

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071269.D
 Acq On : 14 Mar 2022 16:26
 Operator : JC\MD
 Sample : PB143286ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#01

Quant Time: Mar 15 02:53:07 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

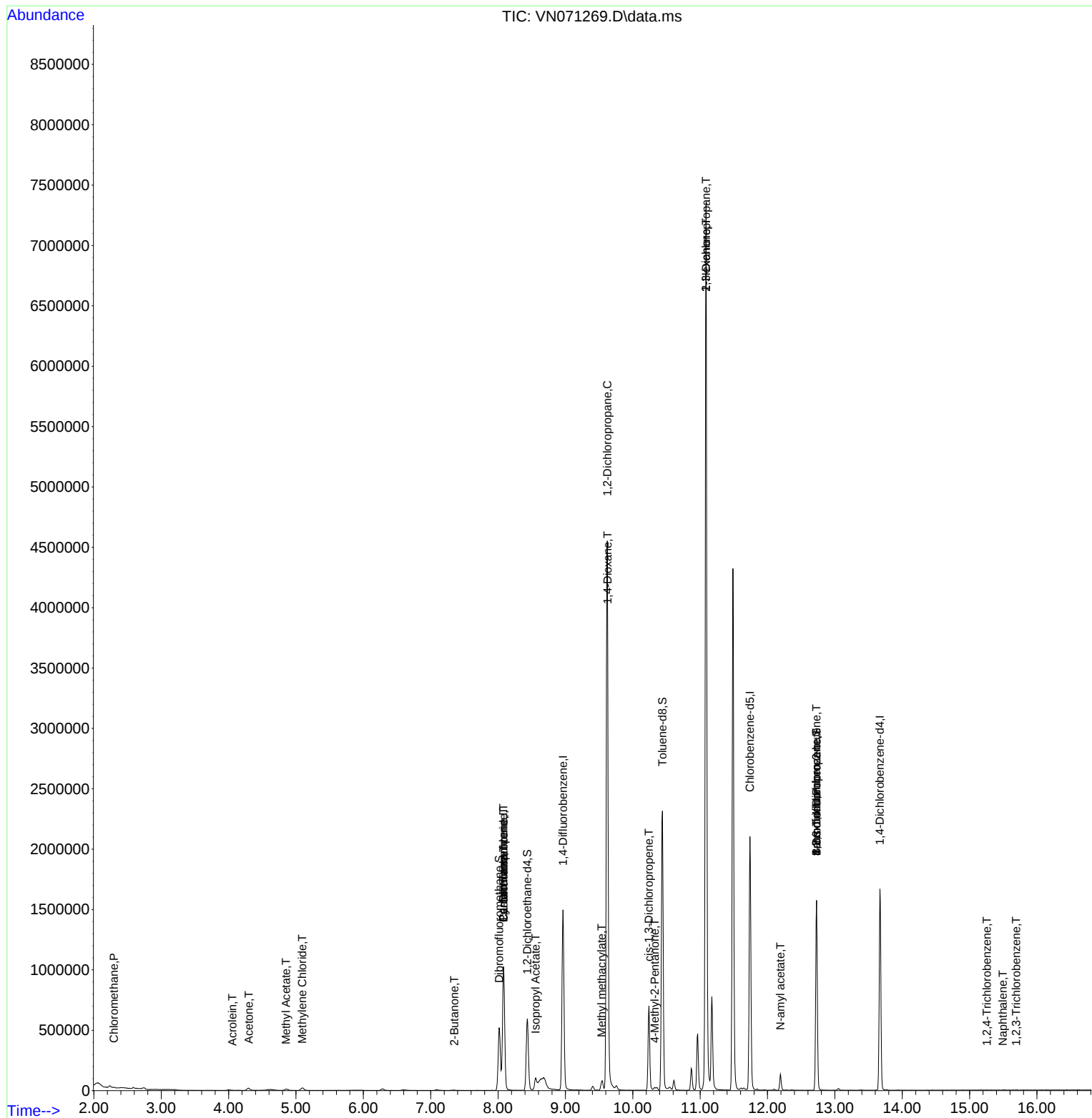
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	787438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1305396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1206535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	457399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	496085	45.967	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.940%
35) Dibromofluoromethane	8.016	113	381709	46.338	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.680%
50) Toluene-d8	10.439	98	1622959	48.933	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.727	95	544492	48.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3245	0.246	ug/l	98
5) Bromomethane	2.846	94	465	Below Cal	#	3
13) Acrolein	4.057	56	612	0.273	ug/l #	50
16) Acetone	4.299	43	35421	6.745	ug/l	92
18) Methyl Acetate	4.851	43	25219	2.241	ug/l	95
20) Methylene Chloride	5.093	84	15850	2.021	ug/l #	85
25) 2-Butanone	7.351	43	7027	0.831	ug/l #	72
31) Cyclohexane	8.081	56	16550	0.960	ug/l #	5
36) 1,1-Dichloropropene	8.081	75	61835	4.685	ug/l #	49
38) Carbon Tetrachloride	8.081	117	77421	6.065	ug/l #	16
43) Isopropyl Acetate	8.557	43	123982	4.564	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	6251	0.586	ug/l #	44
48) Methyl methacrylate	9.539	41	21301	1.692	ug/l #	8
49) 1,4-Dioxane	9.628	88	775	3.542	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	14835	0.880	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	124094	7.759	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	77208	4.384	ug/l #	43
59) 2-Hexanone	11.086	43	1177719	102.393	ug/l #	49
71) Bromoform	12.727	173	3168	0.439	ug/l #	1
74) N-amyl acetate	12.192	43	42690	2.575	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.827	83	153	Below Cal	#	74
76) 1,2,3-Trichloropropane	12.727	75	279015	23.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	279015	65.941	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	586	3.063	ug/l #	91
95) Naphthalene	15.492	128	1659	5.139	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.692	180	641	2.816	ug/l #	85

