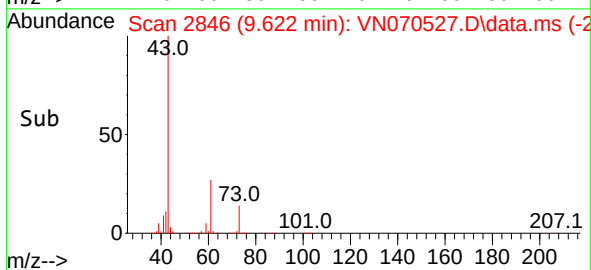
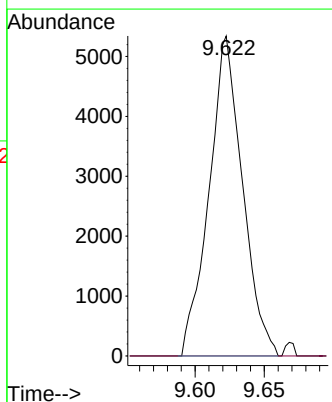
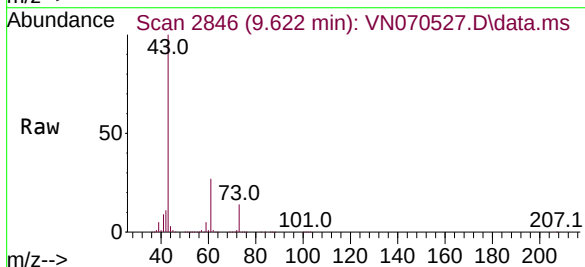


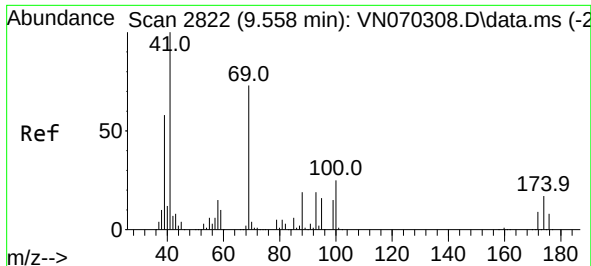
Tgt Ion: 43 Resp: 142463
Ion Ratio Lower Upper
43 100
61 18.0 20.4 30.6#
87 10.8 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.726 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.134 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Tgt Ion: 63 Resp: 8979
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

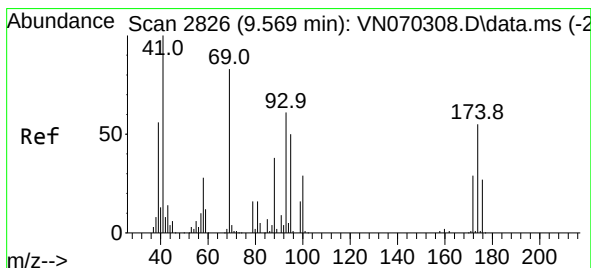
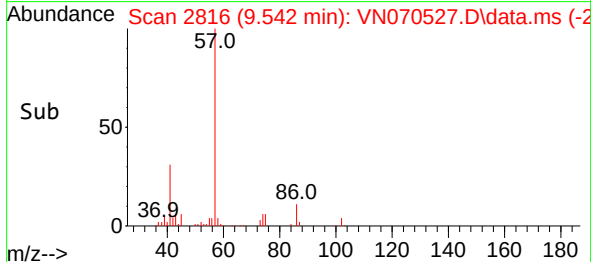
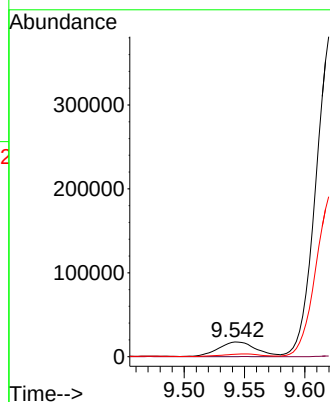
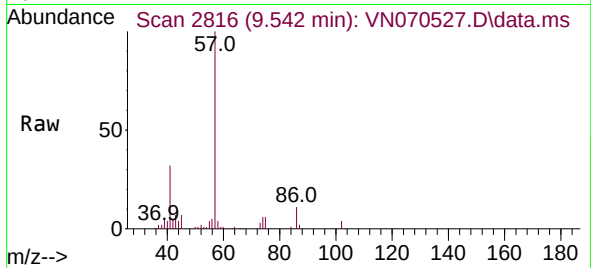




#48
Methyl methacrylate
Concen: 2.556 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.016 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

