

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN071013.D
 Acq On : 18 Feb 2022 20:15
 Operator : JC\MD
 Sample : N1599-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-4

Quant Time: Feb 19 04:11:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

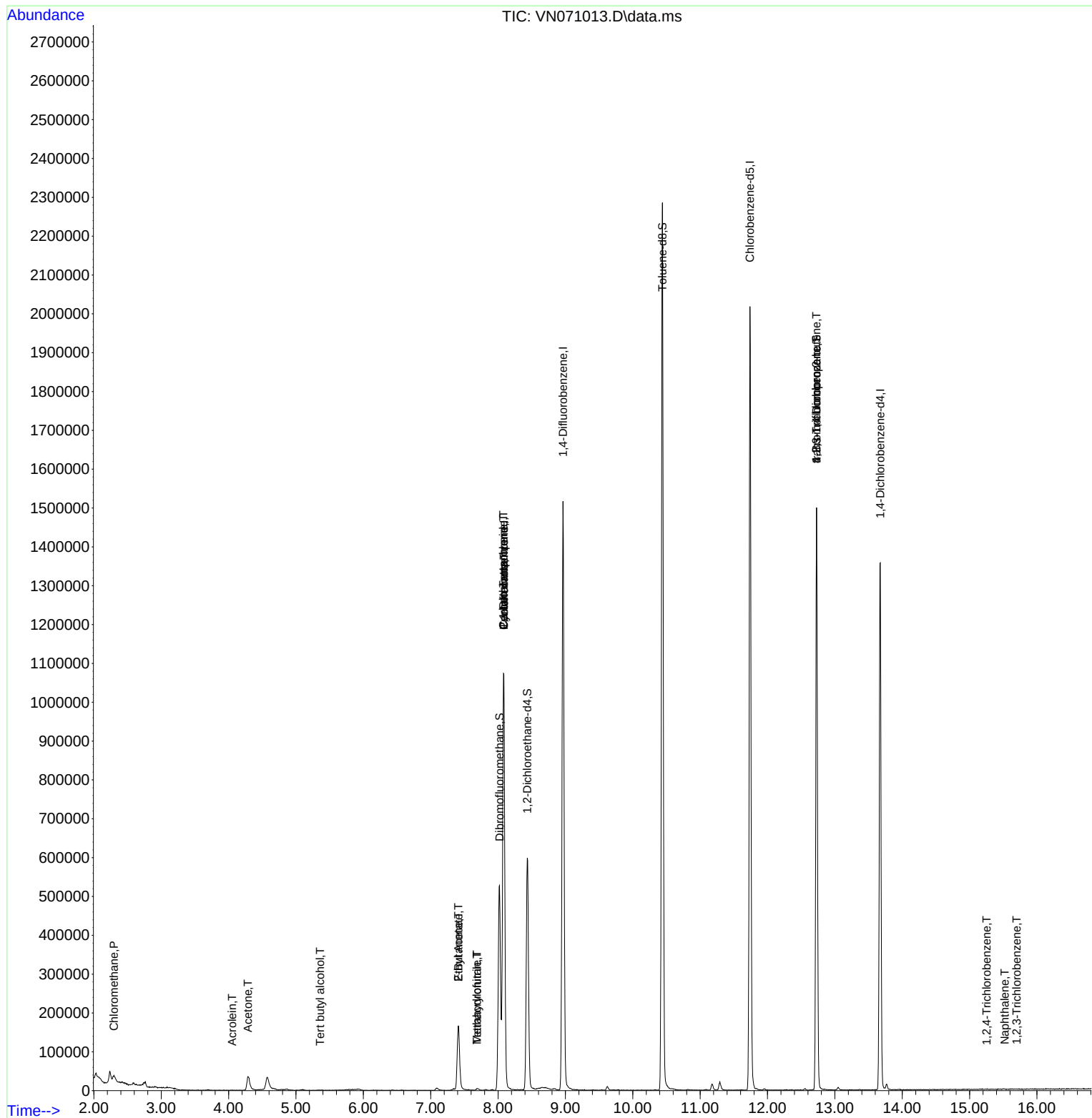
Internal Standards						
1) Pentafluorobenzene	8.087	168	847276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1336396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1184356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	387616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	496141	51.262	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.520%		
35) Dibromofluoromethane	8.022	113	395120	49.708	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.420%		
50) Toluene-d8	10.439	98	1601032	50.154	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.300%		
62) 4-Bromofluorobenzene	12.727	95	522136	45.760	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 91.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2721	0.246	ug/l #	80
11) Tert butyl alcohol	5.357	59	775	0.439	ug/l #	71
13) Acrolein	4.051	56	474	0.301	ug/l #	58
16) Acetone	4.287	43	67006	12.571	ug/l	100
18) Methyl Acetate	4.851	43	6558	Below Cal	#	85
25) 2-Butanone	7.410	43	273215	38.531	ug/l #	48
29) Tetrahydrofuran	7.687	42	3272	0.712	ug/l #	74
31) Cyclohexane	8.087	56	19657	1.174	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	62692	4.814	ug/l #	49
37) Ethyl Acetate	7.410	43	273215	19.562	ug/l	99
38) Carbon Tetrachloride	8.081	117	81541	6.355	ug/l #	15
41) Methacrylonitrile	7.687	41	1850	0.251	ug/l #	36
76) 1,2,3-Trichloropropane	12.727	75	260785	28.575	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	260785	92.595	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	72	2.009	ug/l #	21
95) Naphthalene	15.521	128	1128	5.048	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	93	2.529	ug/l #	61

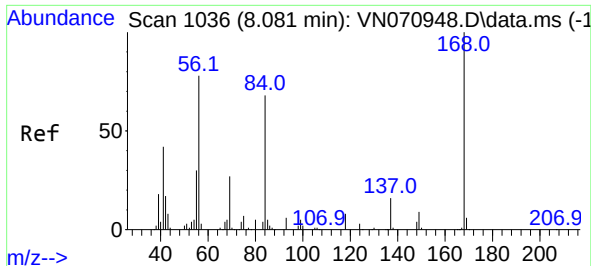
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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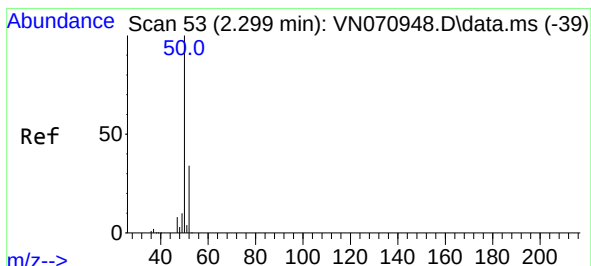
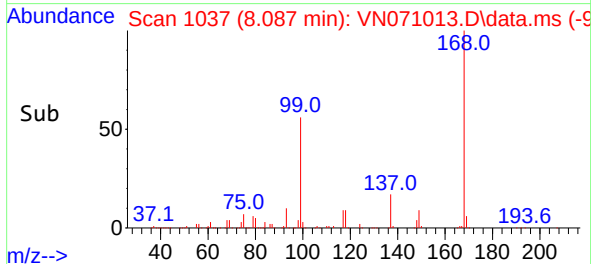
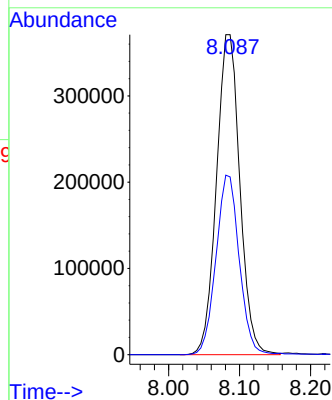
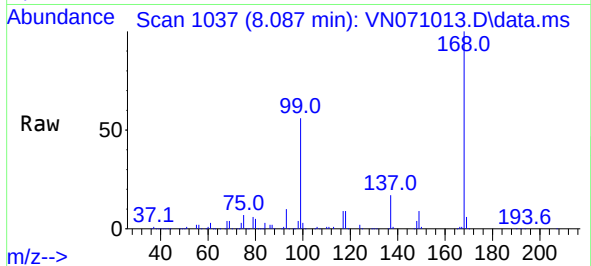




