

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN071011.D
 Acq On : 18 Feb 2022 19:27
 Operator : JC\MD
 Sample : N1599-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-1

Quant Time: Feb 19 04:11:14 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	8.086	168	805935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1269633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1122479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	394093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	482030	52.359	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.720%	
35) Dibromofluoromethane	8.022	113	372975	49.389	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.780%	
50) Toluene-d8	10.439	98	1512694	49.879	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.760%	
62) 4-Bromofluorobenzene	12.727	95	524190	48.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.720%	

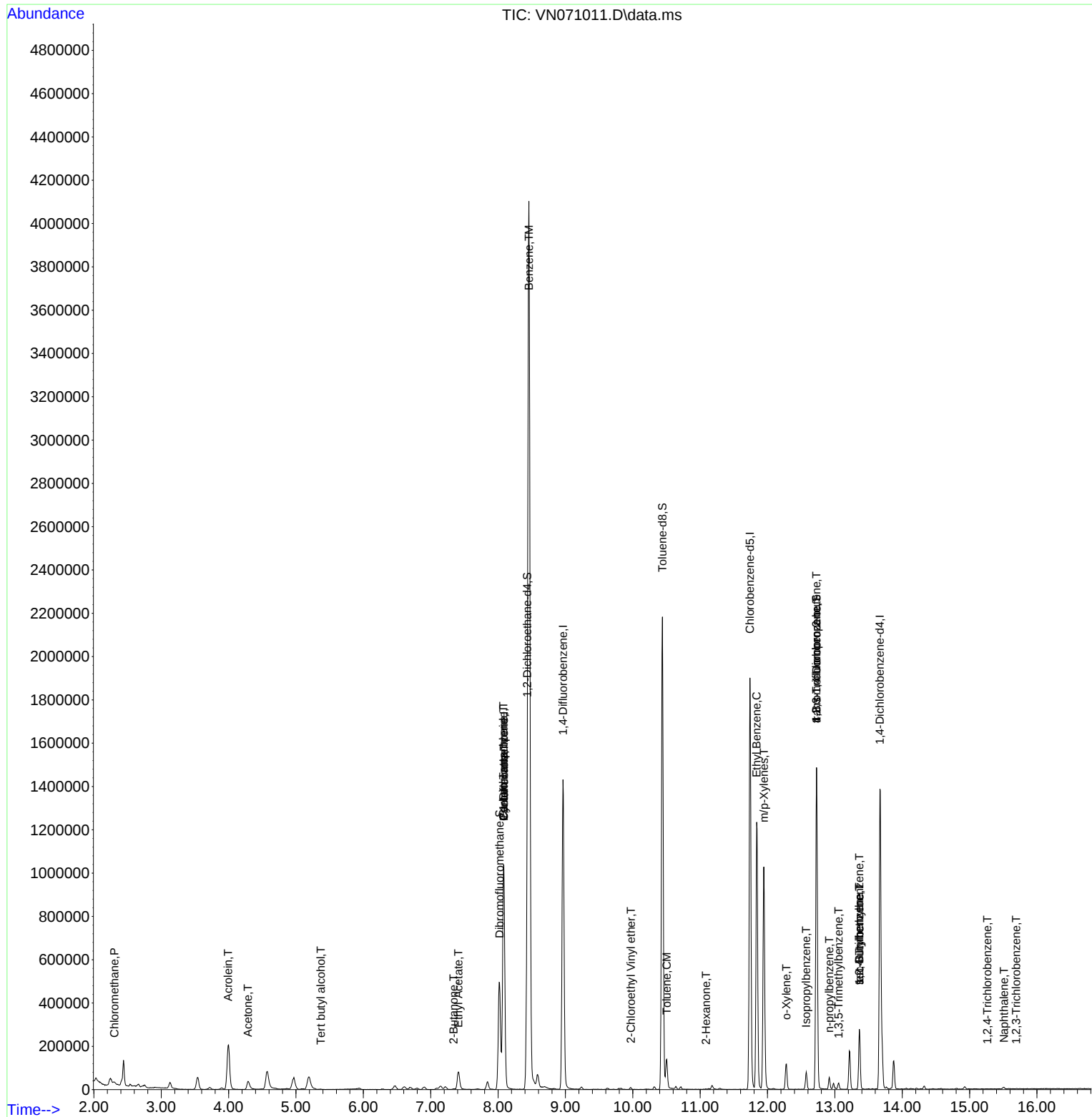
Target Compounds				Qvalue		
3) Chloromethane	2.304	50	2755	0.262	ug/l	89
11) Tert butyl alcohol	5.369	59	2828	1.686	ug/l #	76
13) Acrolein	3.993	56	9032	6.024	ug/l #	1
16) Acetone	4.287	43	69521	13.712	ug/l	90
25) 2-Butanone	7.339	43	4664	0.692	ug/l	91
31) Cyclohexane	8.086	56	34983	2.197	ug/l #	43
36) 1,1-Dichloropropene	8.081	75	61304	4.955	ug/l #	49
37) Ethyl Acetate	7.410	43	130165	9.810	ug/l	98
38) Carbon Tetrachloride	8.081	117	78708	6.457	ug/l #	16
40) Benzene	8.457	78	4129598	112.839	ug/l	99
52) Toluene	10.504	92	56730	2.467	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.975	63	54	31.817	ug/l #	45
59) 2-Hexanone	11.086	43	2098	0.240	ug/l	66
67) Ethyl Benzene	11.839	91	933052	22.040	ug/l	98
68) m/p-Xylenes	11.945	106	318435	19.473	ug/l	99
69) o-Xylene	12.280	106	35543	2.225	ug/l	98
73) Isopropylbenzene	12.574	105	50643	1.597	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	260983	28.126	ug/l #	1
78) n-propylbenzene	12.916	91	43007	1.207	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	12829	0.499	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	260983	91.142	ug/l #	5
83) tert-Butylbenzene	13.363	119	19849	0.814	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.363	105	158848	6.279	ug/l	100
85) sec-Butylbenzene	13.363	105	158848	4.946	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.262	180	282	2.036	ug/l #	86
95) Naphthalene	15.509	128	7708	5.383	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	467	2.582	ug/l #	78

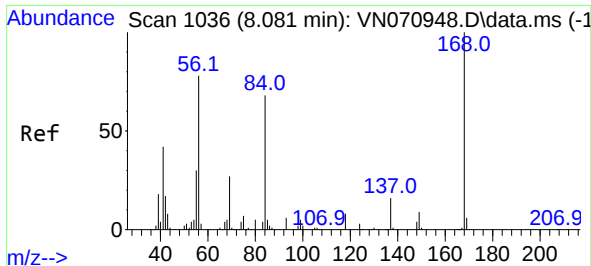
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
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Response via : Initial Calibration

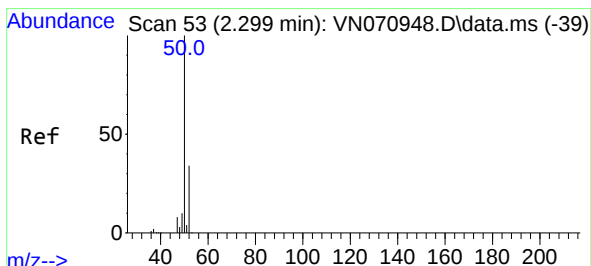
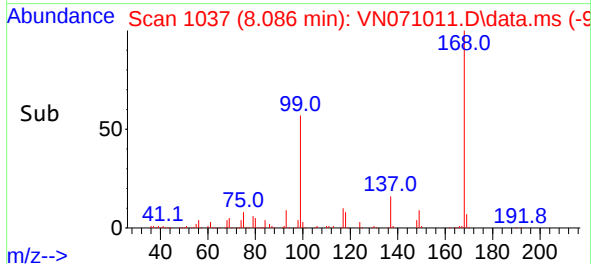
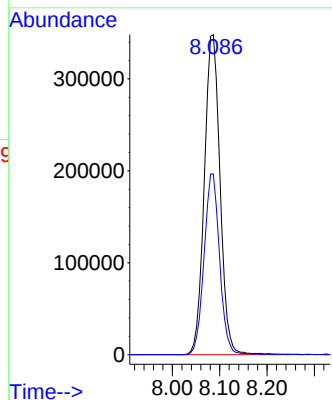
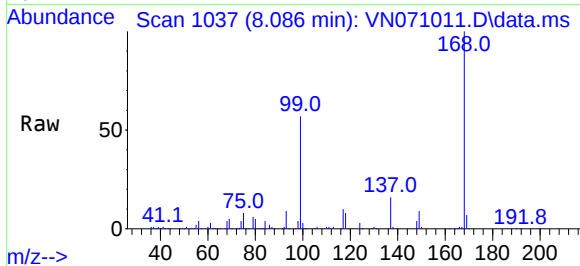




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

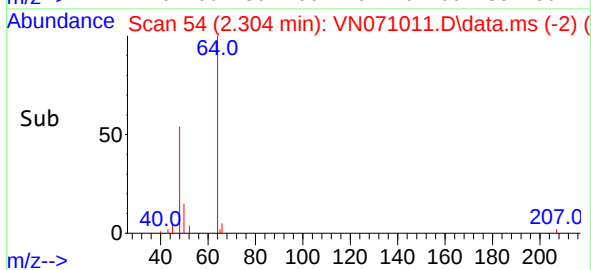
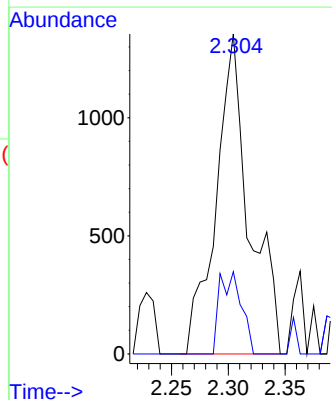
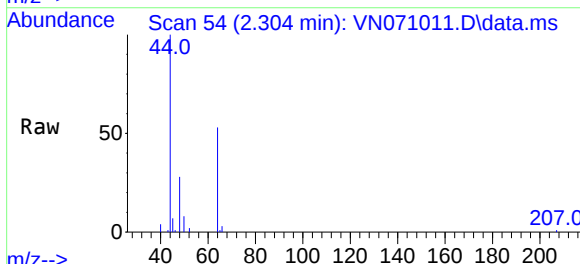
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

