

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071889.D
 Acq On : 06 Apr 2022 19:08
 Operator : JC\MD
 Sample : N2272-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Apr 07 04:30:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

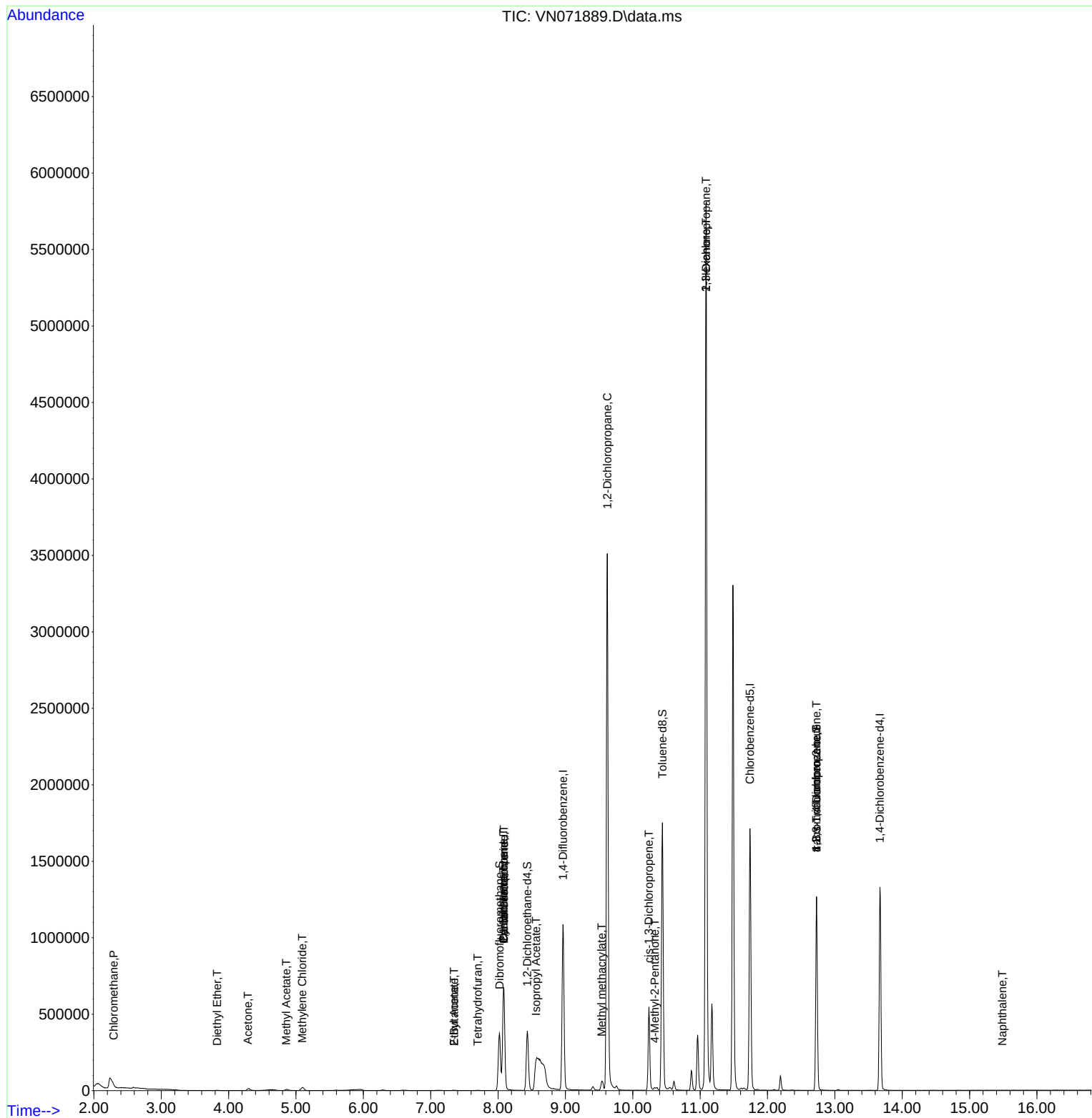
Internal Standards						
1) Pentafluorobenzene	8.087	168	567943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	991291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1056861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	405407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	319622	49.296	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.600%		
35) Dibromofluoromethane	8.022	113	281208	48.208	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.420%		
50) Toluene-d8	10.439	98	1268453	53.157	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.320%		
62) 4-Bromofluorobenzene	12.727	95	443502	57.468	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.940%		
Target Compounds						Qvalue
3) Chloromethane	2.293	50	1725	0.301	ug/l #	72
8) Diethyl Ether	3.828	74	1015	0.300	ug/l #	50
16) Acetone	4.287	43	22103	7.977	ug/l	92
18) Methyl Acetate	4.857	43	15817	0.816	ug/l	96
20) Methylene Chloride	5.093	84	17998	3.082	ug/l	90
25) 2-Butanone	7.345	43	5920	1.482	ug/l	94
29) Tetrahydrofuran	7.698	42	1139	0.440	ug/l #	66
31) Cyclohexane	8.081	56	9524	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	38658	4.746	ug/l #	48
37) Ethyl Acetate	7.345	43	5920	0.664	ug/l #	67
38) Carbon Tetrachloride	8.087	117	50995	6.388	ug/l #	16
43) Isopropyl Acetate	8.563	43	684614	46.165	ug/l #	58
45) 1,2-Dichloropropane	9.622	63	4796	0.746	ug/l #	44
48) Methyl methacrylate	9.539	41	16490	2.680	ug/l #	10
49) 1,4-Dioxane	9.622	88	354	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	8177	0.959	ug/l #	75
54) cis-1,3-Dichloropropene	10.239	75	107459	10.801	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	67441	6.025	ug/l #	42
59) 2-Hexanone	11.086	43	817610	136.201	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	212797	22.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	212797	70.217	ug/l #	10
95) Naphthalene	15.486	128	60	3.806	ug/l #	69

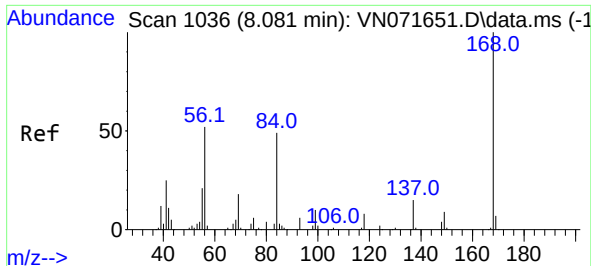
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

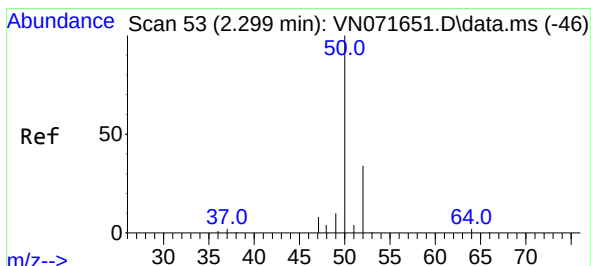
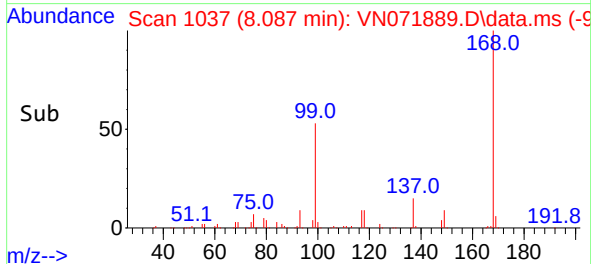
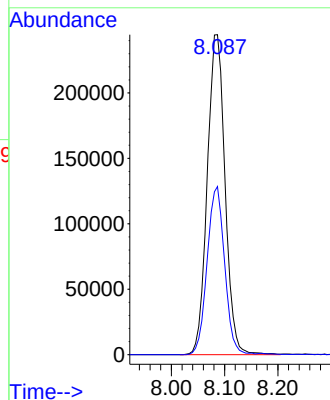
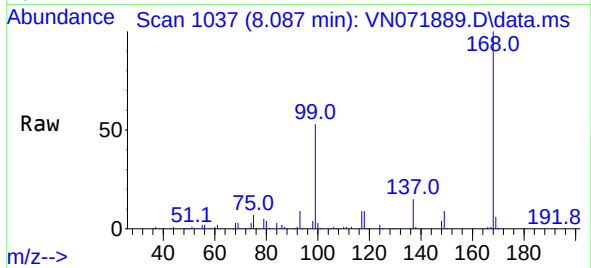