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

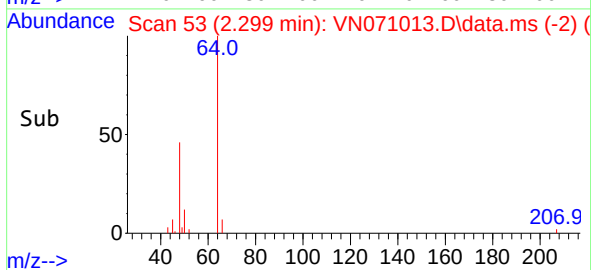
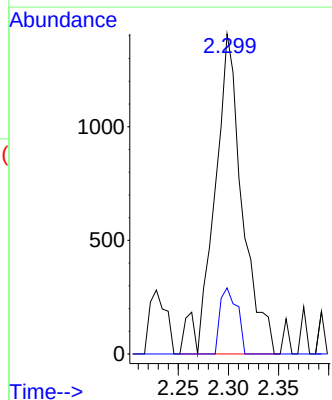
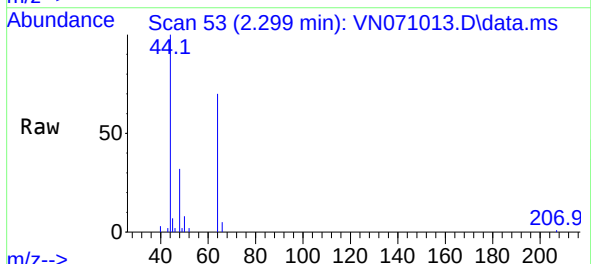
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

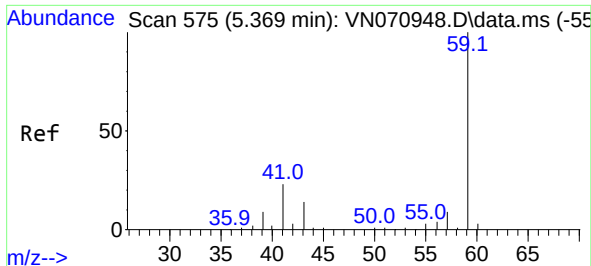
Tgt Ion:168 Resp: 847276
Ion Ratio Lower Upper
168 100
99 55.6 41.3 61.9



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 50 Resp: 2721
Ion Ratio Lower Upper
50 100
52 20.7 25.4 38.0#

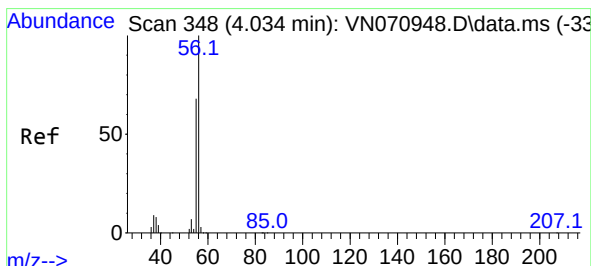
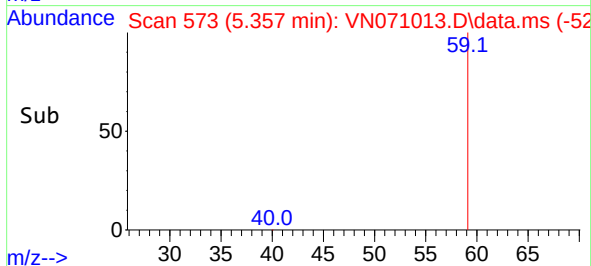
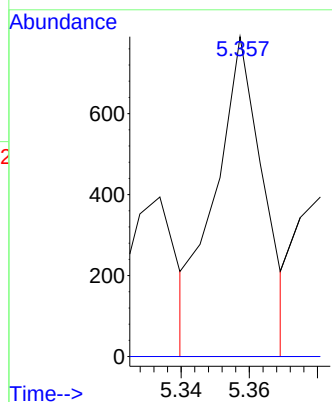
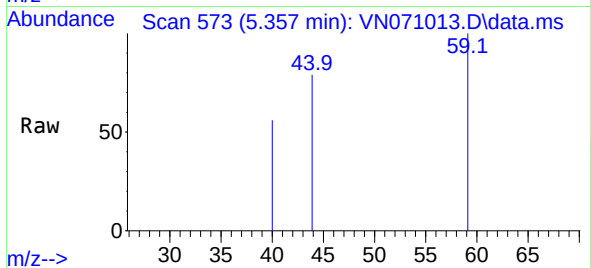




#11
Tert butyl alcohol
Concen: 0.439 ug/l
RT: 5.357 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

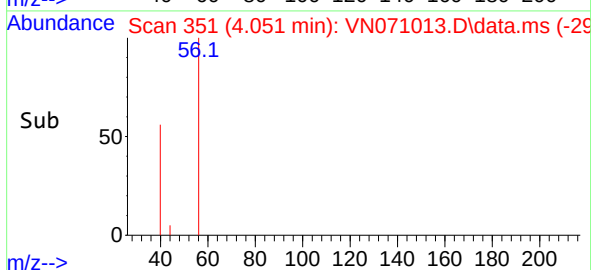
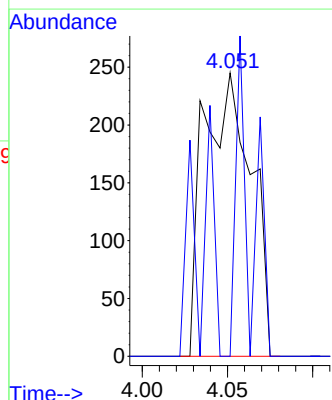
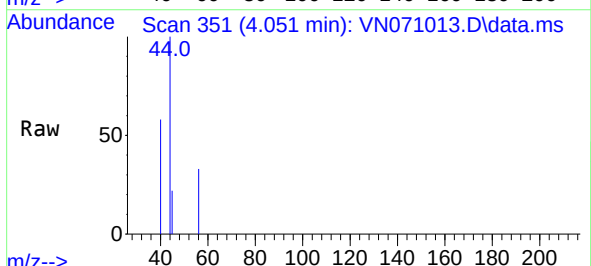
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

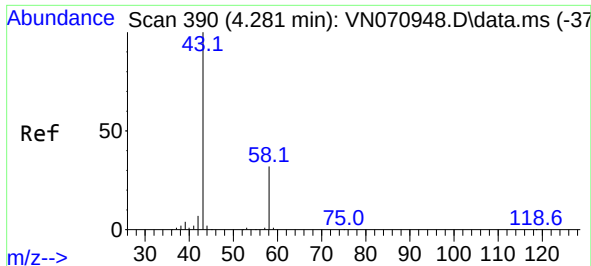
Tgt Ion: 59 Resp: 775
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.301 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.017 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 56 Resp: 474
Ion Ratio Lower Upper
56 100
55 36.1 56.6 85.0#