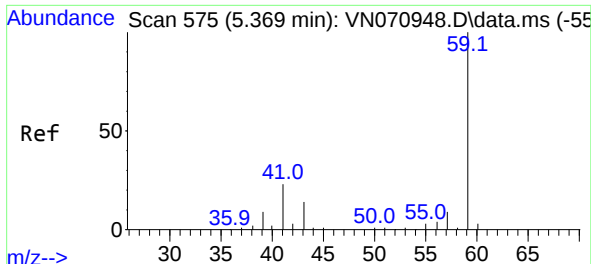
Tgt Ion:168 Resp: 805935
Ion Ratio Lower Upper
168 100
99 56.5 41.3 61.9



#3
Chloromethane
Concen: 0.262 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 50 Resp: 2755
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.0

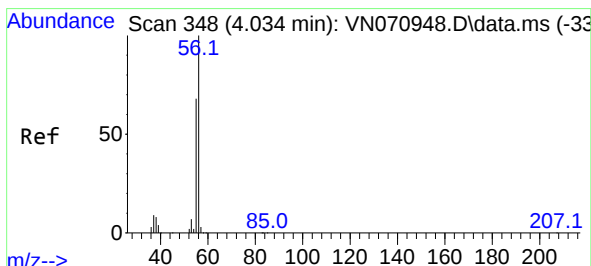
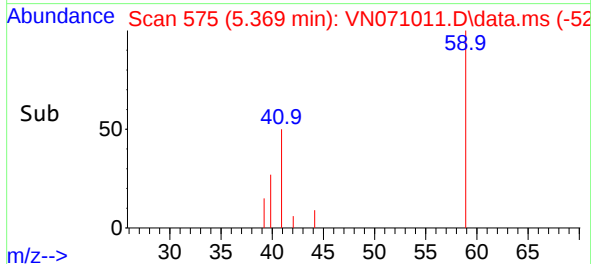
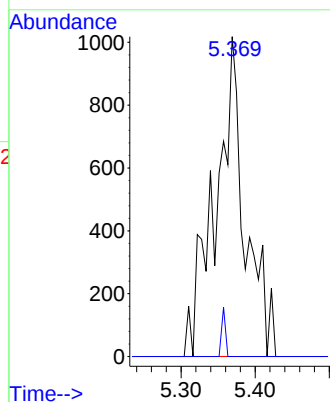
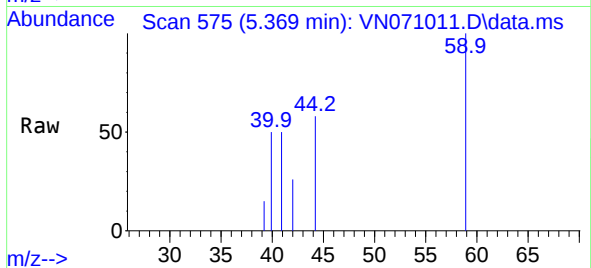




#11
Tert butyl alcohol
Concen: 1.686 ug/l
RT: 5.369 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

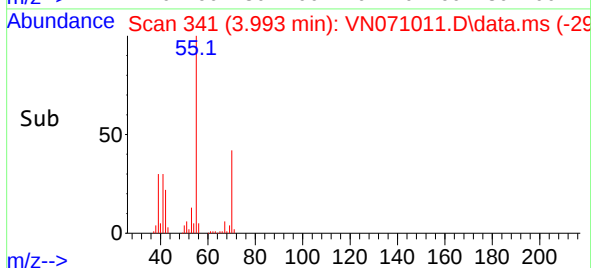
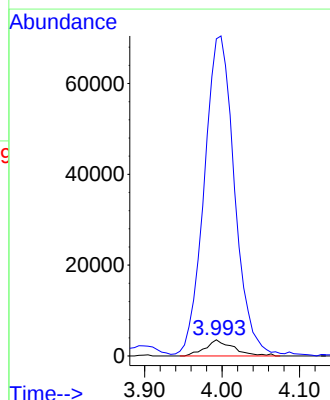
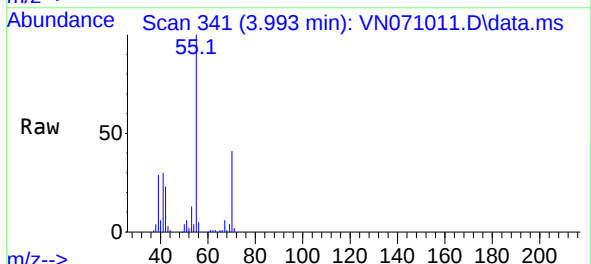
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

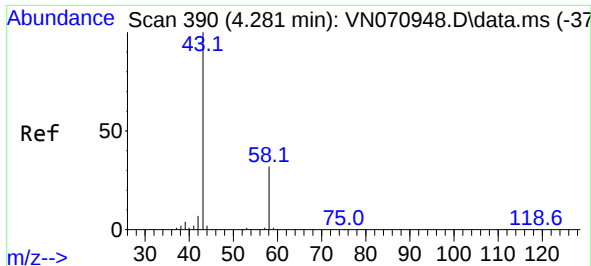
Tgt Ion: 59 Resp: 2828
Ion Ratio Lower Upper
59 100
57 1.9 8.7 13.1#



#13
Acrolein
Concen: 6.024 ug/l
RT: 3.993 min Scan# 341
Delta R.T. -0.041 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 56 Resp: 9032
Ion Ratio Lower Upper
56 100
55 2104.7 56.6 85.0#

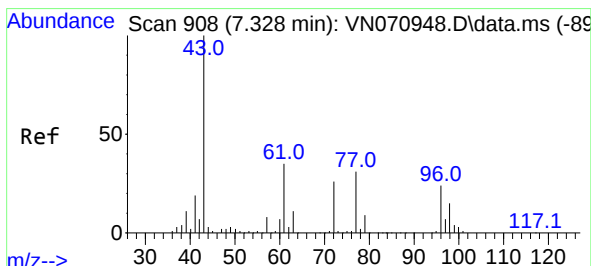
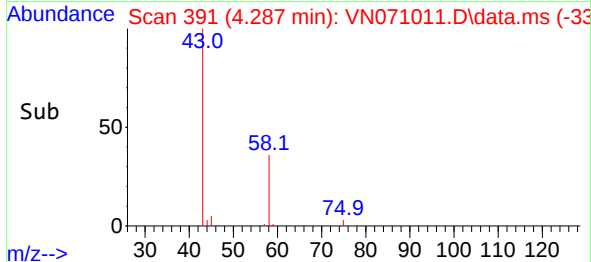
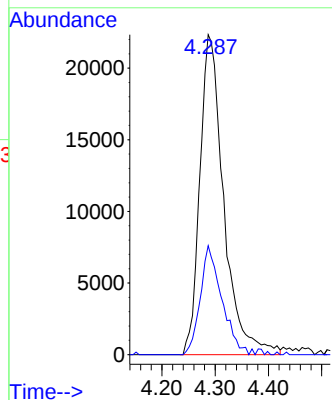
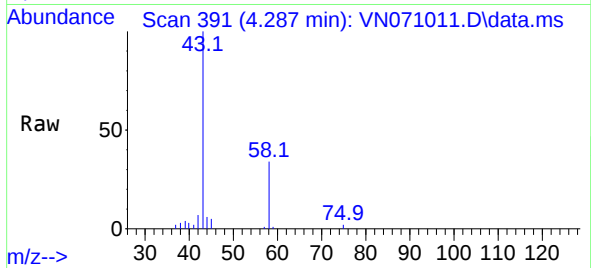




#16
Acetone
Concen: 13.712 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

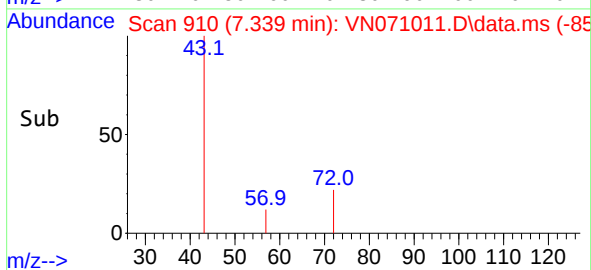
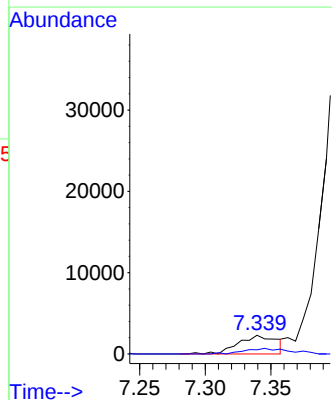
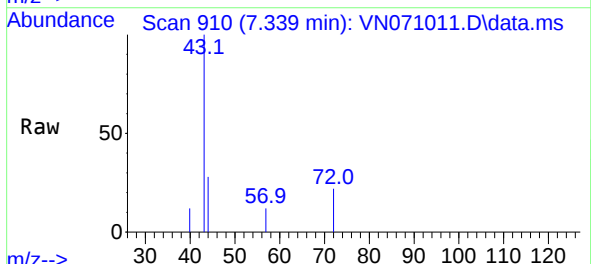
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

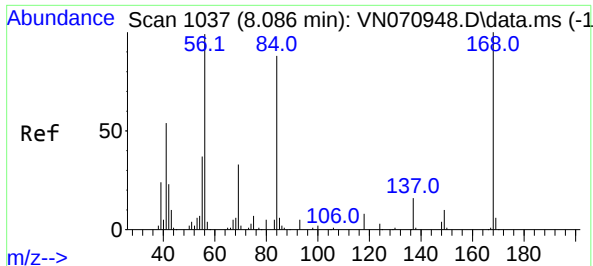
Tgt Ion: 43 Resp: 69521
Ion Ratio Lower Upper
43 100
58 34.1 23.1 34.7



#25
2-Butanone
Concen: 0.692 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 43 Resp: 4664
Ion Ratio Lower Upper
43 100
72 22.4 21.7 32.5