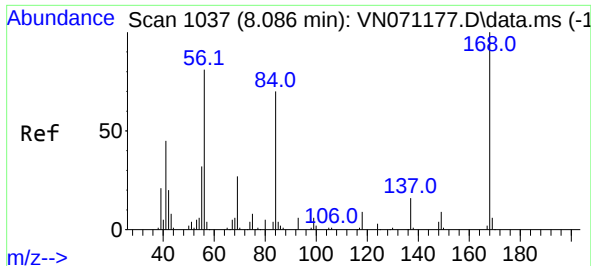
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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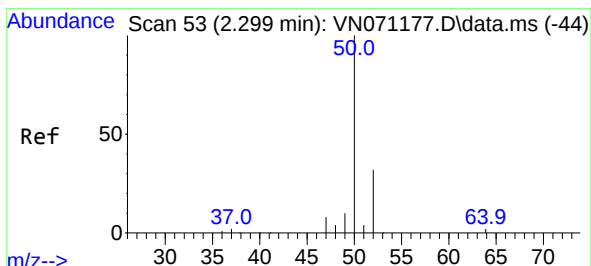
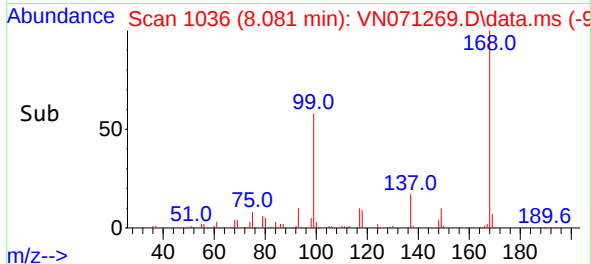
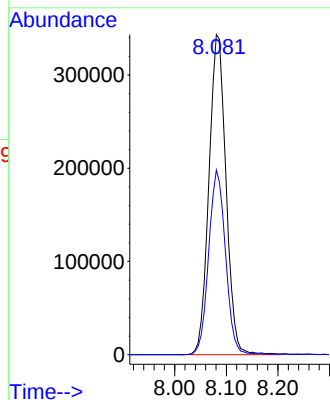
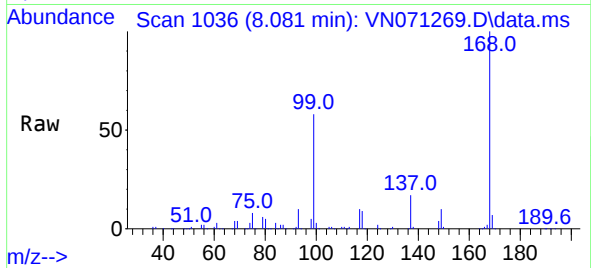




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

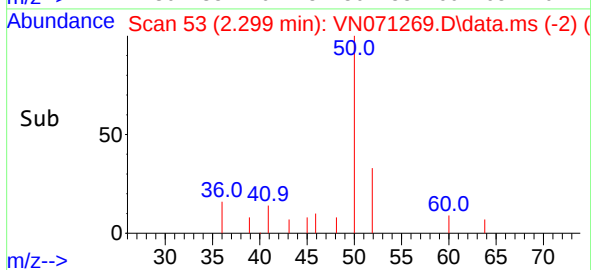
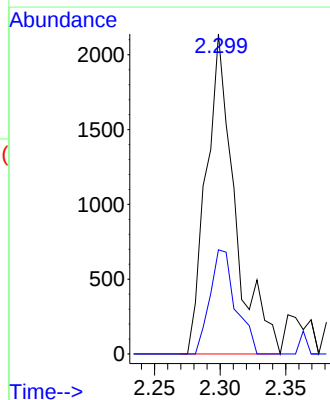
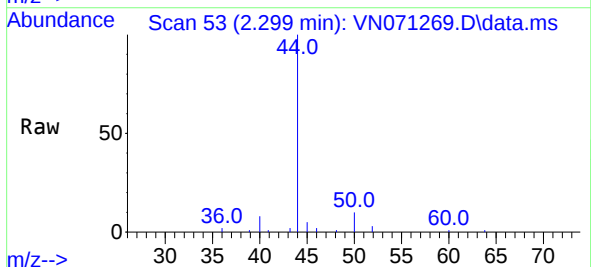
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

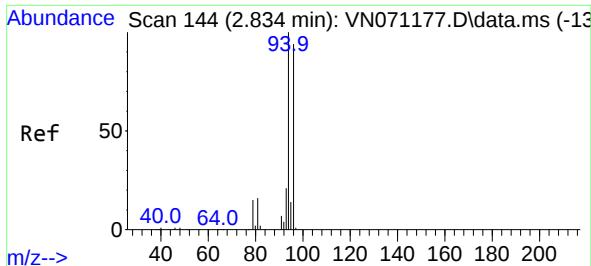
Tgt Ion:168 Resp: 787438
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 50 Resp: 3245
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.0

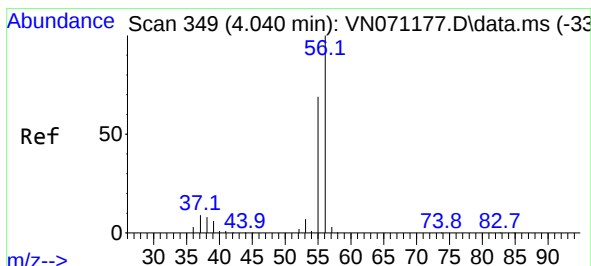
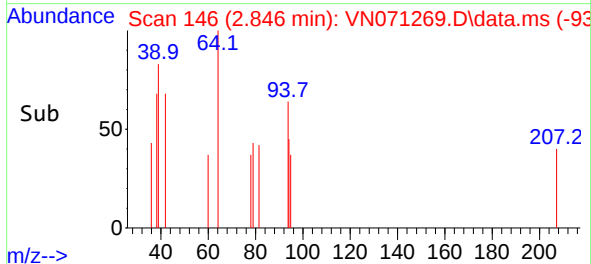
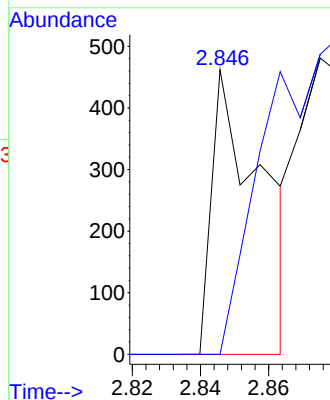
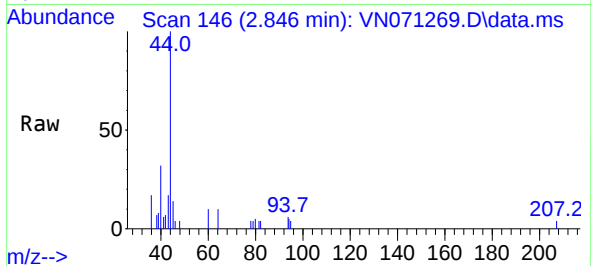




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

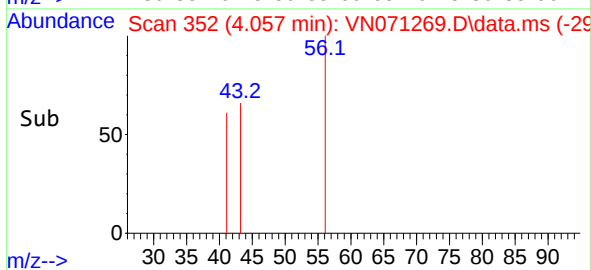
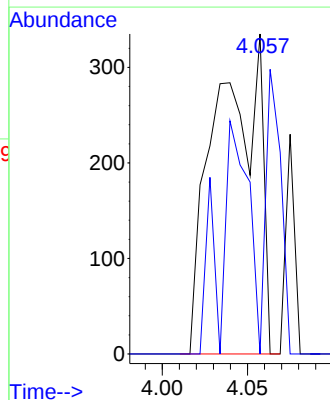
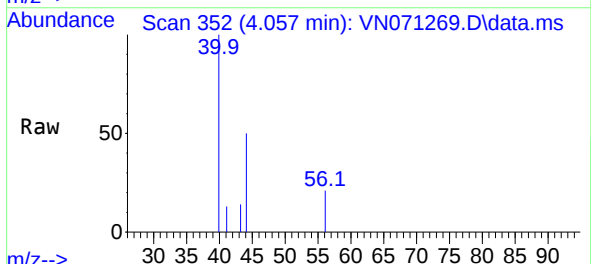
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

