

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031122\
 Data File : VN071249.D
 Acq On : 11 Mar 2022 15:36
 Operator : JC\MD
 Sample : N1886-02 10X
 Misc : 1.02g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 02:17:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

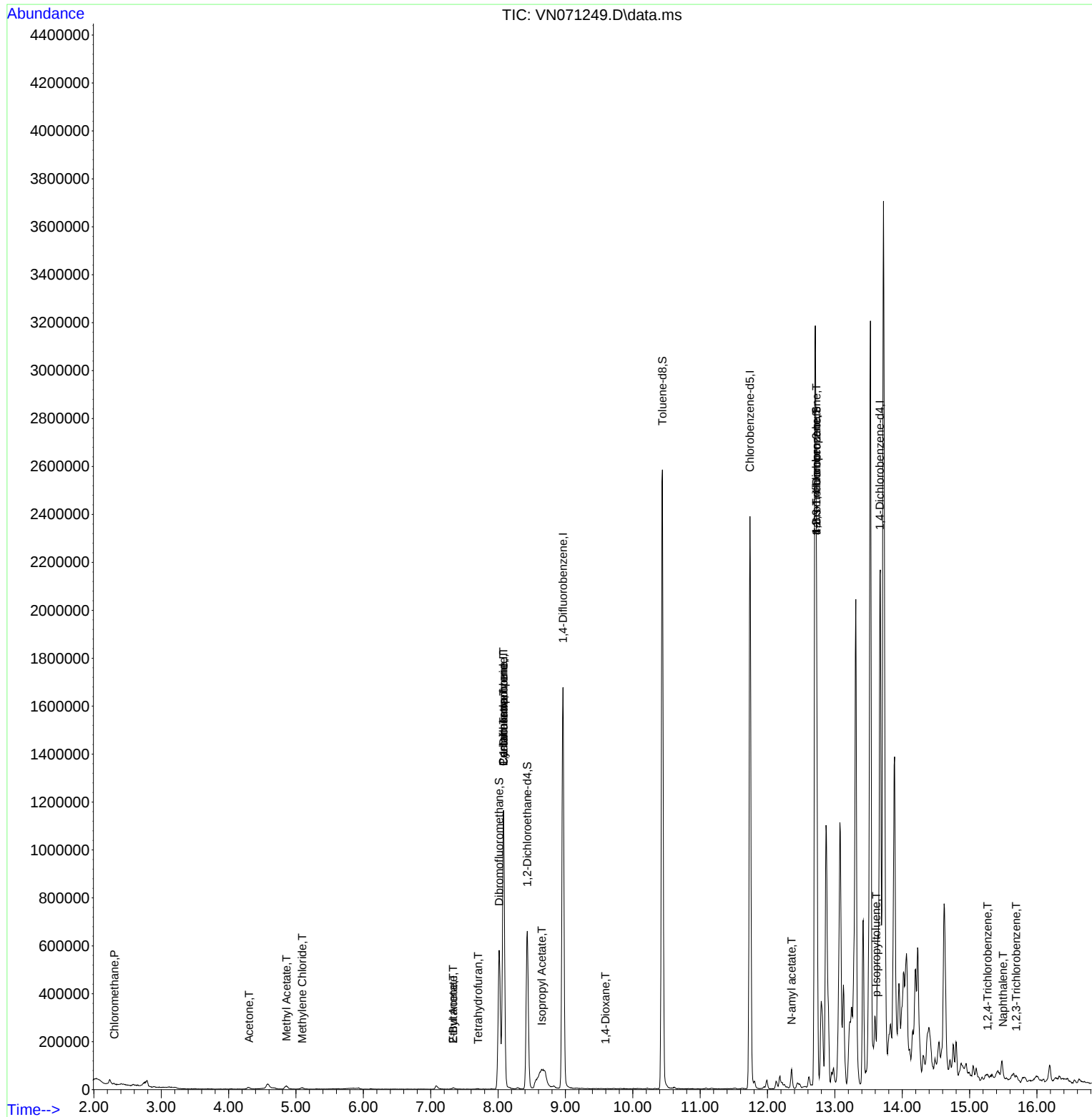
Internal Standards						
1) Pentafluorobenzene	8.080	168	889955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1455133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1370643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	523623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	545982	44.763	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.520%
35) Dibromofluoromethane	8.016	113	419129	45.645	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.280%
50) Toluene-d8	10.439	98	1785397	48.292	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.580%
62) 4-Bromofluorobenzene	12.727	95	650404	51.952	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	3441	0.228	ug/l	97
5) Bromomethane	2.828	94	1714	Below Cal		93
16) Acetone	4.304	43	10079	1.698	ug/l	93
18) Methyl Acetate	4.857	43	29458	2.301	ug/l #	90
20) Methylene Chloride	5.092	84	3992	0.747	ug/l #	84
25) 2-Butanone	7.333	43	9520	0.996	ug/l	96
29) Tetrahydrofuran	7.704	42	1563	0.236	ug/l #	55
31) Cyclohexane	8.080	56	19012	0.976	ug/l #	8
36) 1,1-Dichloropropene	8.080	75	66881	4.546	ug/l #	50
37) Ethyl Acetate	7.333	43	9520	0.470	ug/l #	68
38) Carbon Tetrachloride	8.080	117	85856	6.033	ug/l #	18
43) Isopropyl Acetate	8.651	43	145328	4.800	ug/l #	55
49) 1,4-Dioxane	9.592	88	53	0.217	ug/l #	1
74) N-amyl acetate	12.357	43	13456	0.709	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.815	83	4816	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	334728	24.962	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	334728	69.103	ug/l #	5
86) p-Isopropyltoluene	13.615	119	7543	0.206	ug/l #	76
93) 1,2,4-Trichlorobenzene	15.268	180	1541	3.158	ug/l	92
95) Naphthalene	15.498	128	7862	5.362	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.692	180	1887	2.949	ug/l #	86

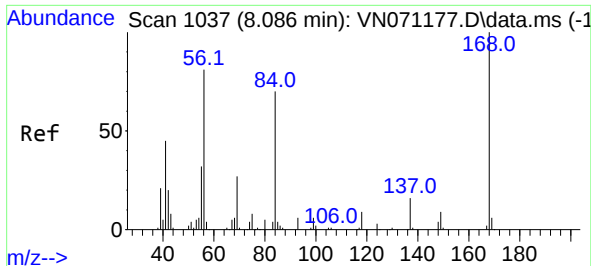
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

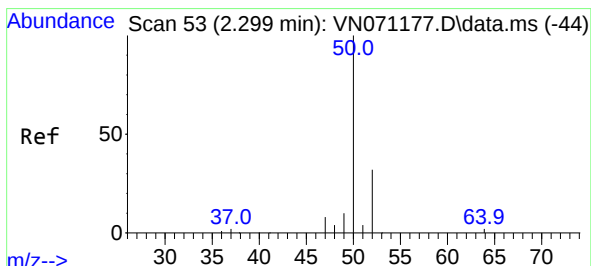
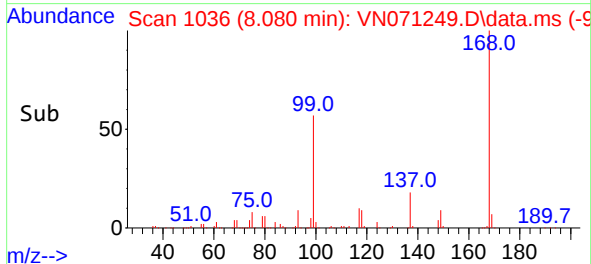
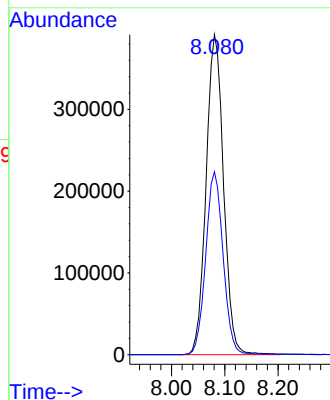
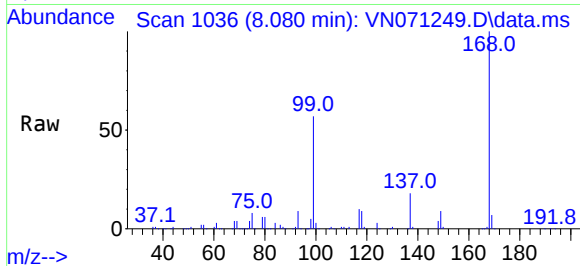