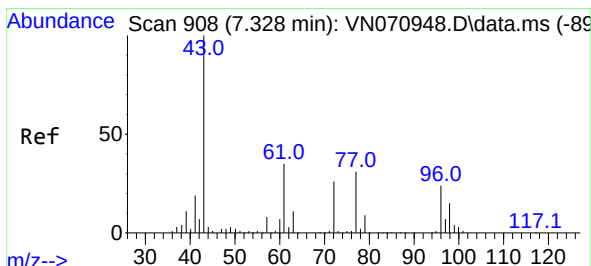
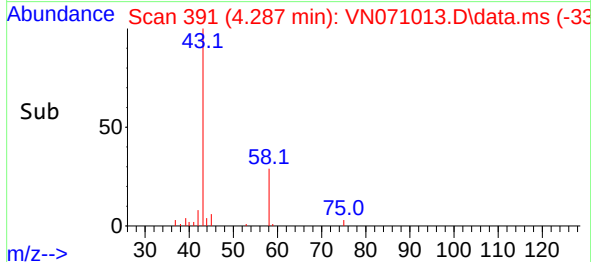
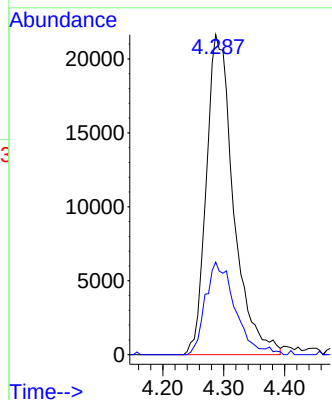
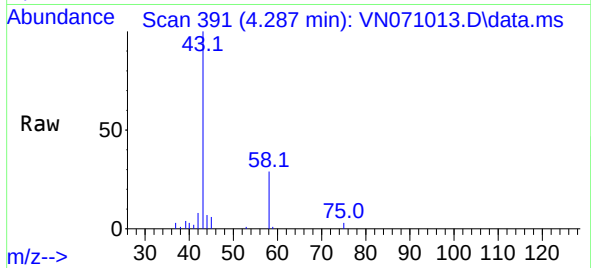




#16
Acetone
Concen: 12.571 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

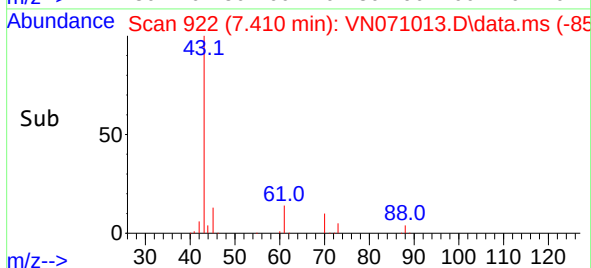
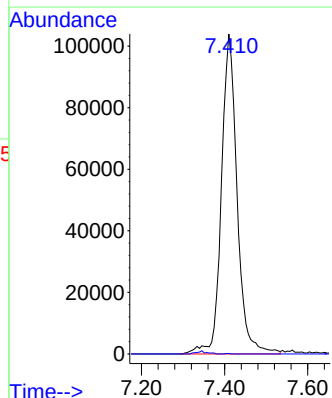
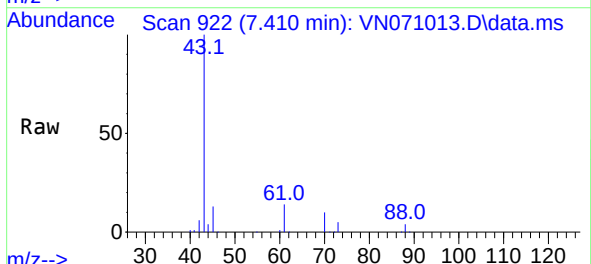
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

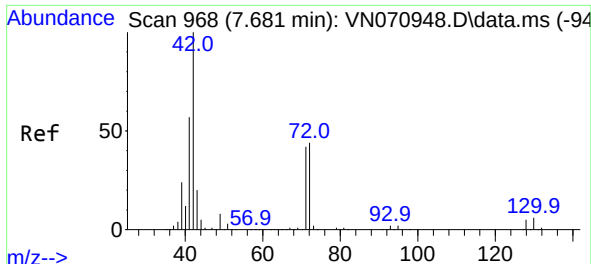
Tgt Ion: 43 Resp: 67006
Ion Ratio Lower Upper
43 100
58 28.9 23.1 34.7



#25
2-Butanone
Concen: 38.531 ug/l
RT: 7.410 min Scan# 922
Delta R.T. 0.082 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 43 Resp: 273215
Ion Ratio Lower Upper
43 100
72 0.2 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.712 ug/l

RT: 7.687 min Scan# 9

Delta R.T. 0.006 min

Lab File: VN071013.D

Acq: 18 Feb 2022 20:15

Instrument :

MSVOA_N

ClientSampleId :

SPN-4

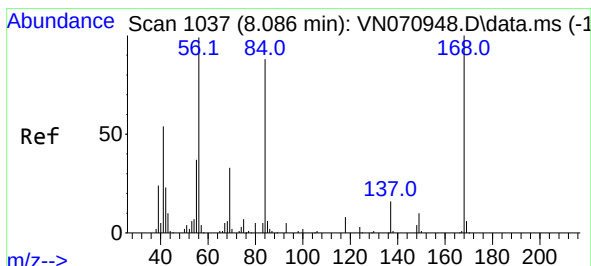
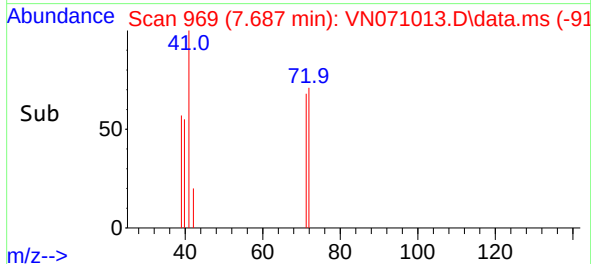
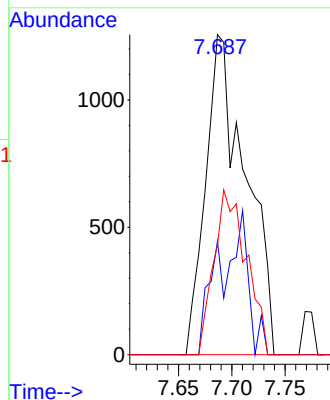
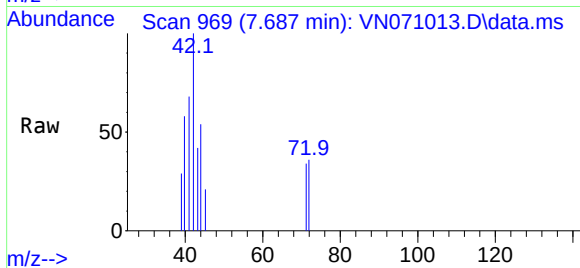
Tgt Ion: 42 Resp: 3272