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

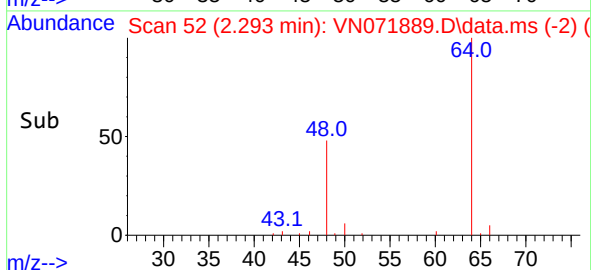
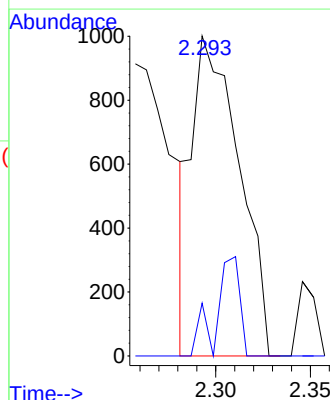
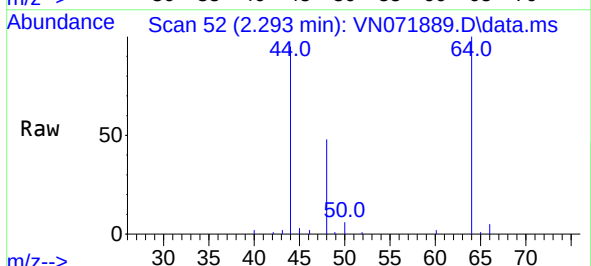
Instrument :
MSVOA_N
ClientSampleId :
TP-1

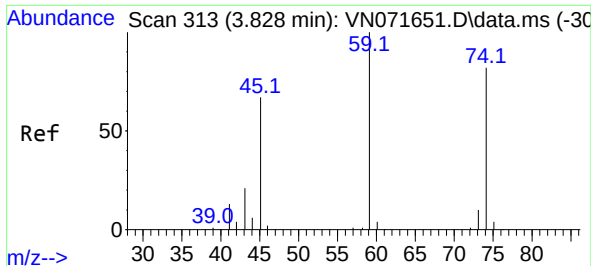
Tgt Ion:168 Resp: 567943
Ion Ratio Lower Upper
168 100
99 52.6 42.3 63.5



#3
Chloromethane
Concen: 0.301 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 50 Resp: 1725
Ion Ratio Lower Upper
50 100
52 16.5 25.7 38.5#

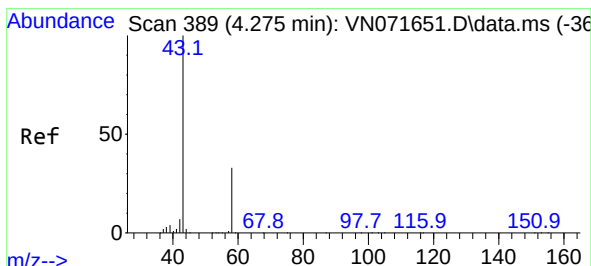
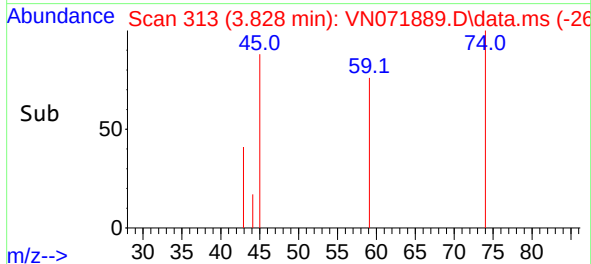
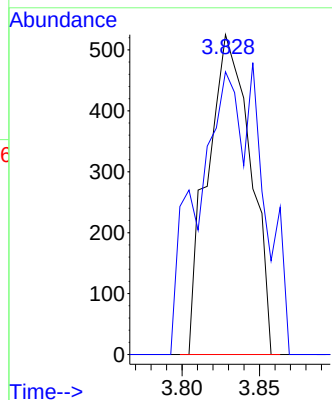
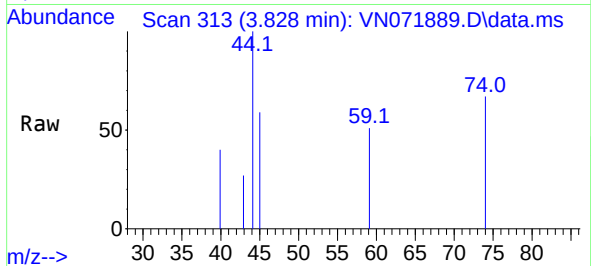




#8
Diethyl Ether
Concen: 0.300 ug/l
RT: 3.828 min Scan# 313
Delta R.T. 0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

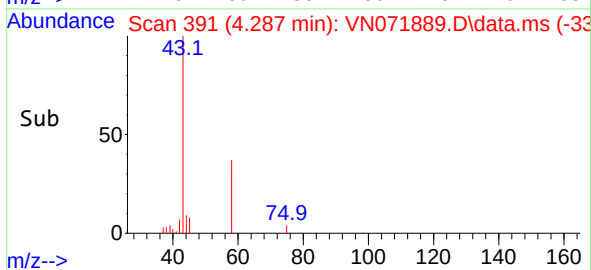
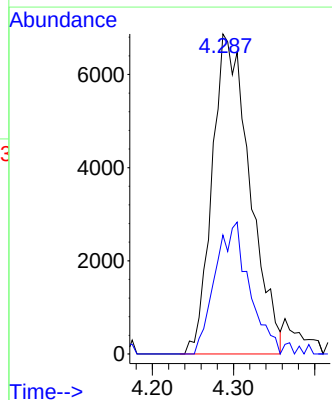
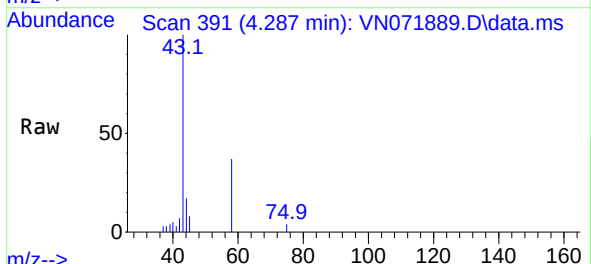
Instrument :
MSVOA_N
ClientSampleId :
TP-1

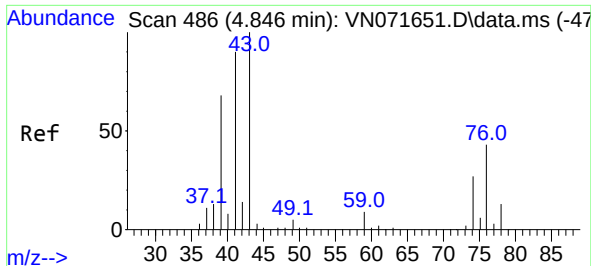
Tgt Ion: 74 Resp: 1015
Ion Ratio Lower Upper
74 100
45 131.3 42.9 128.5#



#16
Acetone
Concen: 7.977 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 43 Resp: 22103
Ion Ratio Lower Upper
43 100
58 37.1 26.0 39.0

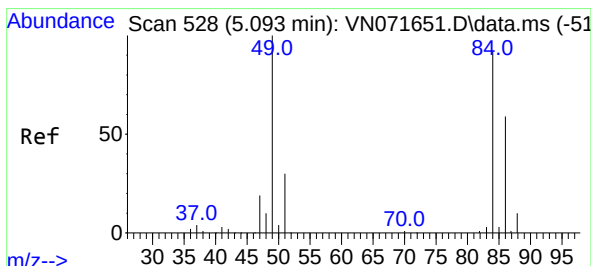
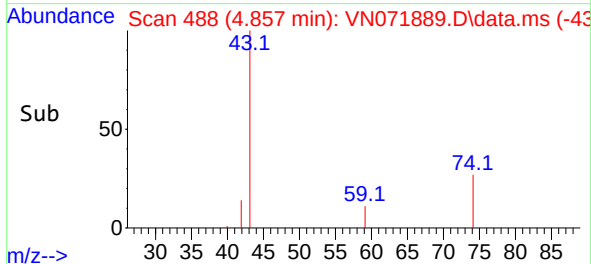
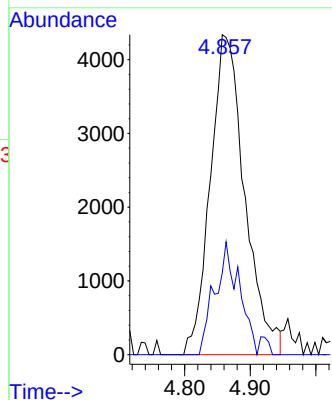
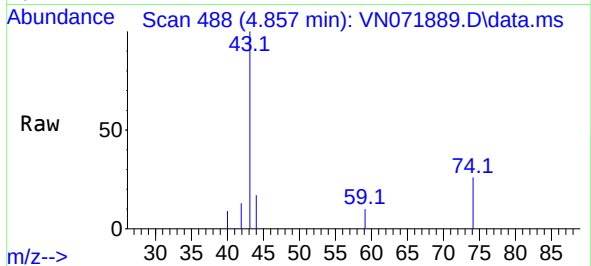




#18
Methyl Acetate
Concen: 0.816 ug/l
RT: 4.857 min Scan# 486
Delta R.T. 0.011 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