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

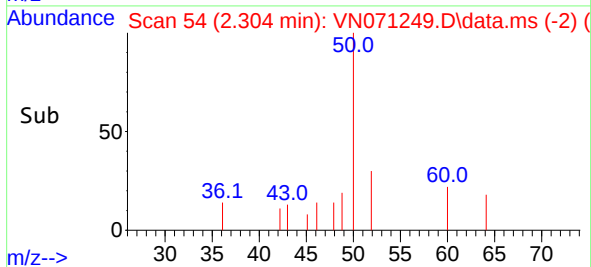
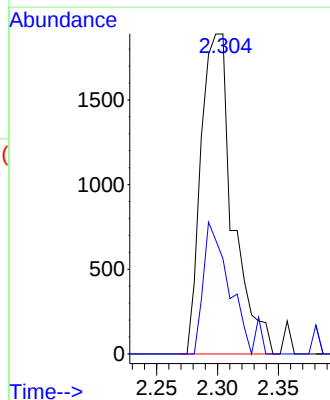
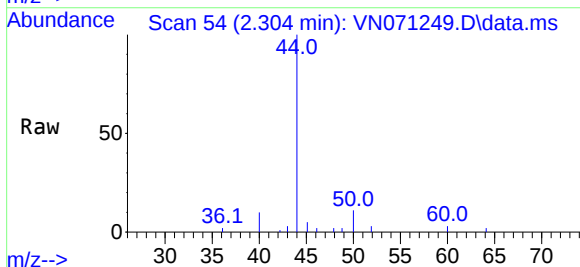
Instrument :
MSVOA_N
ClientSampleId :

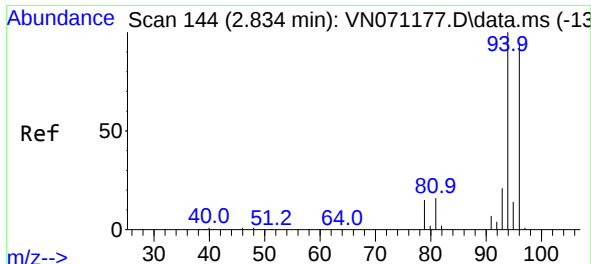
Tgt Ion:168 Resp: 889955
Ion Ratio Lower Upper
168 100
99 57.1 41.3 61.9



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion: 50 Resp: 3441
Ion Ratio Lower Upper
50 100
52 29.8 25.4 38.0

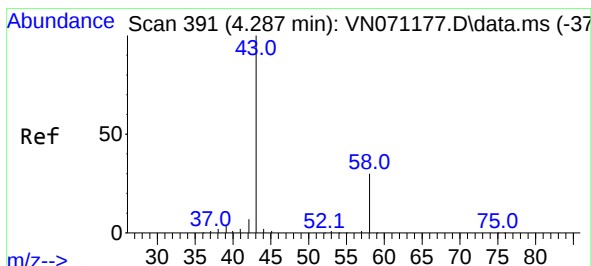
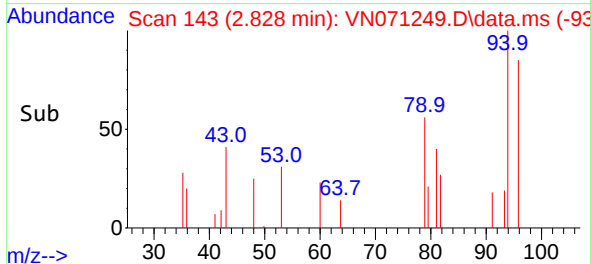
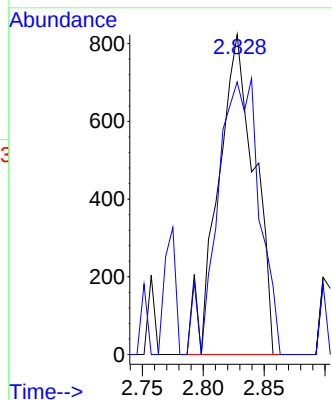
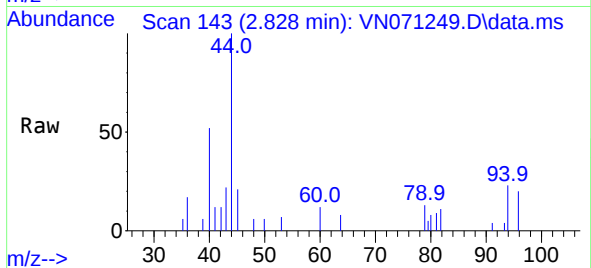




#5
Bromomethane
Concen: Below Cal
RT: 2.828 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

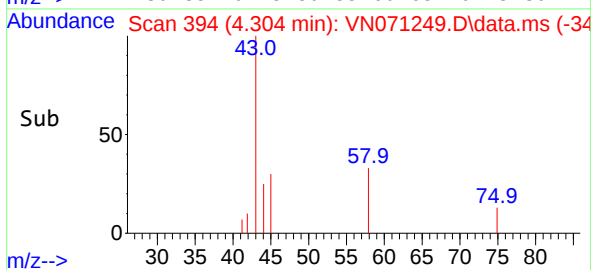
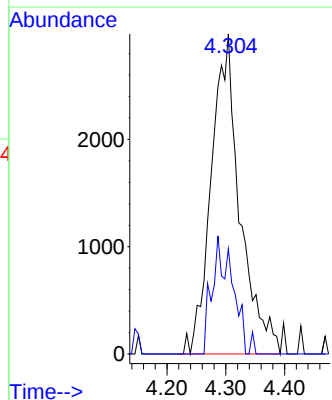
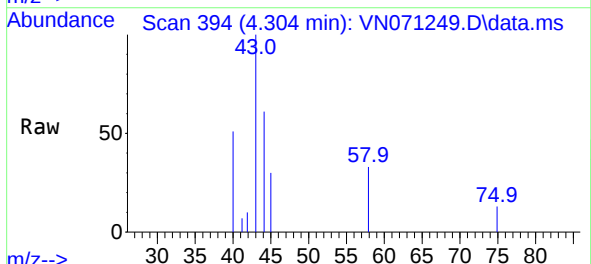
Instrument :
MSVOA_N
ClientSampleId :

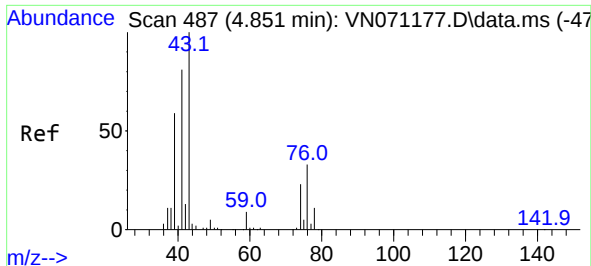
Tgt Ion: 94 Resp: 1714
Ion Ratio Lower Upper
94 100
96 85.2 73.8 110.8



#16
Acetone
Concen: 1.698 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion: 43 Resp: 10079
Ion Ratio Lower Upper
43 100
58 32.9 23.1 34.7

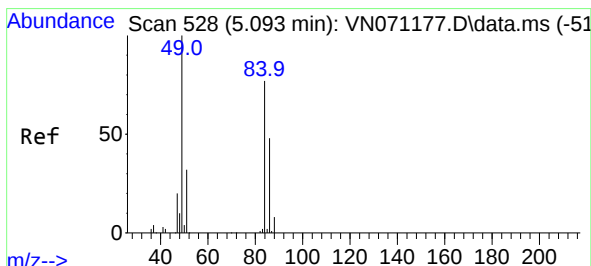
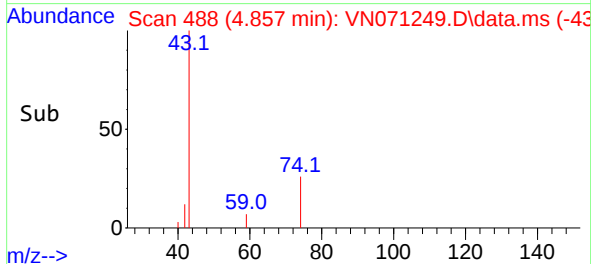
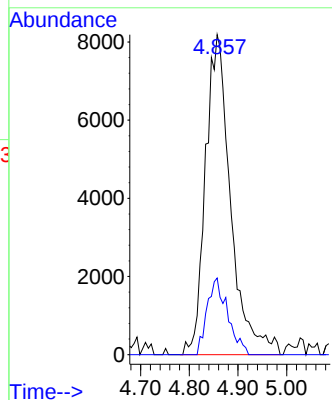
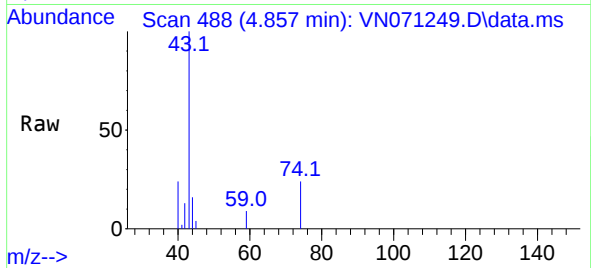




#18
Methyl Acetate
Concen: 2.301 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