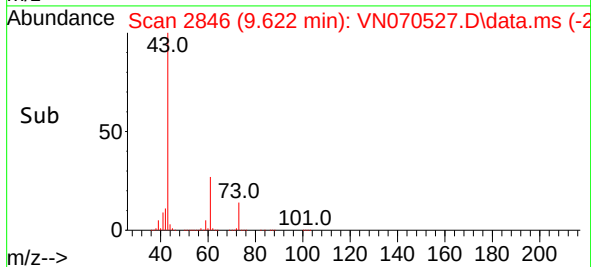
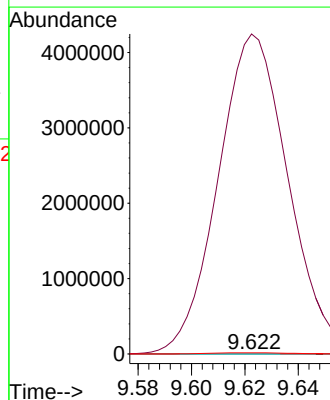
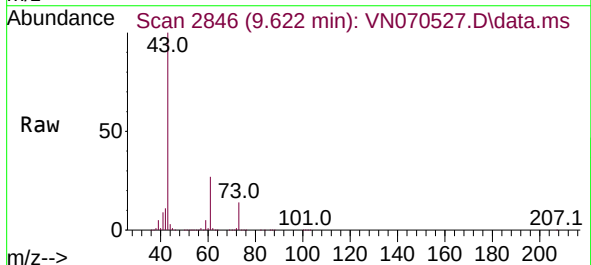
Instrument :
MSVOA_N
ClientSampleId :

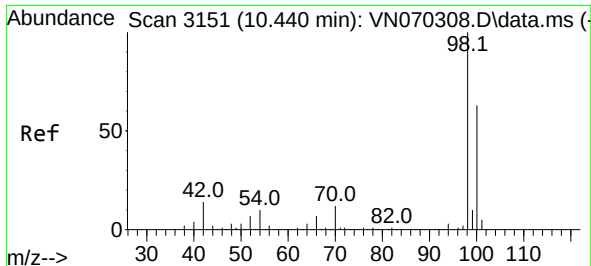
Tgt Ion: 41 Resp: 37351
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 4.488 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Tgt Ion: 88 Resp: 960
Ion Ratio Lower Upper
88 100
43 826352.8 23.4 35.2#
58 3220.9 50.6 75.8#

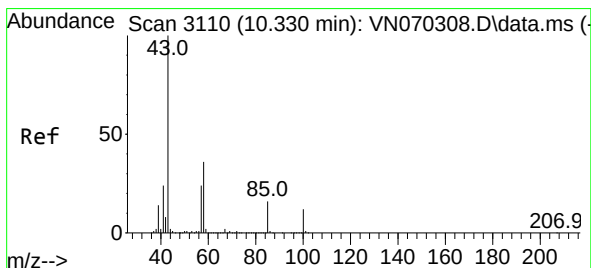
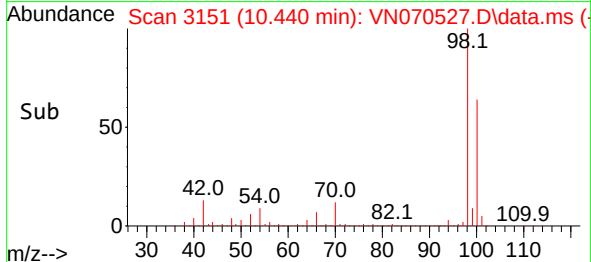
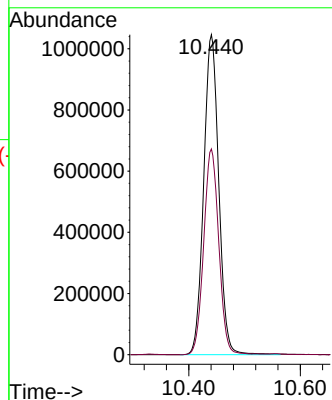
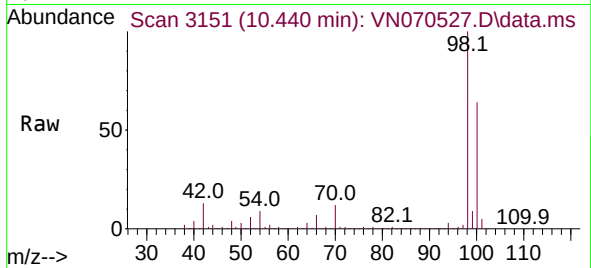




#50
Toluene-d8
Concen: 52.852 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

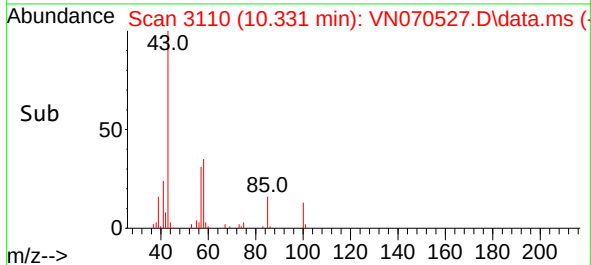
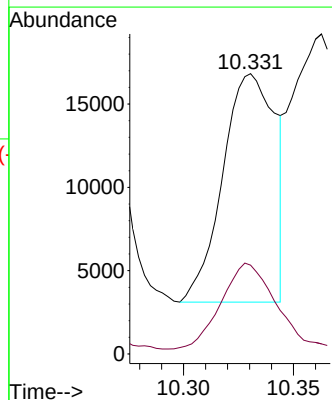
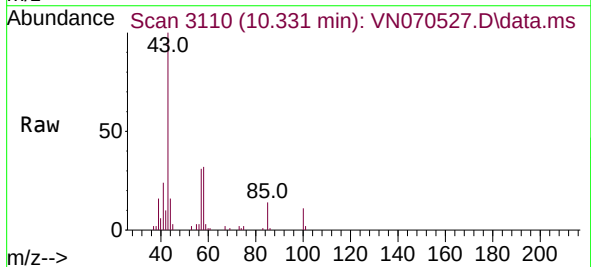
Instrument :
MSVOA_N
ClientSampleId :