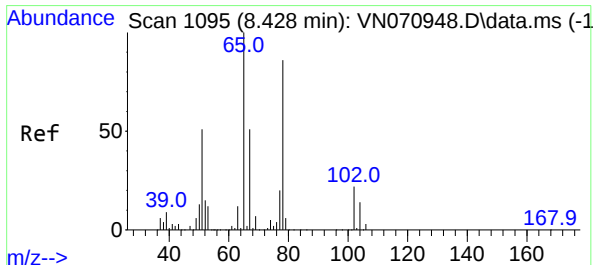
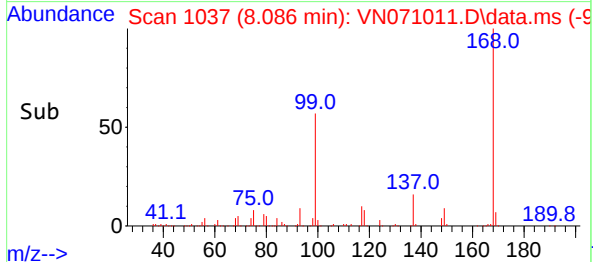
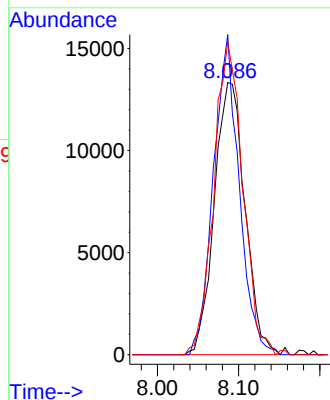
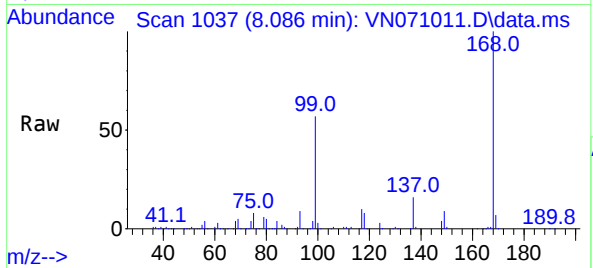




#31
Cyclohexane
Concen: 2.197 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

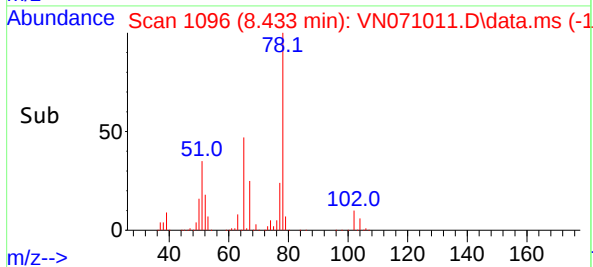
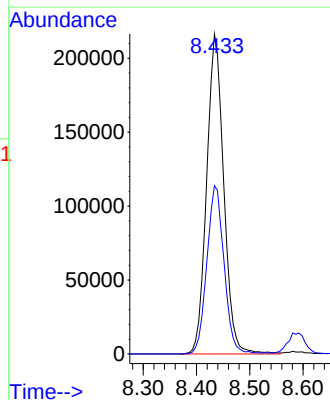
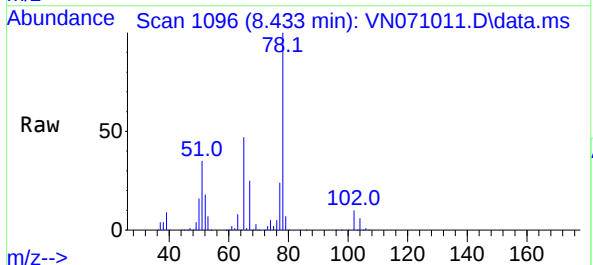
Instrument :
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ClientSampleId :
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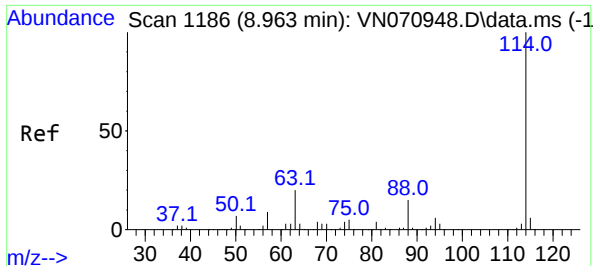
Tgt Ion: 56 Resp: 34983
Ion Ratio Lower Upper
56 100
69 117.6 27.1 40.7#
84 114.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.359 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 65 Resp: 482030
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0

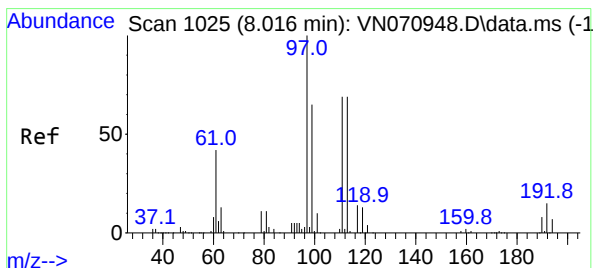
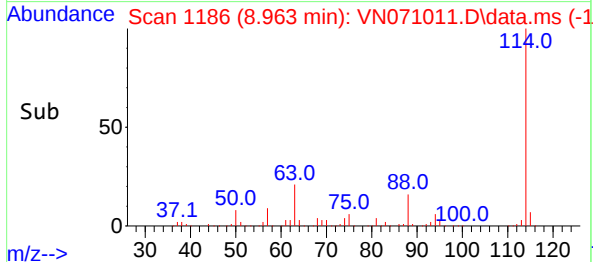
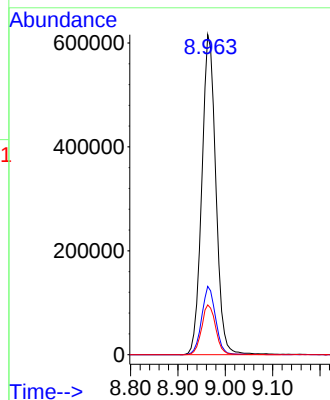
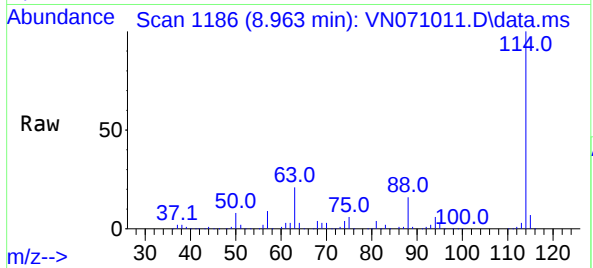




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

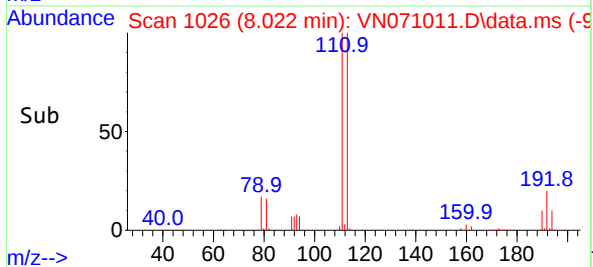
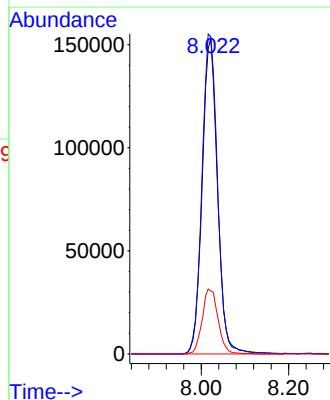
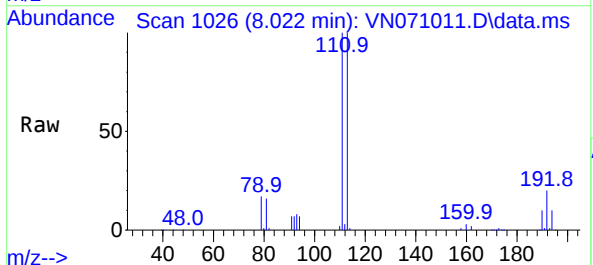
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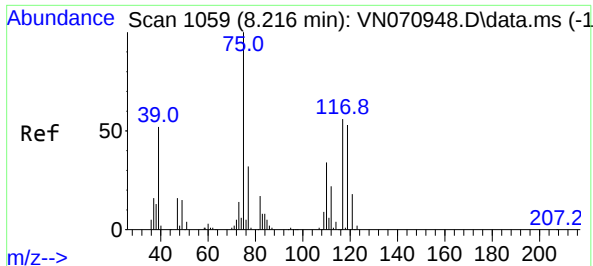
Tgt Ion:114 Resp: 1269633
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 15.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.389 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion:113 Resp: 372975
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 21.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071011.D

Acq: 18 Feb 2022 19:27

Instrument :

MSVOA_N

ClientSampleId :

SPN-1

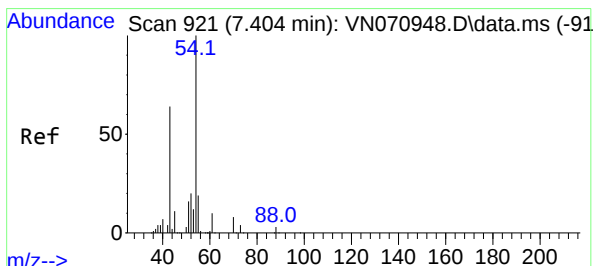
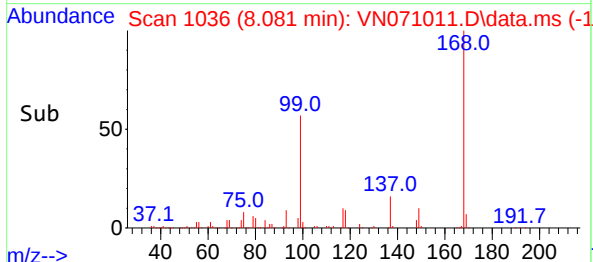
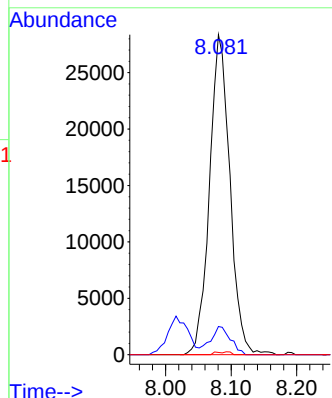
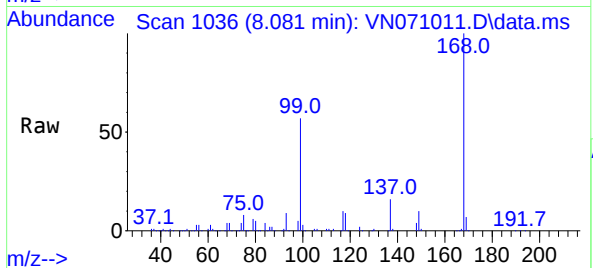
Tgt Ion: 75 Resp: 61304