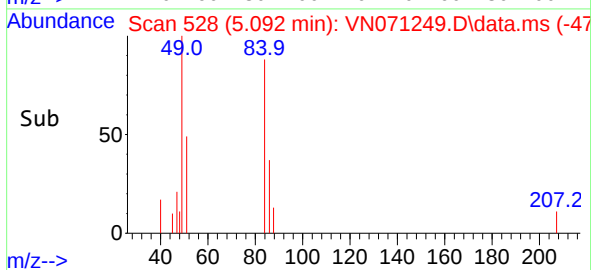
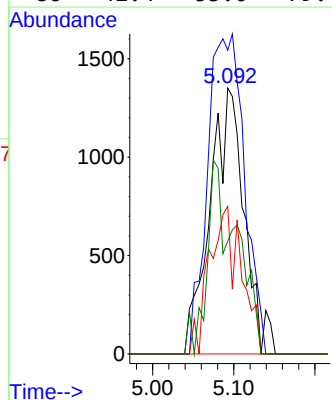
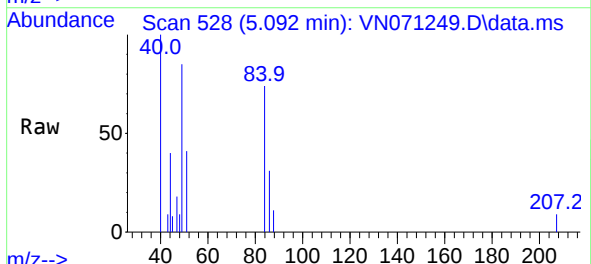
Instrument :
MSVOA_N
ClientSampleId :

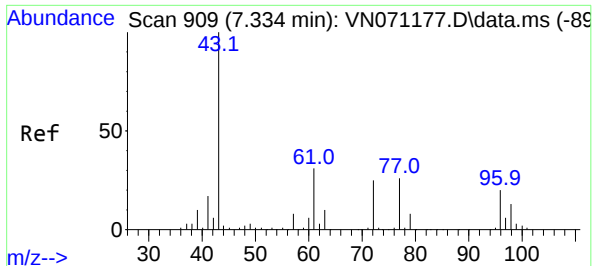
Tgt Ion: 43 Resp: 29458
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2#



#20
Methylene Chloride
Concen: 0.747 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion: 84 Resp: 3992
Ion Ratio Lower Upper
84 100
49 114.2 93.5 140.3
51 55.5 29.4 44.2#
86 42.4 53.0 79.4#





#25

2-Butanone

Concen: 0.996 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.000 min

Lab File: VN071249.D

Acq: 11 Mar 2022 15:36

Instrument :

MSVOA_N

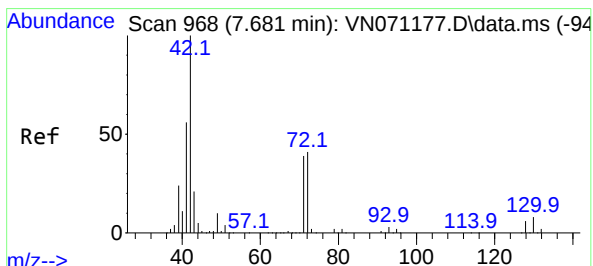
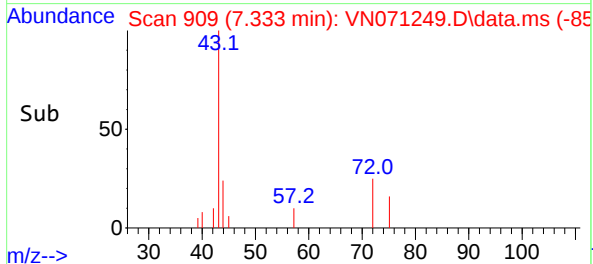
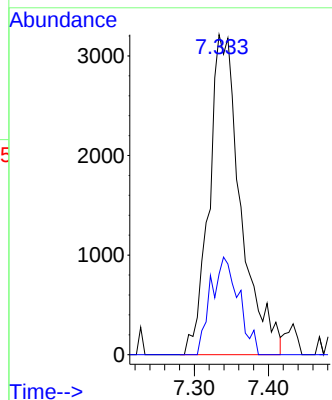
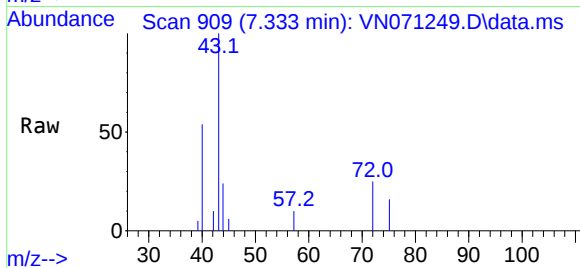
ClientSampleId :

Tgt Ion: 43 Resp: 9520

Ion Ratio Lower Upper

43 100

72 25.2 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.023 min

Lab File: VN071249.D

Acq: 11 Mar 2022 15:36

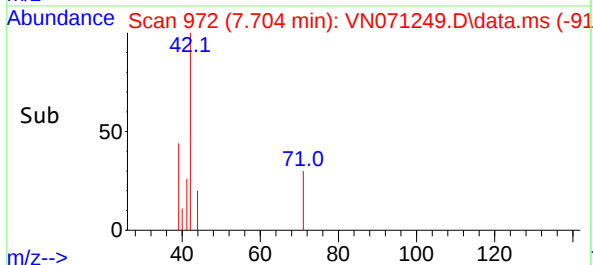
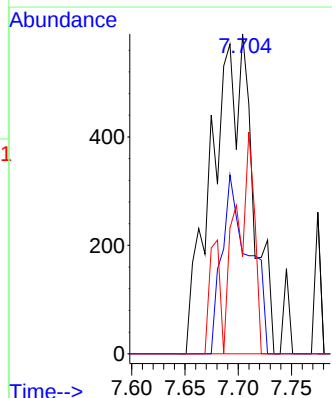
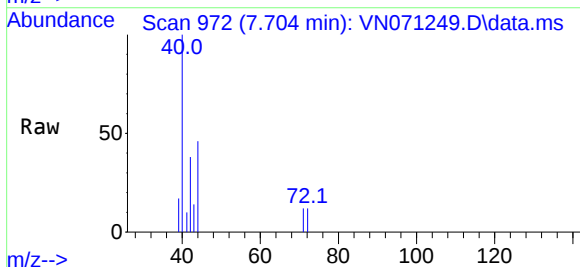
Tgt Ion: 42 Resp: 1563

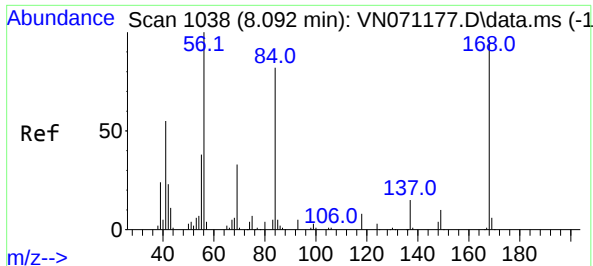
Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 30.3 34.7 52.1#





#31

Cyclohexane

Concen: 0.976 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071249.D

Acq: 11 Mar 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

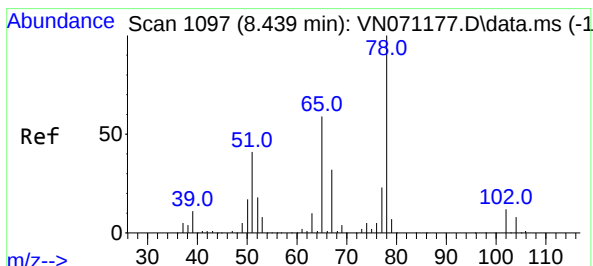
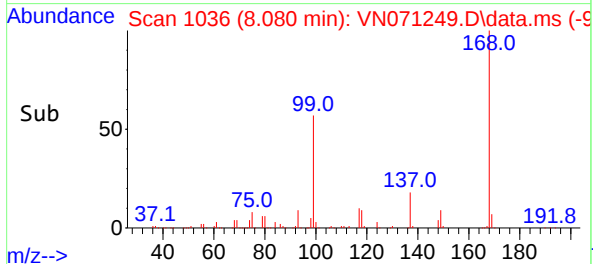
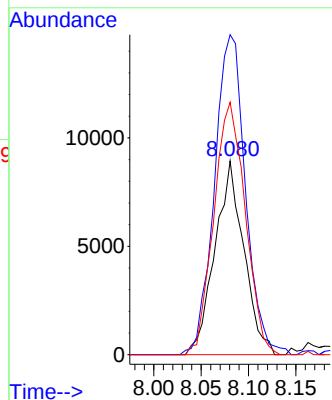
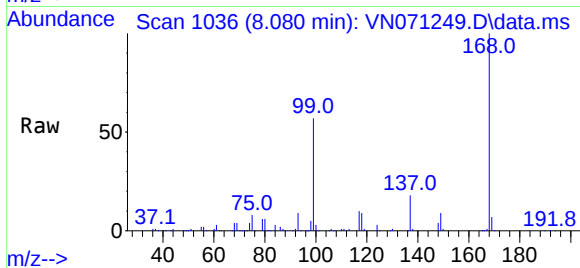
Tgt Ion: 56 Resp: 19012