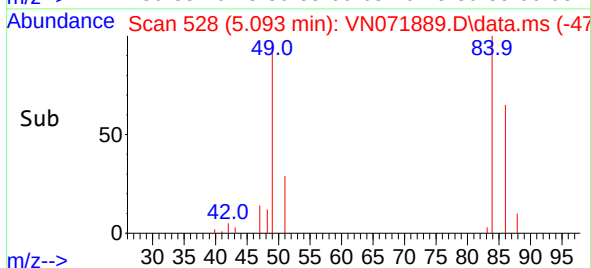
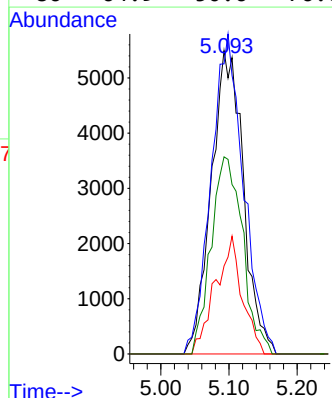
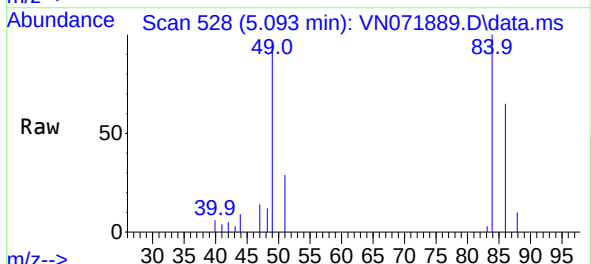
Instrument :
MSVOA_N
ClientSampleId :
TP-1

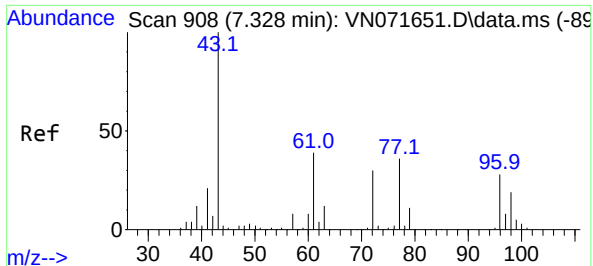
Tgt Ion: 43 Resp: 15817
Ion Ratio Lower Upper
43 100
74 25.1 21.6 32.4



#20
Methylene Chloride
Concen: 3.082 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 84 Resp: 17998
Ion Ratio Lower Upper
84 100
49 95.6 88.3 132.5
51 29.0 28.2 42.2
86 64.9 50.6 76.0





#25

2-Butanone

Concen: 1.482 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

Instrument :

MSVOA_N

ClientSampleId :

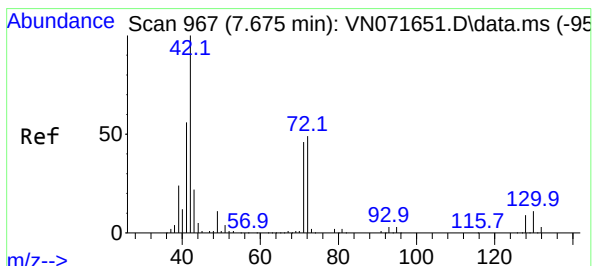
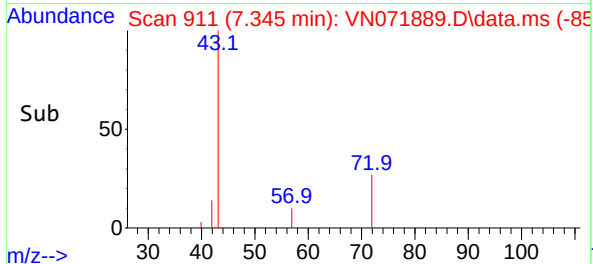
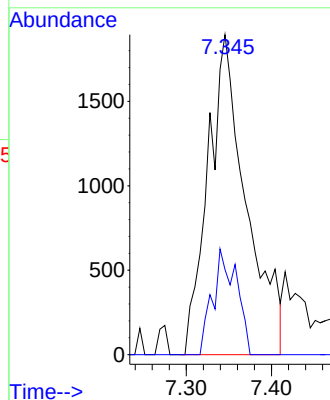
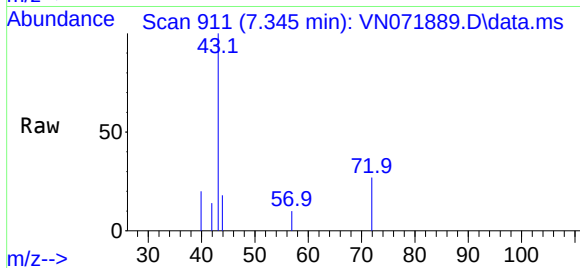
TP-1

Tgt Ion: 43 Resp: 5920

Ion Ratio Lower Upper

43 100

72 26.6 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

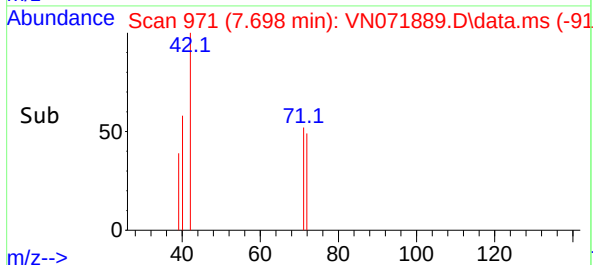
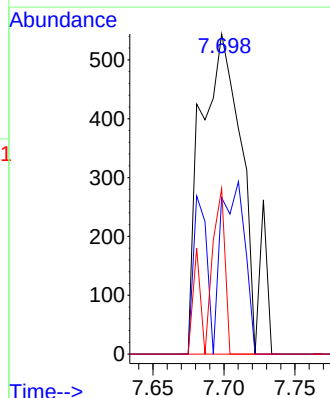
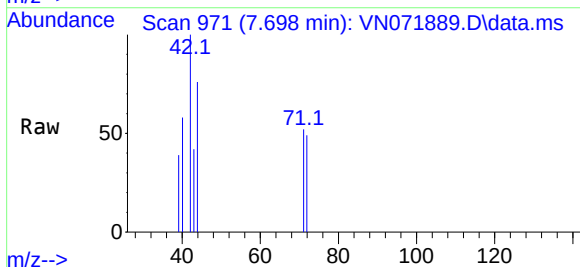
Tgt Ion: 42 Resp: 1139

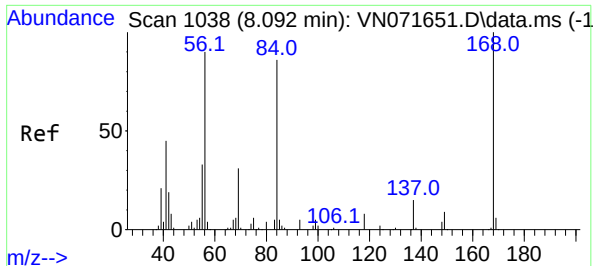
Ion Ratio Lower Upper

42 100

72 29.9 39.7 59.5#

71 20.3 36.6 55.0#





#31

Cyclohexane

Concen: 1.080 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

Instrument :

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ClientSampleId :

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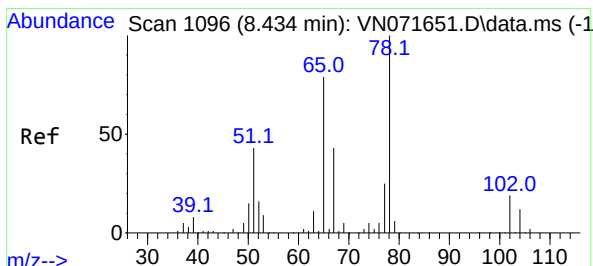
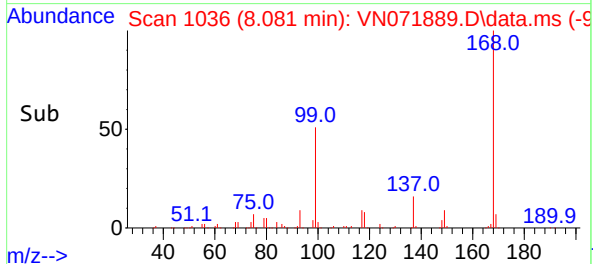
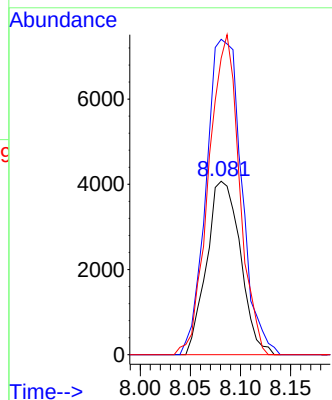
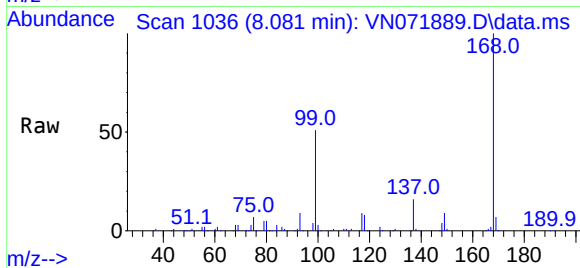
Tgt Ion: 56 Resp: 9524