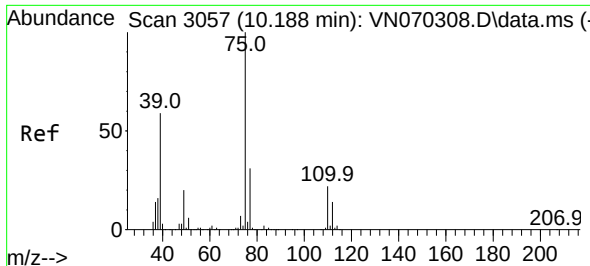
Tgt Ion: 98 Resp: 1956460
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.185 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

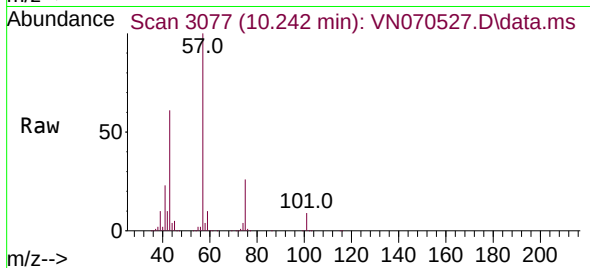
Tgt Ion: 43 Resp: 22813
Ion Ratio Lower Upper
43 100
58 41.0 30.4 45.6



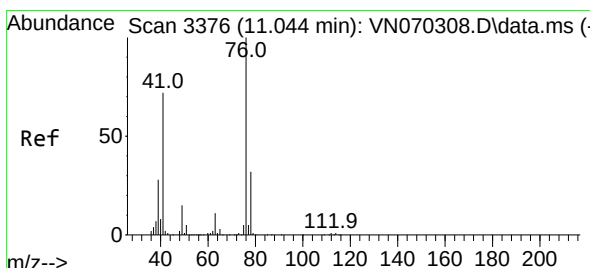
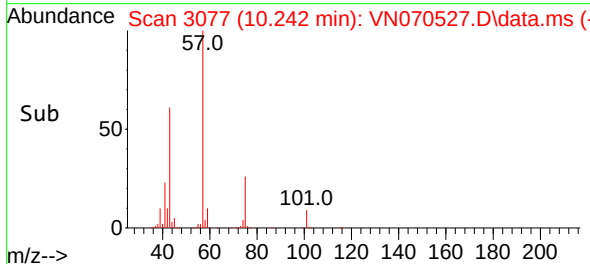
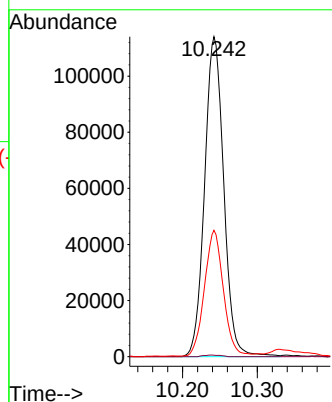


#54
 cis-1,3-Dichloropropene
 Concen: 11.355 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

Instrument :
 MSVOA_N
 ClientSampleId :

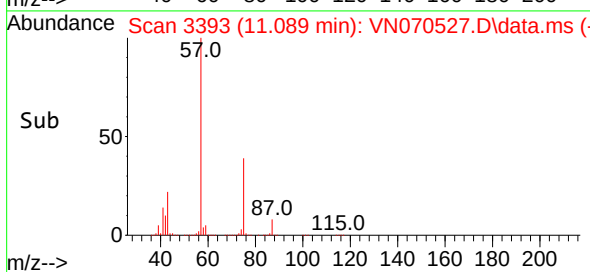
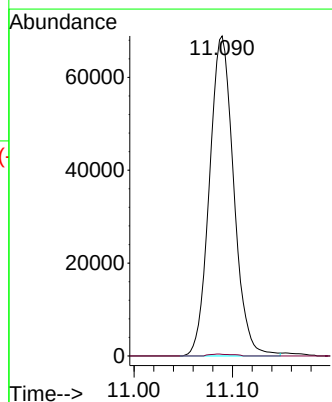
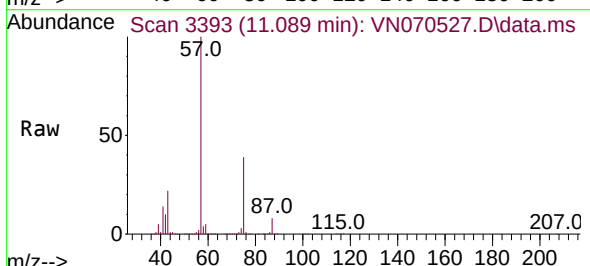


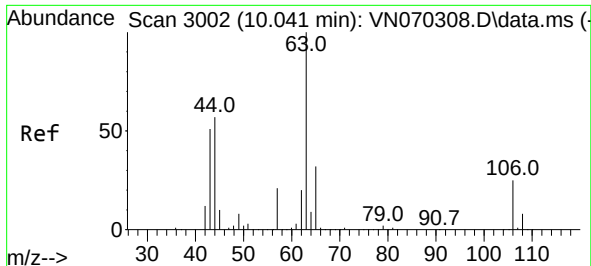
Tgt Ion: 75 Resp: 203154
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 39.3 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 6.073 ug/l
 RT: 11.089 min Scan# 3393
 Delta R.T. 0.045 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