Ion Ratio Lower Upper

56 100

69 165.2 27.1 40.7#

84 130.3 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 44.763 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071249.D

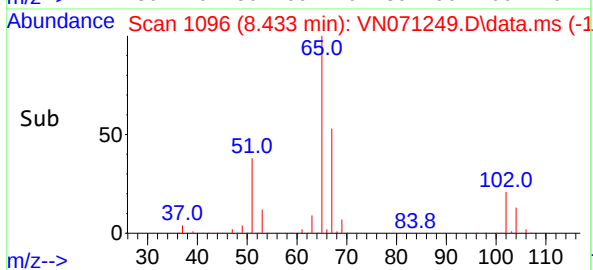
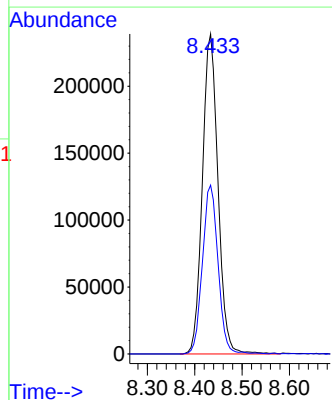
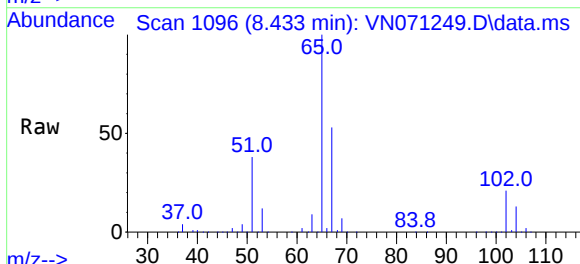
Acq: 11 Mar 2022 15:36

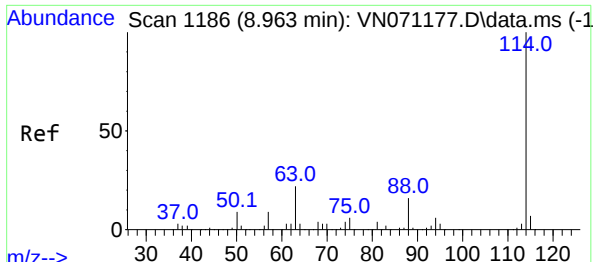
Tgt Ion: 65 Resp: 545982

Ion Ratio Lower Upper

65 100

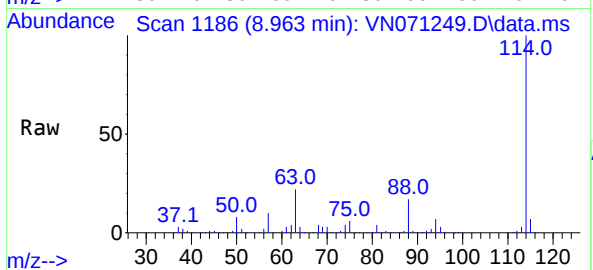
67 52.6 0.0 103.0



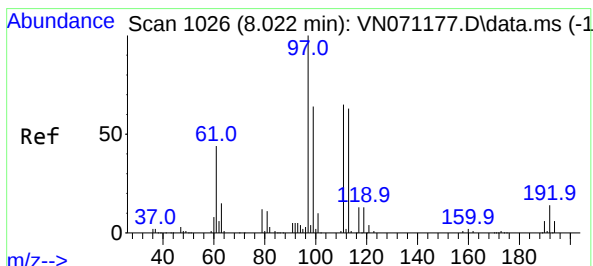
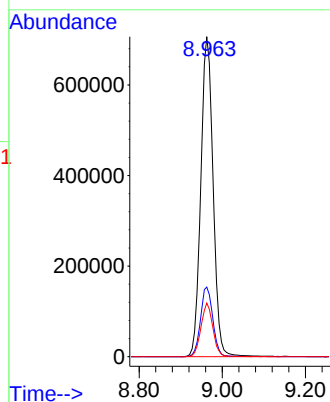
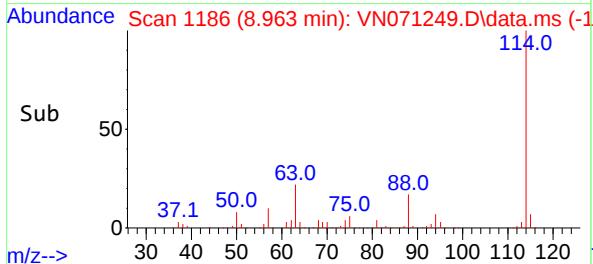


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

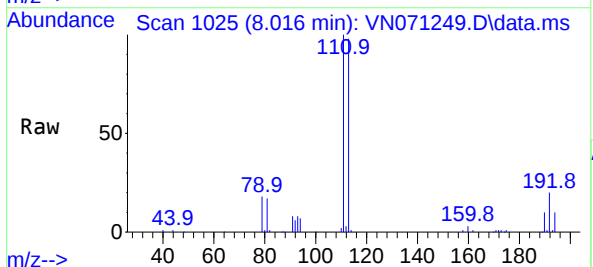
Instrument :
MSVOA_N
ClientSampleId :



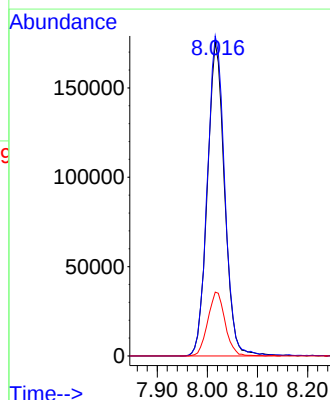
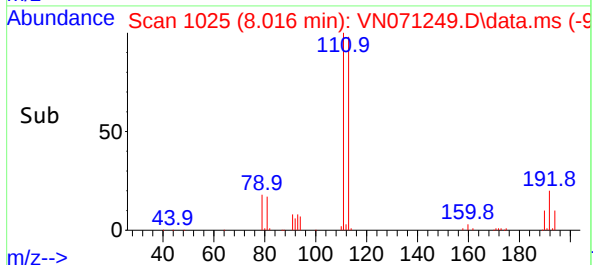
Tgt Ion:114 Resp: 1455133
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 16.7 0.0 27.4

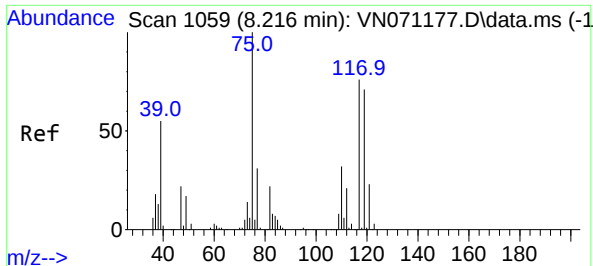


#35
Dibromofluoromethane
Concen: 45.645 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36



Tgt Ion:113 Resp: 419129
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 8.080 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN071249.D

Acq: 11 Mar 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

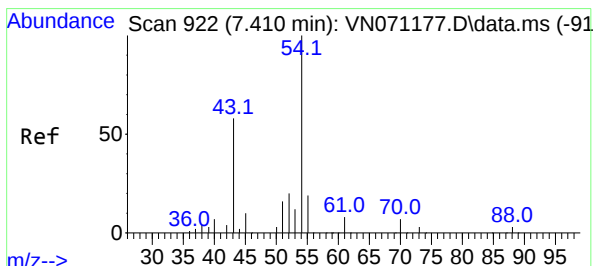
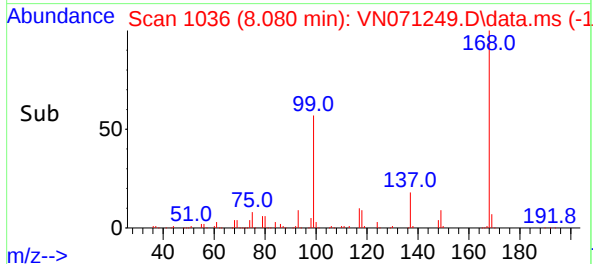
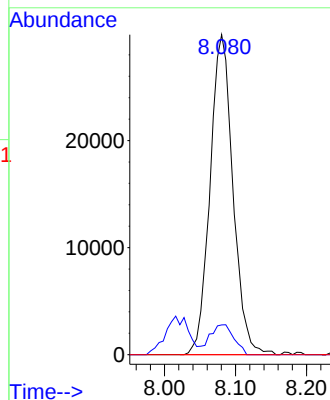
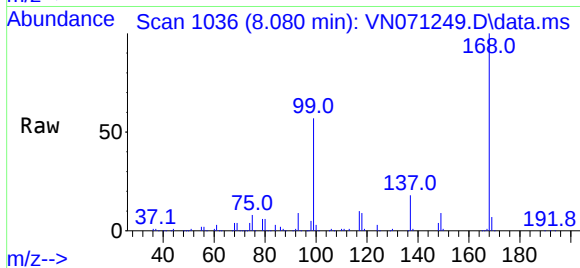
Tgt Ion: 75 Resp: 66881