Ion Ratio Lower Upper

56 100

69 181.9 27.8 41.8#

84 171.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 49.296 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071889.D

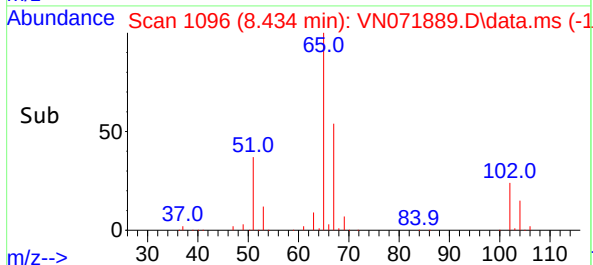
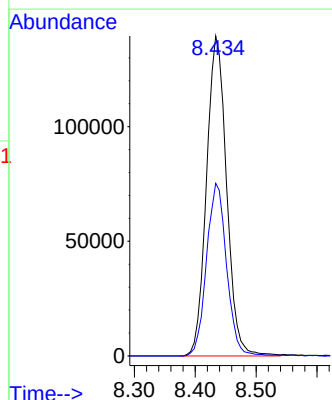
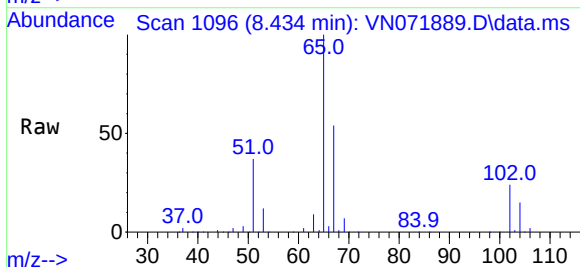
Acq: 06 Apr 2022 19:08

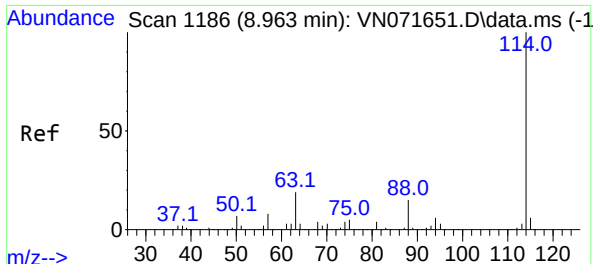
Tgt Ion: 65 Resp: 319622

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.8

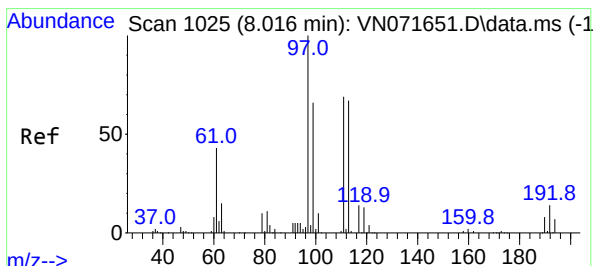
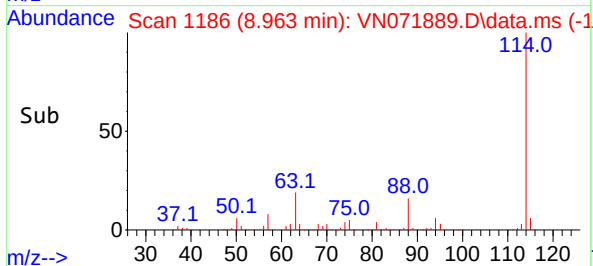
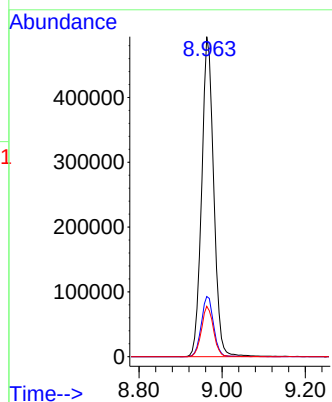
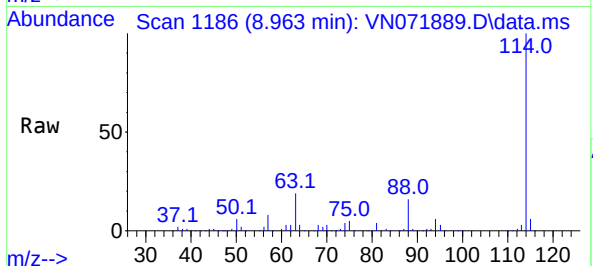




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

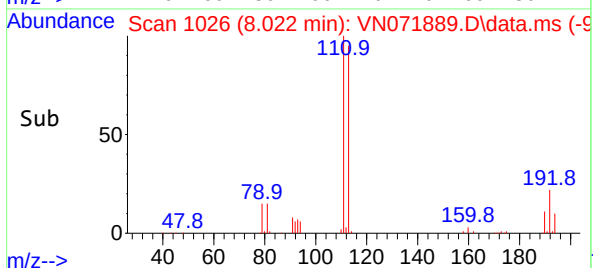
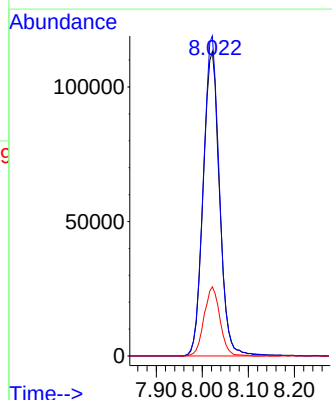
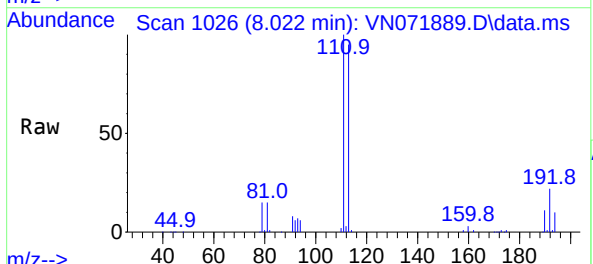
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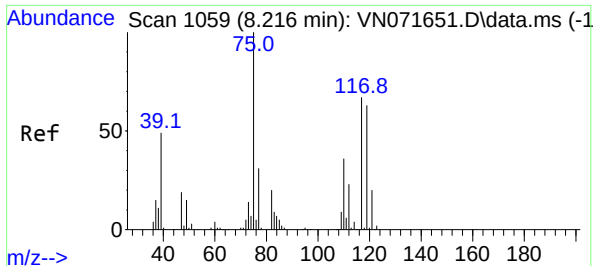
Tgt Ion:114 Resp: 991291
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.208 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion:113 Resp: 281208
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 22.0 17.0 25.6

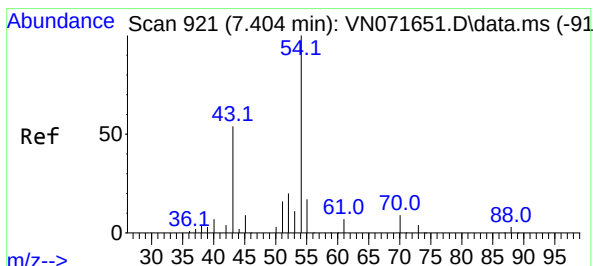
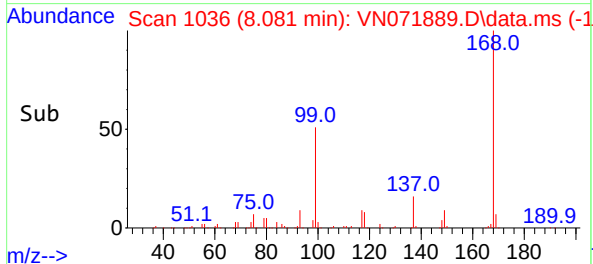
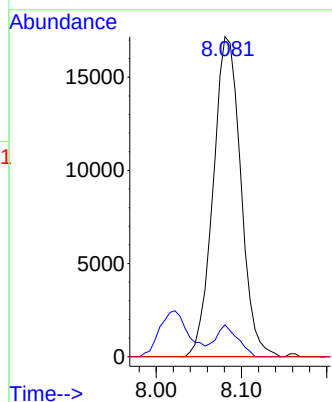
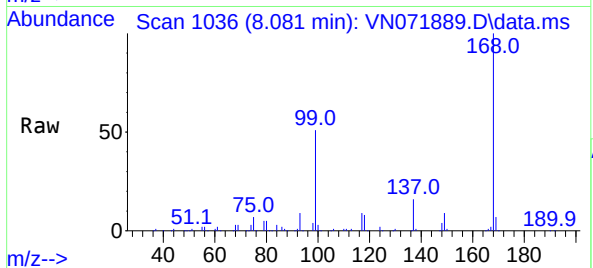