Tgt Ion: 76 Resp: 118219
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.7 38.5#

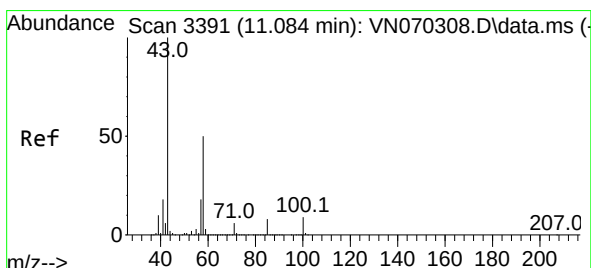
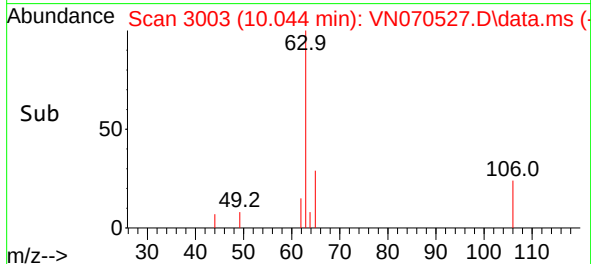
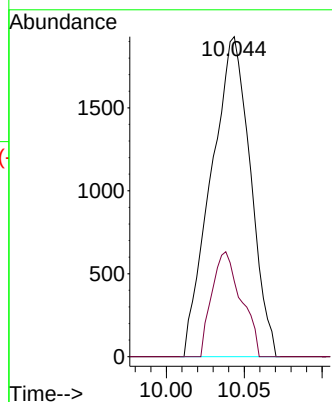
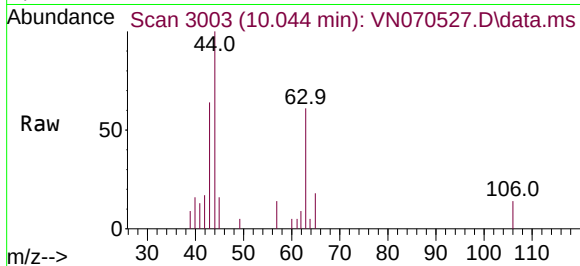




#58
2-Chloroethyl Vinyl ether
Concen: 19.187 ug/l
RT: 10.044 min Scan# 3002
Delta R.T. 0.003 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

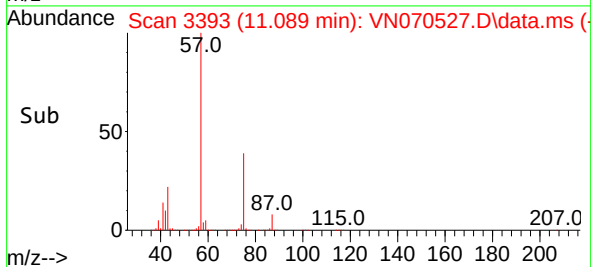
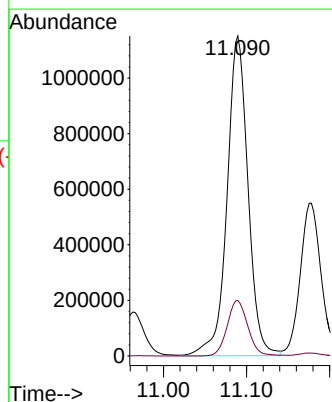
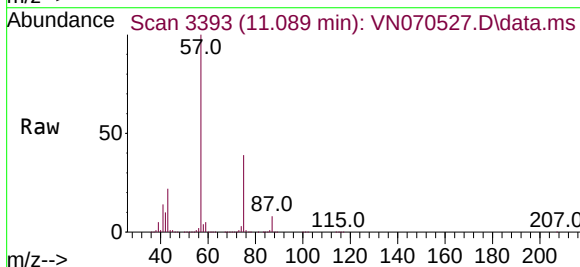
Instrument :
MSVOA_N
ClientSampleId :

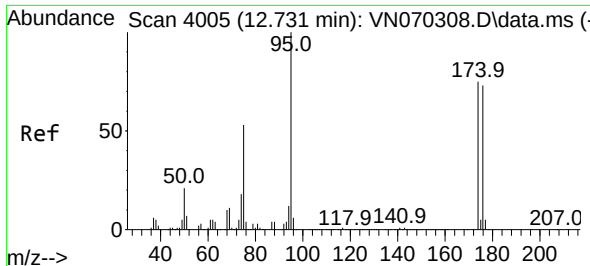
Tgt Ion: 63 Resp: 3380
Ion Ratio Lower Upper
63 100
106 24.4 23.9 35.9



#59
2-Hexanone
Concen: 143.608 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

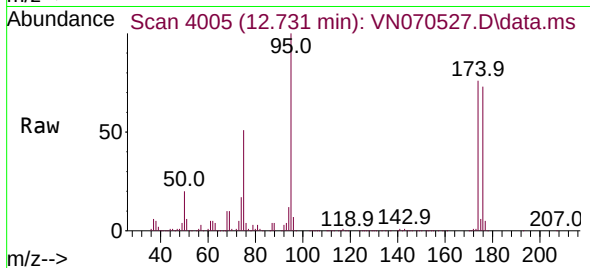
Tgt Ion: 43 Resp: 2015921
Ion Ratio Lower Upper
43 100
58 17.2 26.9 80.7#



