

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071119.D
 Acq On : 01 Mar 2022 15:24
 Operator : JC\MD
 Sample : N1689-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Mar 02 03:29:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

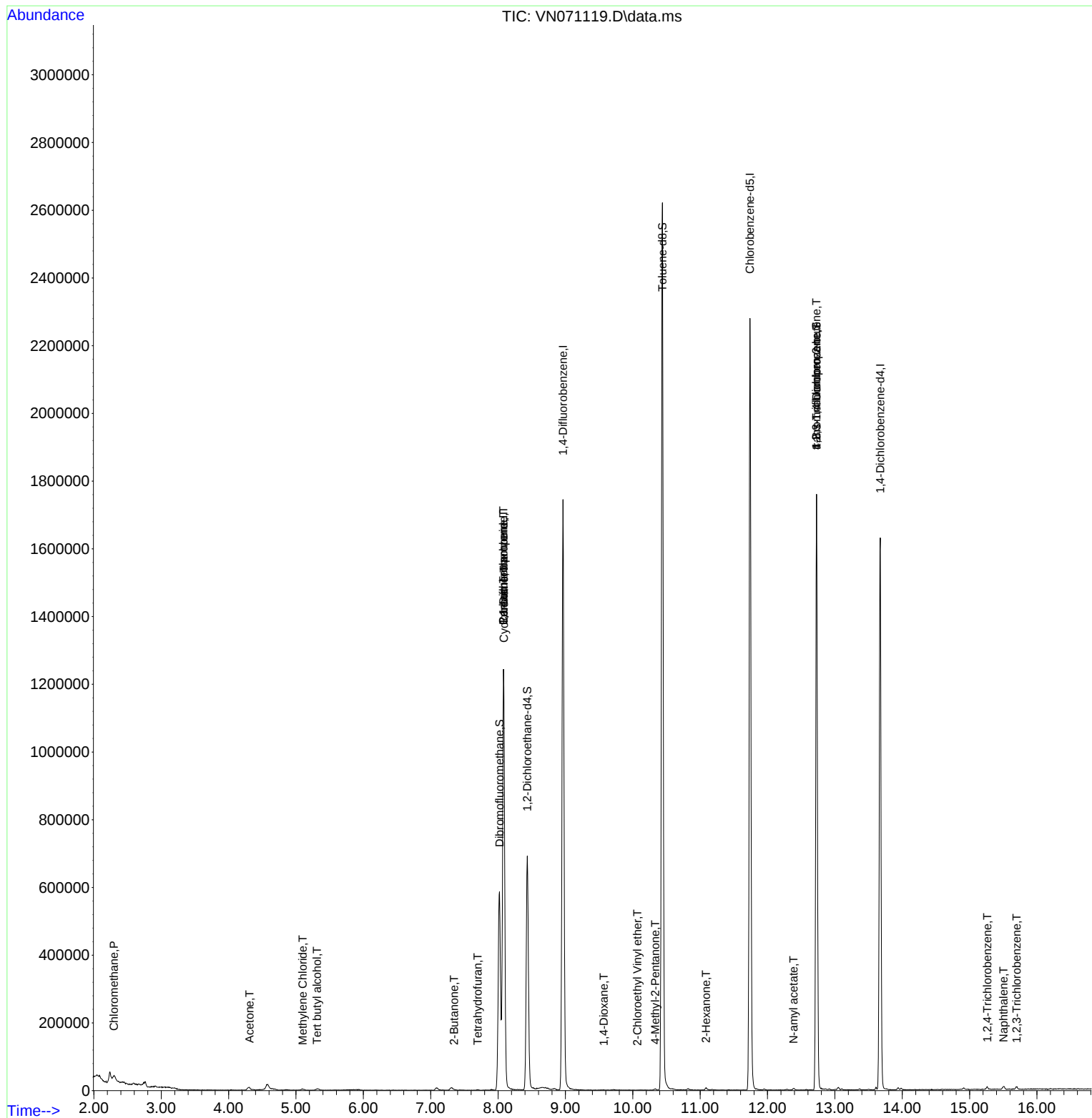
Internal Standards						
1) Pentafluorobenzene	8.080	168	944665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1506785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1336631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	461313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	570219	52.842	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.680%	
35) Dibromofluoromethane	8.022	113	434454	48.475	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.960%	
50) Toluene-d8	10.439	98	1822380	50.633	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.260%	
62) 4-Bromofluorobenzene	12.727	95	619558	48.158	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	4526	0.367	ug/l #	88
11) Tert butyl alcohol	5.310	59	2990	1.520	ug/l #	71
16) Acetone	4.310	43	12179	2.049	ug/l	92
18) Methyl Acetate	4.857	43	3548	Below Cal	#	84
20) Methylene Chloride	5.098	84	2947	0.273	ug/l #	73
25) 2-Butanone	7.345	43	3889	0.492	ug/l #	85
29) Tetrahydrofuran	7.698	42	1294	0.253	ug/l #	60
31) Cyclohexane	8.086	56	18713	1.003	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	72857	4.962	ug/l #	50
38) Carbon Tetrachloride	8.080	117	92955	6.425	ug/l #	16
49) 1,4-Dioxane	9.569	88	165	0.791	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	3422	0.227	ug/l #	85
58) 2-Chloroethyl Vinyl ether	10.069	63	120	31.830	ug/l #	45
59) 2-Hexanone	11.086	43	5944	0.572	ug/l	97
74) N-amyl acetate	12.386	43	3356	0.283	ug/l #	64
76) 1,2,3-Trichloropropane	12.727	75	313209	28.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	313209	93.443	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	3160	2.356	ug/l	87
95) Naphthalene	15.504	128	10210	5.435	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.698	180	3276	2.913	ug/l	95

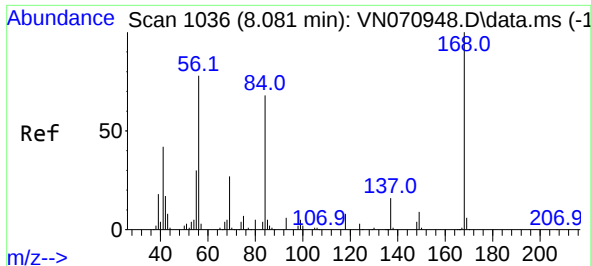
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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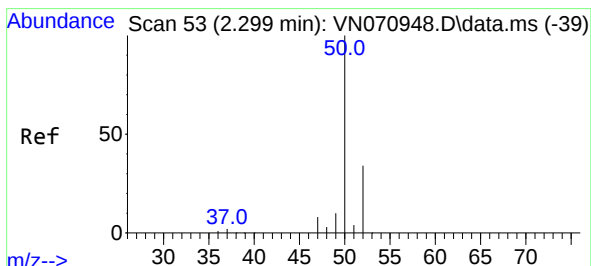
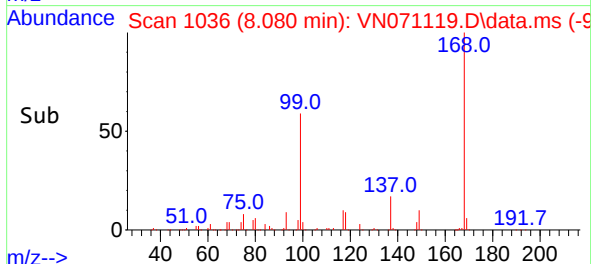
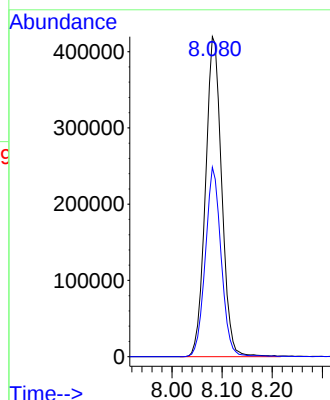
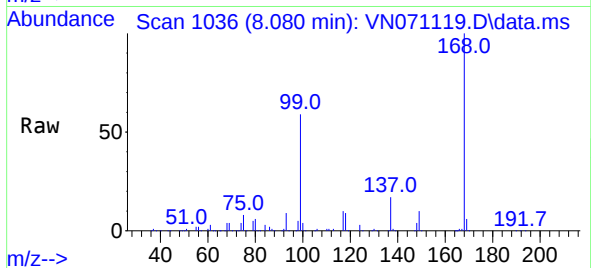