Ion Ratio Lower Upper

42 100

72 13.1 36.3 54.5#

71 41.8 34.7 52.1



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VN071013.D

Acq: 18 Feb 2022 20:15

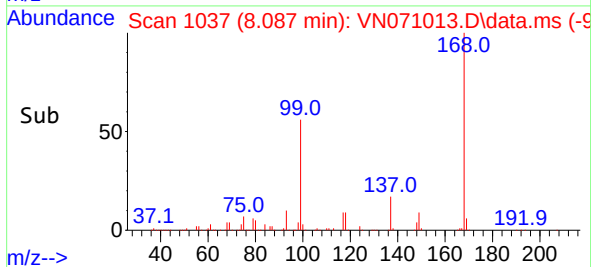
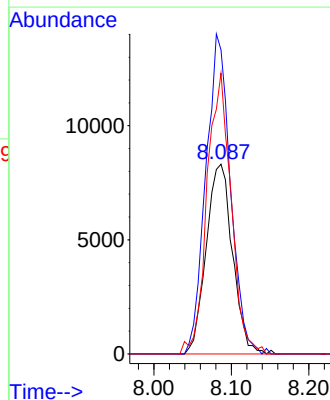
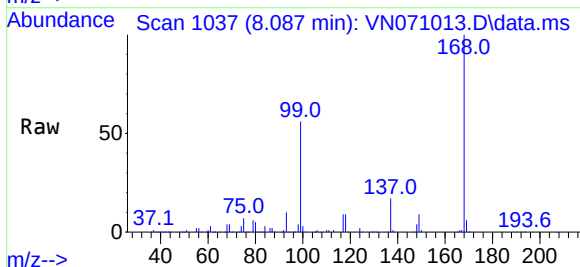
Tgt Ion: 56 Resp: 19657

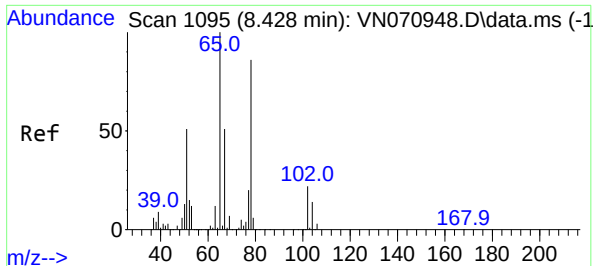
Ion Ratio Lower Upper

56 100

69 160.2 27.1 40.7#

84 147.9 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.262 ug/l

RT: 8.434 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071013.D

Acq: 18 Feb 2022 20:15

Instrument :

MSVOA_N

ClientSampleId :

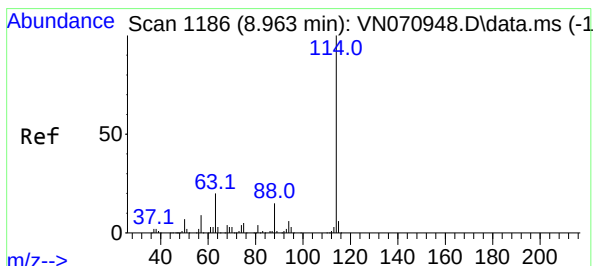
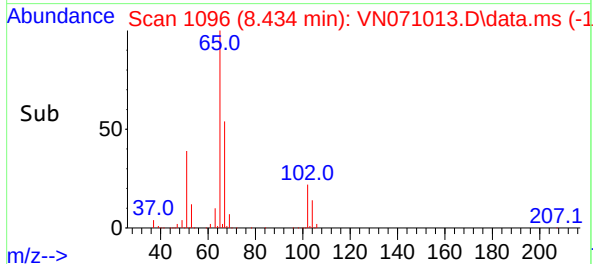
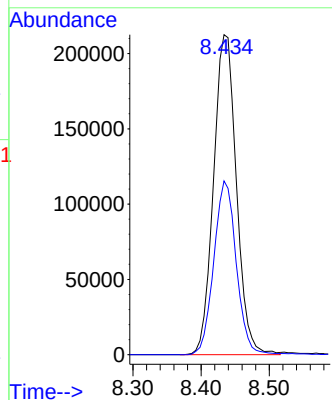
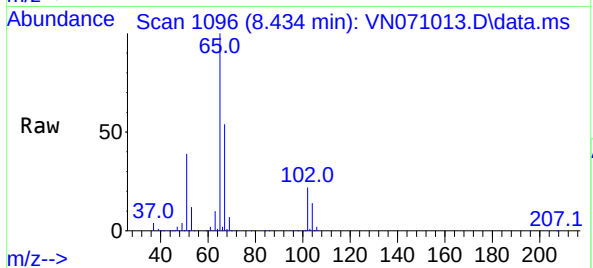
SPN-4

Tgt Ion: 65 Resp: 496141

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071013.D

Acq: 18 Feb 2022 20:15

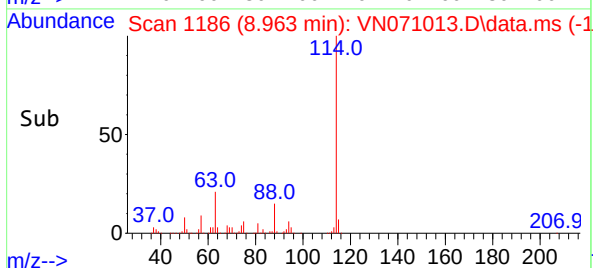
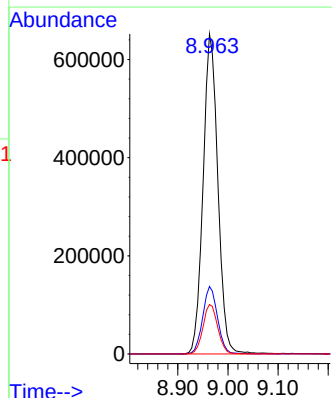
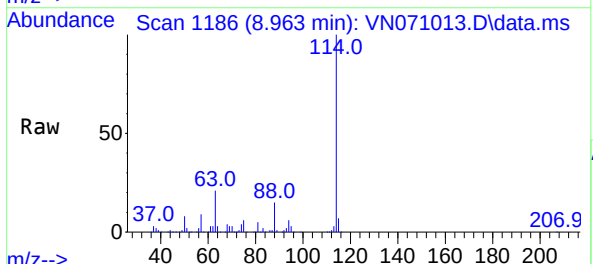
Tgt Ion:114 Resp: 1336396

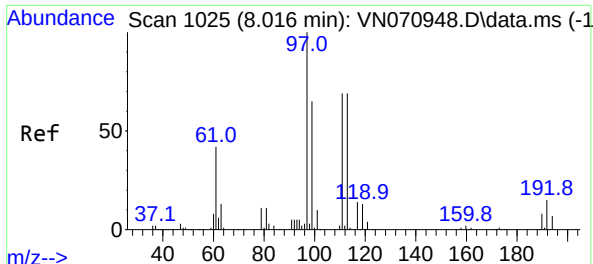
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 15.4 0.0 27.4