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 9.810 ug/l

RT: 7.410 min Scan# 922

Delta R.T. 0.006 min

Lab File: VN071011.D

Acq: 18 Feb 2022 19:27

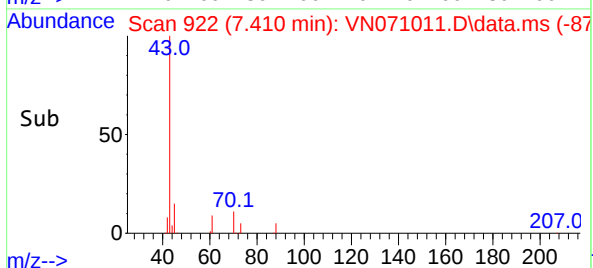
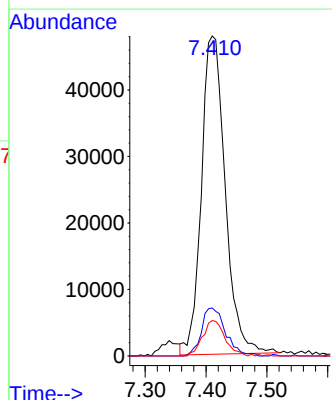
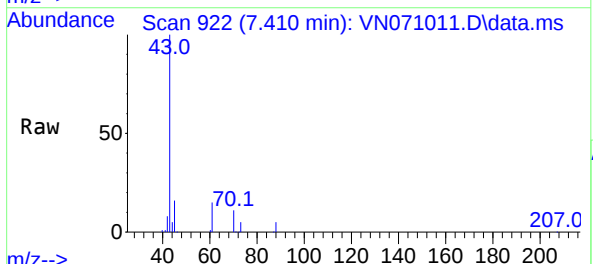
Tgt Ion: 43 Resp: 130165

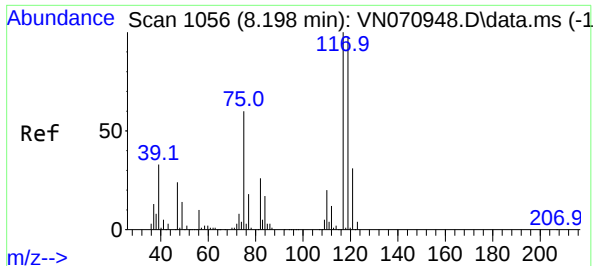
Ion Ratio Lower Upper

43 100

61 15.2 11.5 17.3

70 10.4 7.9 11.9

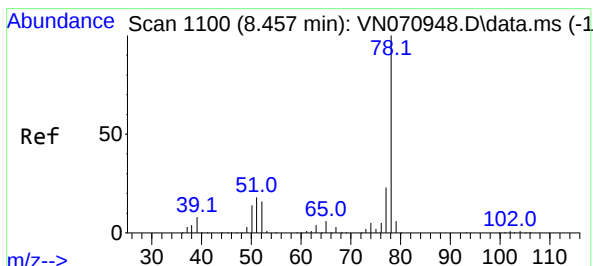
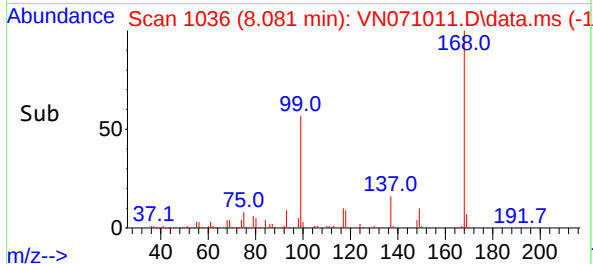
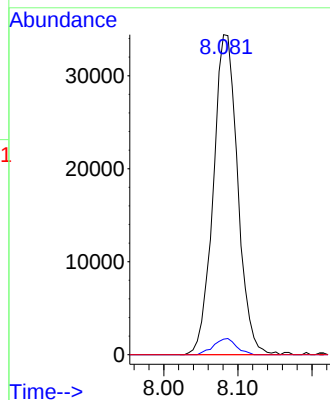
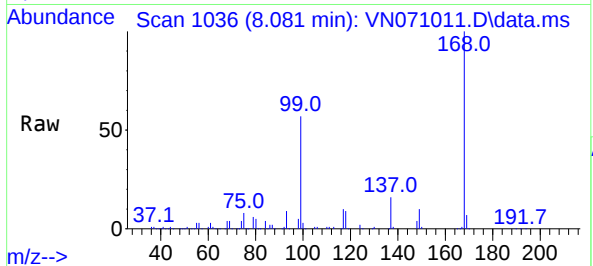




#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 8.081 min Scan# 1100
Delta R.T. -0.118 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

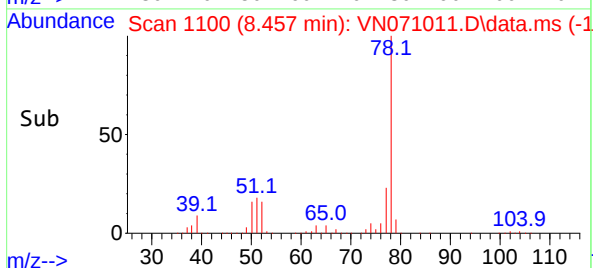
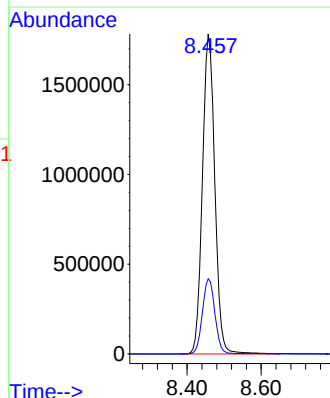
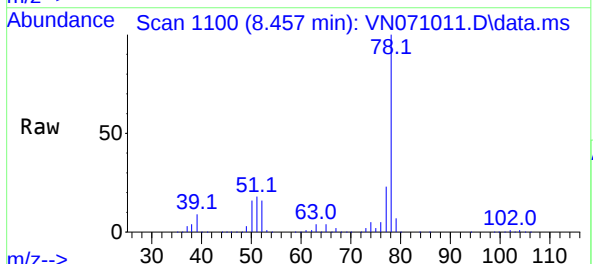
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

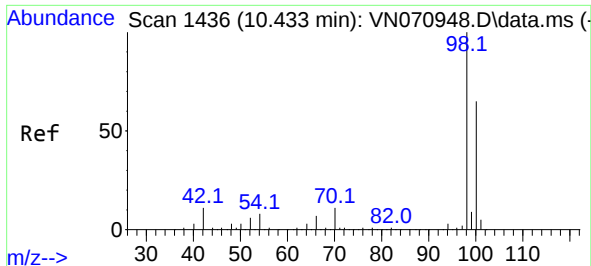
Tgt Ion:117 Resp: 78708
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 112.839 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 78 Resp: 4129598
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8

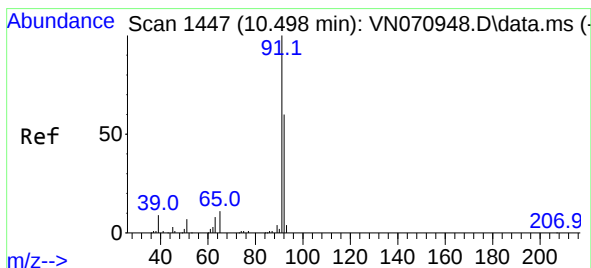
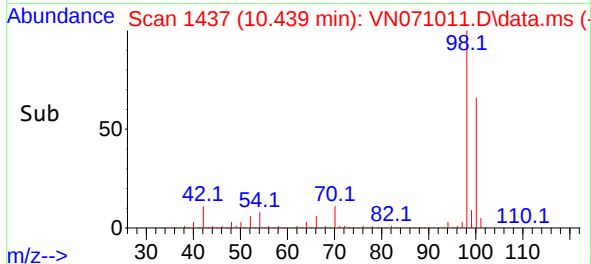
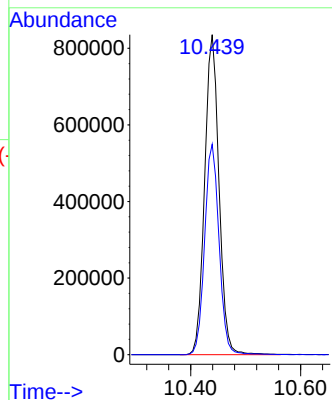
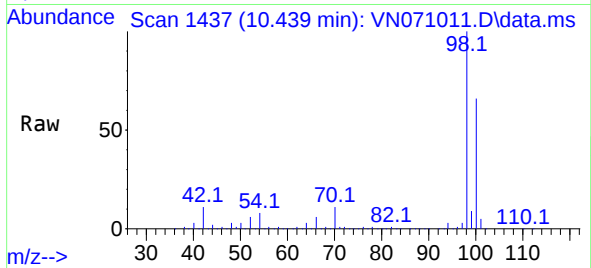




#50
Toluene-d8
Concen: 49.879 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

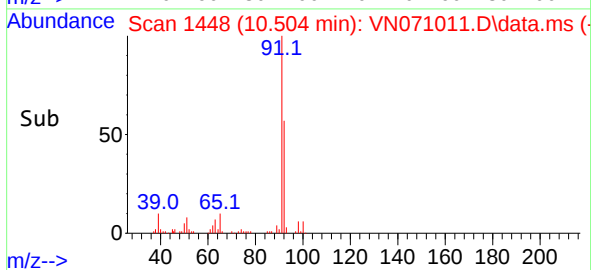
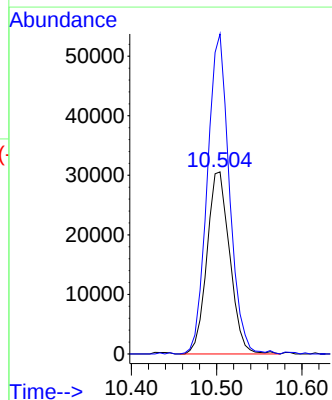
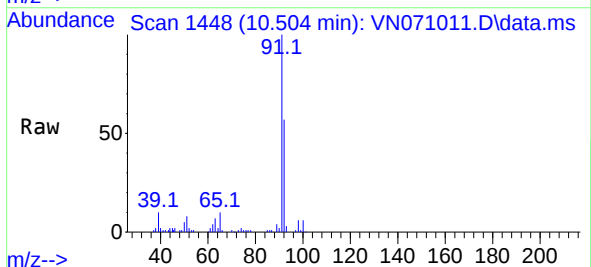
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