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

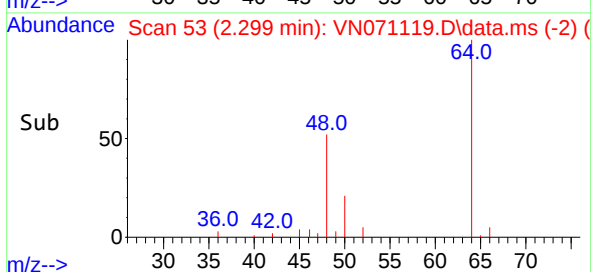
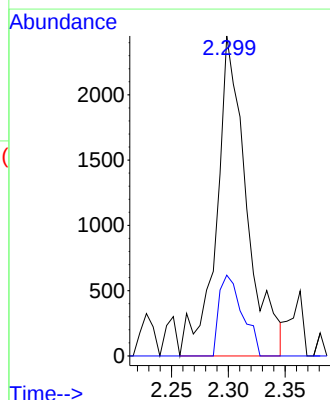
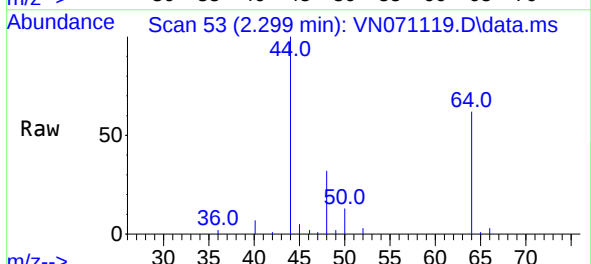
Instrument :
MSVOA_N
ClientSampleId :
TB

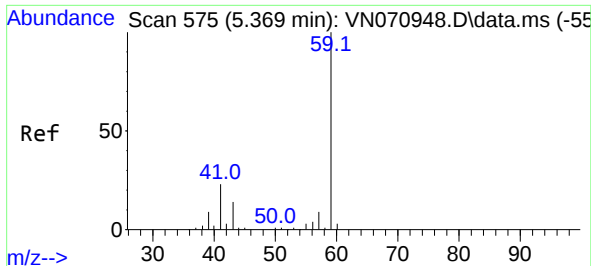
Tgt Ion:168 Resp: 944665
Ion Ratio Lower Upper
168 100
99 59.2 41.3 61.9



#3
Chloromethane
Concen: 0.367 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion: 50 Resp: 4526
Ion Ratio Lower Upper
50 100
52 25.3 25.4 38.0#





#11

Tert butyl alcohol

Concen: 1.520 ug/l

RT: 5.310 min Scan# 50

Delta R.T. -0.059 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

Instrument :

MSVOA_N

ClientSampleId :

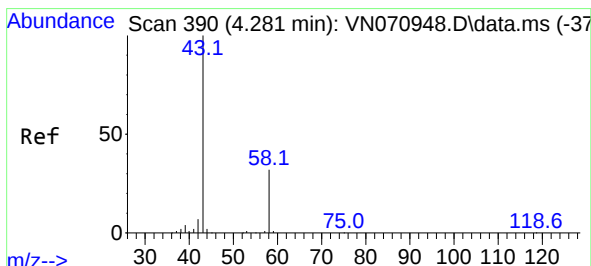
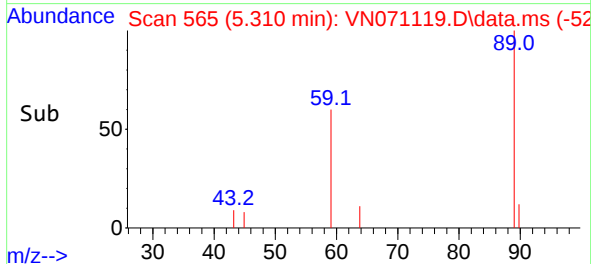
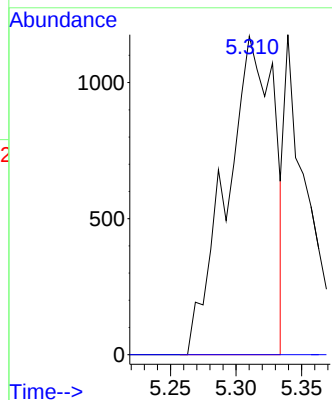
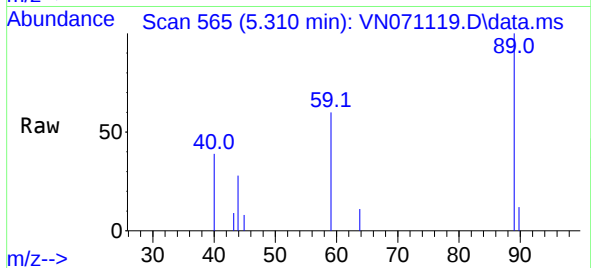
TB

Tgt Ion: 59 Resp: 2990

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 2.049 ug/l

RT: 4.310 min Scan# 395

Delta R.T. 0.029 min

Lab File: VN071119.D

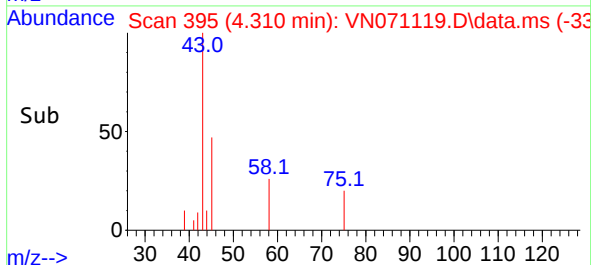
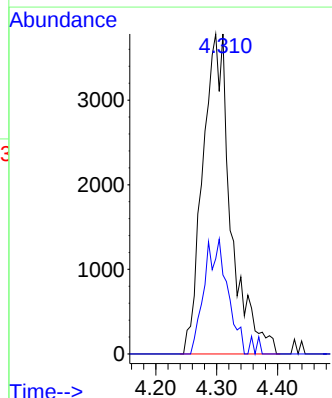
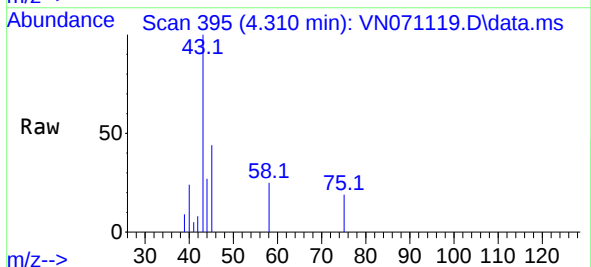
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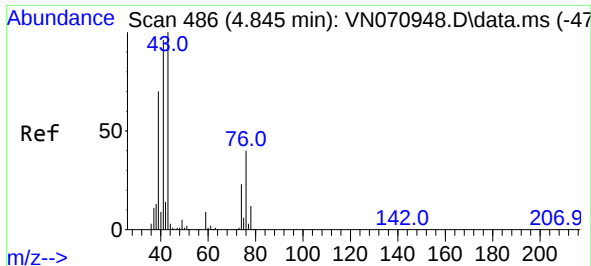
Tgt Ion: 43 Resp: 12179

Ion Ratio Lower Upper

43 100

58 24.7 23.1 34.7

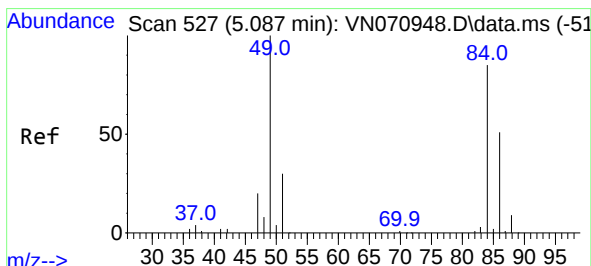
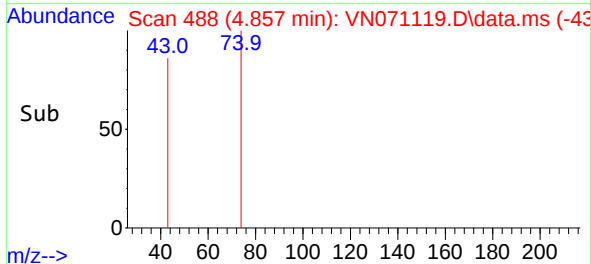
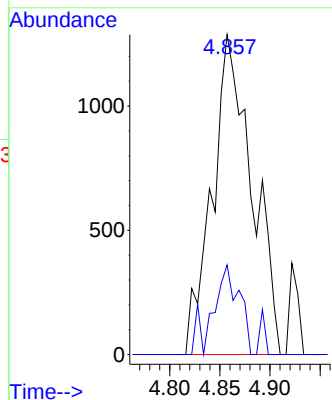
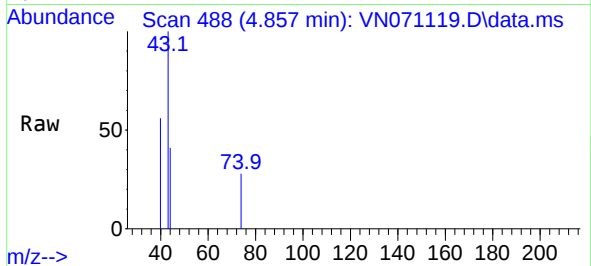