#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

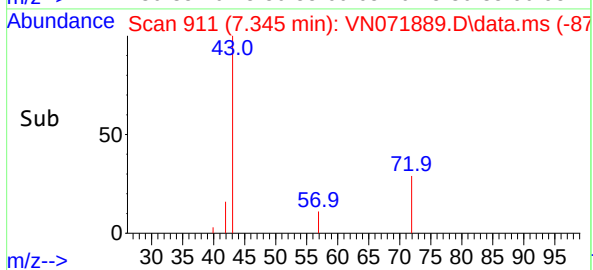
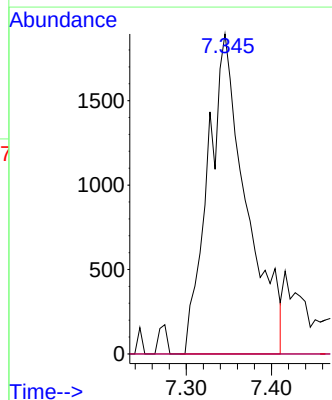
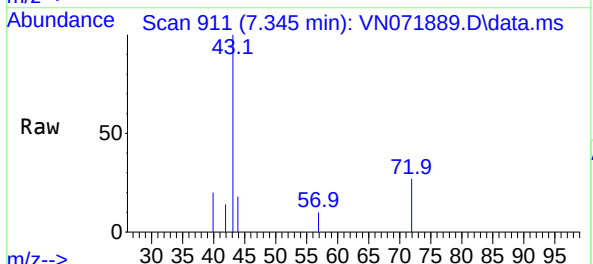
Instrument :
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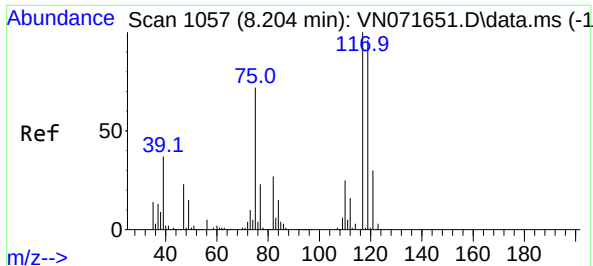
Tgt Ion: 75 Resp: 38658
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.664 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 43 Resp: 5920
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

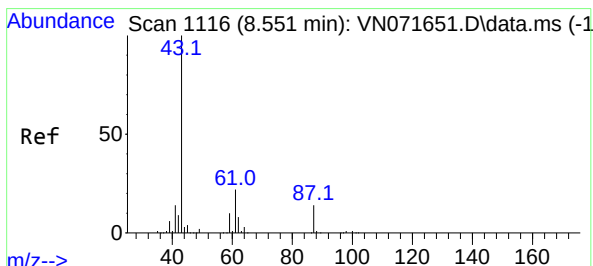
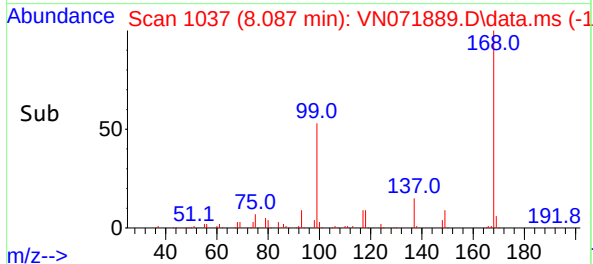
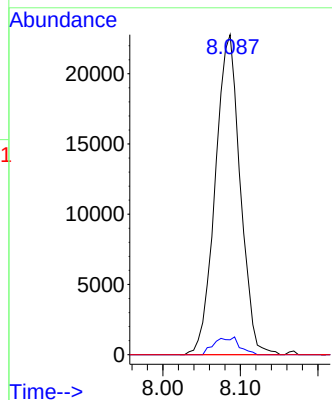
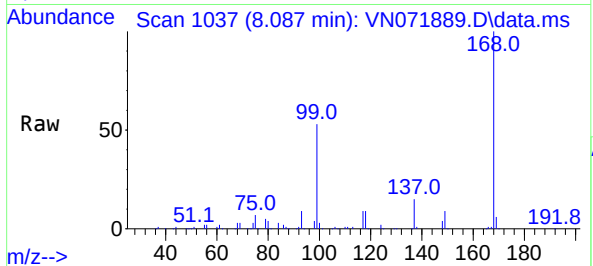




#38
Carbon Tetrachloride
Concen: 6.388 ug/l
RT: 8.087 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

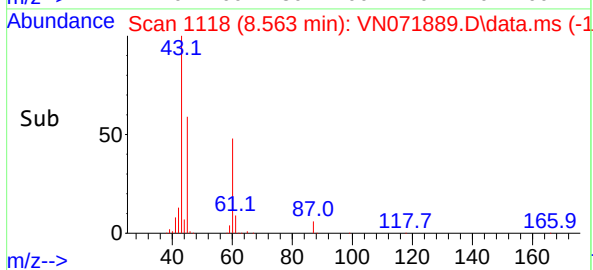
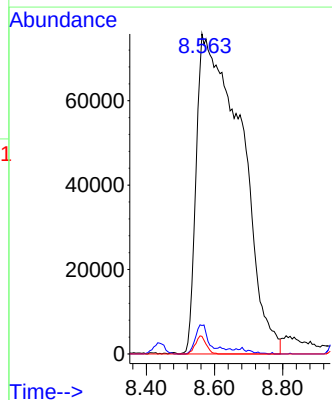
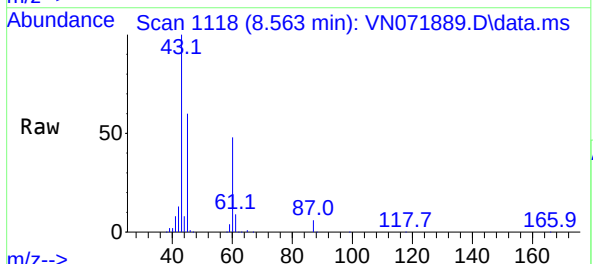
Instrument :
MSVOA_N
ClientSampleId :
TP-1

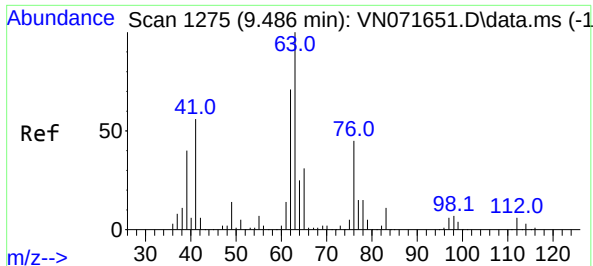
Tgt Ion:117 Resp: 50995
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 46.165 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.012 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 43 Resp: 684614
Ion Ratio Lower Upper
43 100
61 2.6 21.9 32.9#
87 1.4 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.746 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

Instrument :

MSVOA_N

ClientSampleId :

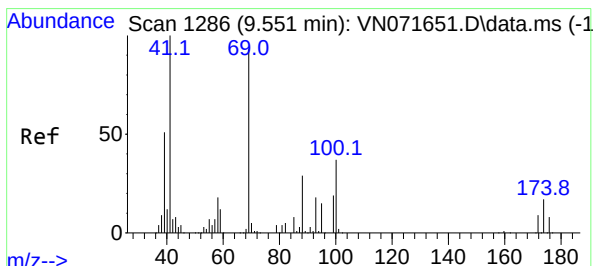
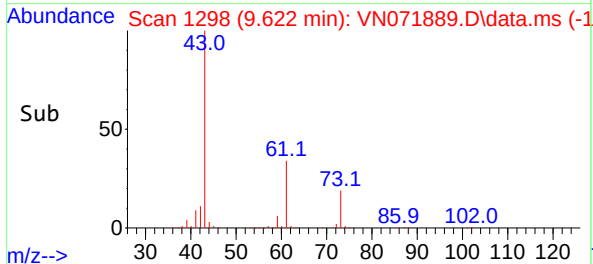
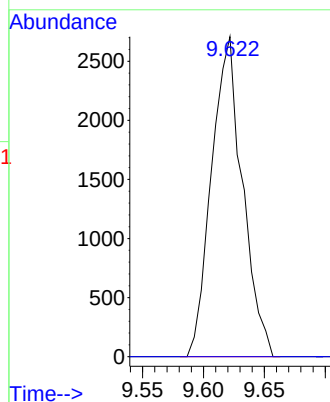
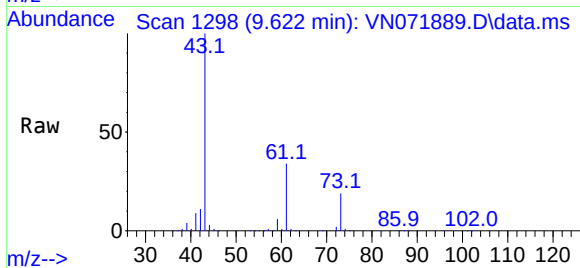
TP-1

Tgt Ion: 63 Resp: 4796

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.680 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