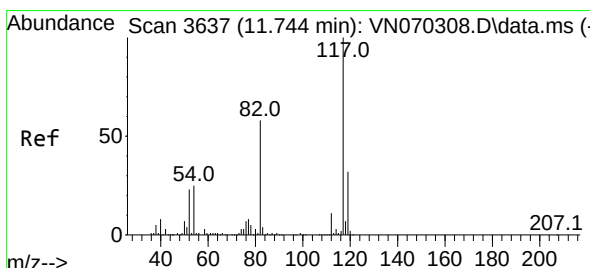
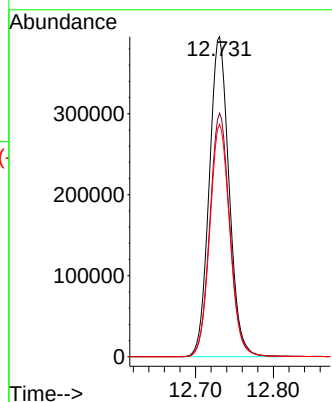
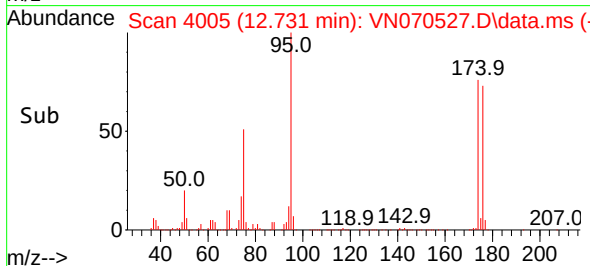


#62
4-Bromofluorobenzene
Concen: 52.267 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

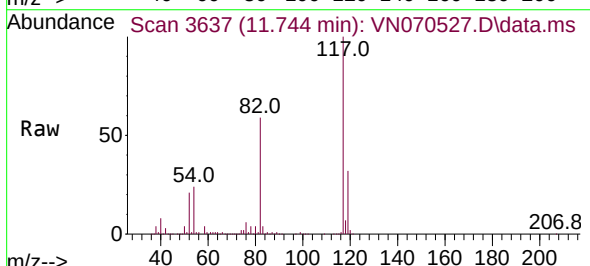
Instrument :
MSVOA_N
ClientSampleId :



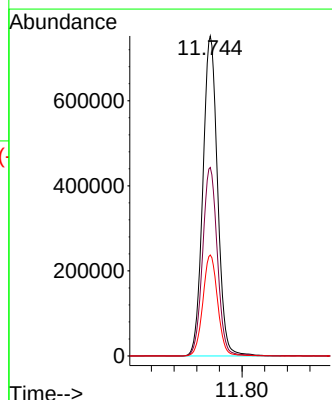
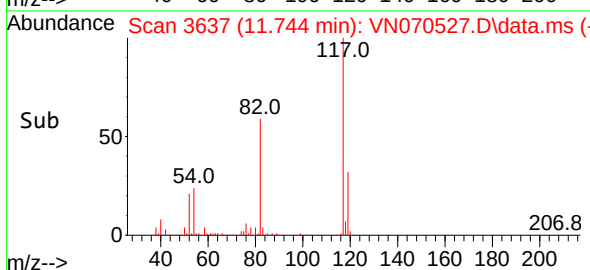
Tgt Ion: 95 Resp: 698801
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 73.3 0.0 181.4

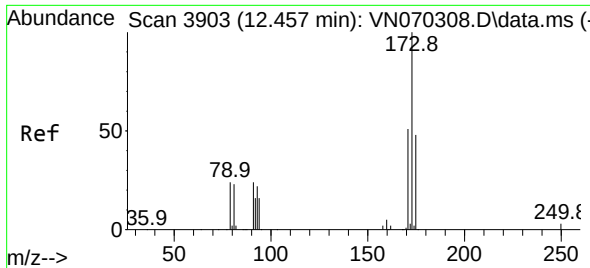


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34



Tgt Ion: 117 Resp: 1352794
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 31.6 25.4 38.2