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.470 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.077 min

Lab File: VN071249.D

Acq: 11 Mar 2022 15:36

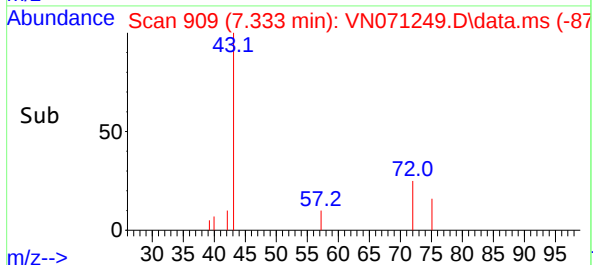
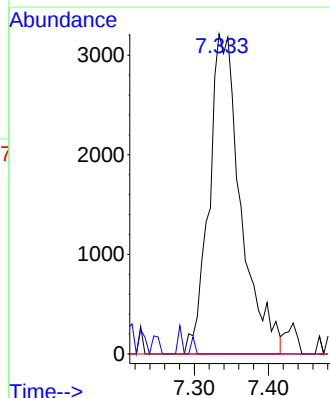
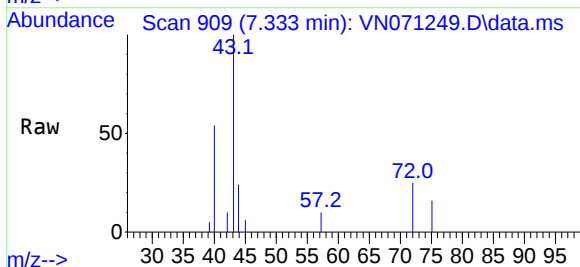
Tgt Ion: 43 Resp: 9520

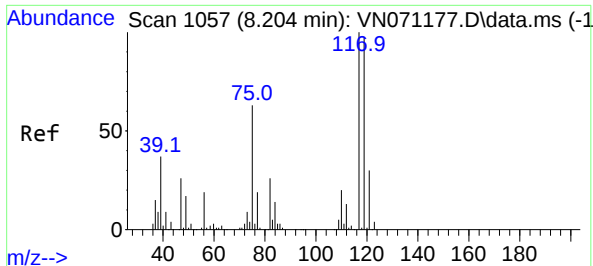
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

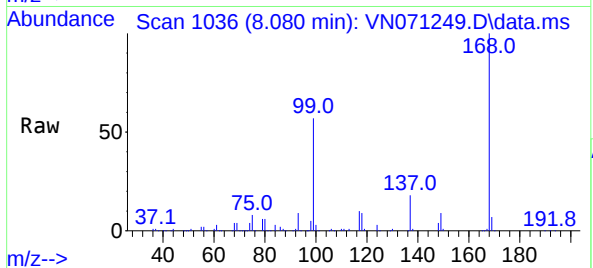
70 0.0 7.9 11.9#



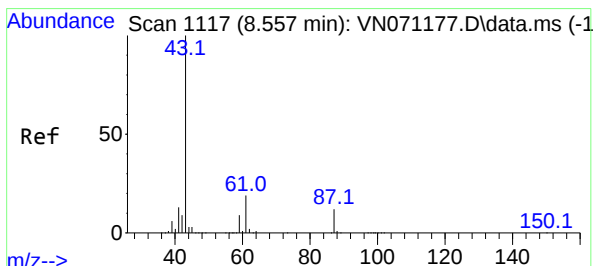
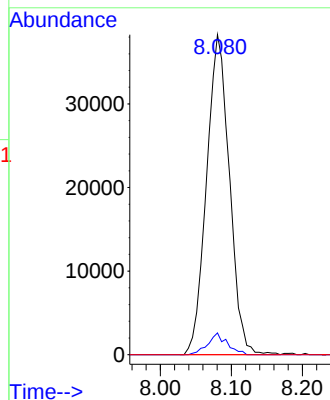
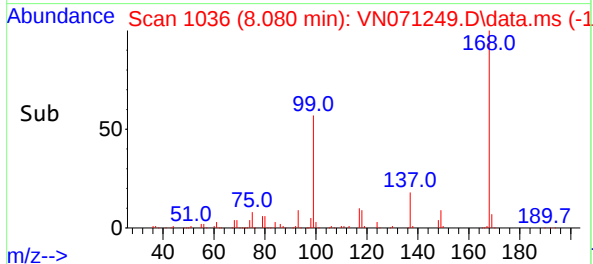


#38
Carbon Tetrachloride
Concen: 6.033 ug/l
RT: 8.080 min Scan# 110
Delta R.T. -0.124 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

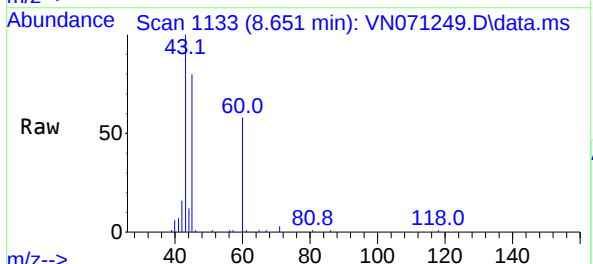
Instrument :
MSVOA_N
ClientSampleId :



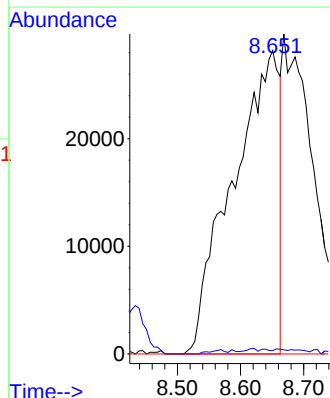
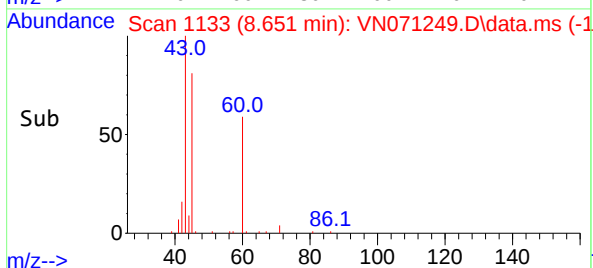
Tgt Ion:117 Resp: 85856
Ion Ratio Lower Upper
117 100
119 6.8 76.1 114.1#
121 0.0 24.2 36.2#

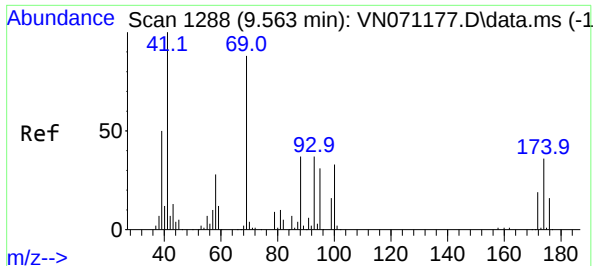


#43
Isopropyl Acetate
Concen: 4.800 ug/l
RT: 8.651 min Scan# 1133
Delta R.T. 0.094 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36



Tgt Ion: 43 Resp: 145328
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

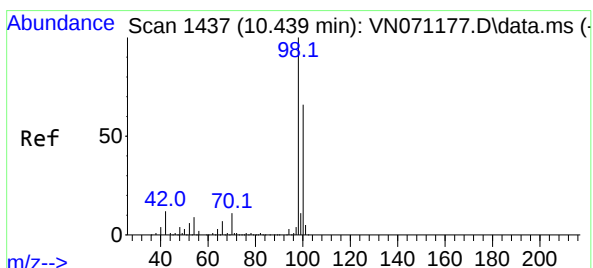
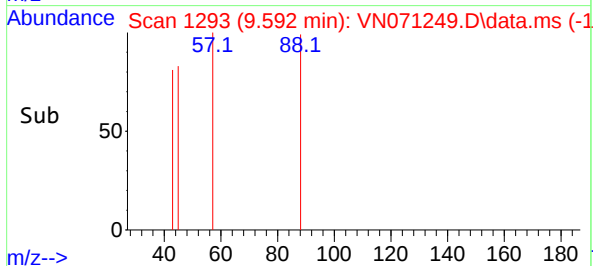
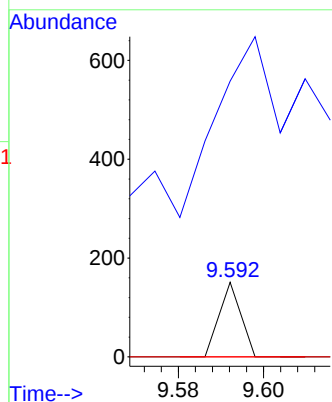
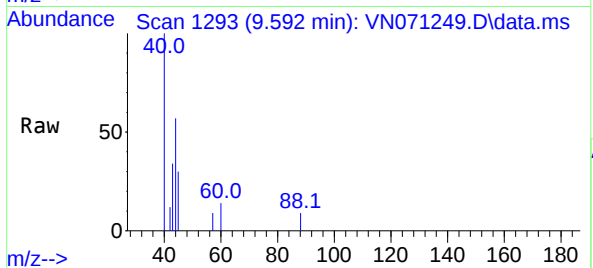