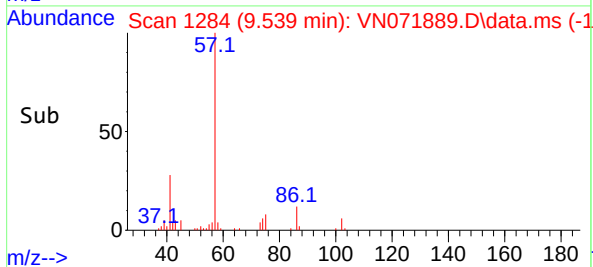
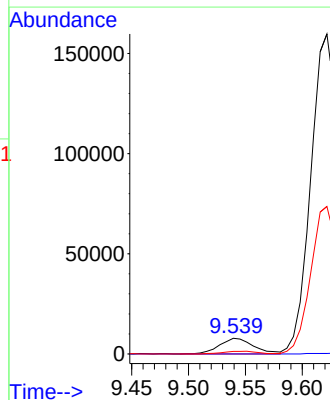
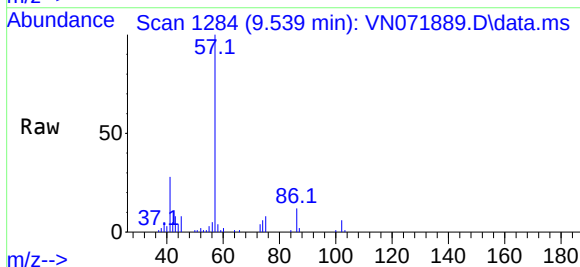
Tgt Ion: 41 Resp: 16490

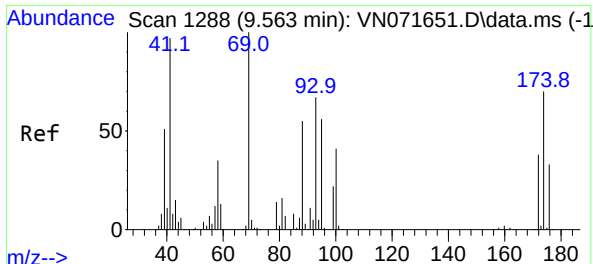
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#

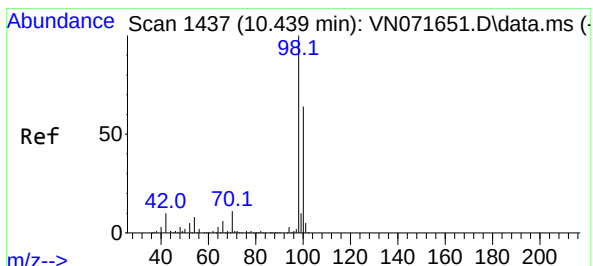
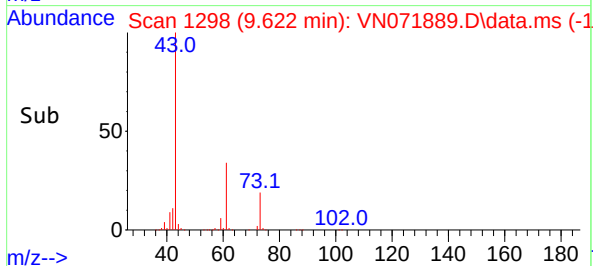
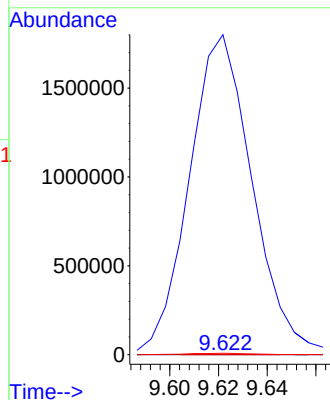
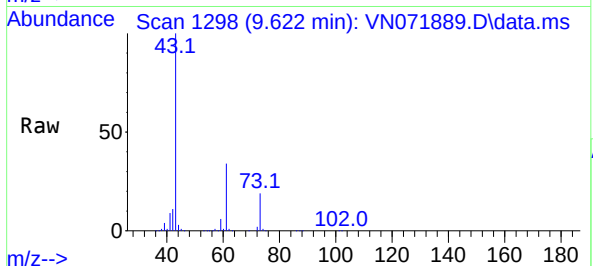




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

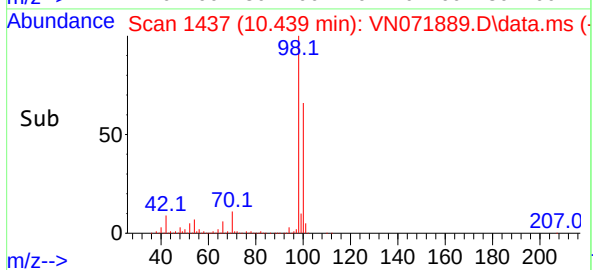
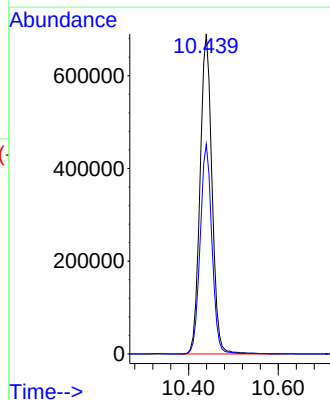
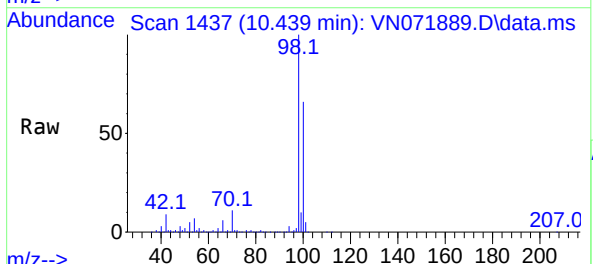
Instrument :
MSVOA_N
ClientSampleId :
TP-1

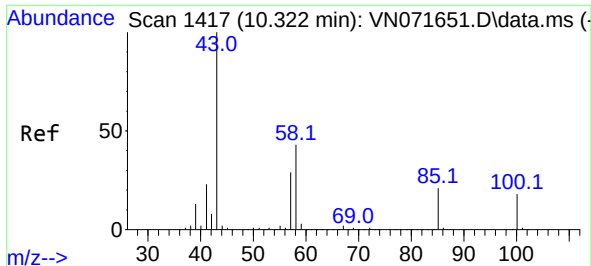
Tgt Ion: 88 Resp: 354
Ion Ratio Lower Upper
88 100
43 935105.9 20.2 30.4#
58 4530.5 54.2 81.4#



#50
Toluene-d8
Concen: 53.157 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 98 Resp: 1268453
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.959 ug/l

RT: 10.328 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

Instrument :

MSVOA_N

ClientSampleId :

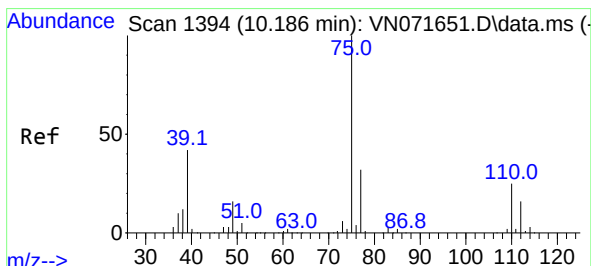
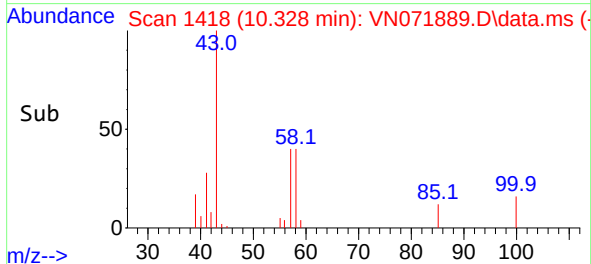
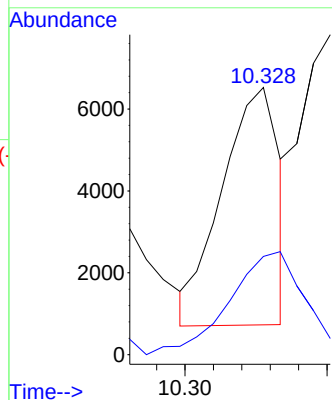
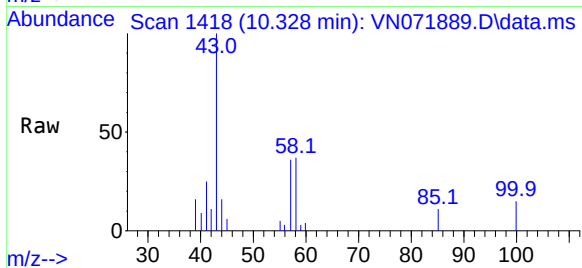
TP-1

Tgt Ion: 43 Resp: 8177

Ion Ratio Lower Upper

43 100

58 58.4 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 10.801 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