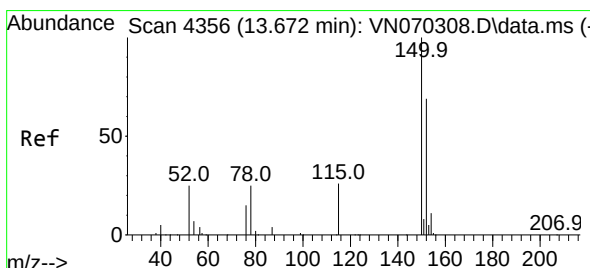
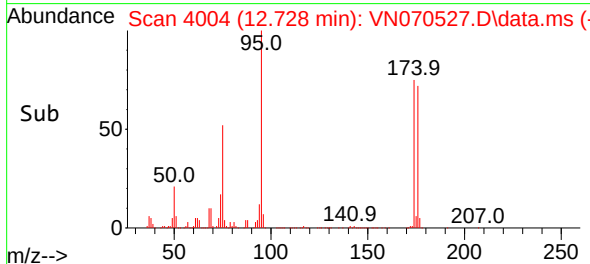
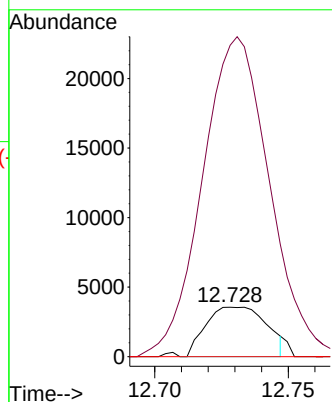
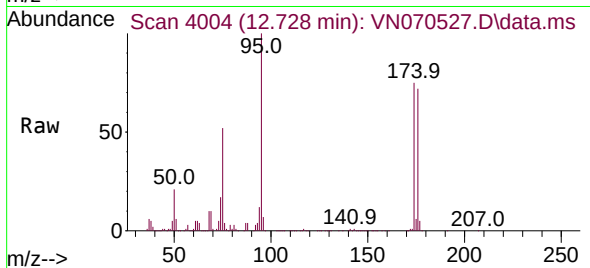




#71
Bromoform
Concen: 0.741 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.271 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

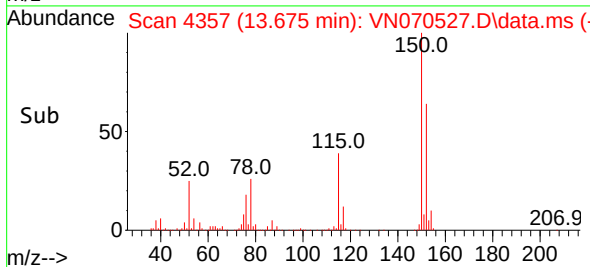
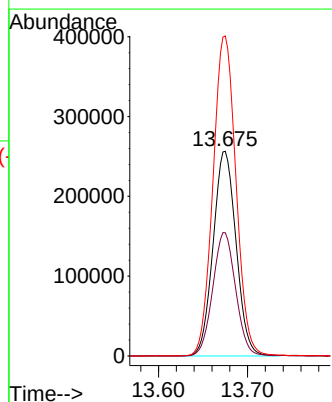
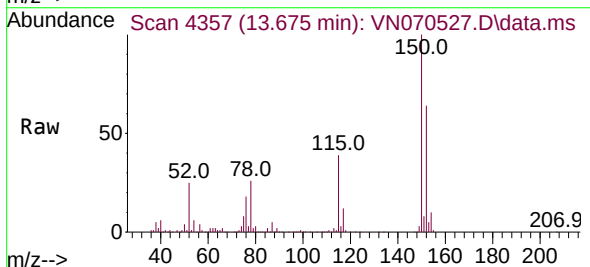
Instrument :
MSVOA_N
ClientSampleId :

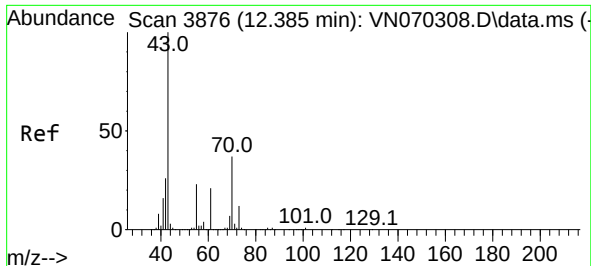
Tgt Ion:173 Resp: 5636
Ion Ratio Lower Upper
173 100
175 661.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

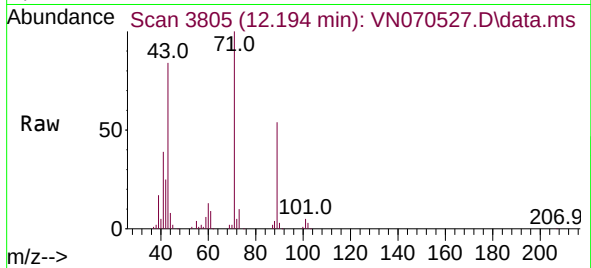
Tgt Ion:152 Resp: 459692
Ion Ratio Lower Upper
152 100
115 60.0 27.5 82.5
150 156.6 0.0 344.4



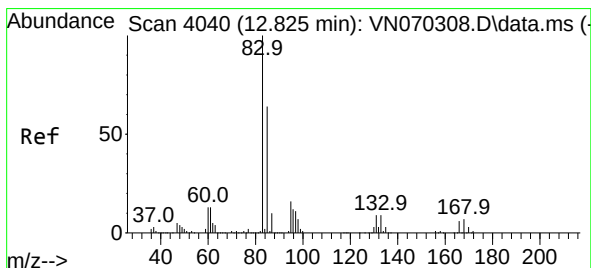
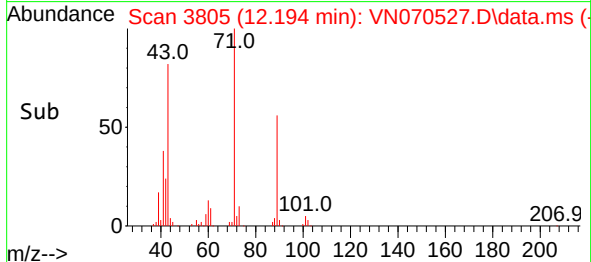
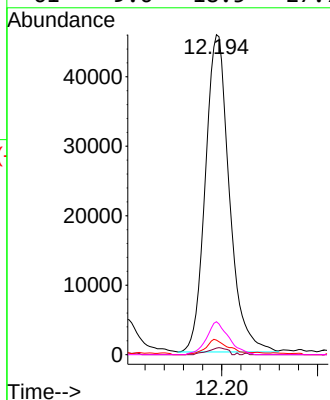