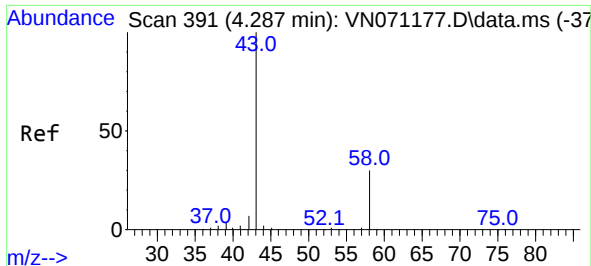
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#13
Acrolein
Concen: 0.273 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.018 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 56 Resp: 612
Ion Ratio Lower Upper
56 100
55 29.4 56.6 85.0#

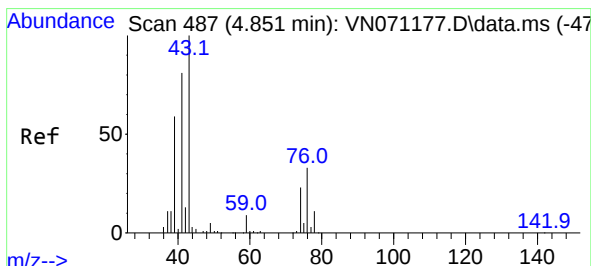
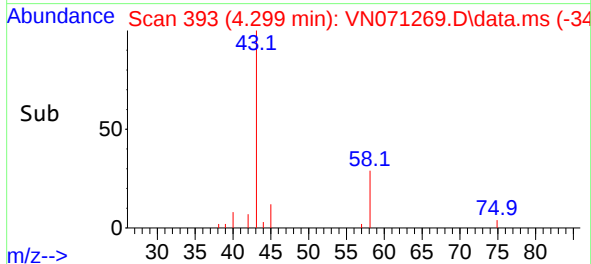
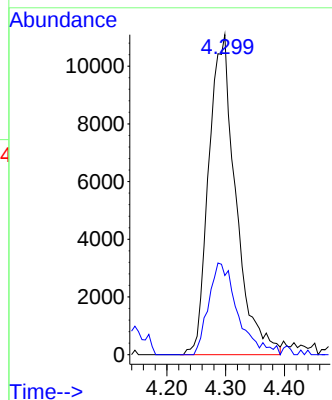
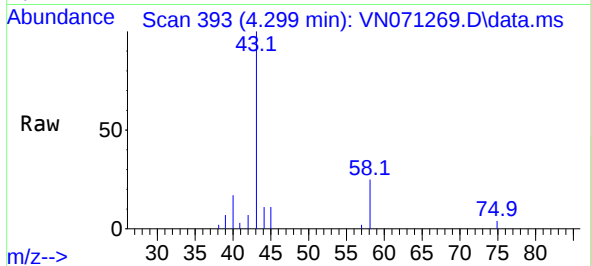




#16
Acetone
Concen: 6.745 ug/l
RT: 4.299 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

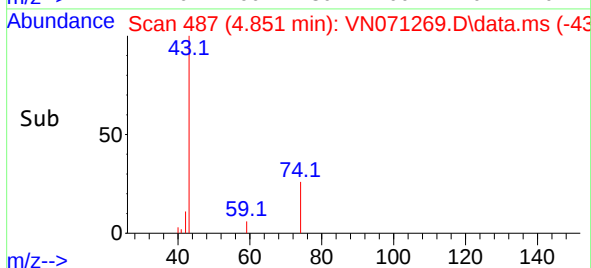
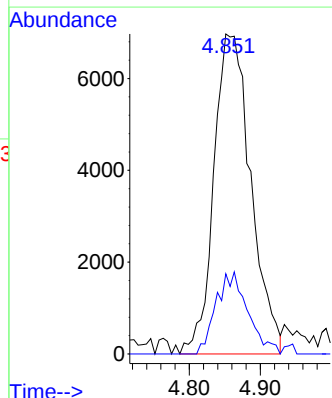
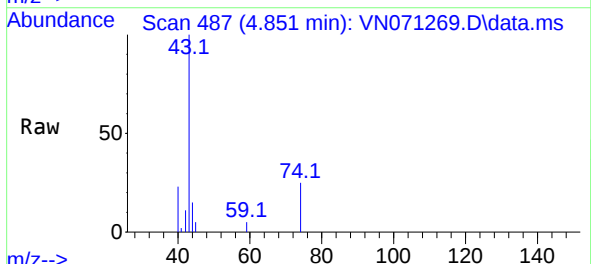
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

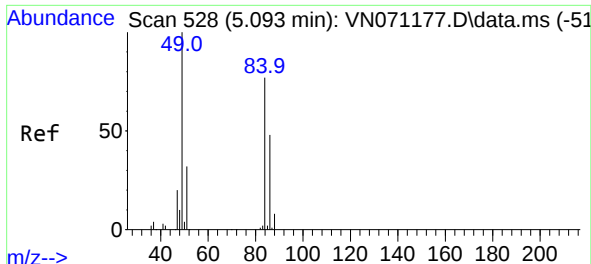
Tgt Ion: 43 Resp: 35421
Ion Ratio Lower Upper
43 100
58 24.8 23.1 34.7



#18
Methyl Acetate
Concen: 2.241 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

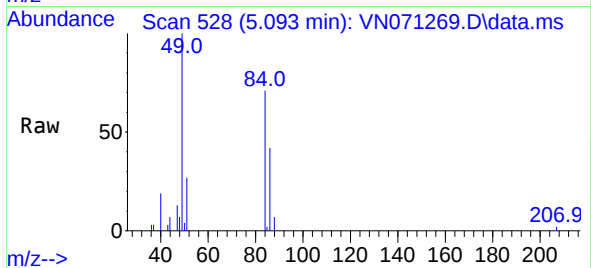
Tgt Ion: 43 Resp: 25219
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.2