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

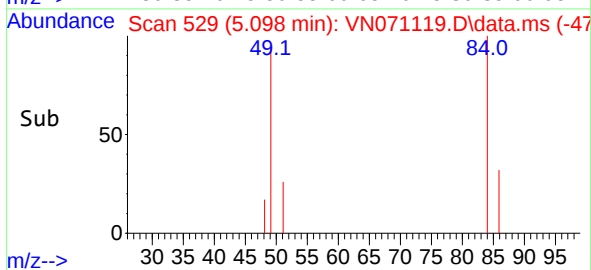
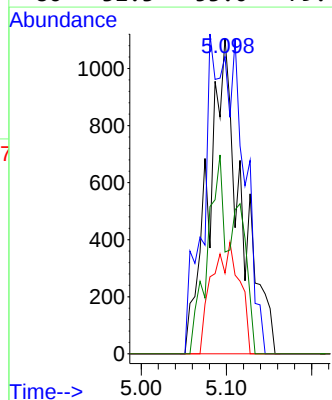
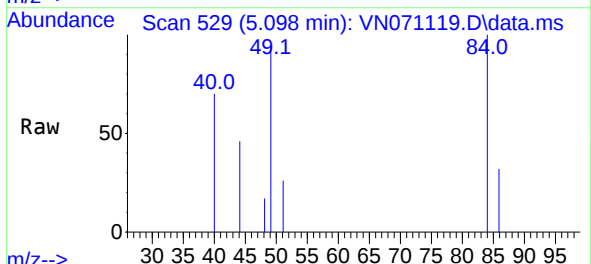
Instrument :
MSVOA_N
ClientSampleId :
TB

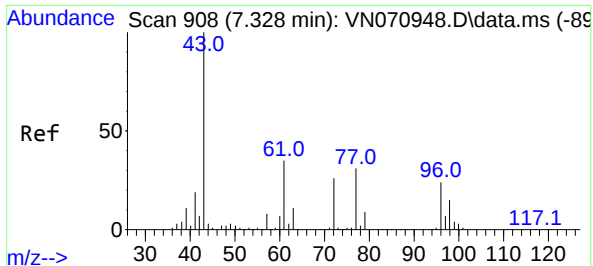
Tgt Ion: 43 Resp: 3548
Ion Ratio Lower Upper
43 100
74 16.6 19.4 29.2#



#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion: 84 Resp: 2947
Ion Ratio Lower Upper
84 100
49 94.2 93.5 140.3
51 25.6 29.4 44.2#
86 32.3 53.0 79.4#





#25

2-Butanone

Concen: 0.492 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

Instrument :

MSVOA_N

ClientSampleId :

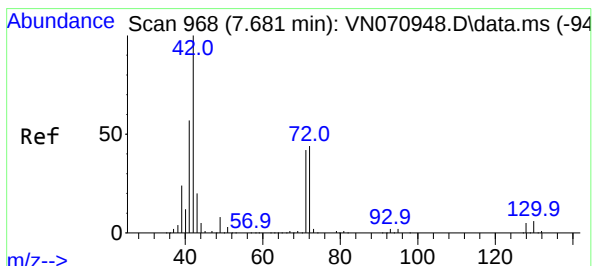
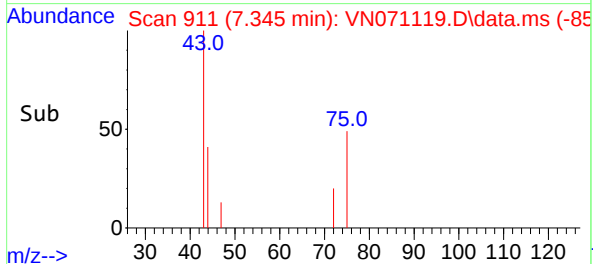
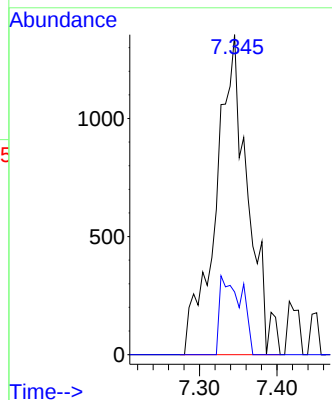
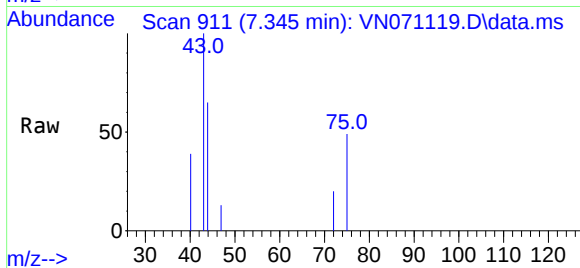
TB

Tgt Ion: 43 Resp: 3889

Ion Ratio Lower Upper

43 100

72 19.6 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.253 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.018 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

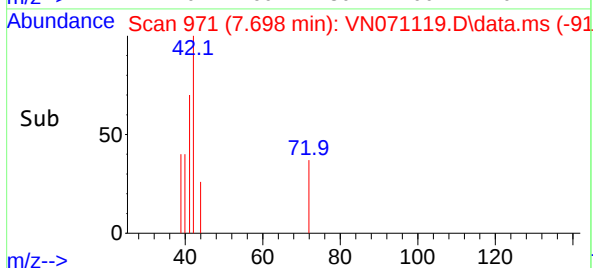
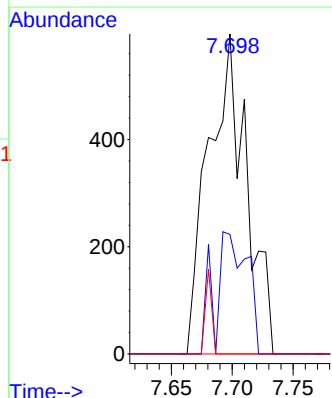
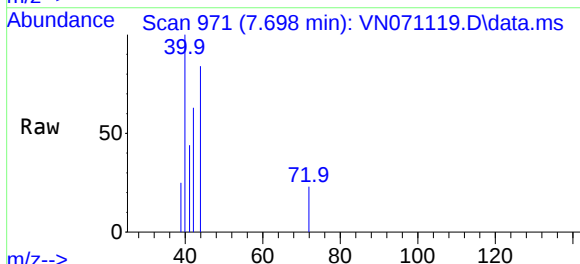
Tgt Ion: 42 Resp: 1294