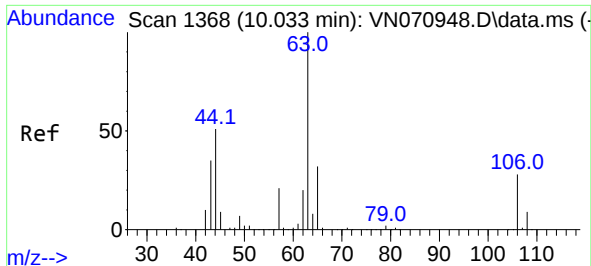
Tgt Ion: 98 Resp: 1512694
Ion Ratio Lower Upper
98 100
100 66.1 50.4 75.6



#52
Toluene
Concen: 2.467 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 92 Resp: 56730
Ion Ratio Lower Upper
92 100
91 170.4 142.0 213.0

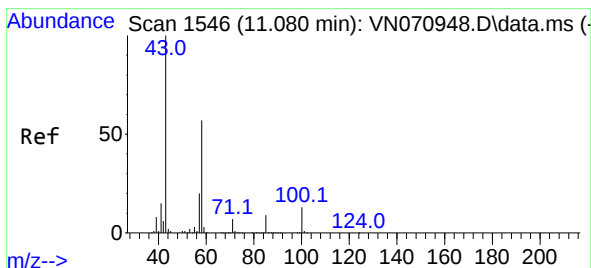
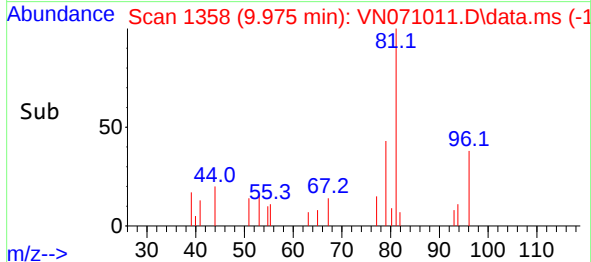
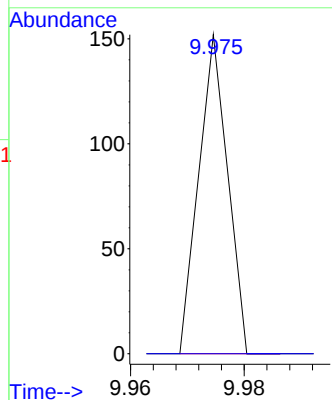
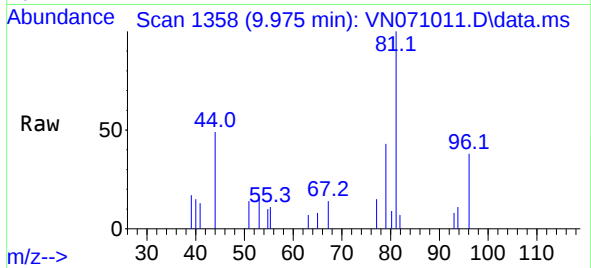




#58
2-Chloroethyl Vinyl ether
Concen: 31.817 ug/l
RT: 9.975 min Scan# 11
Delta R.T. -0.058 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

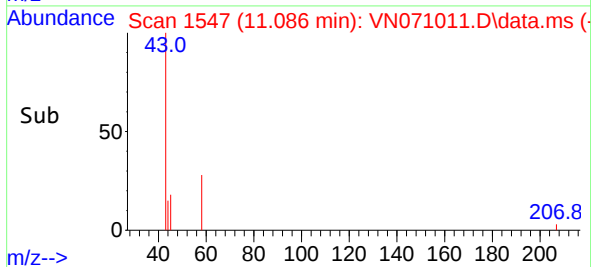
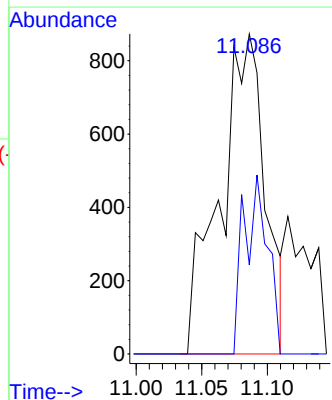
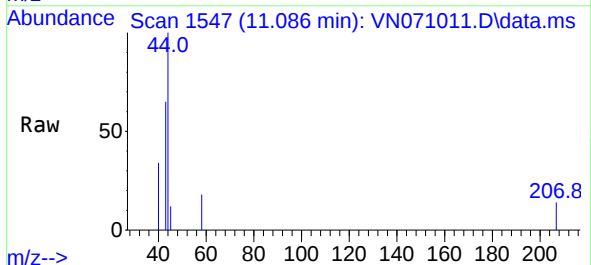
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

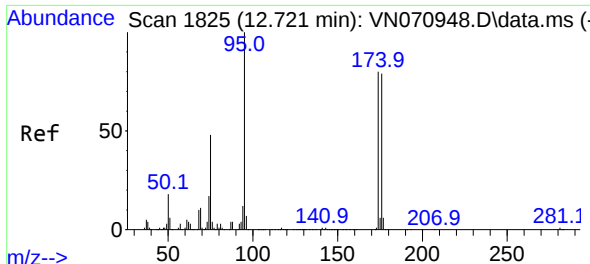
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.240 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
58 29.3 26.9 80.7

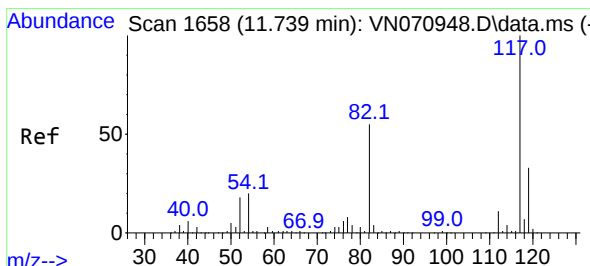
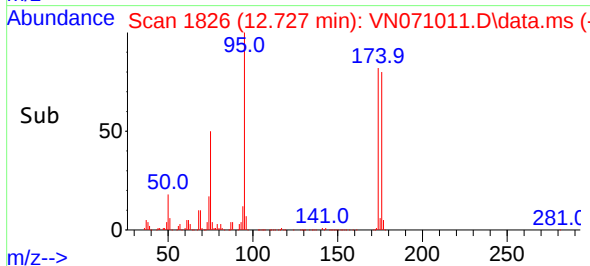
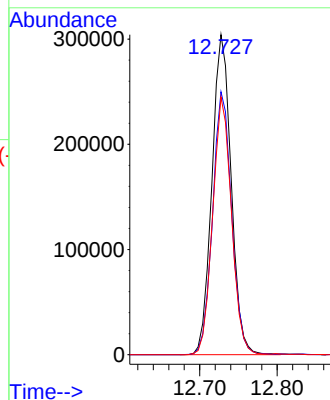
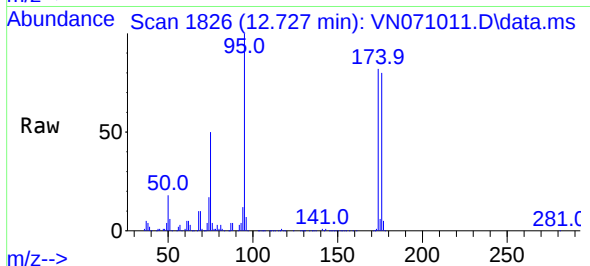




#62
4-Bromofluorobenzene
Concen: 48.356 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

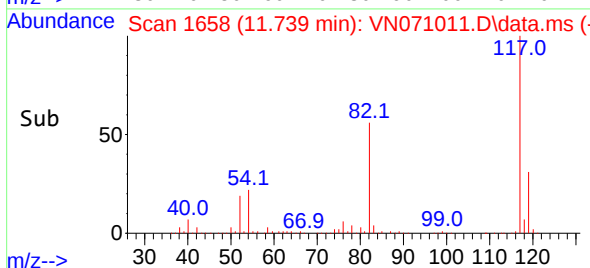
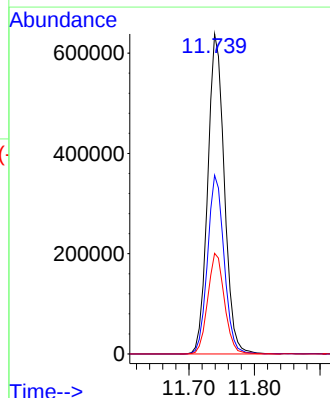
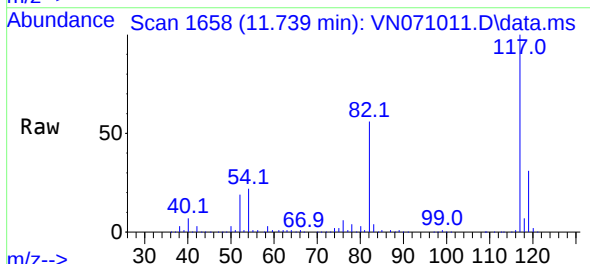
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

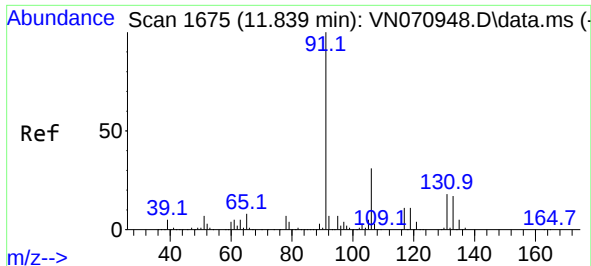
Tgt Ion: 95 Resp: 524190
Ion Ratio Lower Upper
95 100
174 81.4 0.0 187.2
176 78.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 117 Resp: 1122479
Ion Ratio Lower Upper
117 100
82 55.8 42.4 63.6
119 31.5 25.4 38.2