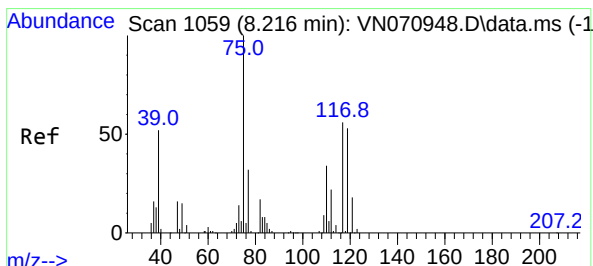
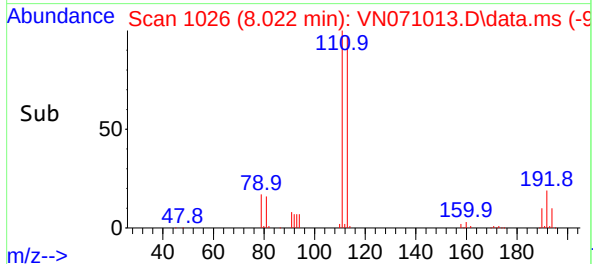
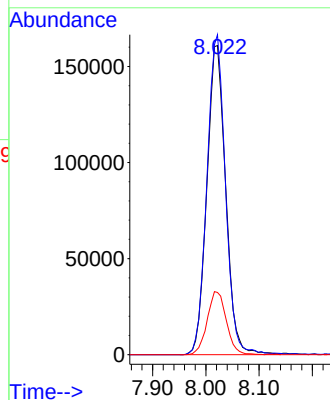
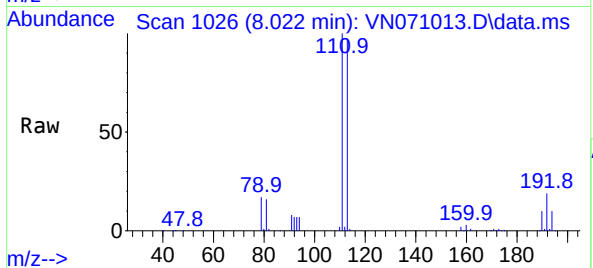




#35
Dibromofluoromethane
Concen: 49.708 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

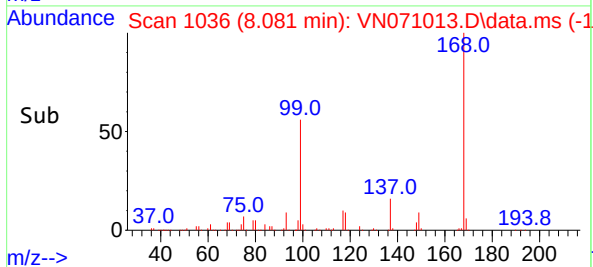
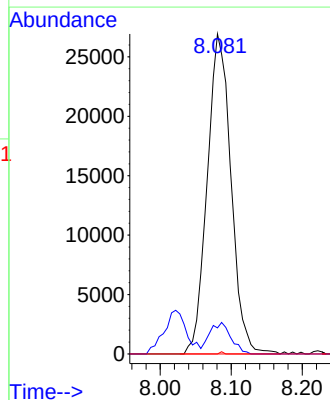
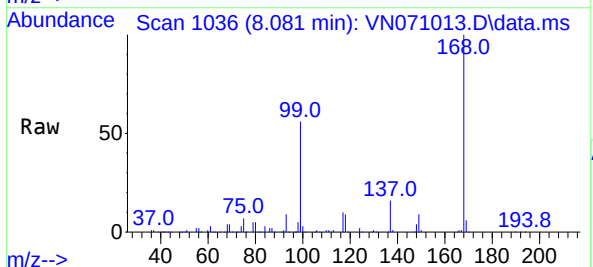
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

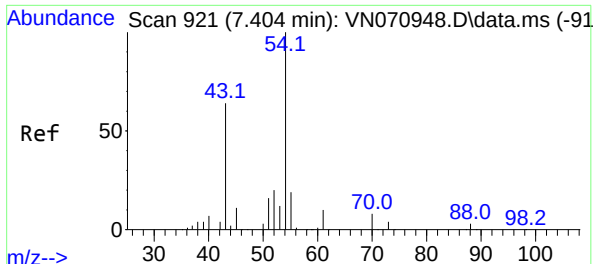
Tgt Ion:113 Resp: 395120
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 75 Resp: 62692
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.1 24.4 36.6#

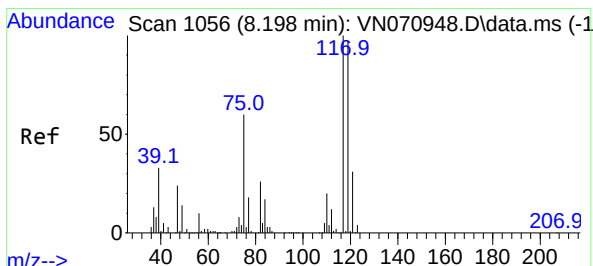
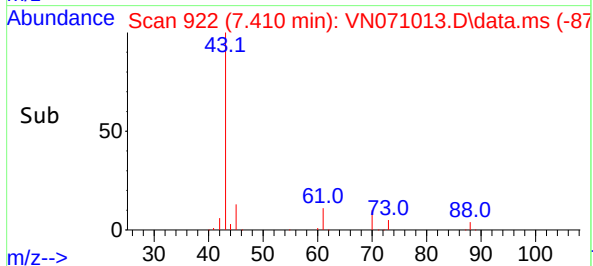
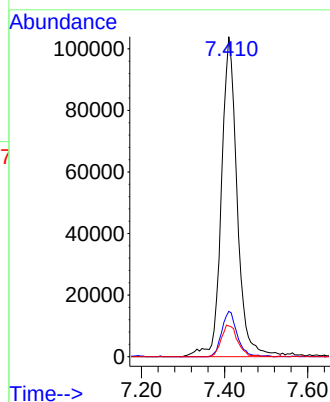
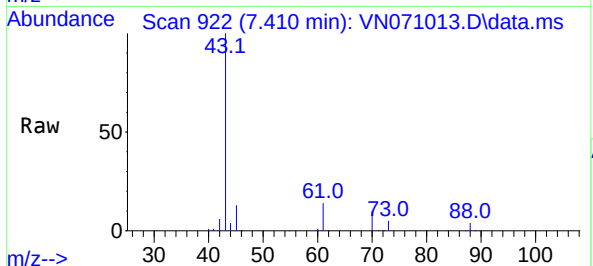




#37
Ethyl Acetate
Concen: 19.562 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

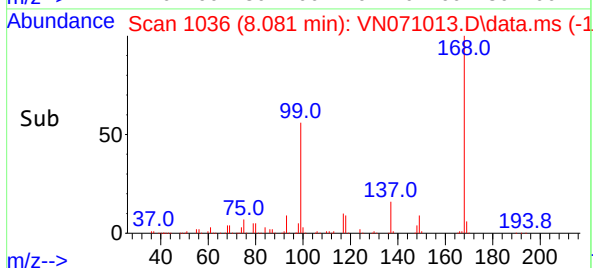
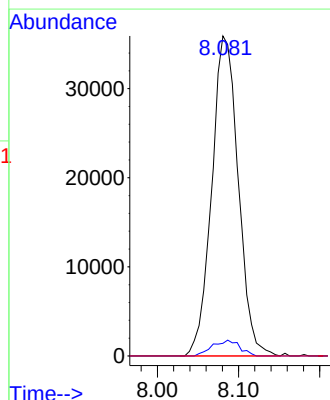
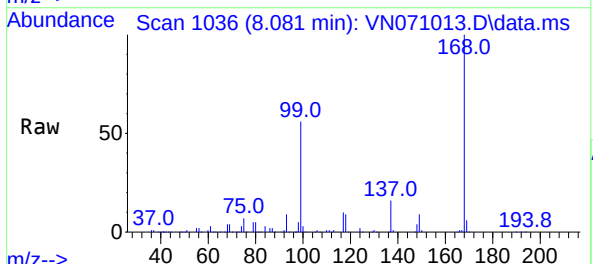
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