#74
N-amy1 acetate
Concen: 4.431 ug/l
RT: 12.194 min Scan# 3805
Delta R.T. -0.191 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Instrument :
MSVOA_N
ClientSampleId :

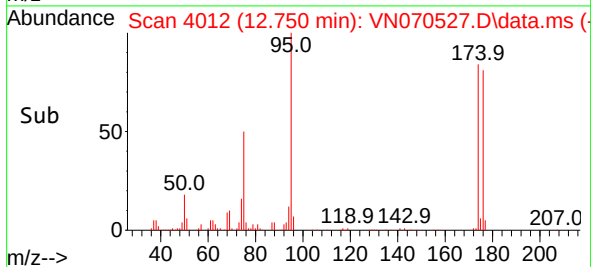
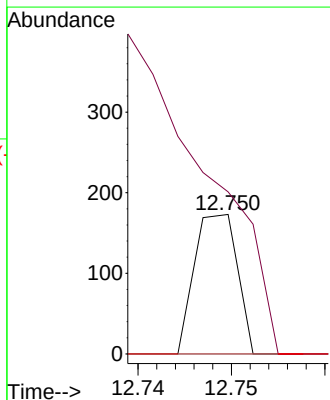
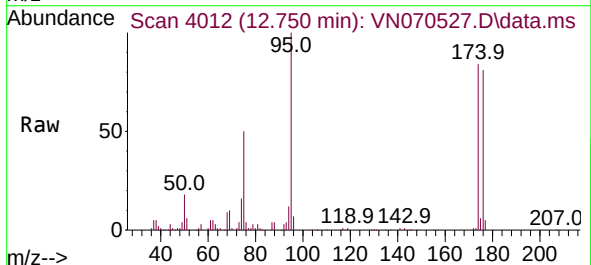


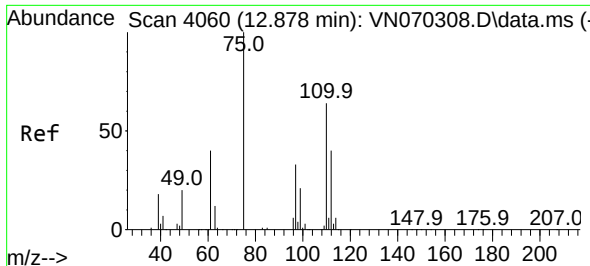
Tgt Ion:	43	Resp:	79527
Ion	Ratio	Lower	Upper
43	100		
70	1.8	33.4	50.0#
55	4.7	19.3	28.9#
61	9.6	18.5	27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.451 ug/l
RT: 12.750 min Scan# 4012
Delta R.T. -0.075 min
Lab File: VN070527.D
Acq: 6 Jan 2022 18:34

Tgt Ion:	83	Resp:	55
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	0.0	32.4	97.2#

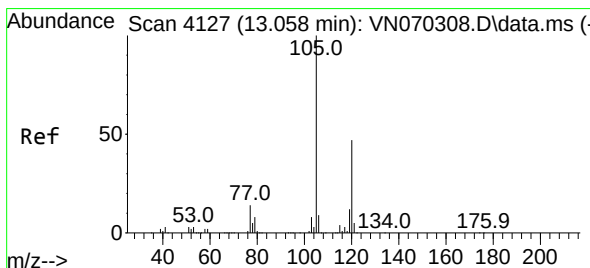
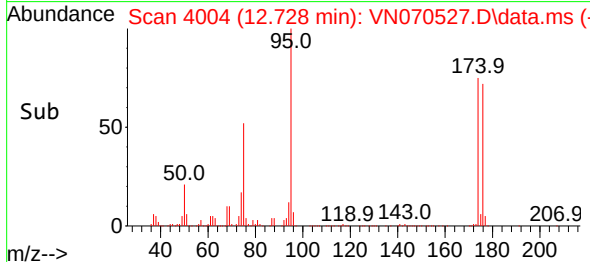
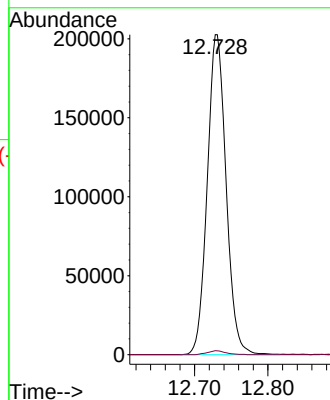
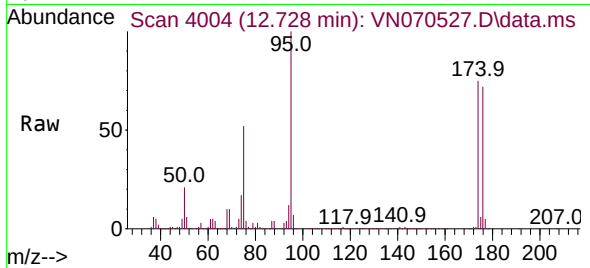