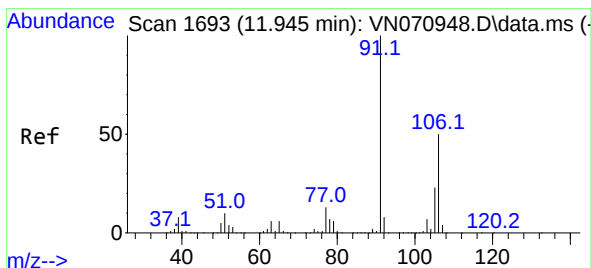
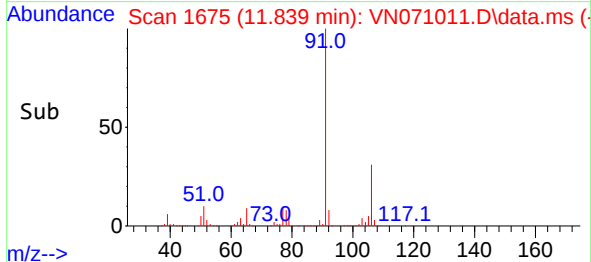
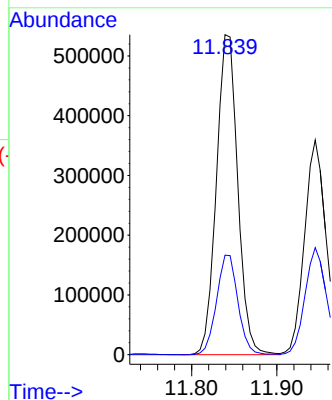
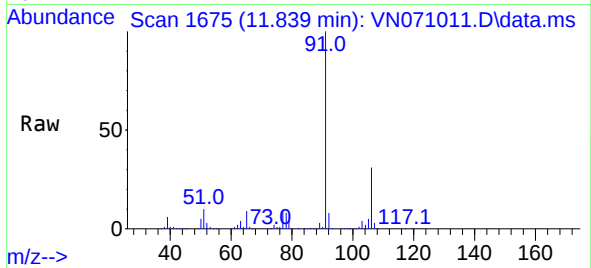




#67
Ethyl Benzene
Concen: 22.040 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

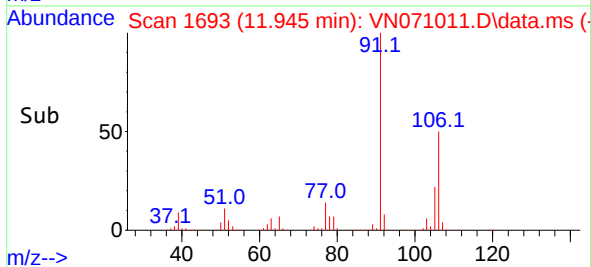
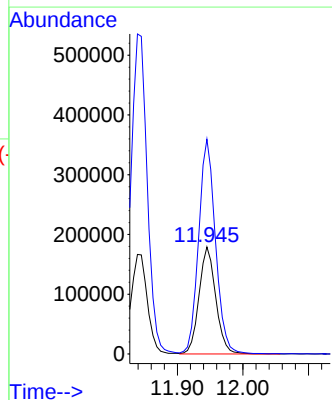
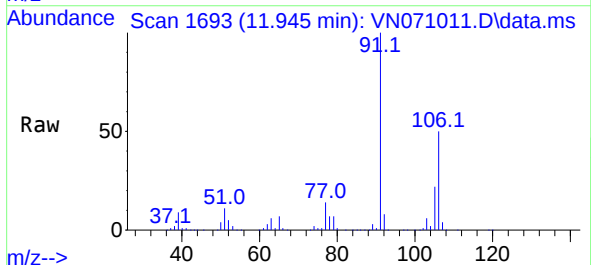
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

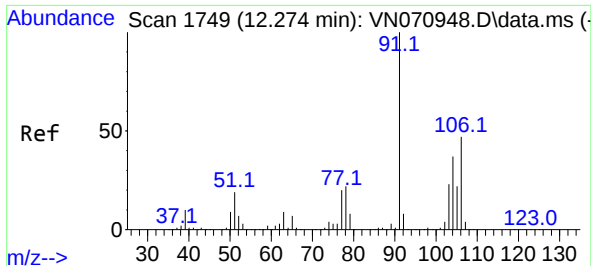
Tgt Ion: 91 Resp: 933052
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5



#68
m/p-Xylenes
Concen: 19.473 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion:106 Resp: 318435
Ion Ratio Lower Upper
106 100
91 201.6 160.6 240.8

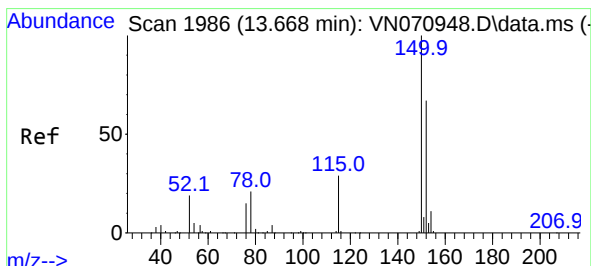
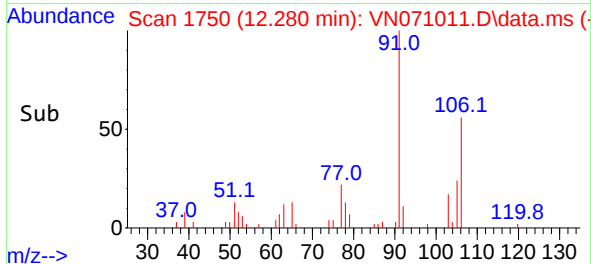
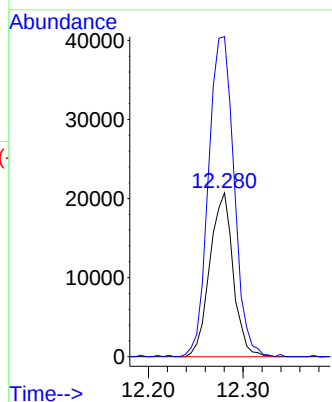
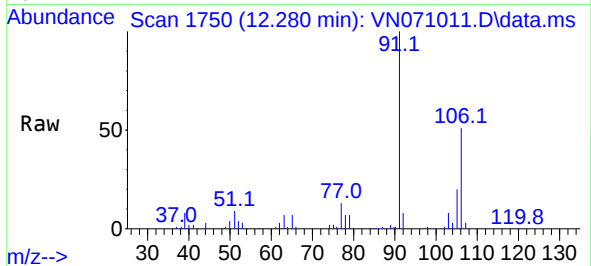




#69
o-Xylene
Concen: 2.225 ug/l
RT: 12.280 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

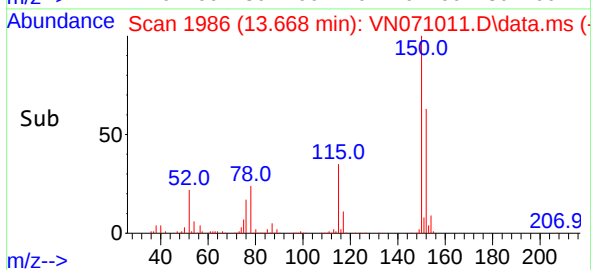
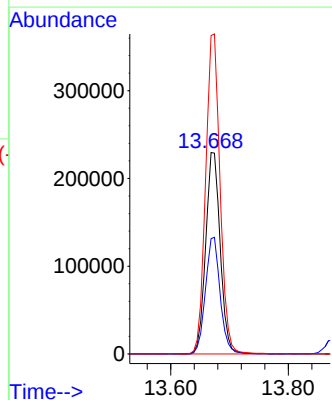
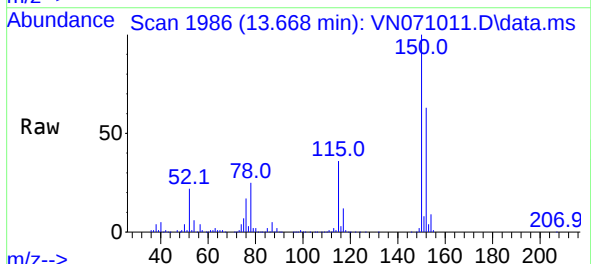
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

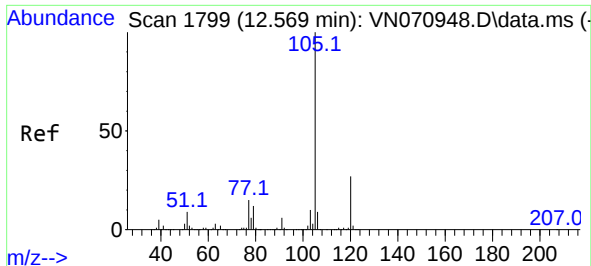
Tgt Ion:106 Resp: 35543
Ion Ratio Lower Upper
106 100
91 214.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion:152 Resp: 394093
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 157.9 0.0 344.4

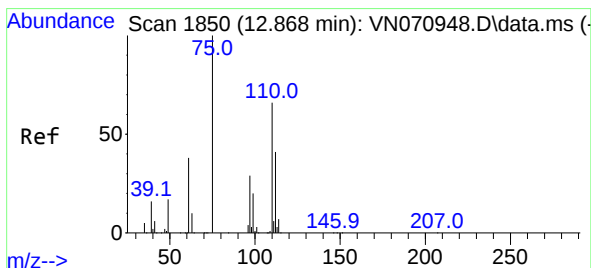
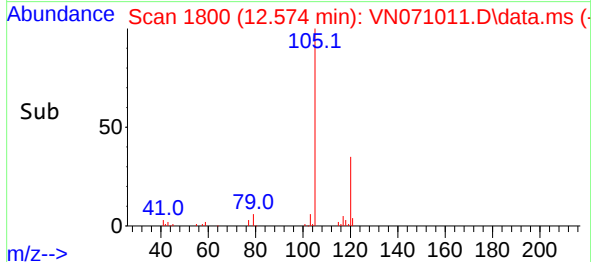
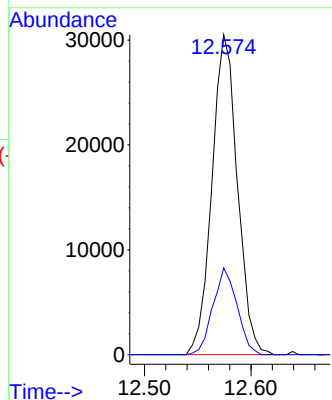
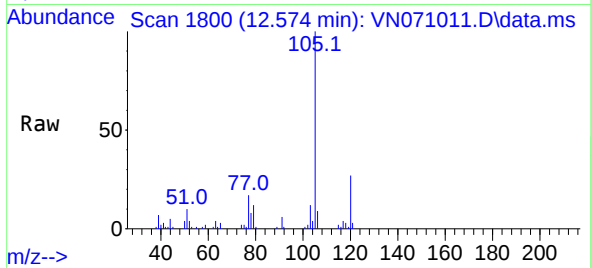




#73
Isopropylbenzene
Concen: 1.597 ug/l
RT: 12.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