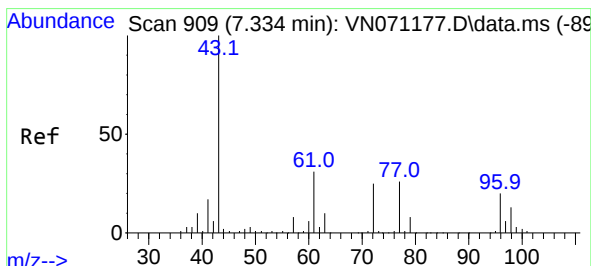
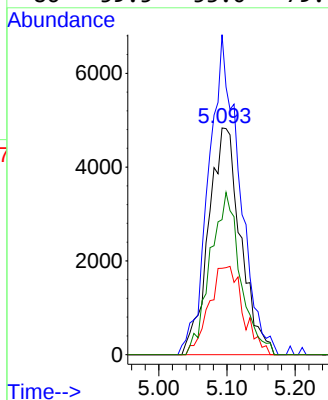
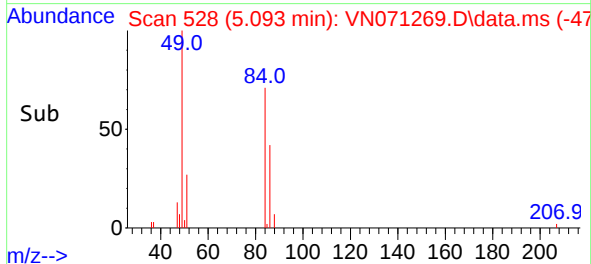


#20
Methylene Chloride
Concen: 2.021 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

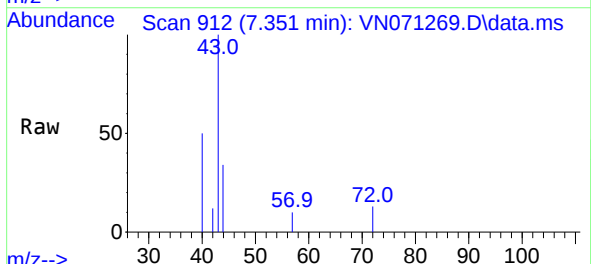
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01



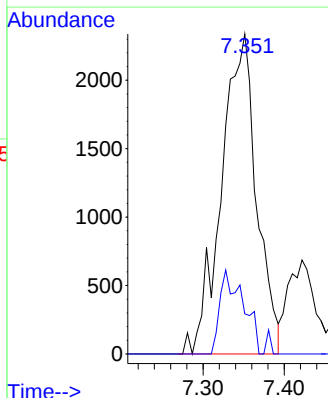
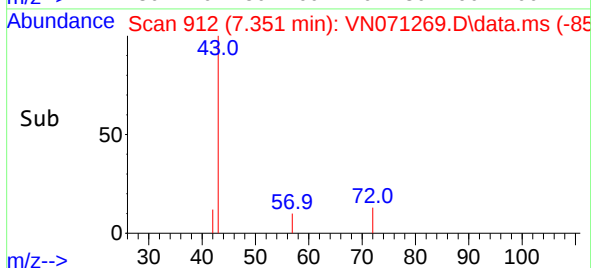
Tgt Ion: 84 Resp: 15850
Ion Ratio Lower Upper
84 100
49 141.2 93.5 140.3#
51 38.1 29.4 44.2
86 59.5 53.0 79.4

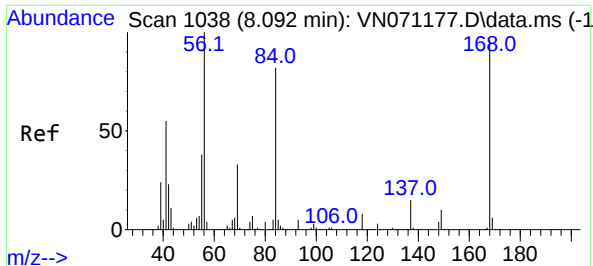


#25
2-Butanone
Concen: 0.831 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.018 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26



Tgt Ion: 43 Resp: 7027
Ion Ratio Lower Upper
43 100
72 12.6 21.7 32.5#





#31

Cyclohexane

Concen: 0.960 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071269.D

Acq: 14 Mar 2022 16:26

Instrument :

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ClientSampleId :

PB143286ZHE#01

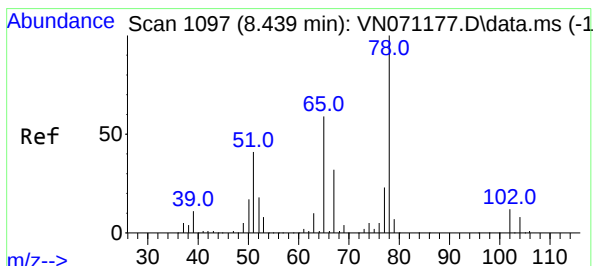
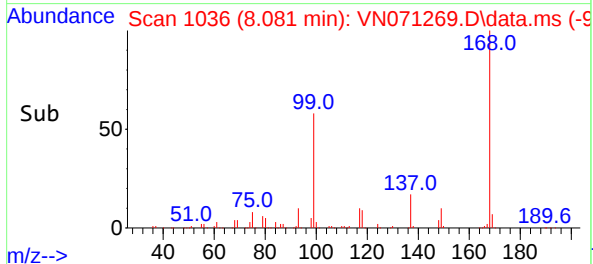
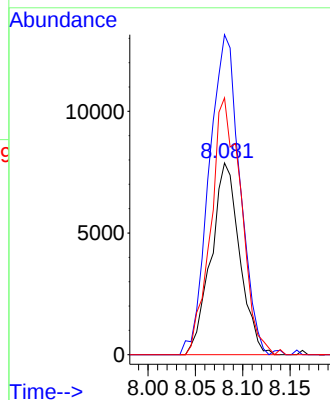
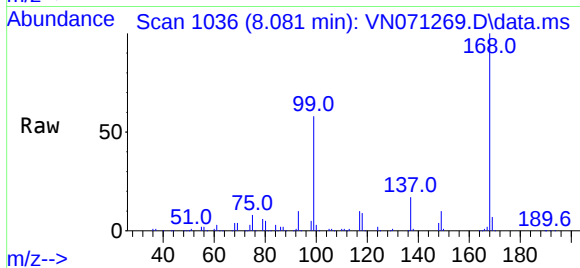
Tgt Ion: 56 Resp: 16550

Ion Ratio Lower Upper

56 100

69 167.0 27.1 40.7#

84 134.0 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 45.967 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071269.D