#49
1,4-Dioxane
Concen: 0.217 ug/l
RT: 9.592 min Scan# 1293
Delta R.T. 0.029 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

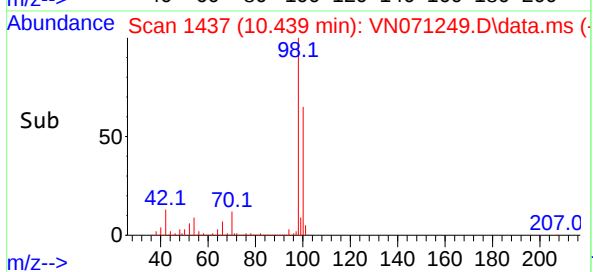
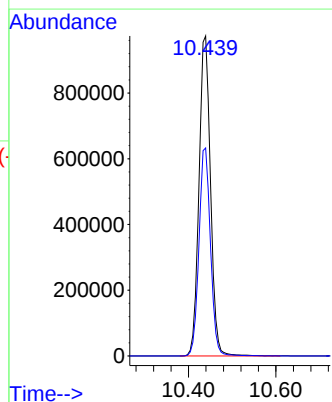
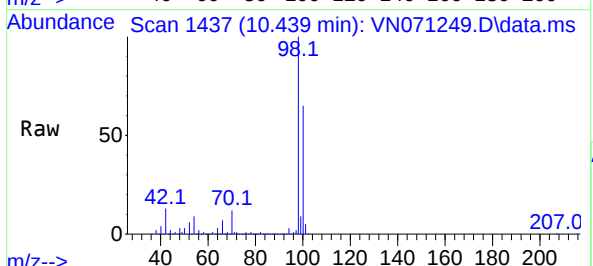
Instrument :
MSVOA_N
ClientSampleId :

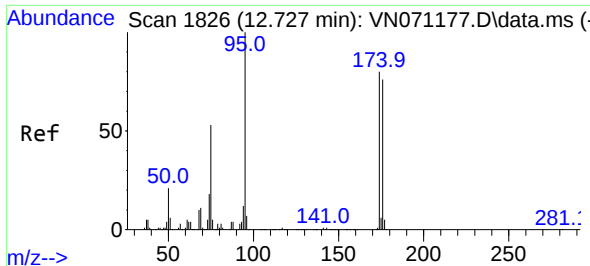
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 983.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 48.292 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion: 98 Resp: 1785397
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6

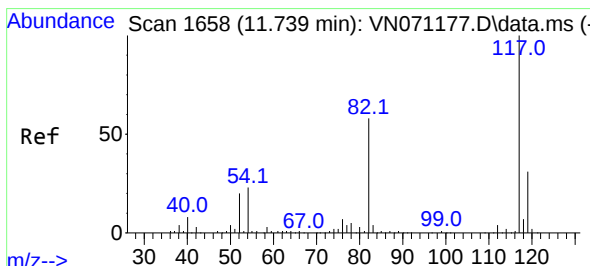
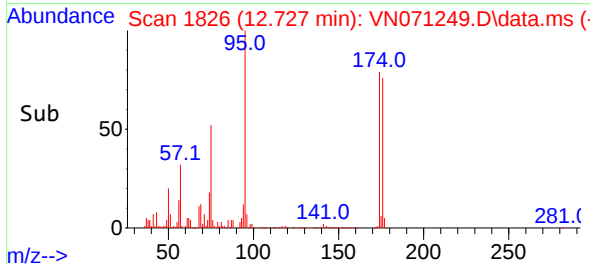
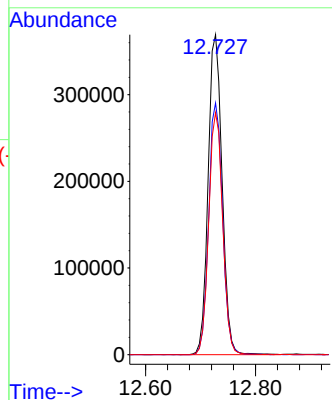
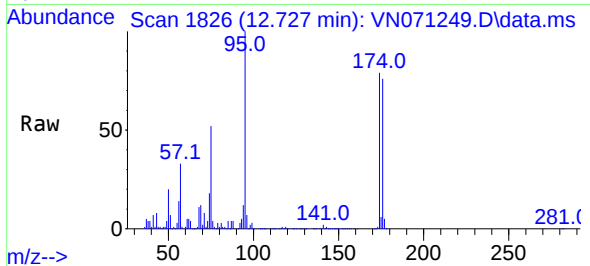




#62
4-Bromofluorobenzene
Concen: 51.952 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

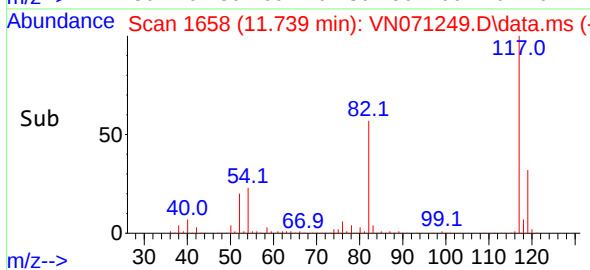
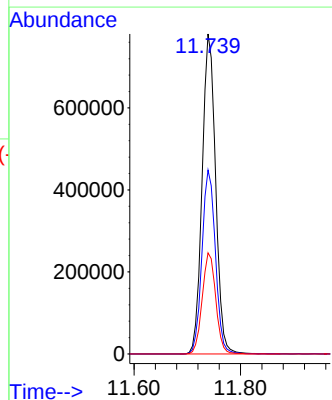
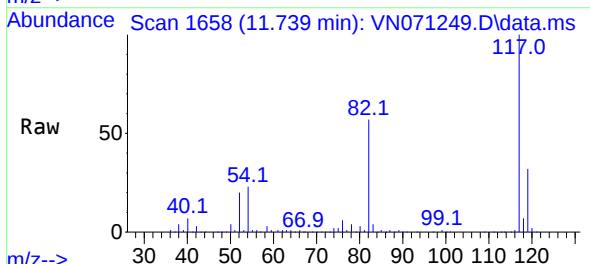
Instrument :
MSVOA_N
ClientSampleId :

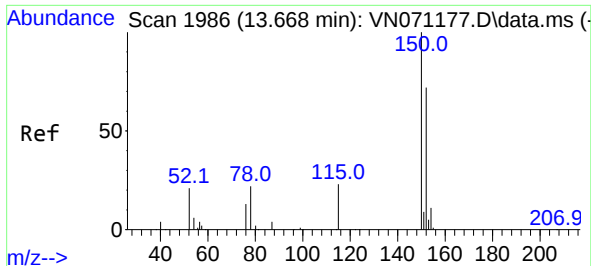
Tgt Ion: 95 Resp: 650404
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 75.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

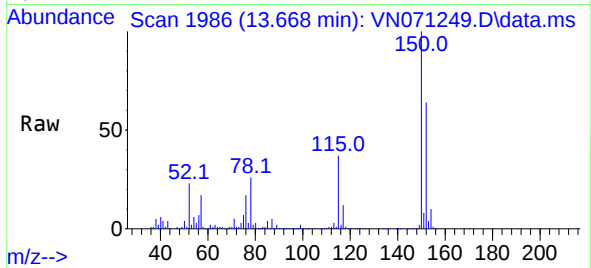
Tgt Ion: 117 Resp: 1370643
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 31.6 25.4 38.2