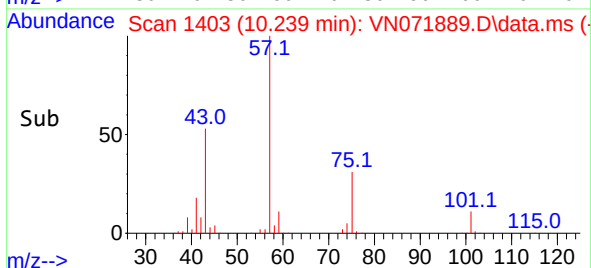
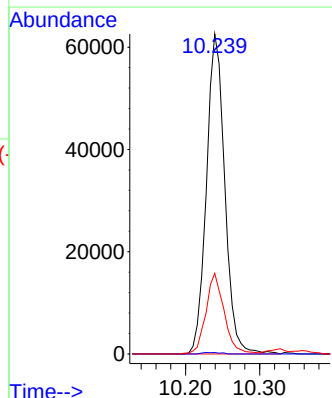
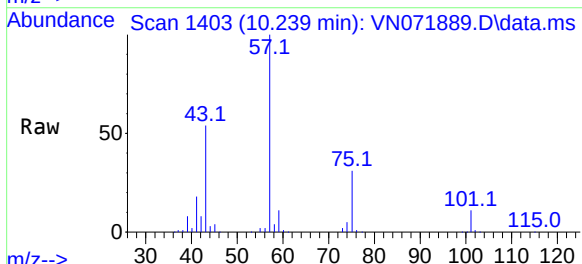
Tgt Ion: 75 Resp: 107459

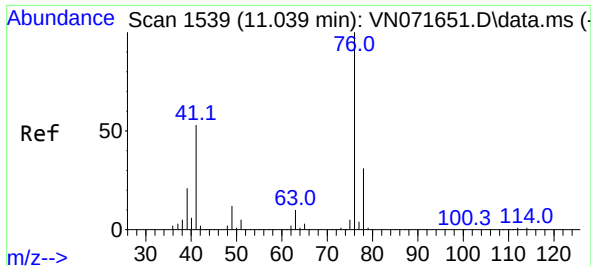
Ion Ratio Lower Upper

75 100

77 0.4 25.2 37.8#

39 25.2 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 6.025 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071889.D

Acq: 06 Apr 2022 19:08

Instrument :

MSVOA_N

ClientSampleId :

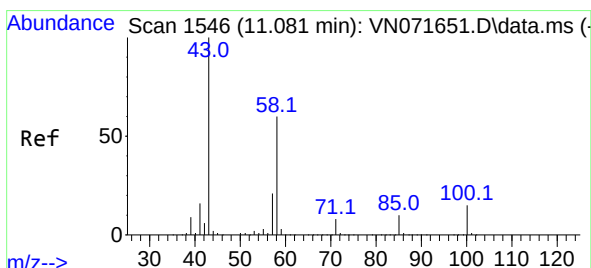
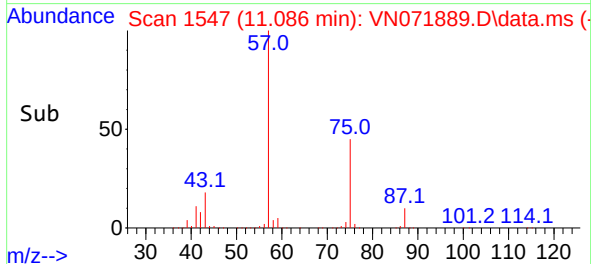
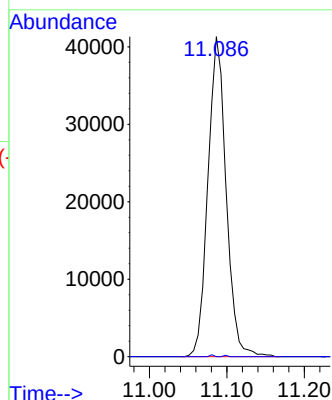
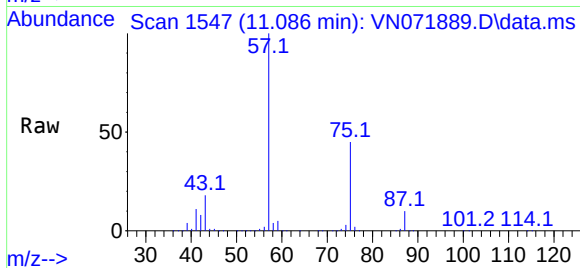
TP-1

Tgt Ion: 76 Resp: 67441

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 136.201 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071889.D

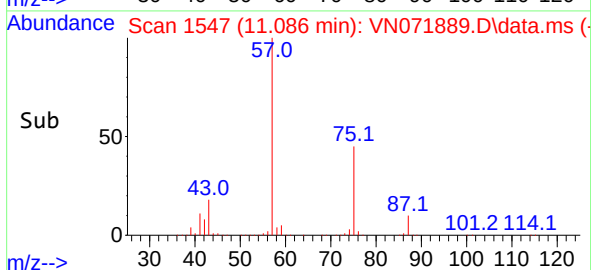
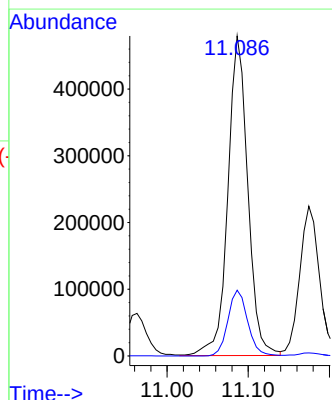
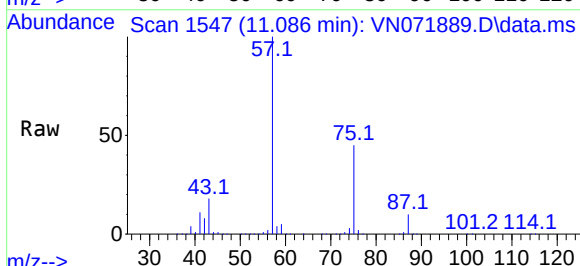
Acq: 06 Apr 2022 19:08

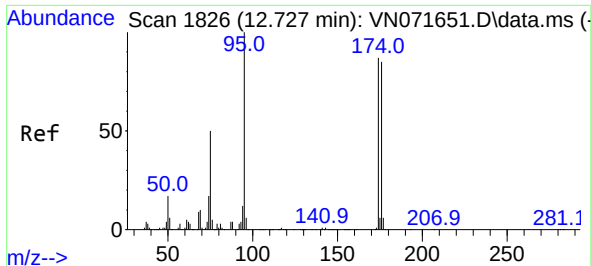
Tgt Ion: 43 Resp: 817610

Ion Ratio Lower Upper

43 100

58 20.4 29.7 89.1#

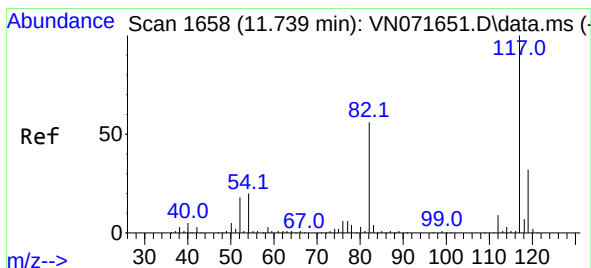
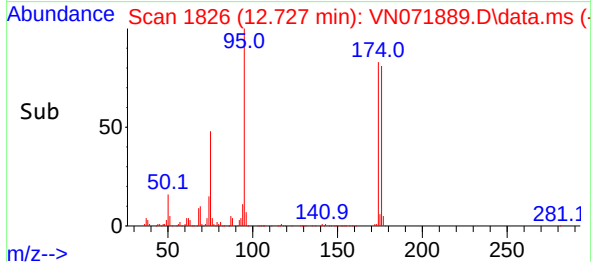
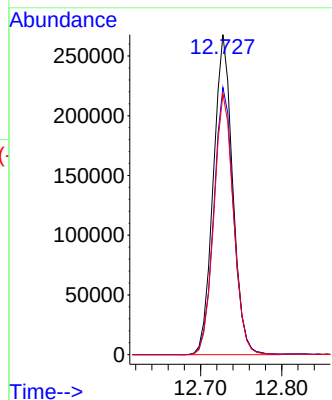
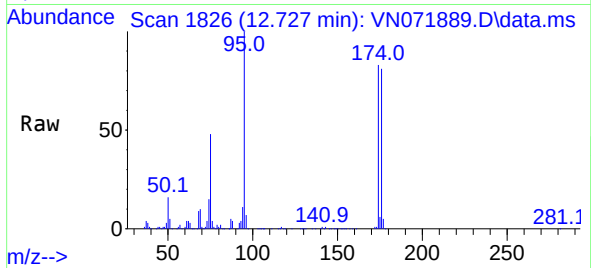




#62
4-Bromofluorobenzene
Concen: 57.468 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