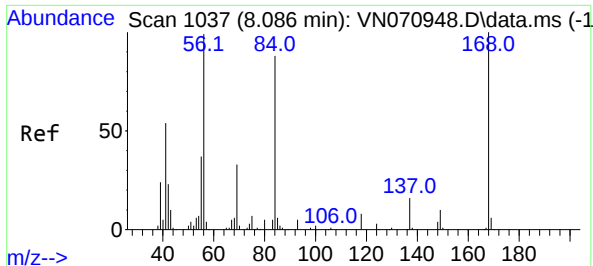
Ion Ratio Lower Upper

42 100

72 32.0 36.3 54.5#

71 4.3 34.7 52.1#

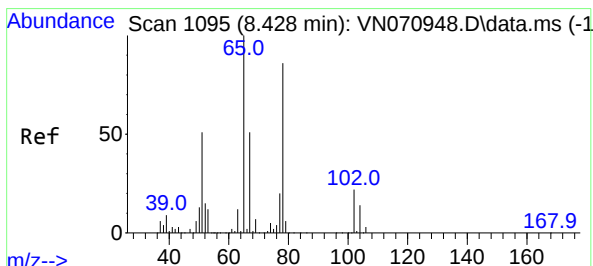
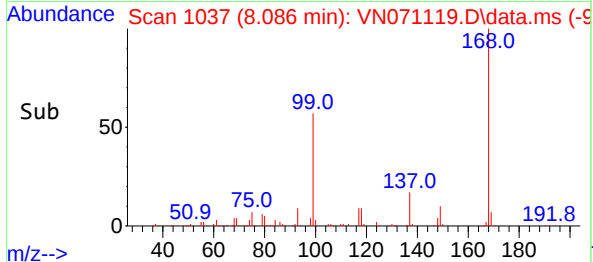
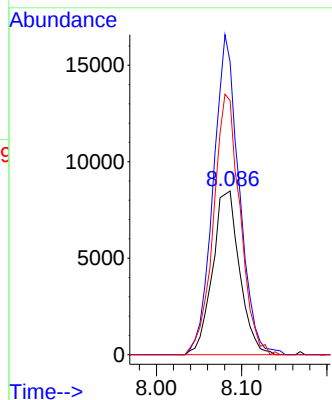
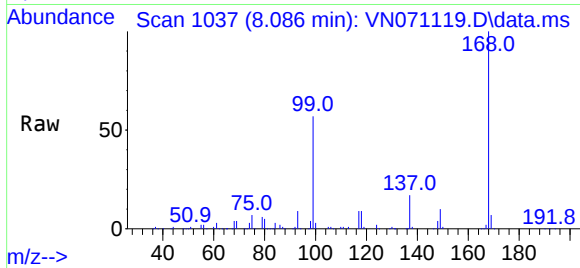




#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

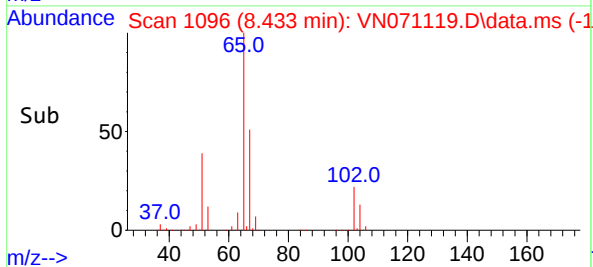
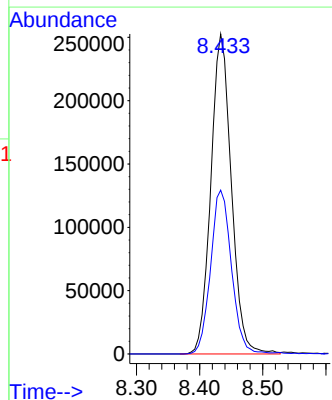
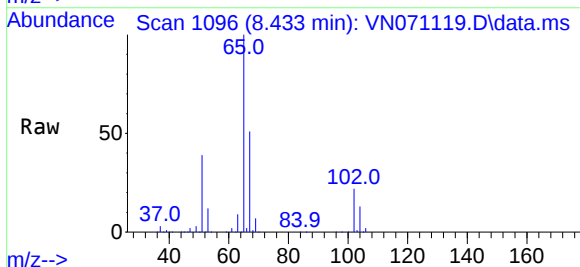
Instrument :
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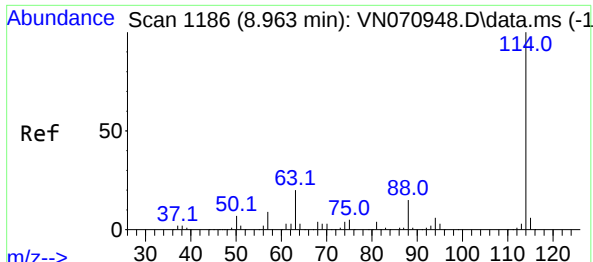
Tgt Ion: 56 Resp: 18713
Ion Ratio Lower Upper
56 100
69 178.7 27.1 40.7#
84 155.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.842 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion: 65 Resp: 570219
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0

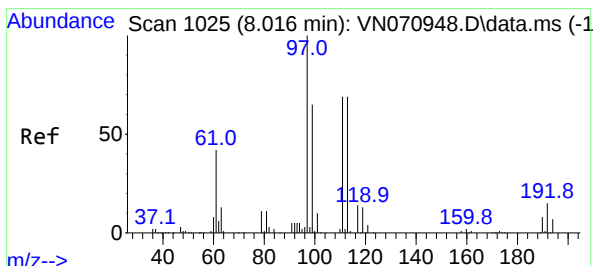
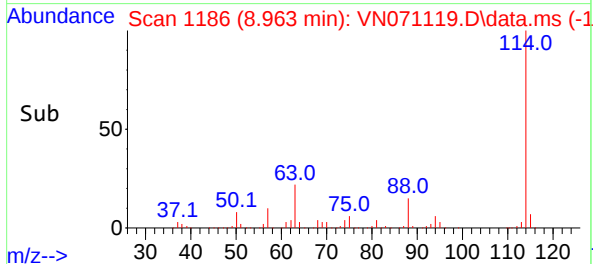
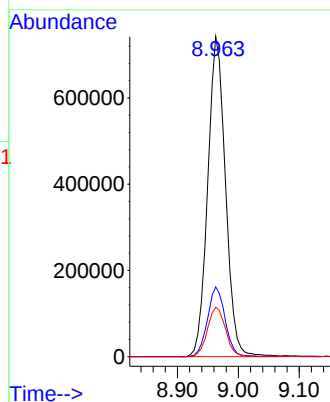
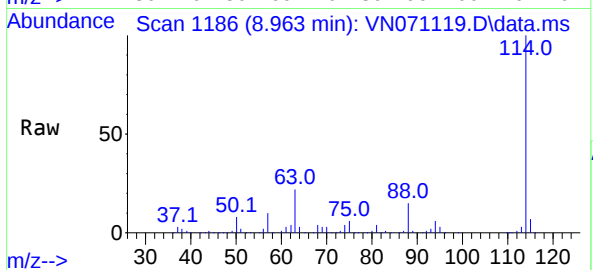




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

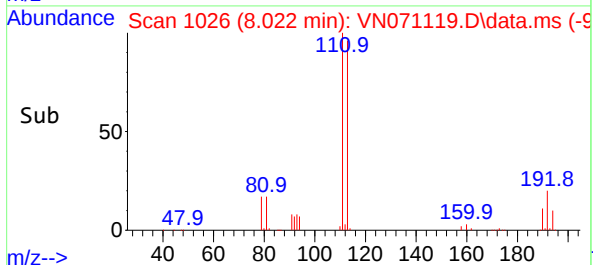
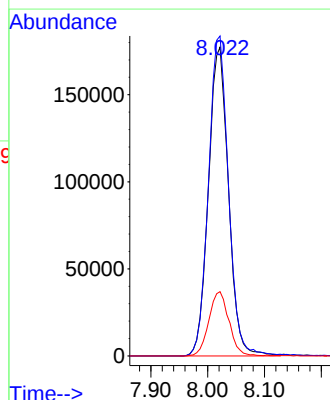
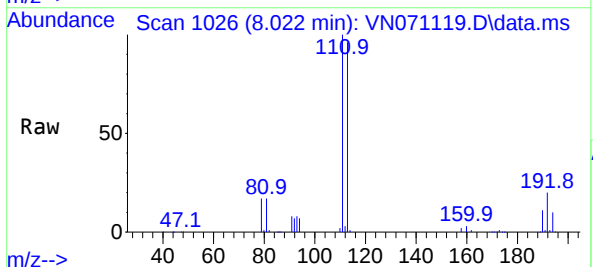
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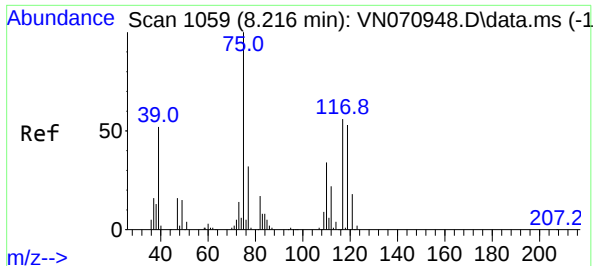
Tgt Ion:114 Resp: 1506785
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 15.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.475 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion:113 Resp: 434454
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 20.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