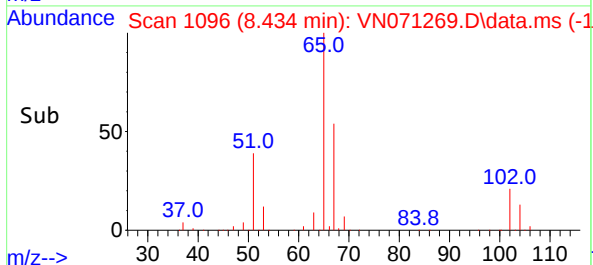
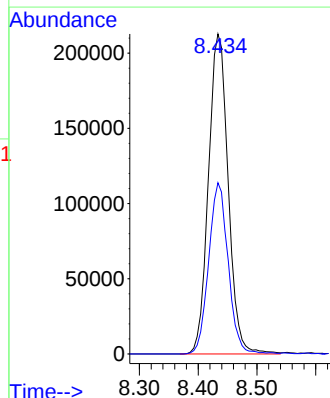
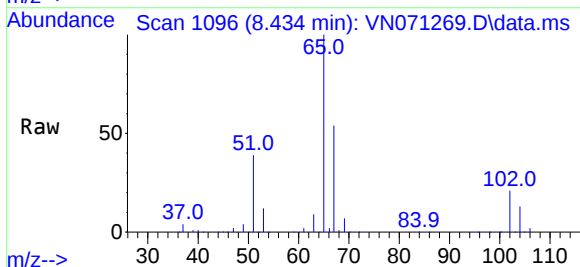
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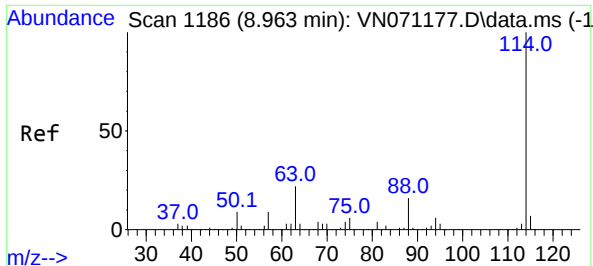
Tgt Ion: 65 Resp: 496085

Ion Ratio Lower Upper

65 100

67 52.9 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: VN071269.D

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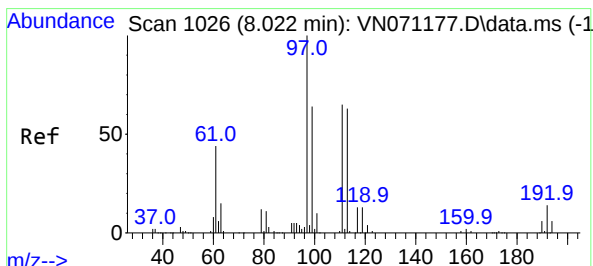
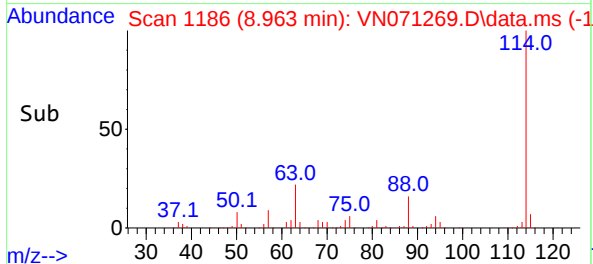
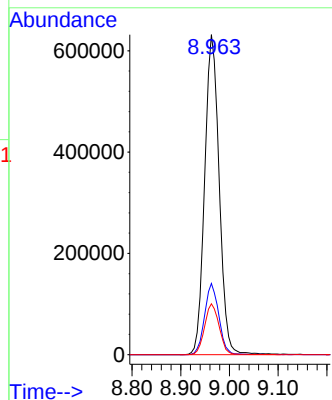
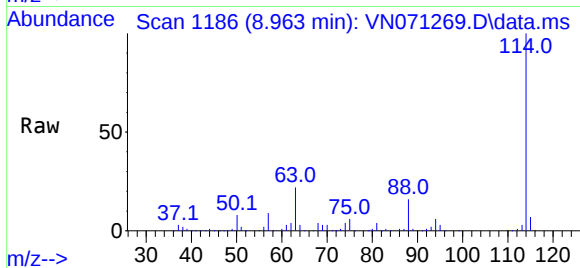
Tgt Ion:114 Resp: 1305396

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.8

88 15.9 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.338 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071269.D

Acq: 14 Mar 2022 16:26

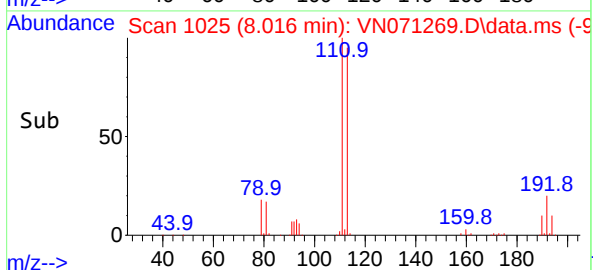
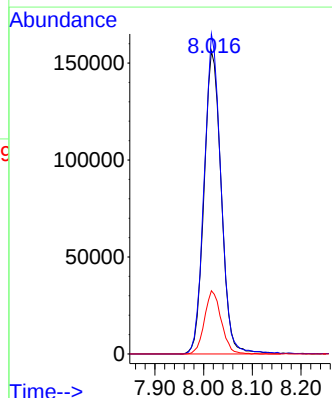
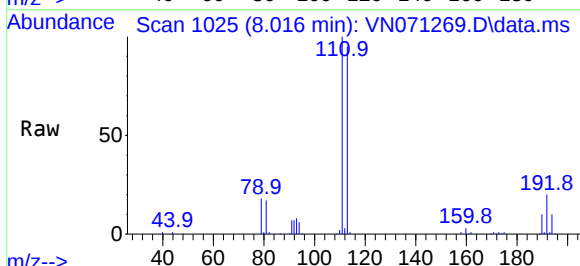
Tgt Ion:113 Resp: 381709

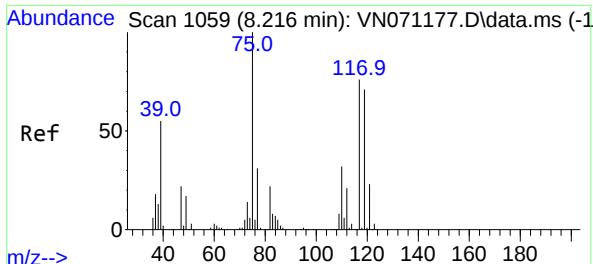
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.685 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071269.D