#76
 1,2,3-Trichloropropane
 Concen: 27.841 ug/l
 RT: 12.728 min Scan# 4060
 Delta R.T. -0.150 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

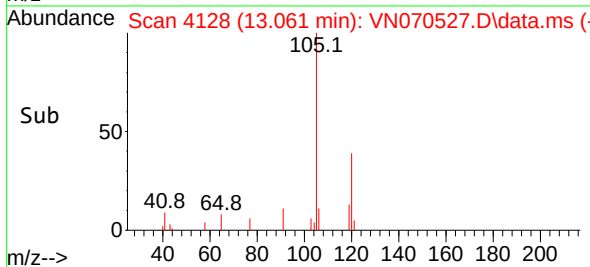
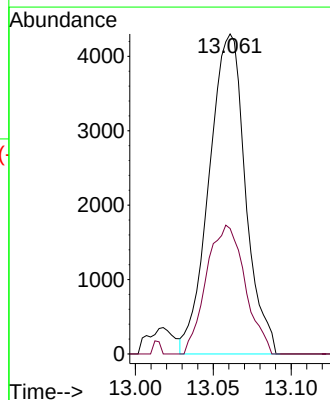
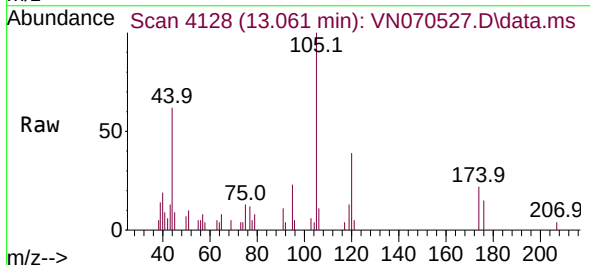
Instrument :
 MSVOA_N
 ClientSampleId :

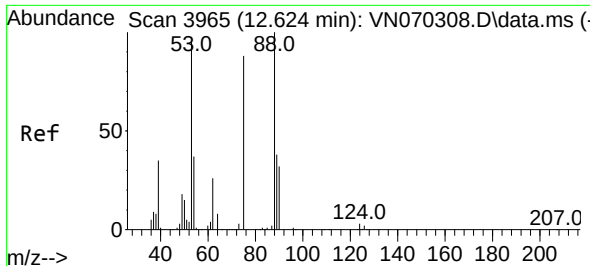
Tgt Ion: 75 Resp: 361452
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.204 ug/l
 RT: 13.061 min Scan# 4128
 Delta R.T. 0.003 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

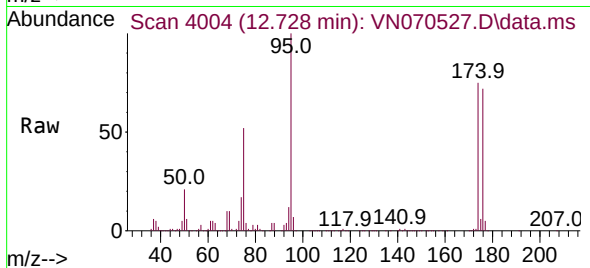
Tgt Ion: 105 Resp: 6974
 Ion Ratio Lower Upper
 105 100
 120 42.7 24.6 73.6



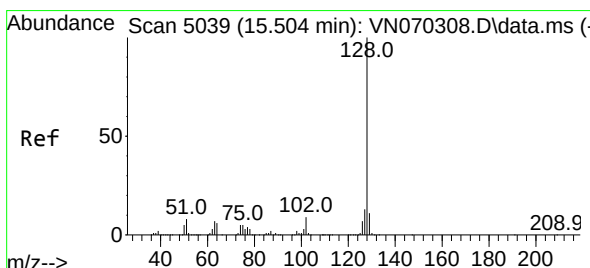
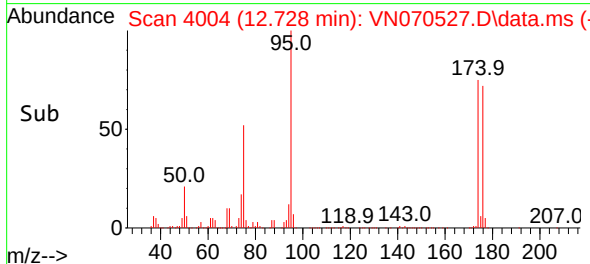
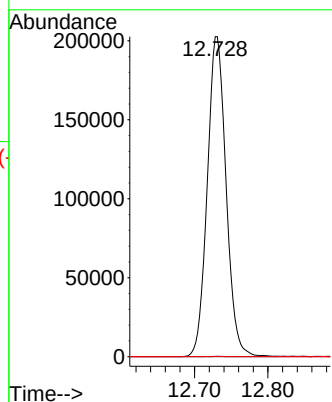


#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.067 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. 0.104 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 361452
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#95
 Naphthalene
 Concen: 1.889 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. 0.003 min
 Lab File: VN070527.D
 Acq: 6 Jan 2022 18:34

Tgt Ion: 128 Resp: 1997
 Ion Ratio Lower Upper
 128 100
 127 6.2 10.5 15.7#
 129 0.0 8.7 13.1#