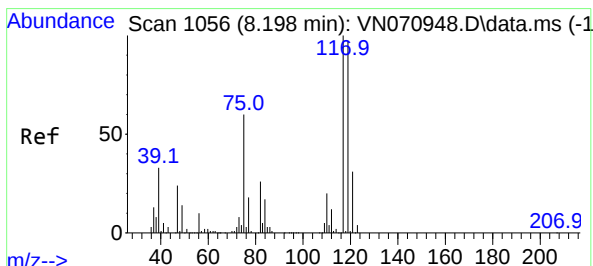
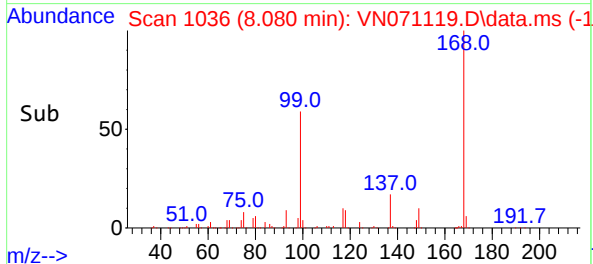
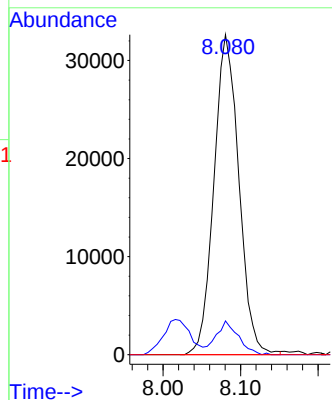
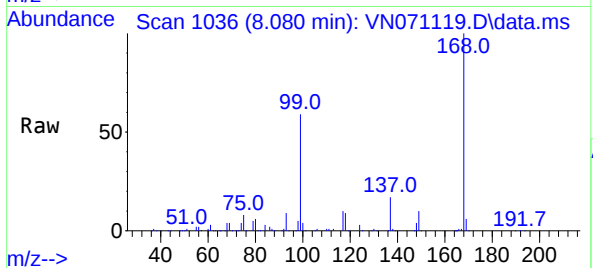
Instrument :

MSVOA_N

ClientSampleId :

TB

Tgt Ion:	75	Resp:	72857
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.425 ug/l

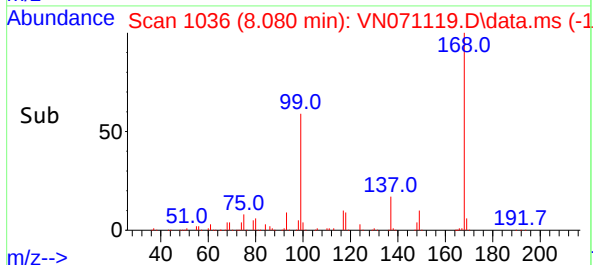
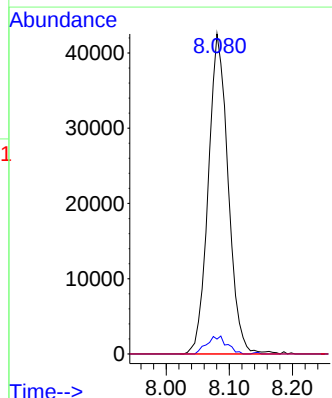
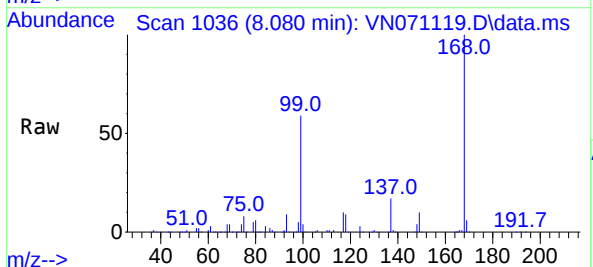
RT: 8.080 min Scan# 1036

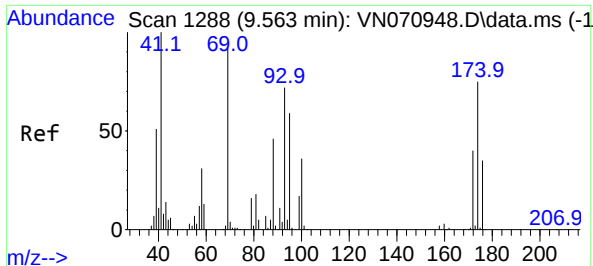
Delta R.T. -0.118 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

Tgt Ion:	117	Resp:	92955
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.1	114.1#
121	0.0	24.2	36.2#

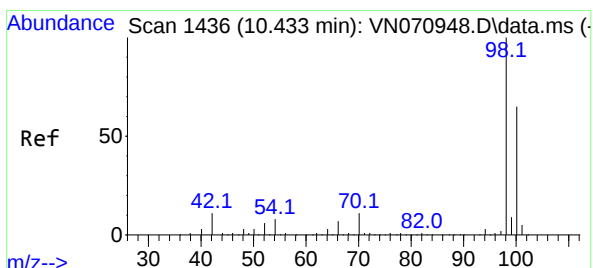
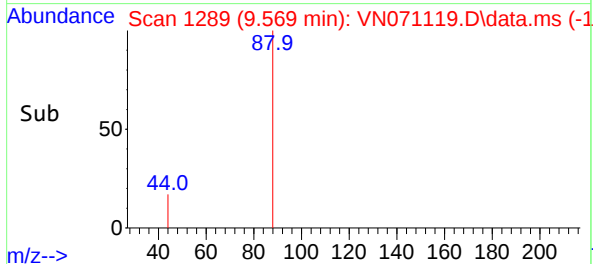
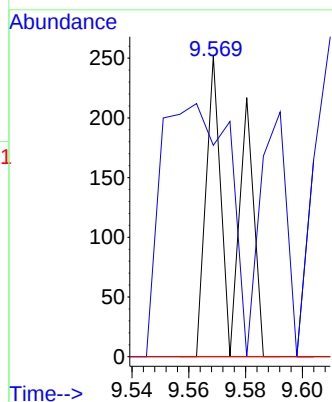
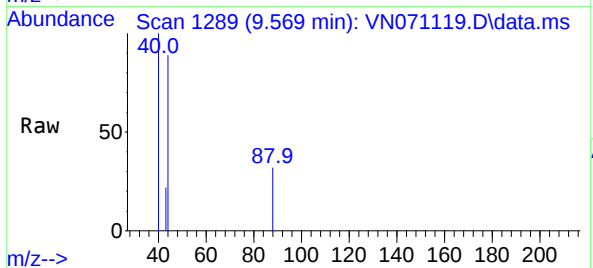




#49
1,4-Dioxane
Concen: 0.791 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

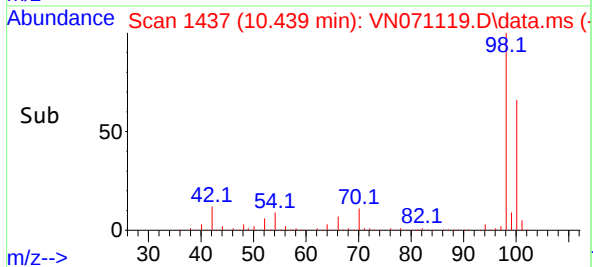
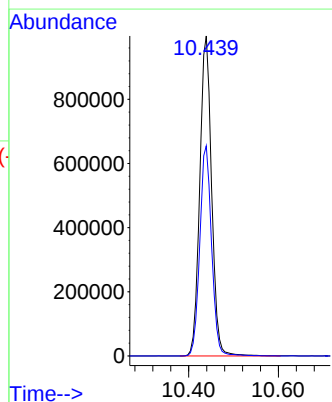
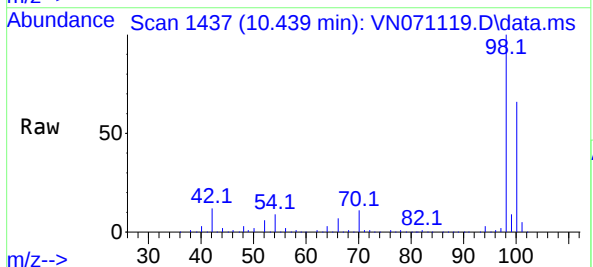
Instrument :
MSVOA_N
ClientSampleId :
TB

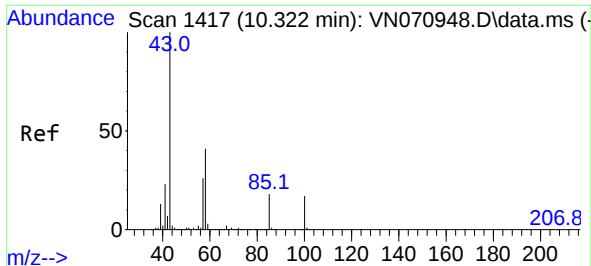
Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 211.5 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.633 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion: 98 Resp: 1822380
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.227 ug/l