Acq: 14 Mar 2022 16:26

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#01

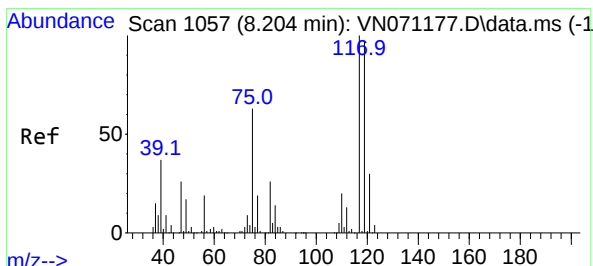
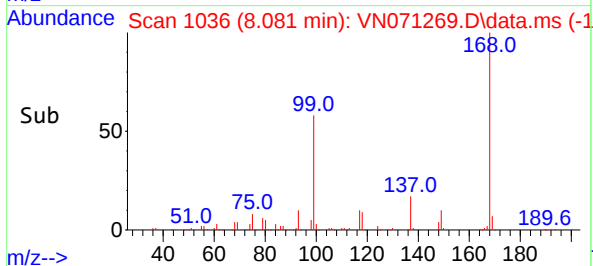
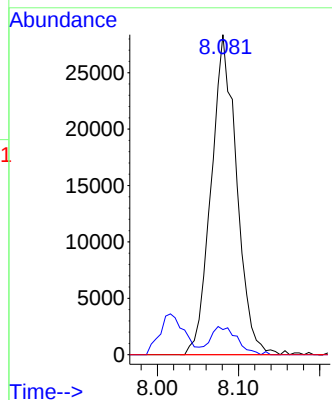
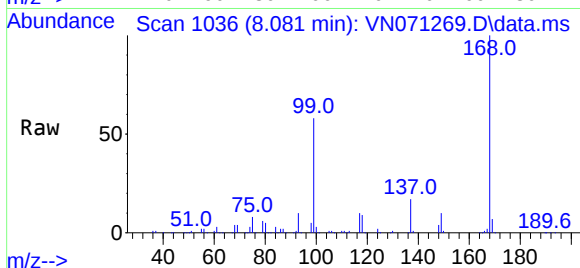
Tgt Ion: 75 Resp: 61835

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.065 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071269.D

Acq: 14 Mar 2022 16:26

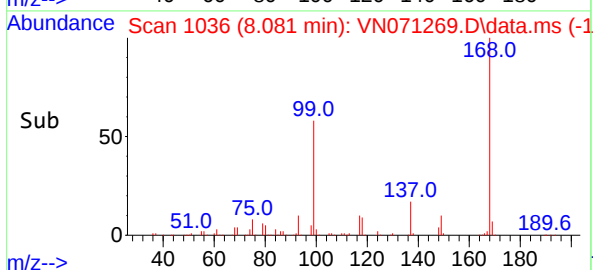
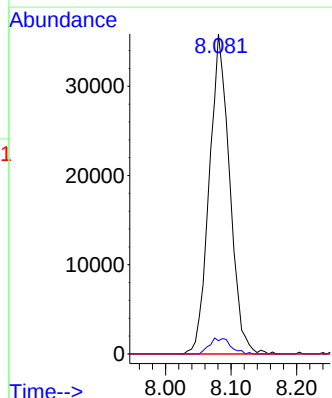
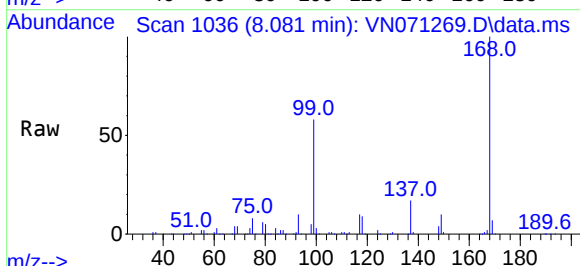
Tgt Ion: 117 Resp: 77421

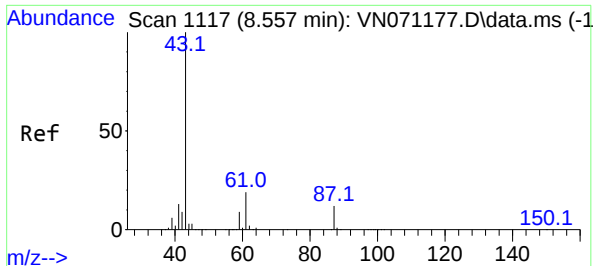
Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

121 0.0 24.2 36.2#

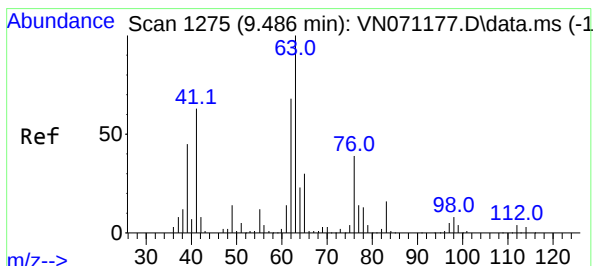
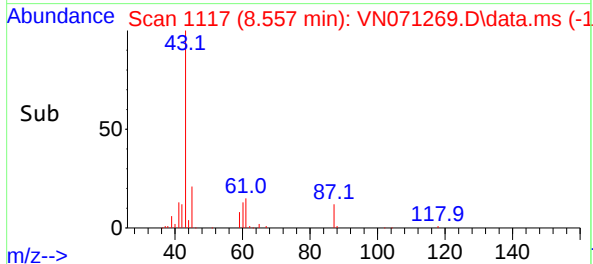
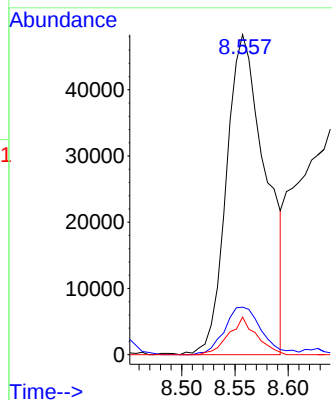
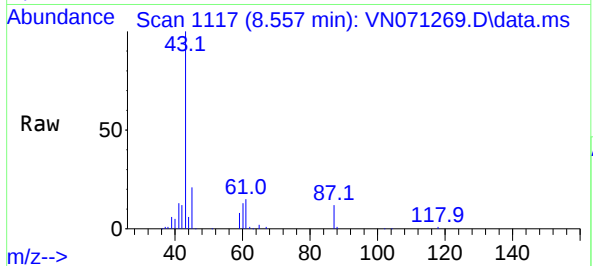




#43
Isopropyl Acetate
Concen: 4.564 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

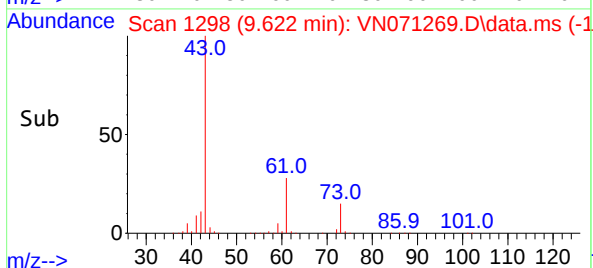
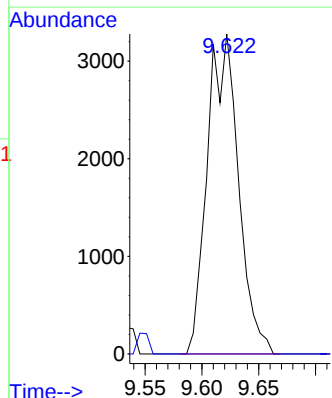
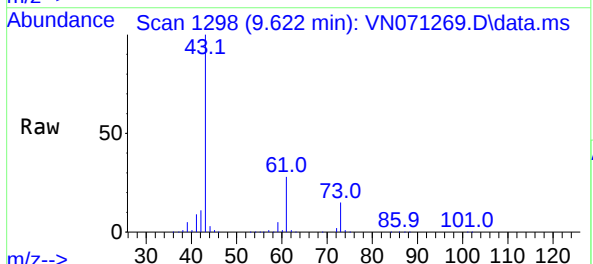
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