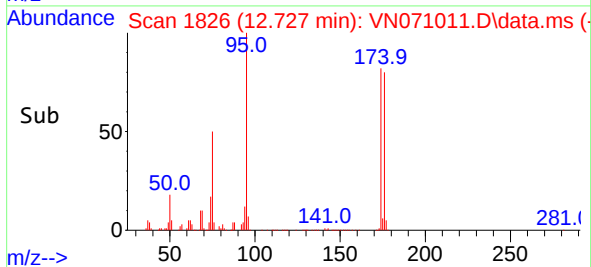
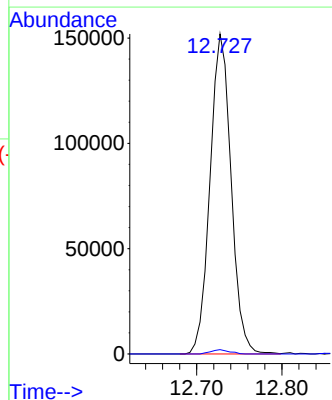
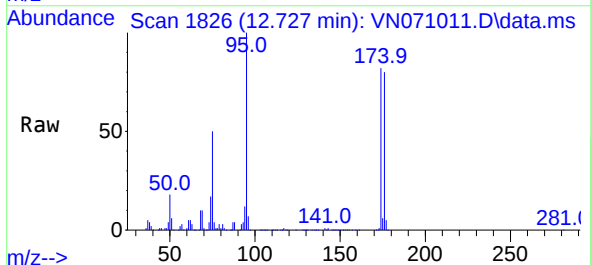
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

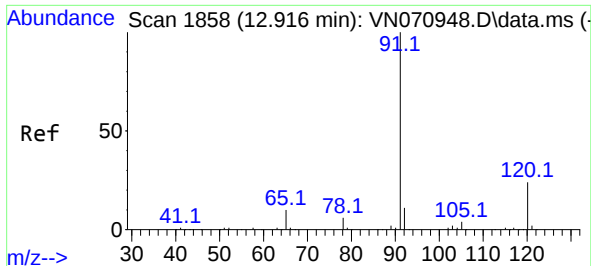
Tgt Ion:105 Resp: 50643
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 28.126 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 75 Resp: 260983
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

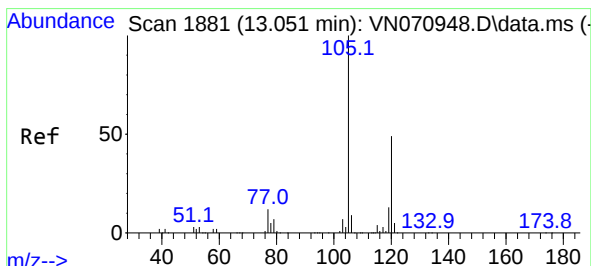
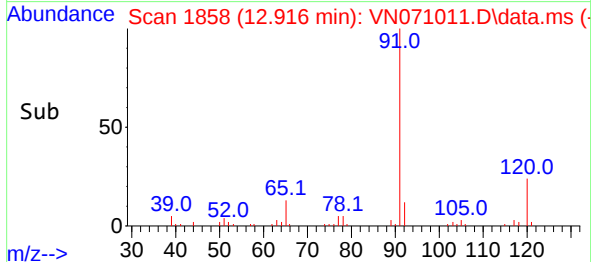
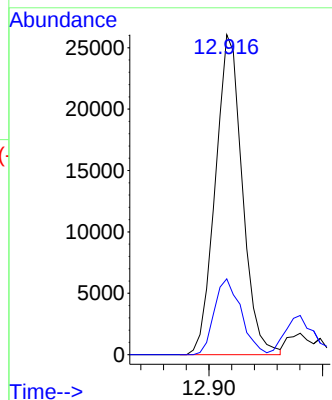
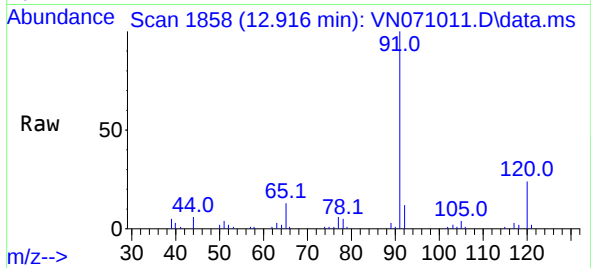




#78
n-propylbenzene
Concen: 1.207 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

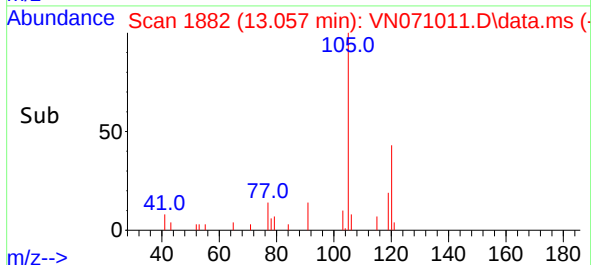
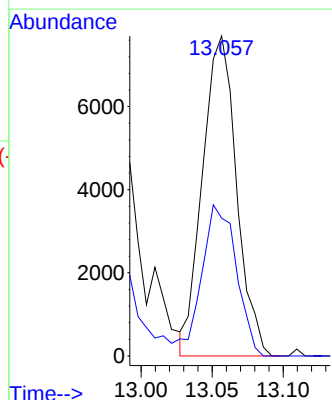
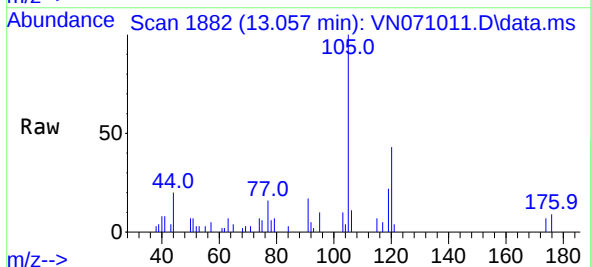
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

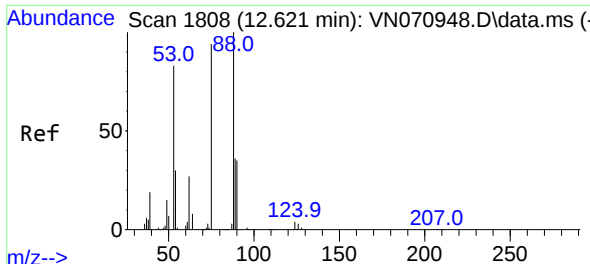
Tgt Ion: 91 Resp: 43007
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.499 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion: 105 Resp: 12829
Ion Ratio Lower Upper
105 100
120 48.3 24.6 73.6

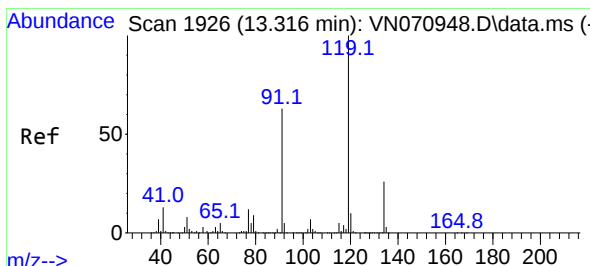
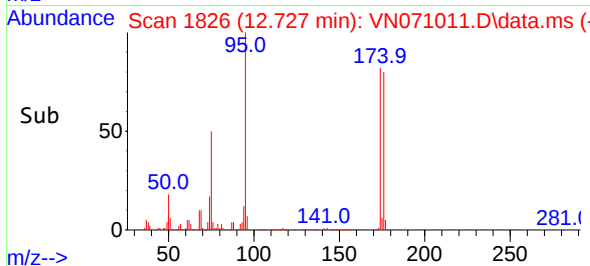
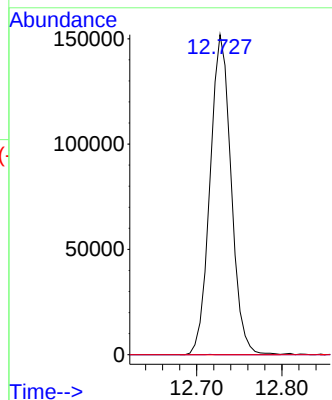
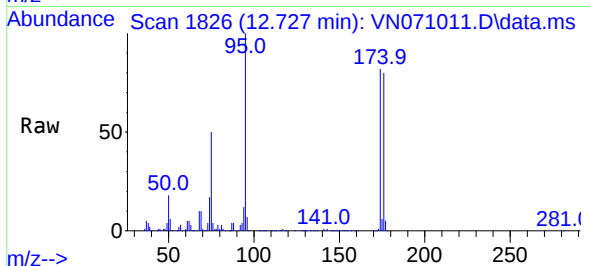




#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.142 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN071011.D
 Acq: 18 Feb 2022 19:27

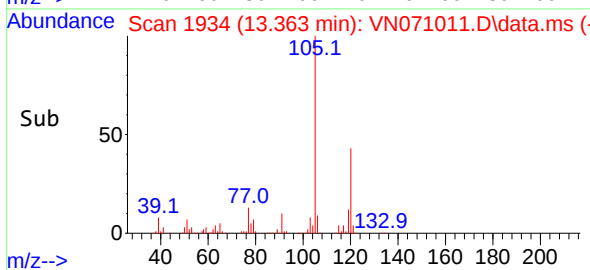
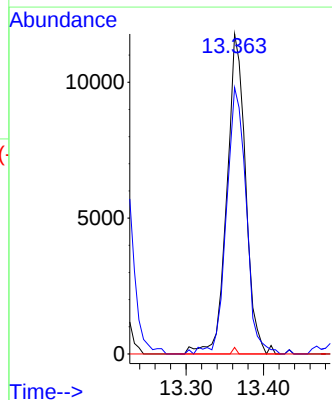
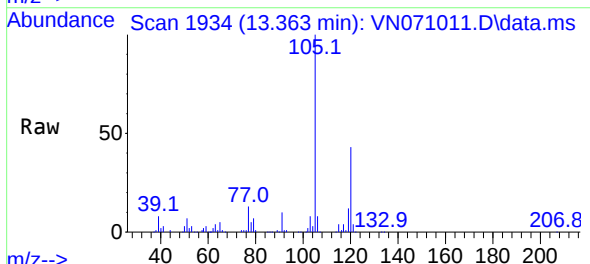
Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-1

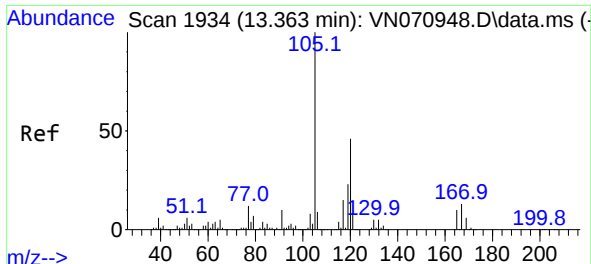
Tgt Ion: 75 Resp: 260983
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#83
 tert-Butylbenzene
 Concen: 0.814 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. 0.047 min
 Lab File: VN071011.D
 Acq: 18 Feb 2022 19:27