RT: 10.333 min Scan# 1417

Delta R.T. 0.012 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

Instrument :

MSVOA_N

ClientSampleId :

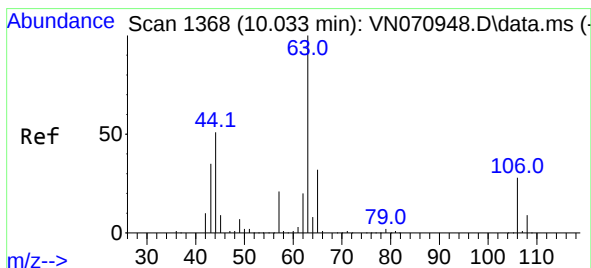
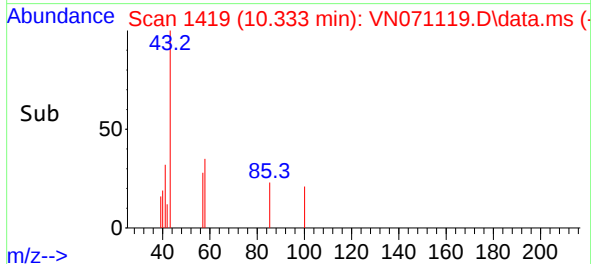
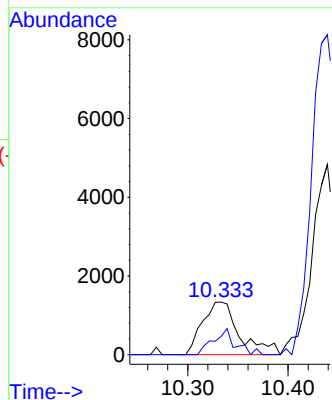
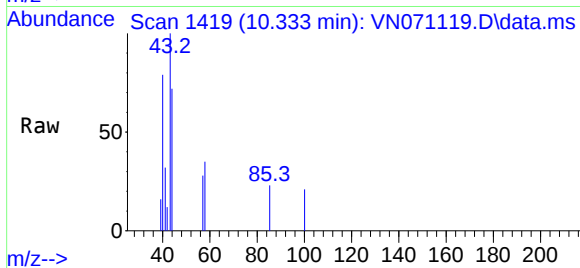
TB

Tgt Ion: 43 Resp: 3422

Ion Ratio Lower Upper

43 100

58 29.2 30.4 45.6#



#58

2-Chloroethyl Vinyl ether

Concen: 31.830 ug/l

RT: 10.069 min Scan# 1374

Delta R.T. 0.036 min

Lab File: VN071119.D

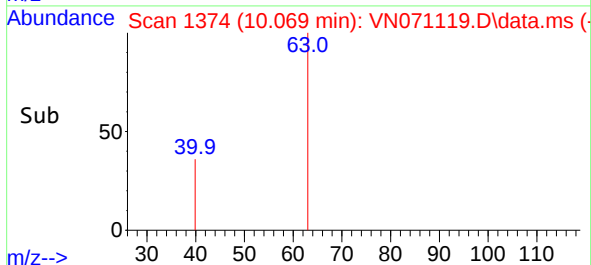
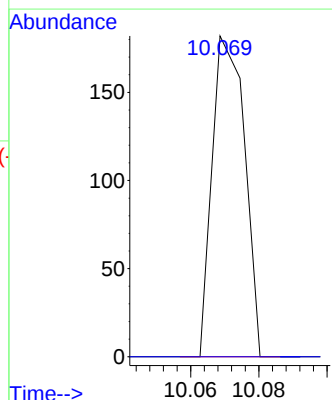
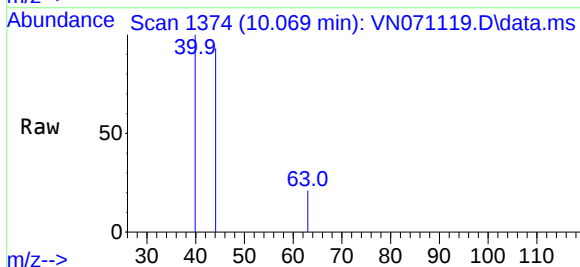
Acq: 01 Mar 2022 15:24

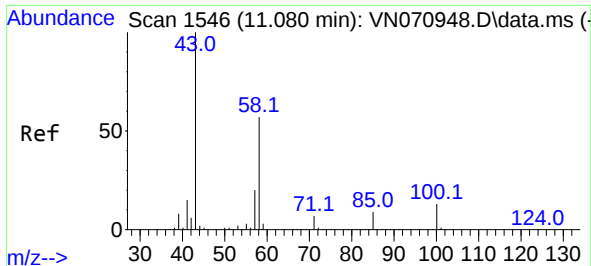
Tgt Ion: 63 Resp: 120

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#





#59

2-Hexanone

Concen: 0.572 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

Instrument :

MSVOA_N

ClientSampleId :

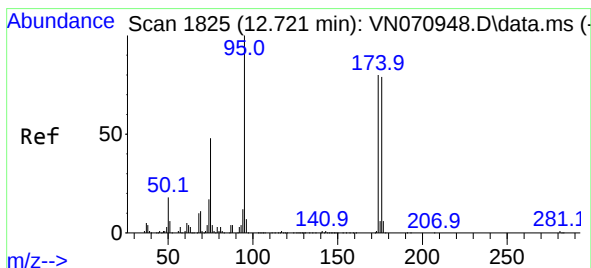
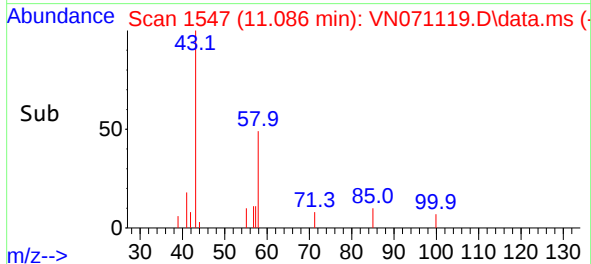
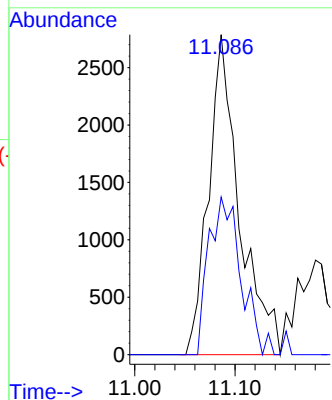
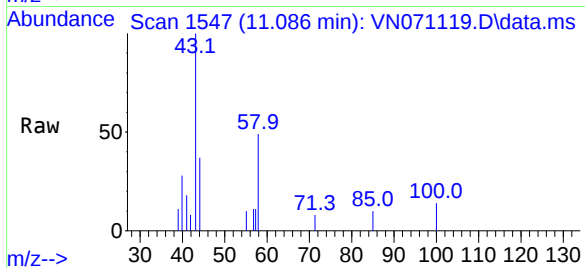
TB

Tgt Ion: 43 Resp: 5944

Ion Ratio Lower Upper

43 100

58 51.7 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 48.158 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.006 min

Lab File: VN071119.D

Acq: 01 Mar 2022 15:24

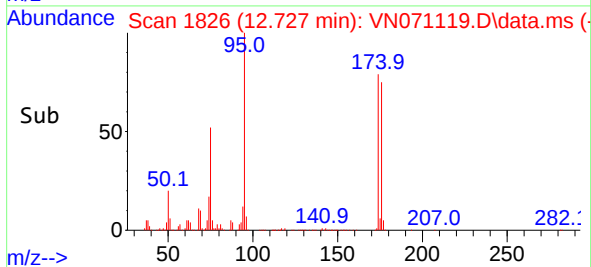
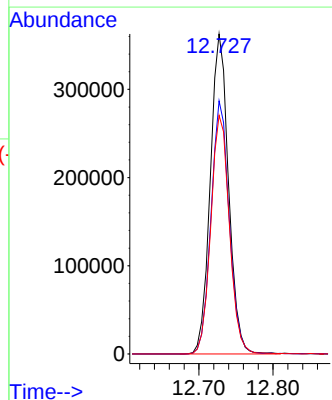
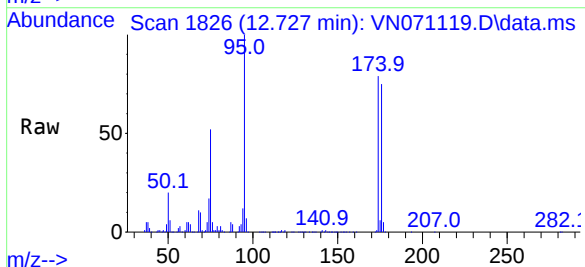
Tgt Ion: 95 Resp: 619558