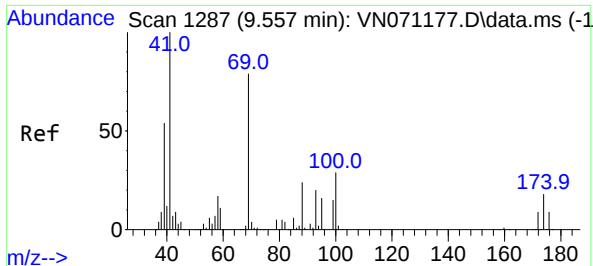
Tgt Ion: 43 Resp: 123982
Ion Ratio Lower Upper
43 100
61 14.1 20.4 30.6#
87 8.3 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.586 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 63 Resp: 6251
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

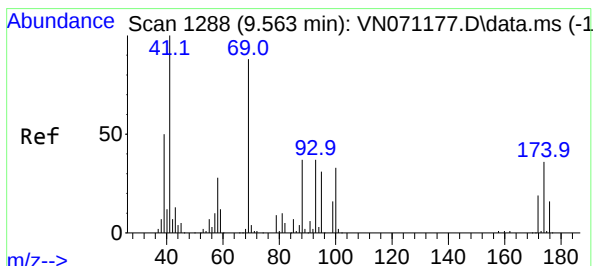
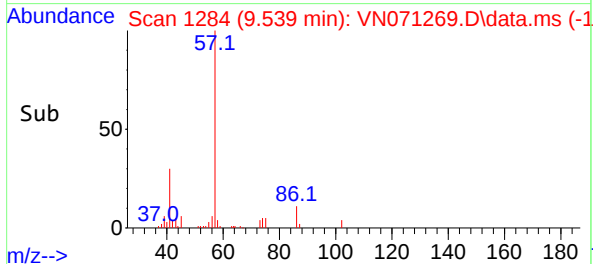
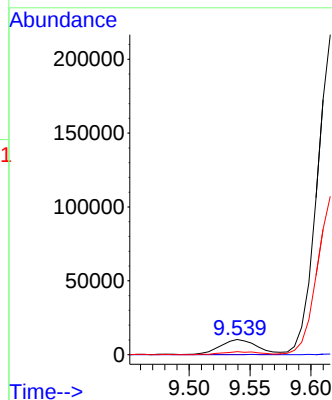
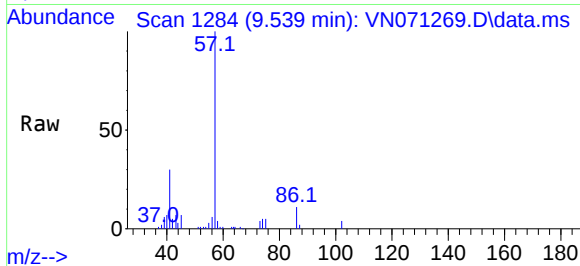




#48
Methyl methacrylate
Concen: 1.692 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

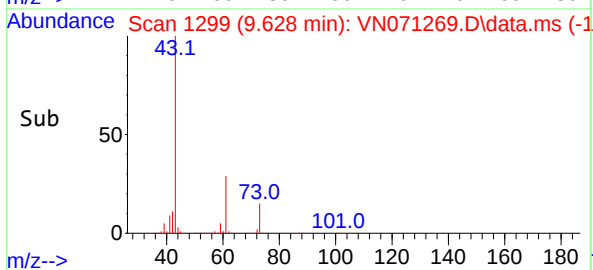
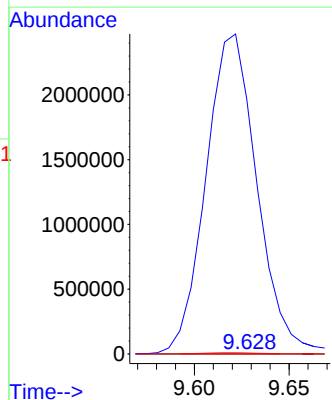
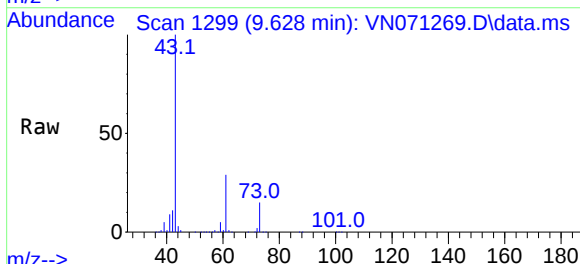
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

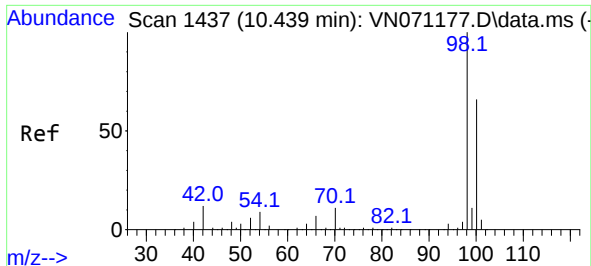
Tgt Ion: 41 Resp: 21301
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.542 ug/l
RT: 9.628 min Scan# 1299
Delta R.T. 0.065 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 88 Resp: 775
Ion Ratio Lower Upper
88 100
43 609127.0 23.4 35.2#
58 2392.0 50.6 75.8#

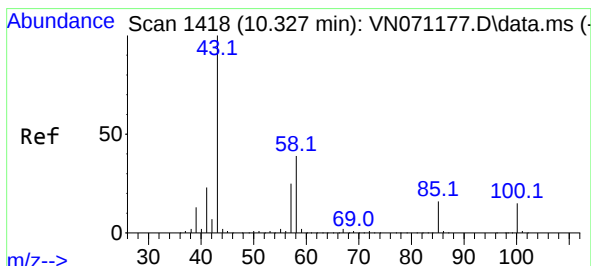
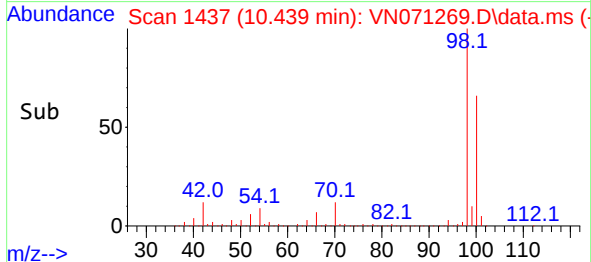
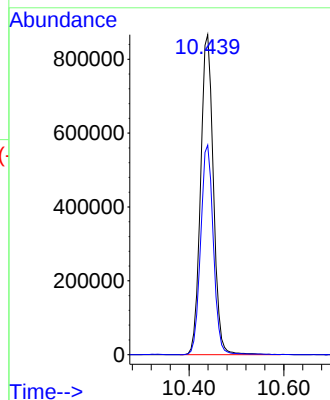
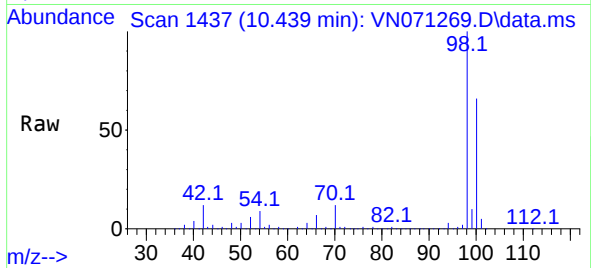