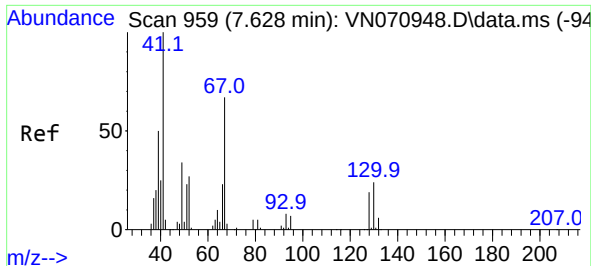
Tgt Ion: 43 Resp: 273215
Ion Ratio Lower Upper
43 100
61 13.9 11.5 17.3
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 6.355 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 117 Resp: 81541
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.2 36.2#

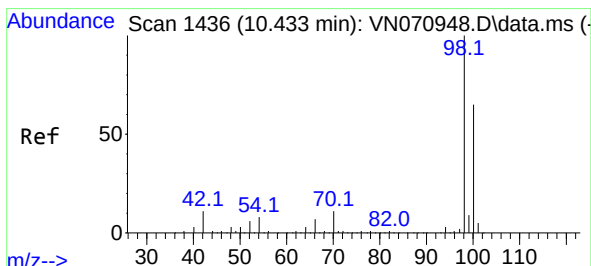
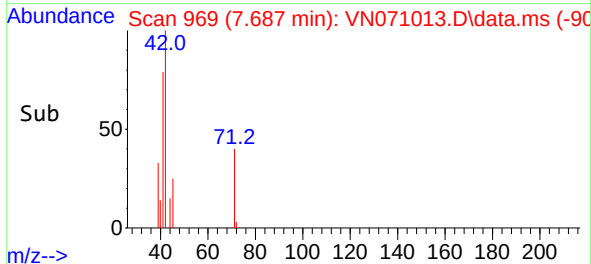
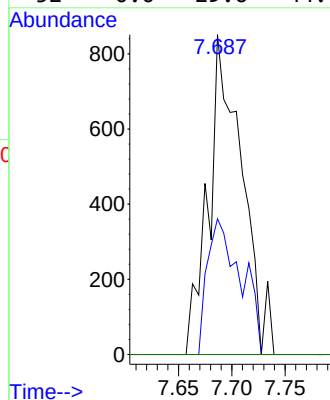
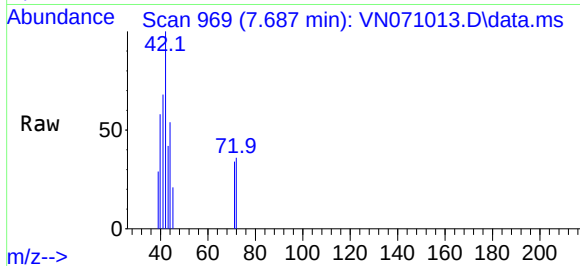




#41
Methacrylonitrile
Concen: 0.251 ug/l
RT: 7.687 min Scan# 90
Delta R.T. 0.059 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

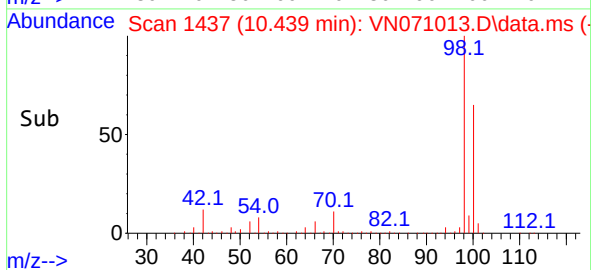
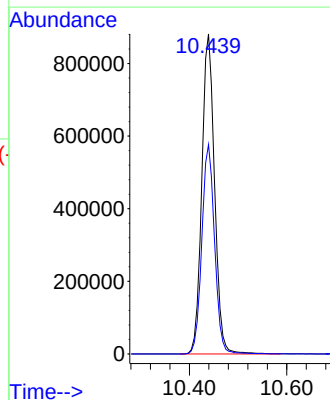
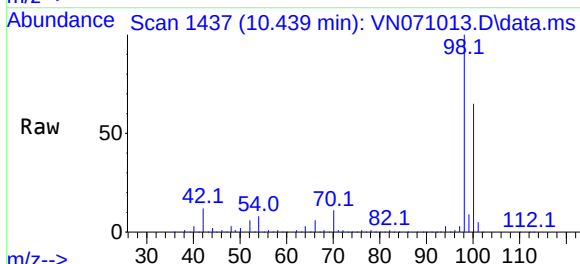
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

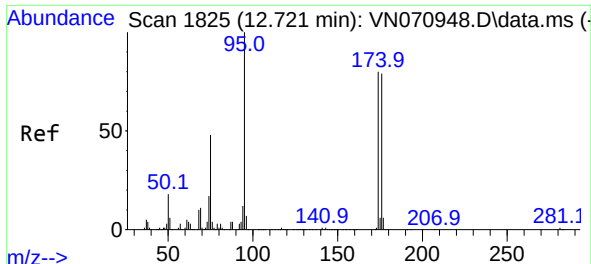
Tgt Ion: 41	Resp: 1850
Ion Ratio	Lower Upper
41 100	
39 42.5	48.1 72.1#
67 0.0	68.3 102.5#
52 0.0	29.6 44.4#



#50
Toluene-d8
Concen: 50.154 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 98	Resp: 1601032
Ion Ratio	Lower Upper
98 100	
100 65.5	50.4 75.6

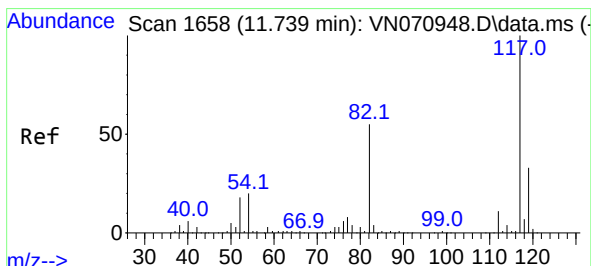
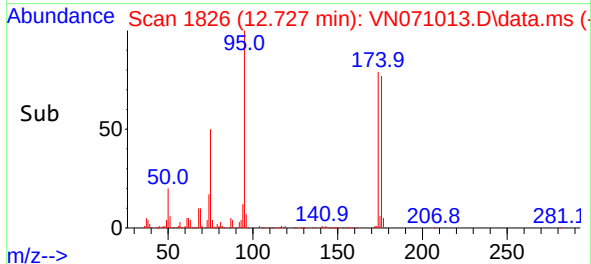
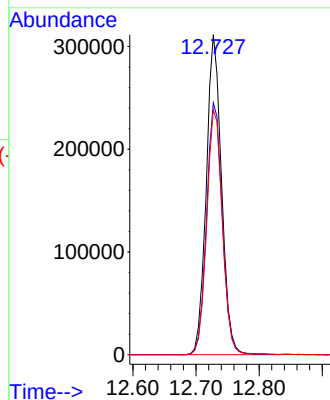
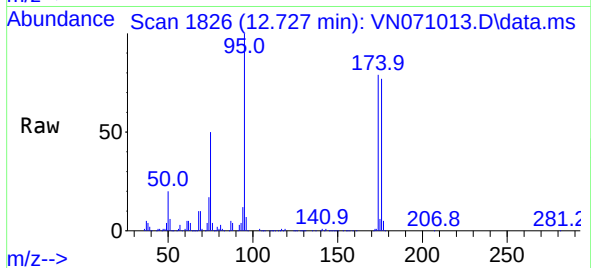