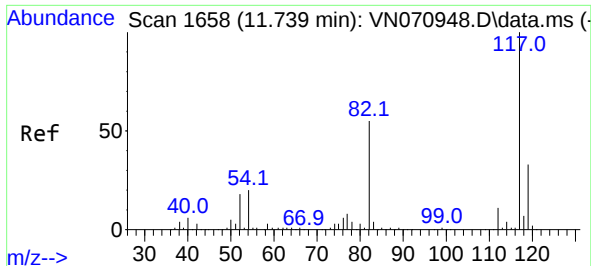
Ion Ratio Lower Upper

95 100

174 79.1 0.0 187.2

176 76.0 0.0 181.4

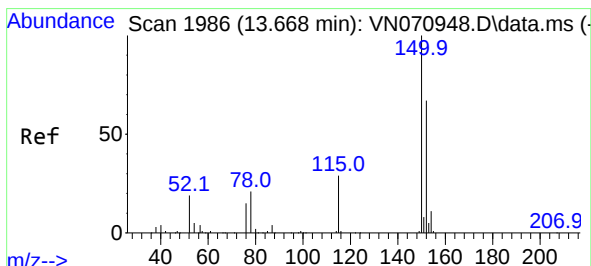
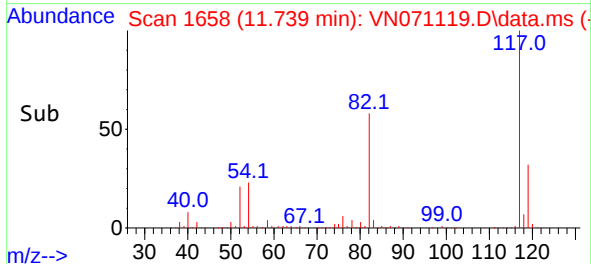
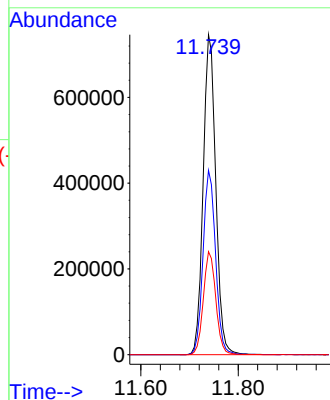
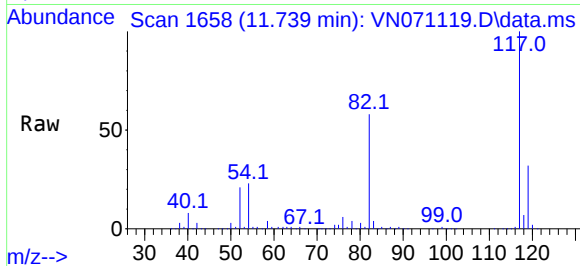




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

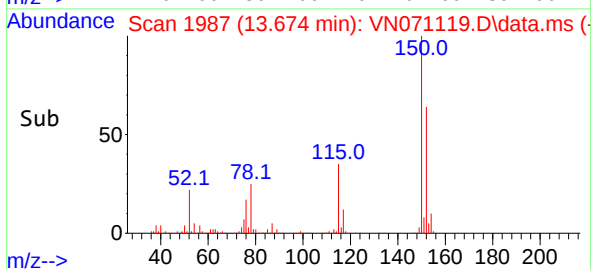
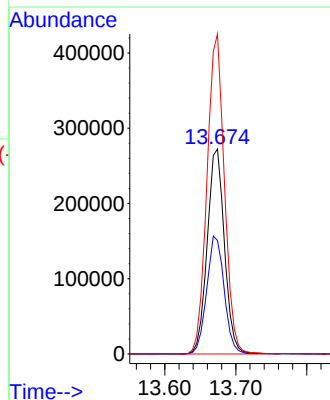
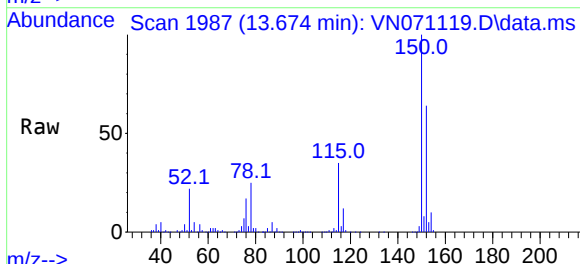
Instrument :
MSVOA_N
ClientSampleId :
TB

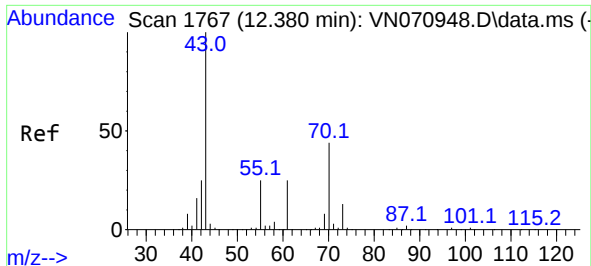
Tgt Ion:117 Resp: 1336631
Ion Ratio Lower Upper
117 100
82 57.6 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion:152 Resp: 461313
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.5
150 157.0 0.0 344.4

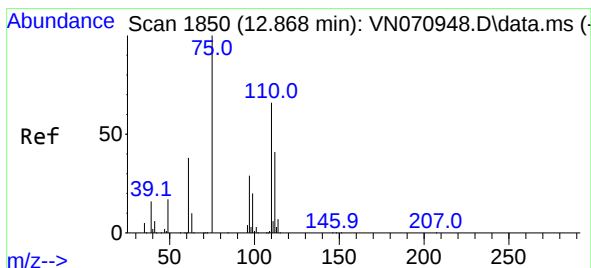
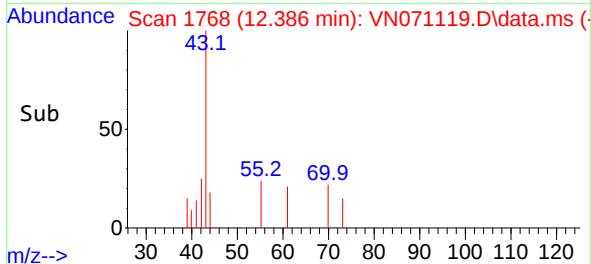
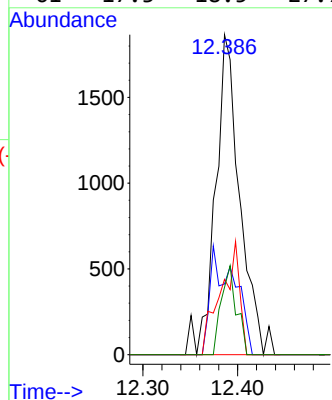
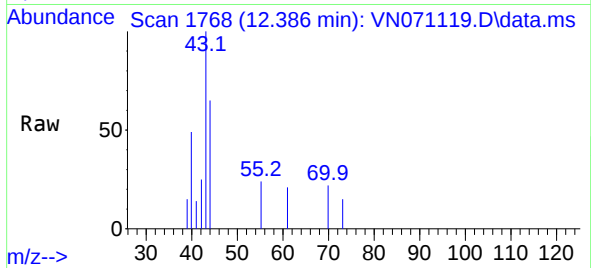




#74
N-amy1 acetate
Concen: 0.283 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

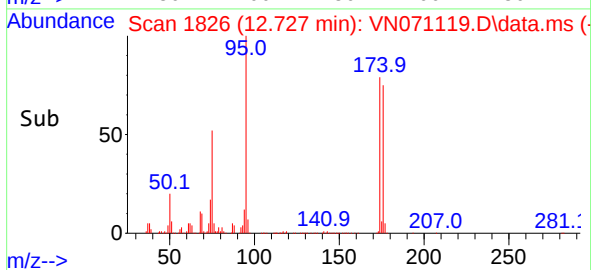
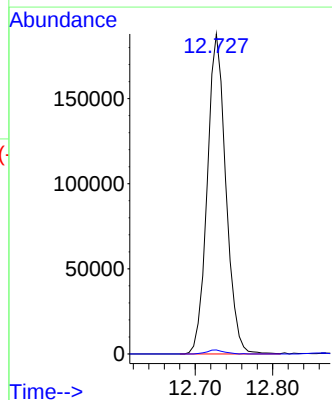
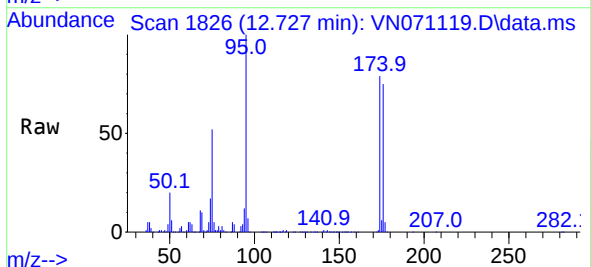
Instrument :
MSVOA_N
ClientSampleId :
TB