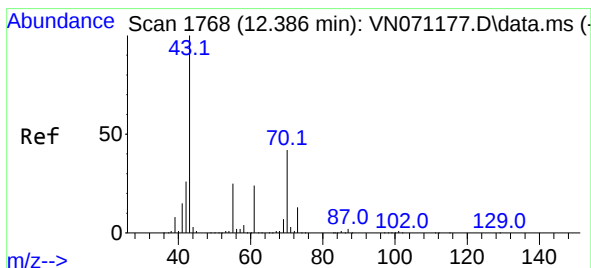
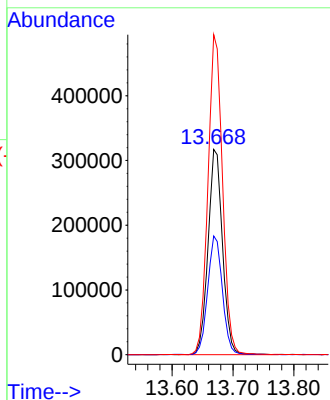
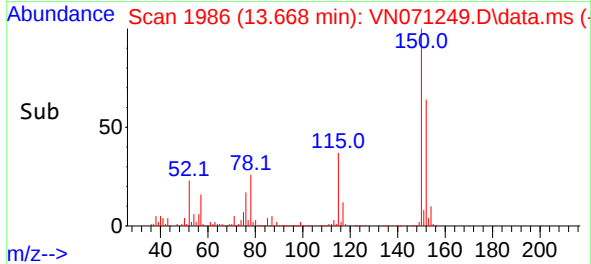


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :

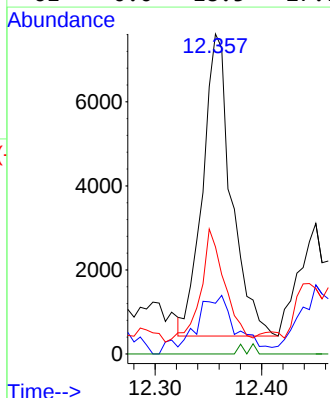
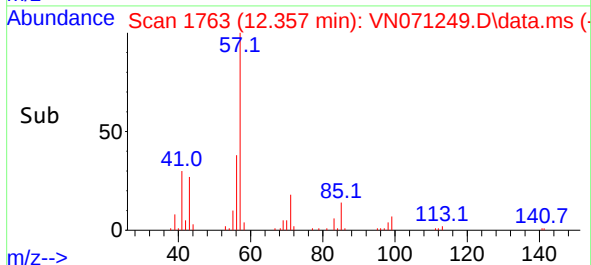
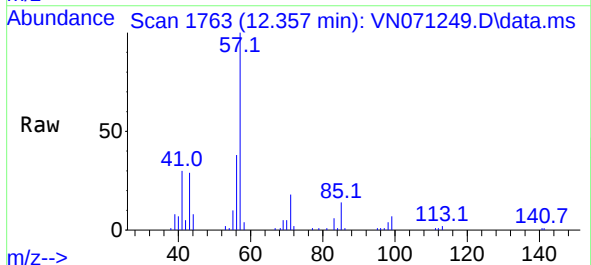


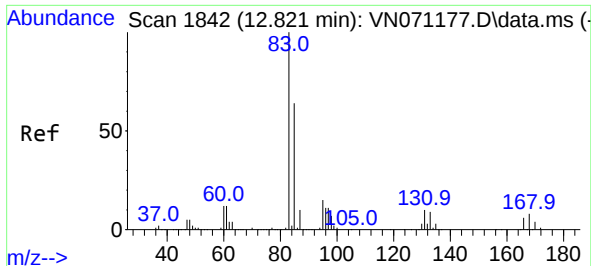
Tgt Ion:152 Resp: 523623
Ion Ratio Lower Upper
152 100
115 59.1 27.5 82.5
150 156.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.709 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.029 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion: 43 Resp: 13456
Ion Ratio Lower Upper
43 100
70 28.3 33.4 50.0#
55 32.0 19.3 28.9#
61 0.0 18.5 27.7#

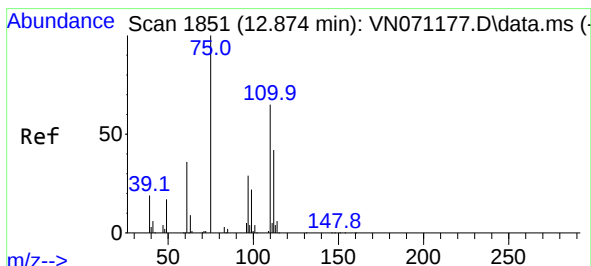
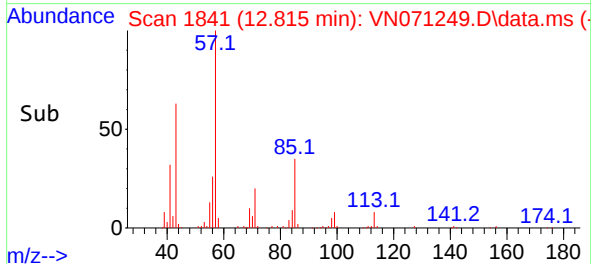
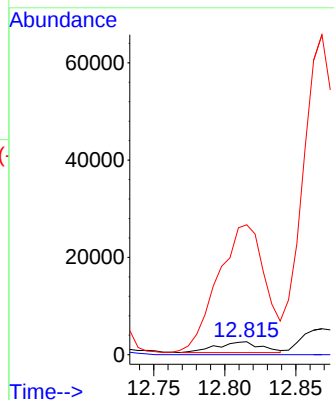
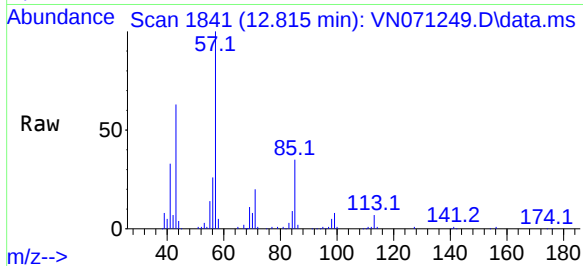




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.815 min Scan# 1842
Delta R.T. -0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

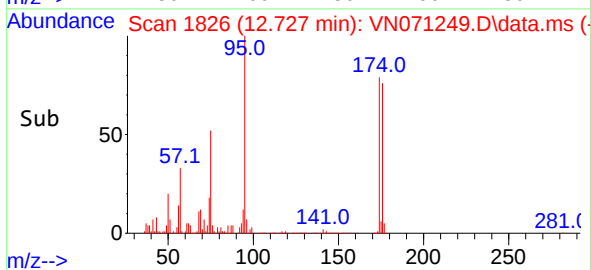
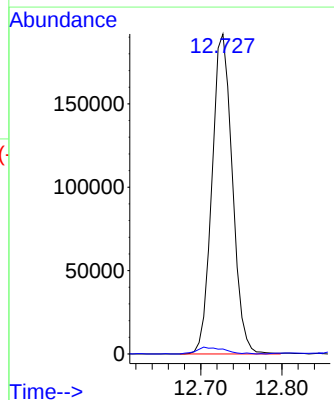
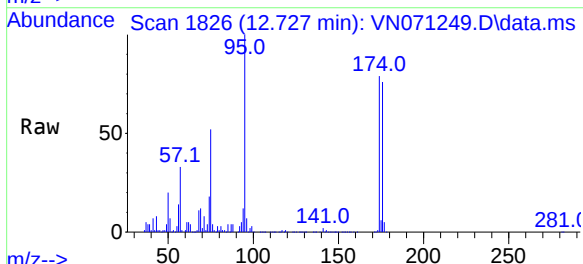
Instrument :
MSVOA_N
ClientSampleId :

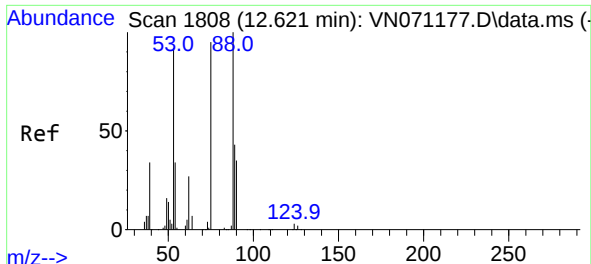
Tgt Ion: 83 Resp: 4816
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 1279.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 24.962 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion: 75 Resp: 334728
Ion Ratio Lower Upper
75 100
77 0.0 82.6 247.8#

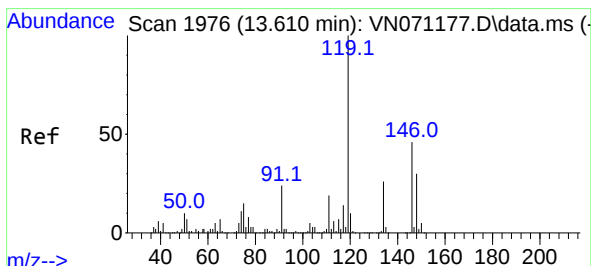
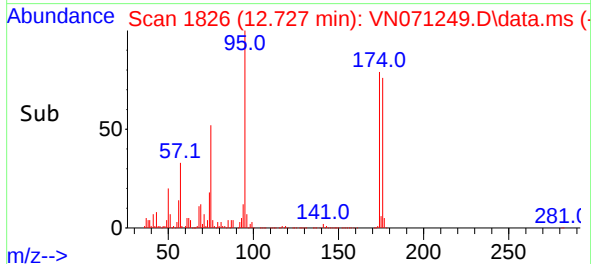
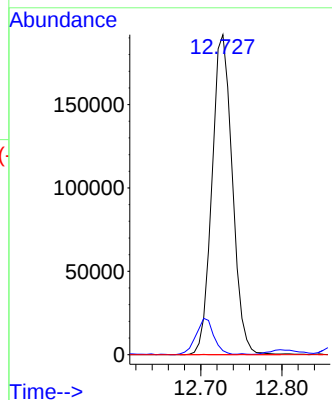
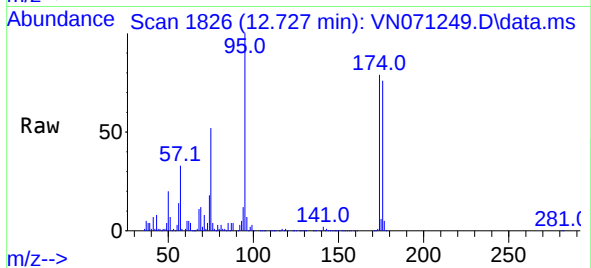