Tgt Ion: 119 Resp: 19849
 Ion Ratio Lower Upper
 119 100
 91 87.8 31.5 94.5
 134 0.4 12.4 37.4#

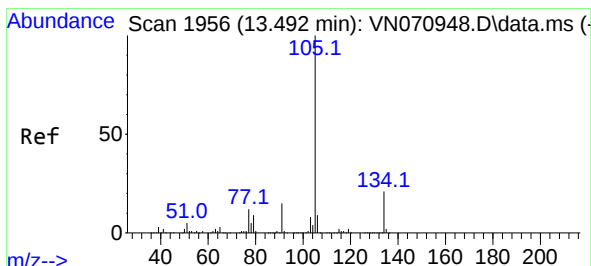
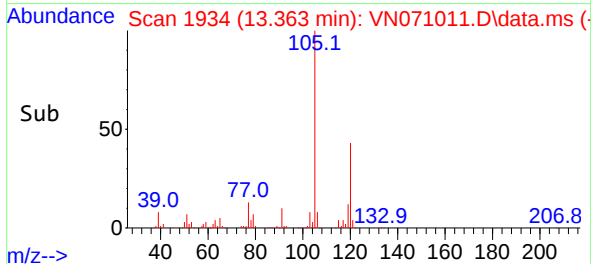
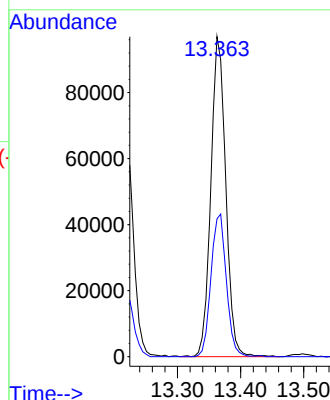
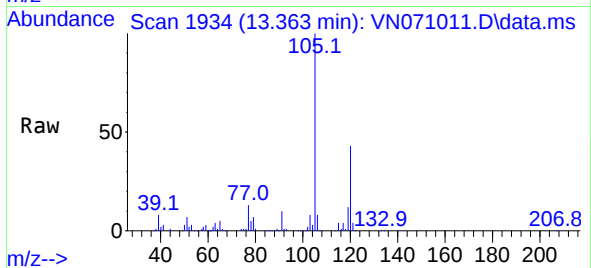




#84
1,2,4-Trimethylbenzene
Concen: 6.279 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

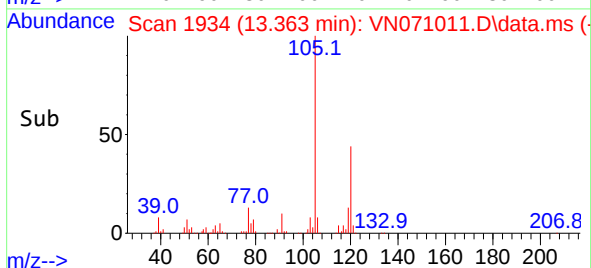
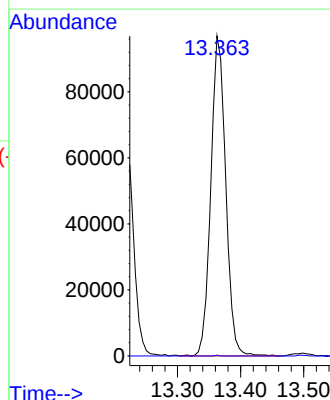
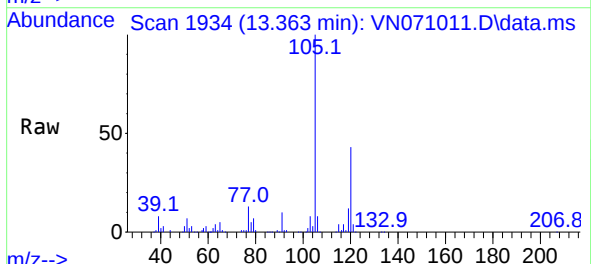
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

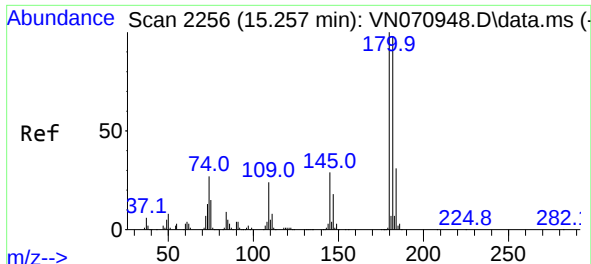
Tgt Ion:105 Resp: 158848
Ion Ratio Lower Upper
105 100
120 45.9 22.8 68.4



#85
sec-Butylbenzene
Concen: 4.946 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.129 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

Tgt Ion:105 Resp: 158848
Ion Ratio Lower Upper
105 100
134 0.1 10.4 31.1#

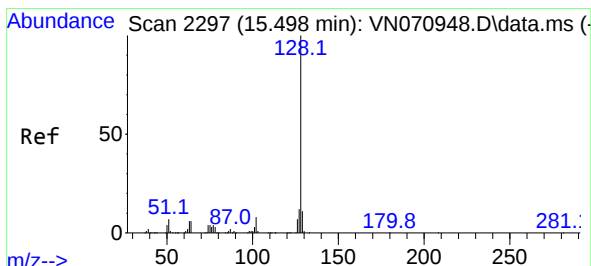
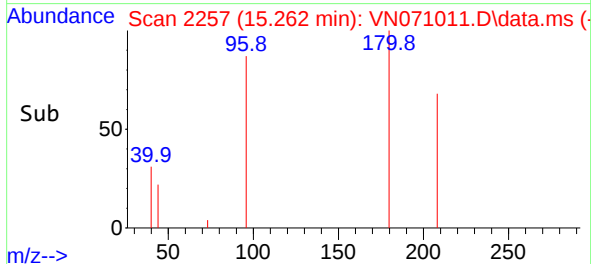
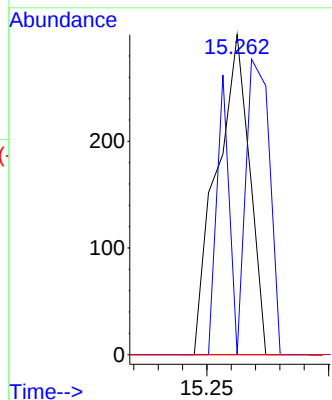
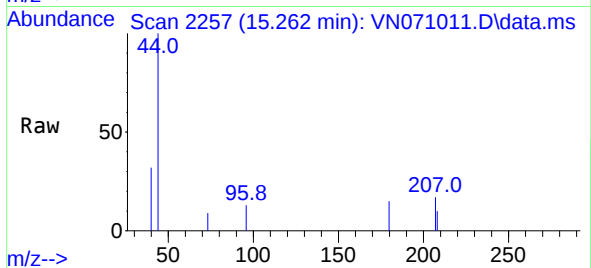




#93
1,2,4-Trichlorobenzene
Concen: 2.036 ug/l
RT: 15.262 min Scan# 211
Delta R.T. 0.005 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

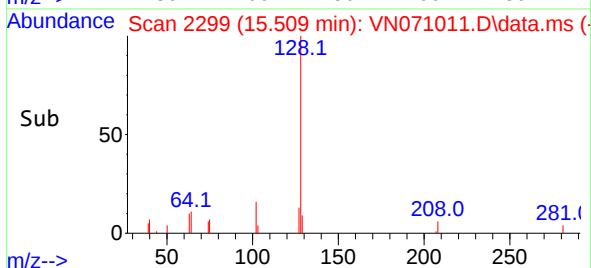
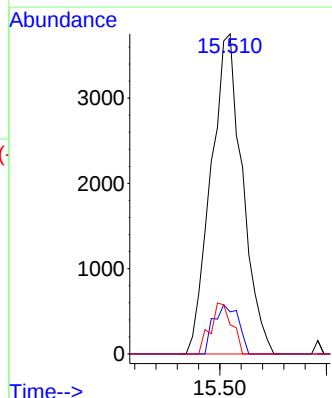
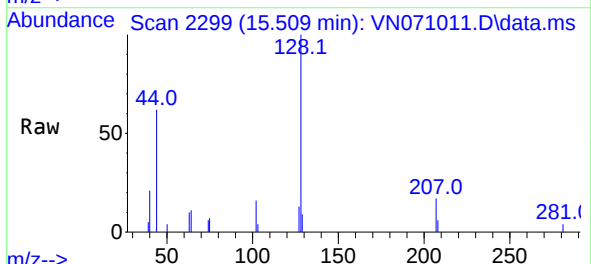
Instrument :
MSVOA_N
ClientSampleId :
SPN-1

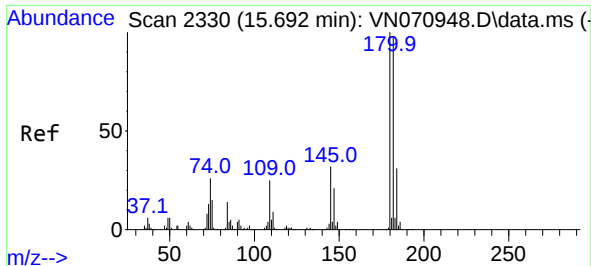
Tgt Ion:180 Resp: 282
Ion Ratio Lower Upper
180 100
182 98.9 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.383 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN071011.D
Acq: 18 Feb 2022 19:27

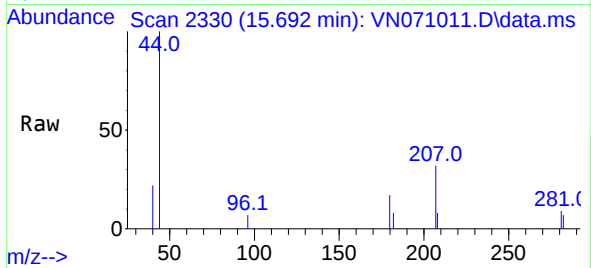
Tgt Ion:128 Resp: 7708
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.582 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071011.D
 Acq: 18 Feb 2022 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 SPN-1



Tgt Ion:180 Resp: 467

Ion	Ratio	Lower	Upper
180	100		
182	84.2	47.4	142.2
145	0.0	15.0	45.1#