#62
4-Bromofluorobenzene
Concen: 45.760 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

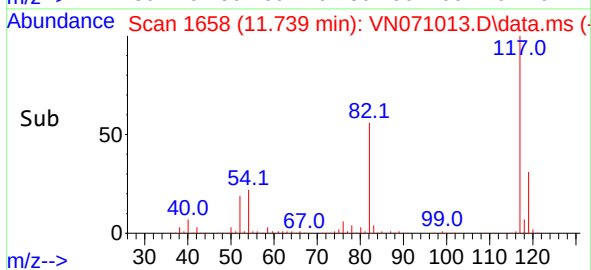
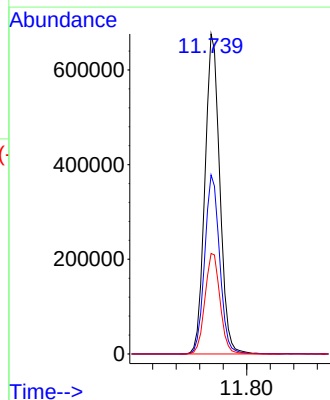
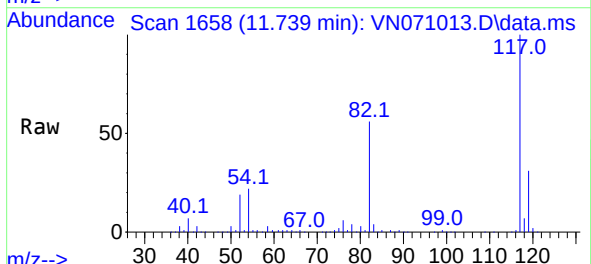
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

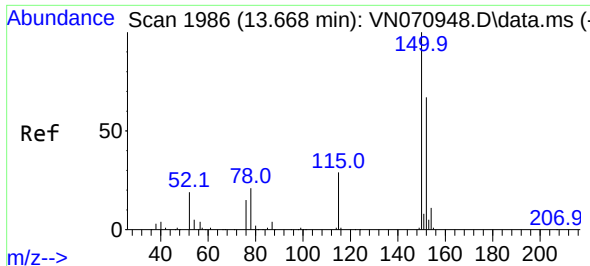
Tgt Ion: 95 Resp: 522136
Ion Ratio Lower Upper
95 100
174 81.7 0.0 187.2
176 78.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion: 117 Resp: 1184356
Ion Ratio Lower Upper
117 100
82 55.9 42.4 63.6
119 31.4 25.4 38.2

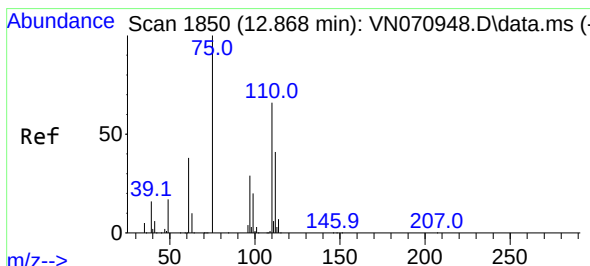
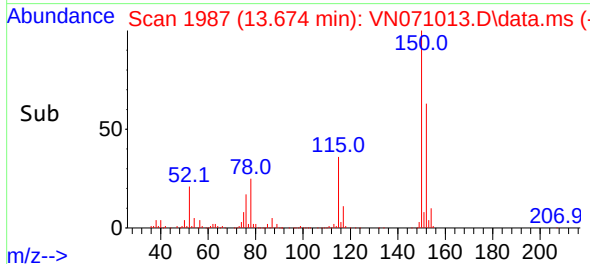
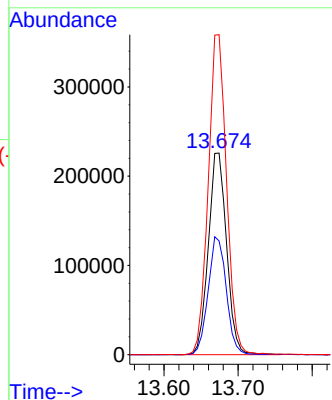
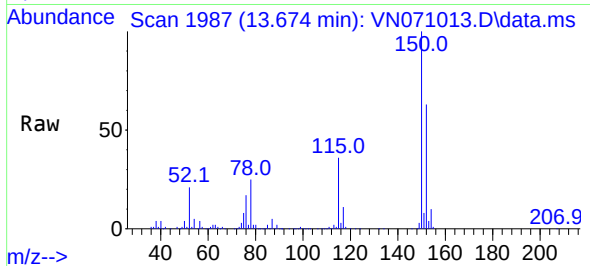




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071013.D
 Acq: 18 Feb 2022 20:15

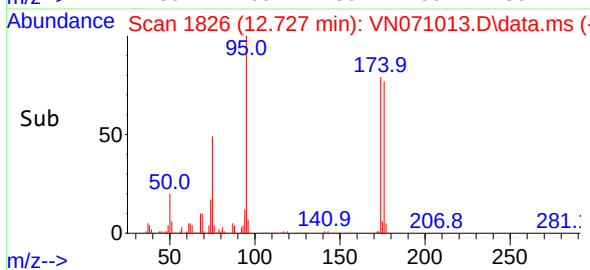
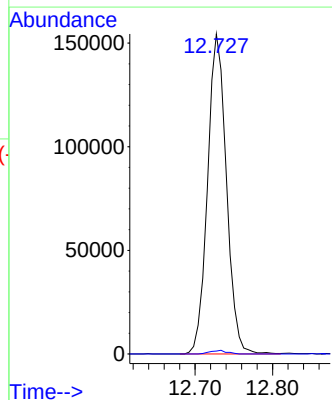
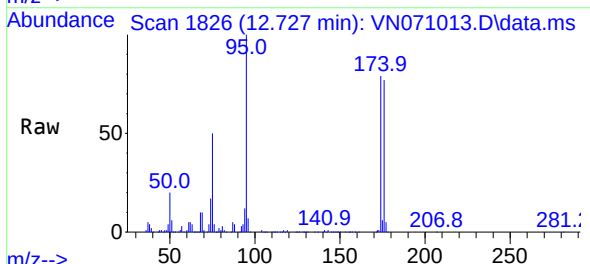
Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-4

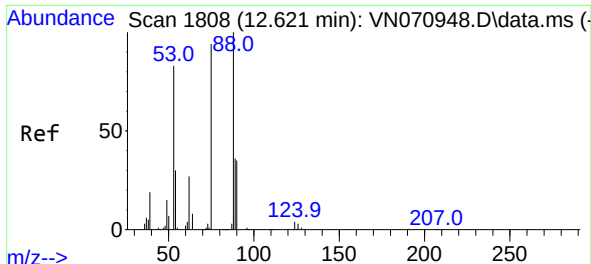
Tgt Ion:152 Resp: 387616
 Ion Ratio Lower Upper
 152 100
 115 58.1 27.5 82.5
 150 159.0 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 28.575 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.141 min
 Lab File: VN071013.D
 Acq: 18 Feb 2022 20:15