#81
trans-1,4-Dichloro-2-butene
Concen: 69.103 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

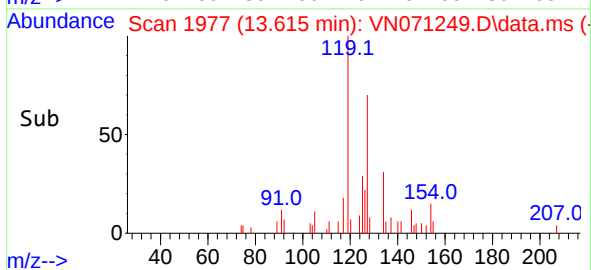
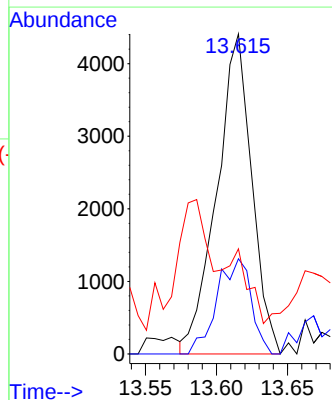
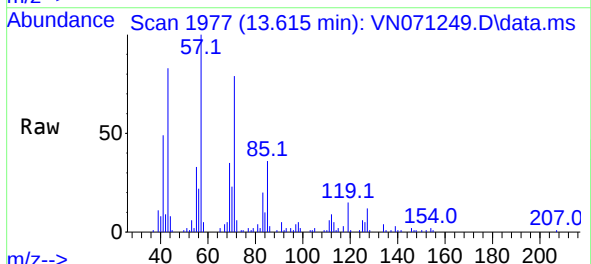
Instrument :
MSVOA_N
ClientSampleId :

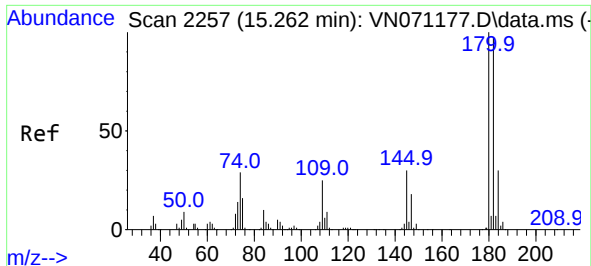
Tgt Ion: 75 Resp: 334728
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#86
p-Isopropyltoluene
Concen: 0.206 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

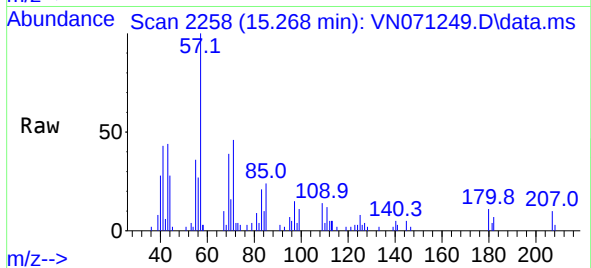
Tgt Ion: 119 Resp: 7543
Ion Ratio Lower Upper
119 100
134 29.2 13.6 40.7
91 0.0 11.4 34.1#



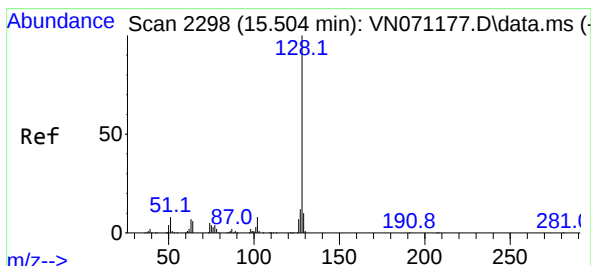
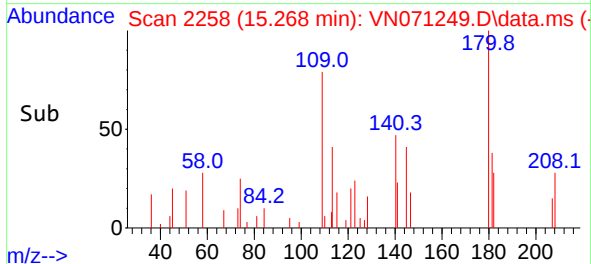
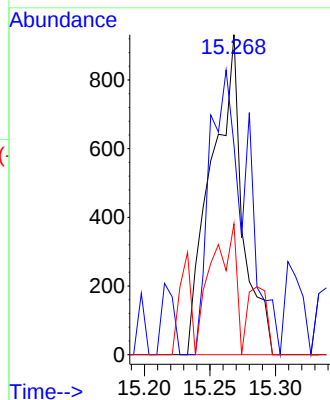


#93
1,2,4-Trichlorobenzene
Concen: 3.158 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :

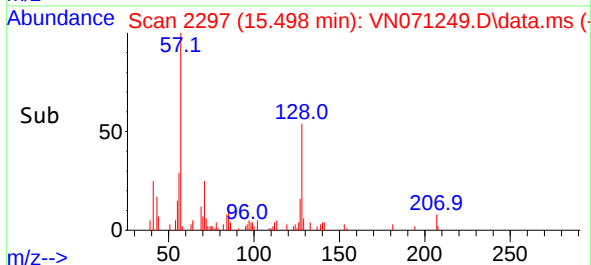
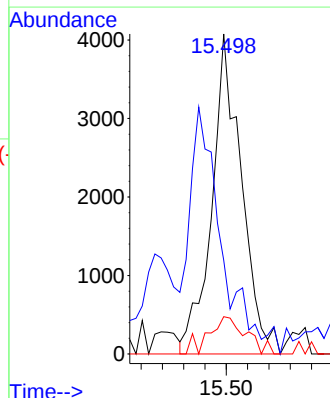
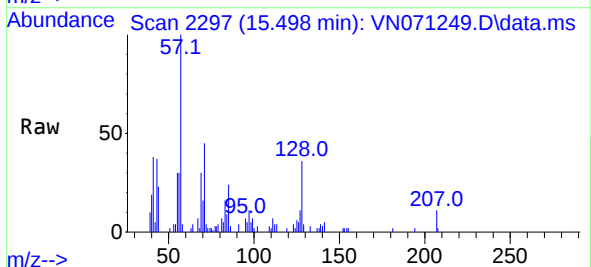


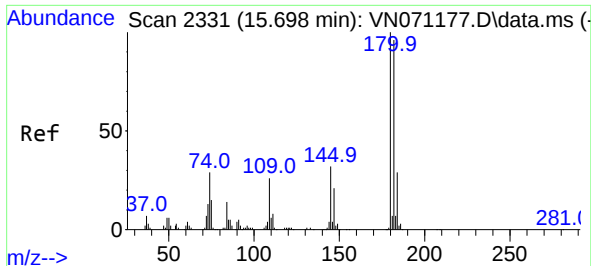
Tgt Ion:180 Resp: 1541
Ion Ratio Lower Upper
180 100
182 104.9 48.3 144.9
145 32.1 14.5 43.5



#95
Naphthalene
Concen: 5.362 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071249.D
Acq: 11 Mar 2022 15:36

Tgt Ion:128 Resp: 7862
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 14.8 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.949 ug/l

RT: 15.692 min Scan# 21

Delta R.T. -0.006 min

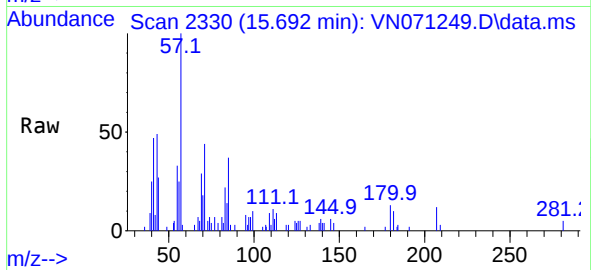
Lab File: VN071249.D

Acq: 11 Mar 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1887

Ion Ratio Lower Upper

180 100

182 99.0 47.4 142.2

145 55.1 15.0 45.1#