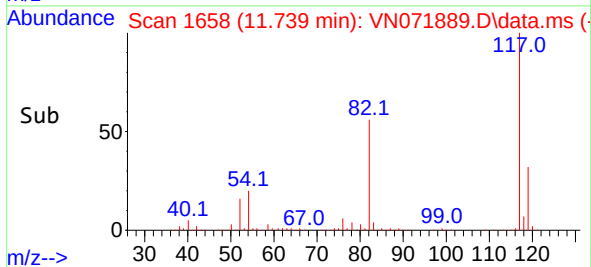
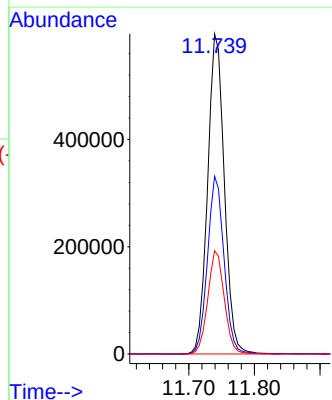
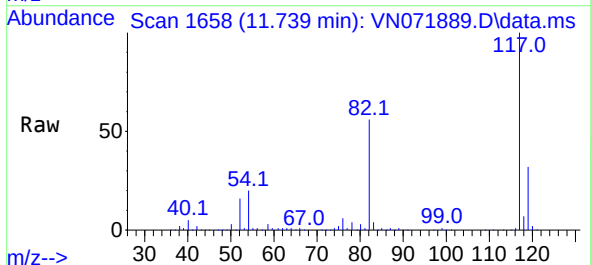
Instrument :
MSVOA_N
ClientSampleId :
TP-1

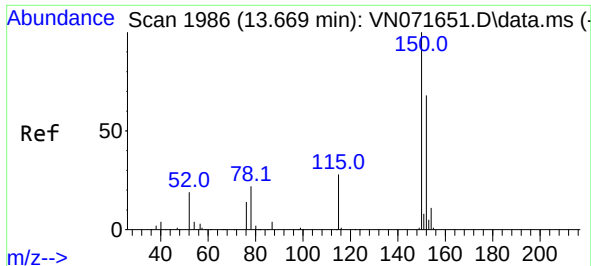
Tgt Ion: 95 Resp: 443502
Ion Ratio Lower Upper
95 100
174 85.3 0.0 167.6
176 82.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 117 Resp: 1056861
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.2 25.4 38.0

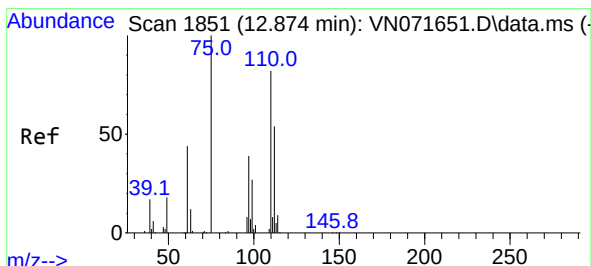
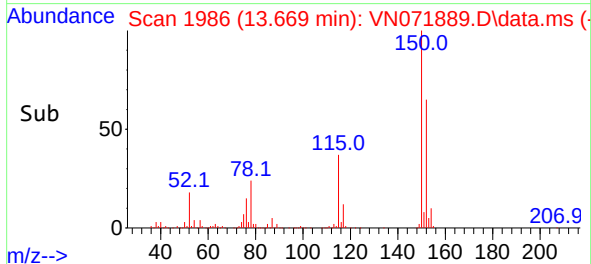
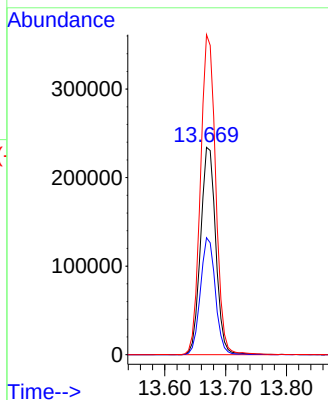
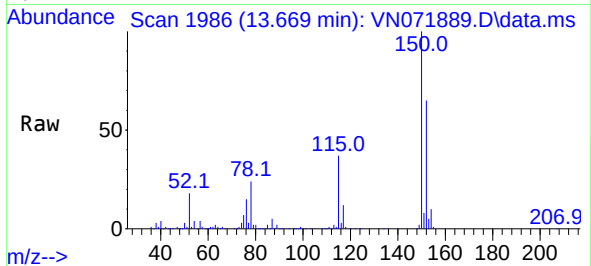




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

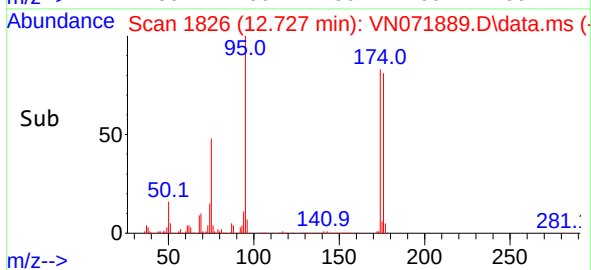
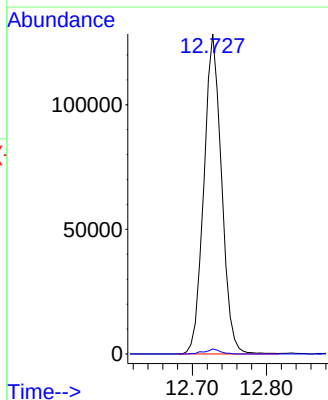
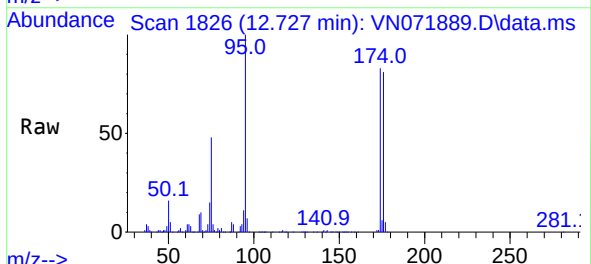
Instrument :
MSVOA_N
ClientSampleId :
TP-1

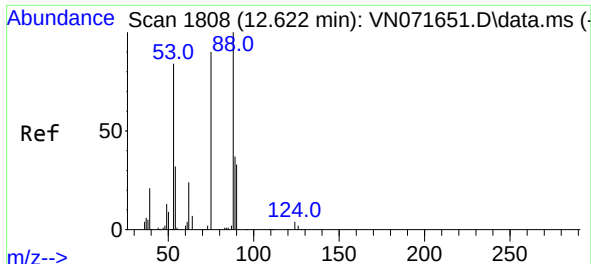
Tgt Ion:152 Resp: 405407
Ion Ratio Lower Upper
152 100
115 55.8 28.9 86.7
150 154.8 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 22.658 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 75 Resp: 212797
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

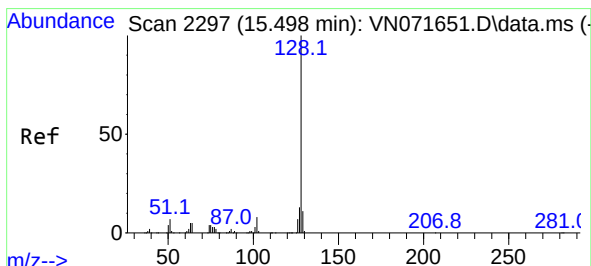
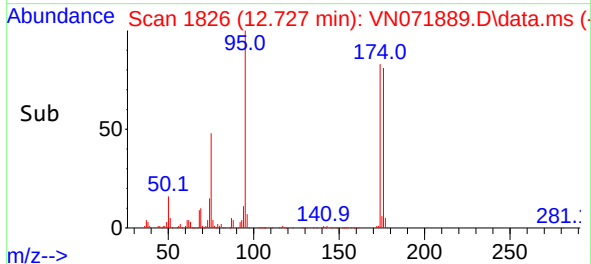
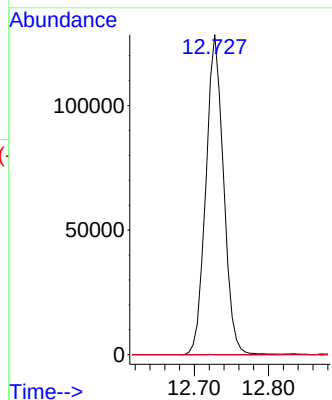
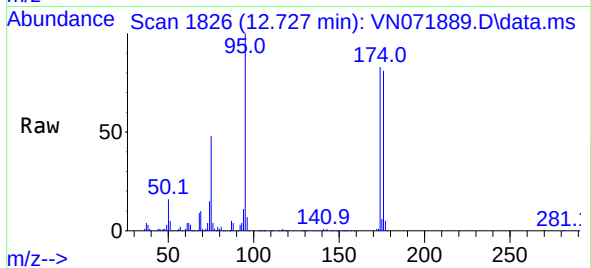




#81
trans-1,4-Dichloro-2-butene
Concen: 70.217 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 212797
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.806 ug/l
RT: 15.486 min Scan# 2295
Delta R.T. -0.012 min
Lab File: VN071889.D
Acq: 06 Apr 2022 19:08

Tgt Ion: 128 Resp: 60
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