Tgt Ion: 75 Resp: 260785
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

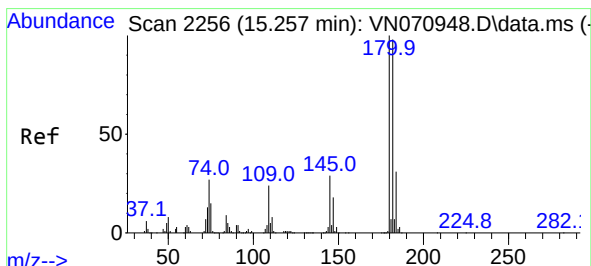
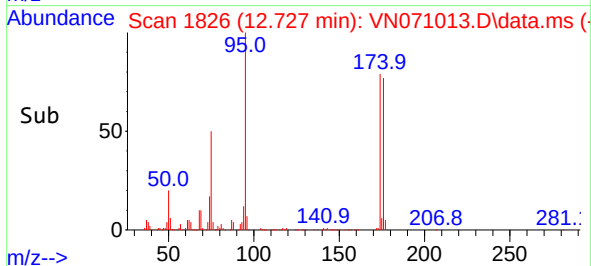
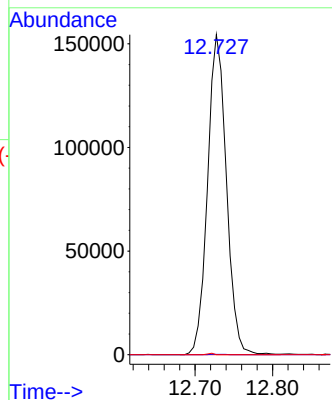
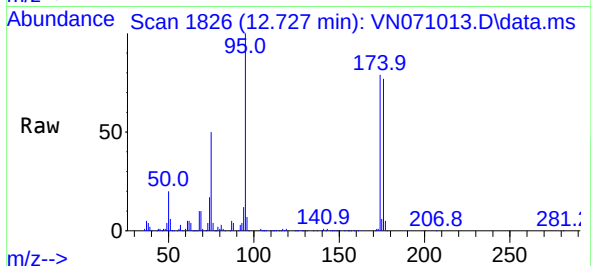




#81
trans-1,4-Dichloro-2-butene
Concen: 92.595 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

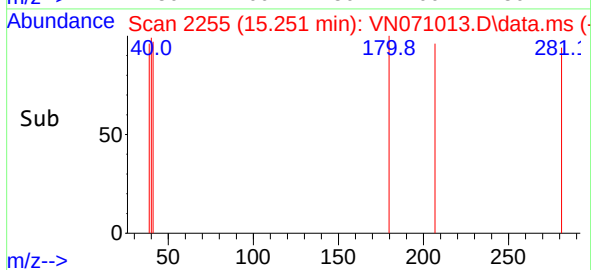
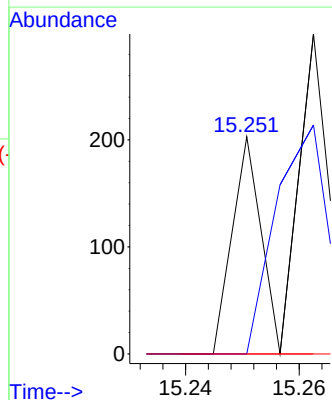
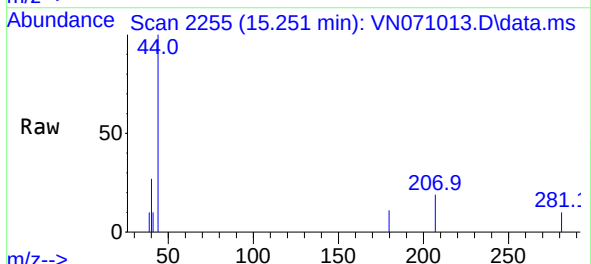
Instrument :
MSVOA_N
ClientSampleId :
SPN-4

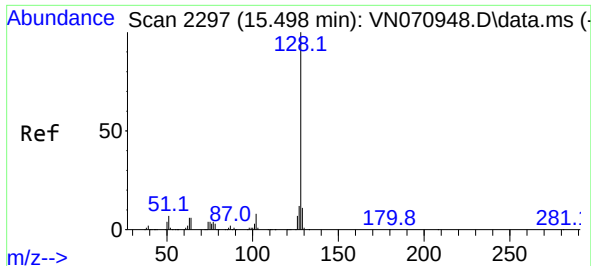
Tgt Ion: 75 Resp: 260785
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.009 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion:180 Resp: 72
Ion Ratio Lower Upper
180 100
182 181.9 48.3 144.9#
145 0.0 14.5 43.5#

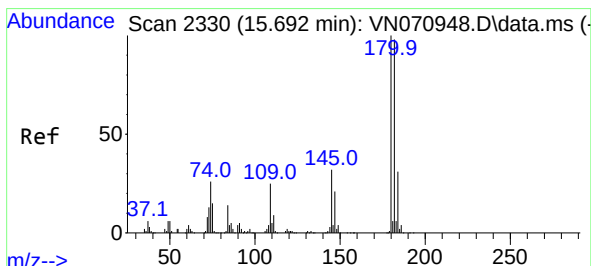
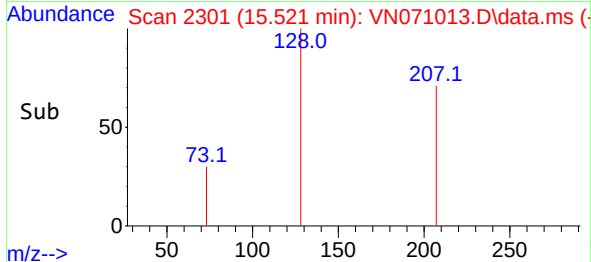
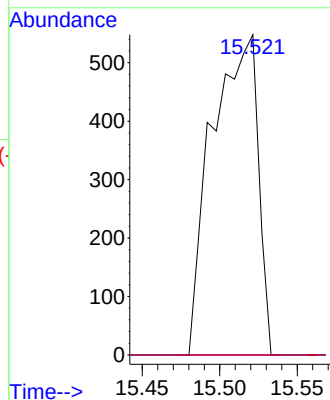
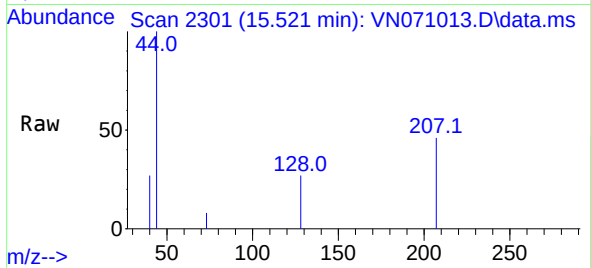




#95
Naphthalene
Concen: 5.048 ug/l
RT: 15.521 min Scan# 211
Delta R.T. 0.023 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Instrument :
MSVOA_N
ClientSampleId :
SPN-4

Tgt Ion:128 Resp: 1128
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: 2.529 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071013.D
Acq: 18 Feb 2022 20:15

Tgt Ion:180 Resp: 93
Ion Ratio Lower Upper
180 100
182 62.4 47.4 142.2
145 0.0 15.0 45.1#