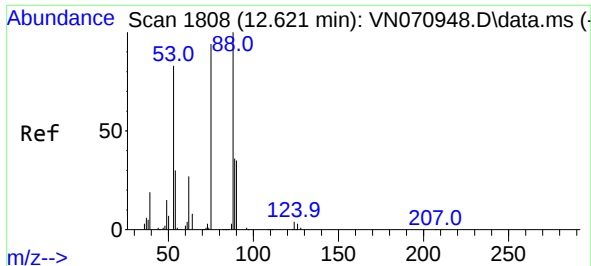
Tgt Ion:	43	Resp:	3356
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	27.3	19.3	28.9
61	17.3	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 28.836 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion:	75	Resp:	313209
Ion	Ratio	Lower	Upper
75	100		
77	1.2	82.6	247.8#

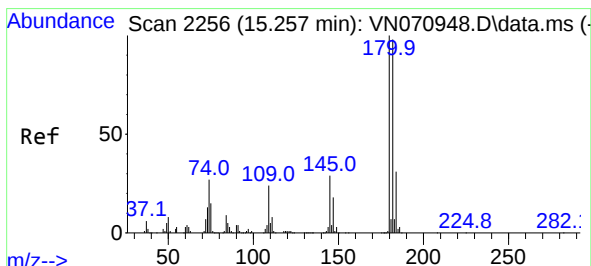
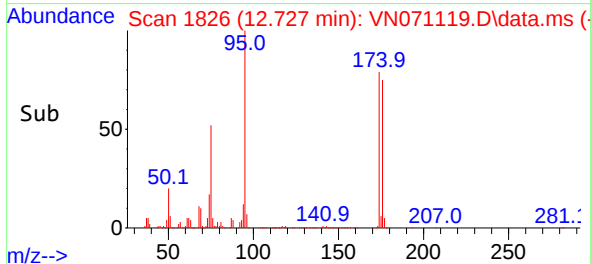
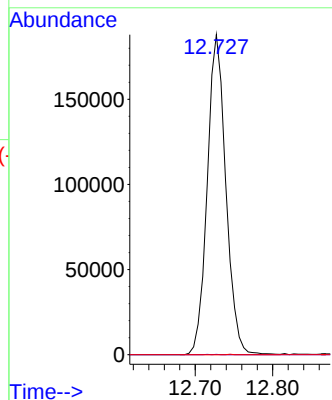
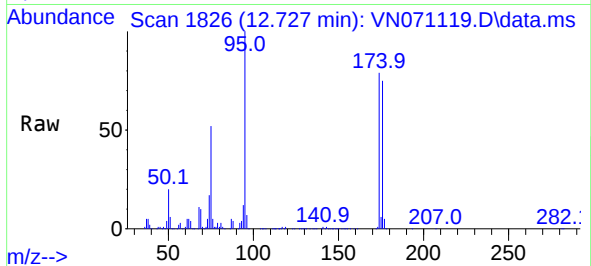




#81
trans-1,4-Dichloro-2-butene
Concen: 93.443 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

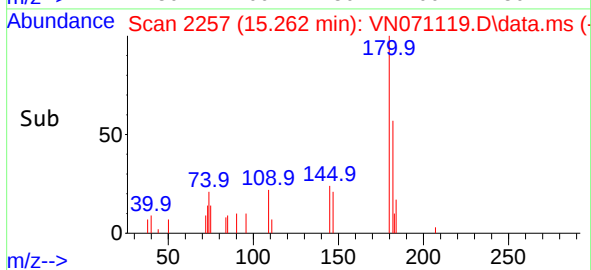
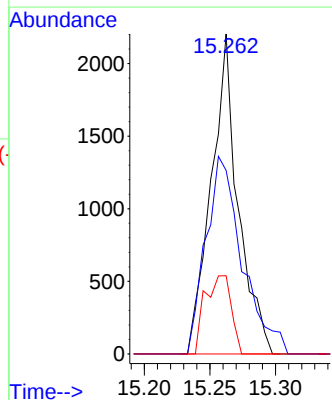
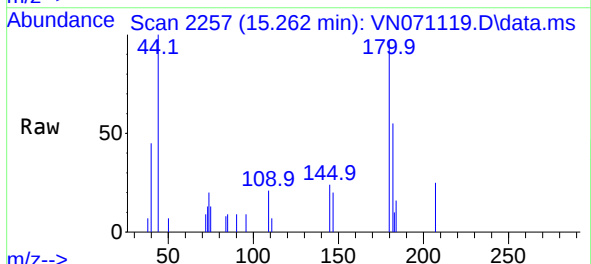
Instrument :
MSVOA_N
ClientSampleId :
TB

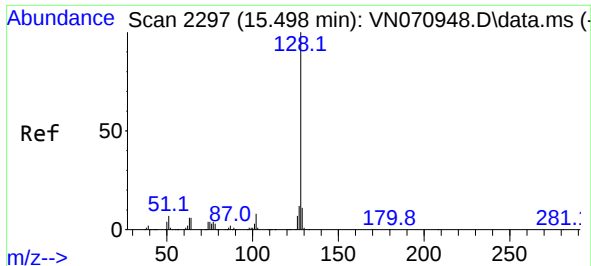
Tgt Ion: 75 Resp: 313209
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.356 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion: 180 Resp: 3160
Ion Ratio Lower Upper
180 100
182 83.1 48.3 144.9
145 23.7 14.5 43.5

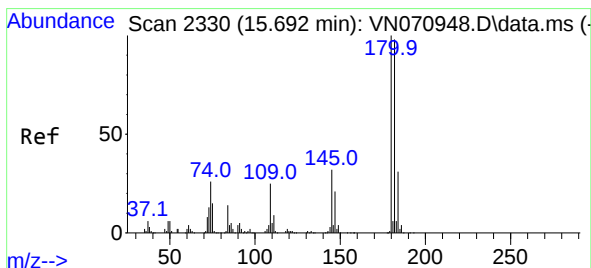
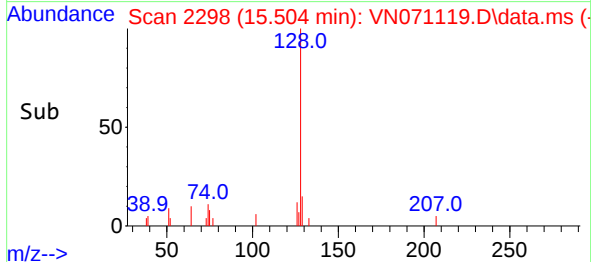
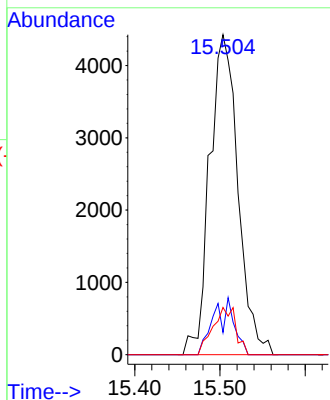
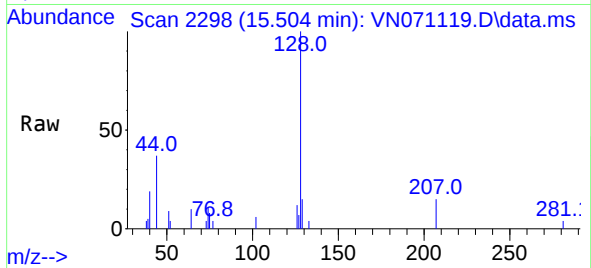




#95
Naphthalene
Concen: 5.435 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:128 Resp: 10210
Ion Ratio Lower Upper
128 100
127 7.1 10.5 15.7#
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.913 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071119.D
Acq: 01 Mar 2022 15:24

Tgt Ion:180 Resp: 3276
Ion Ratio Lower Upper
180 100
182 88.8 47.4 142.2
145 31.9 15.0 45.1