#50
Toluene-d8
Concen: 48.933 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

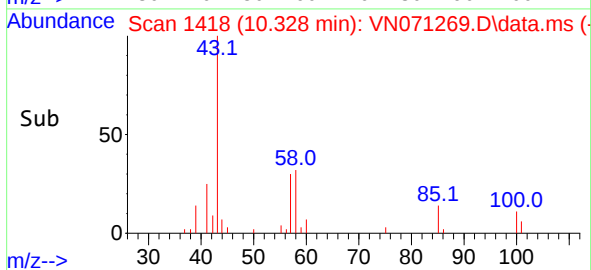
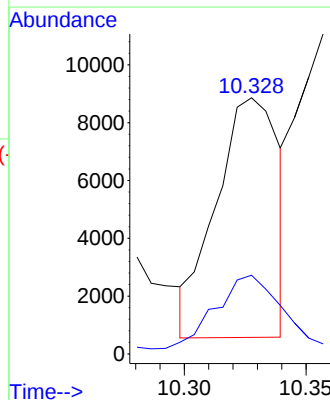
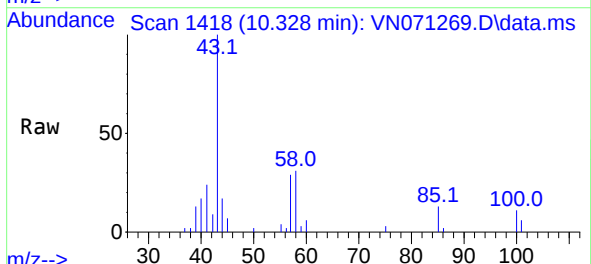
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

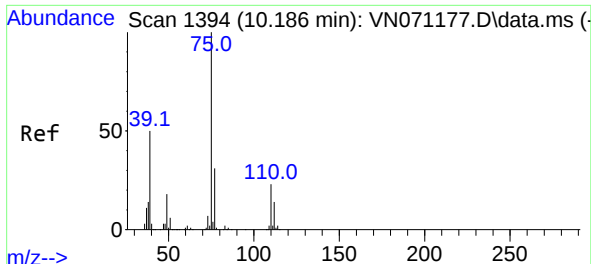
Tgt Ion: 98 Resp: 1622959
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.880 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 43 Resp: 14835
Ion Ratio Lower Upper
43 100
58 37.6 30.4 45.6

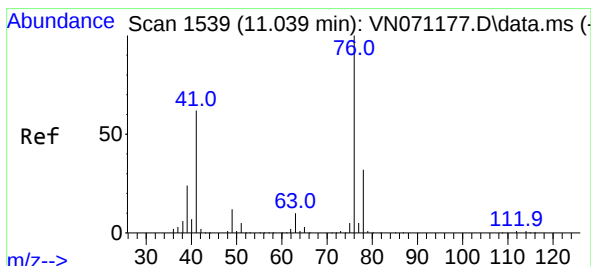
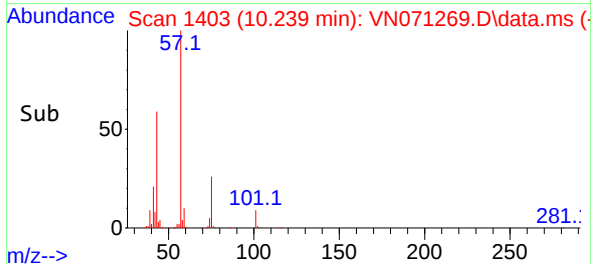
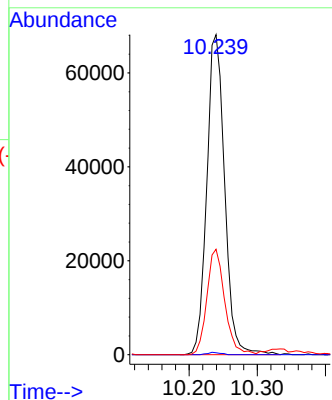
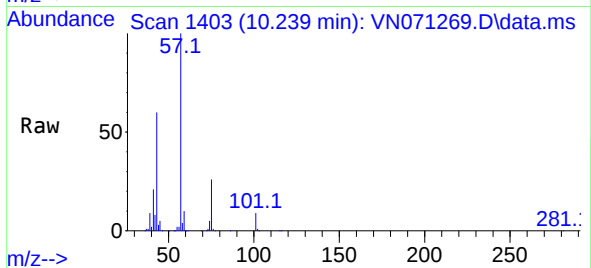




#54
cis-1,3-Dichloropropene
Concen: 7.759 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

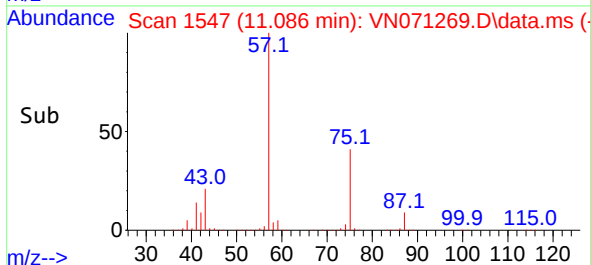
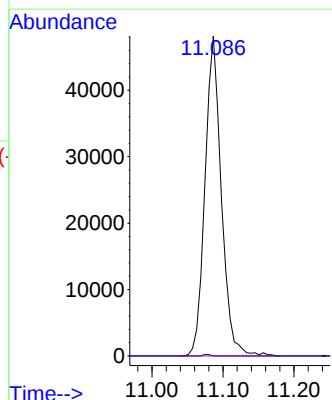
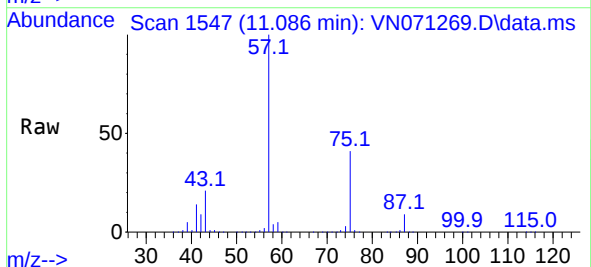
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

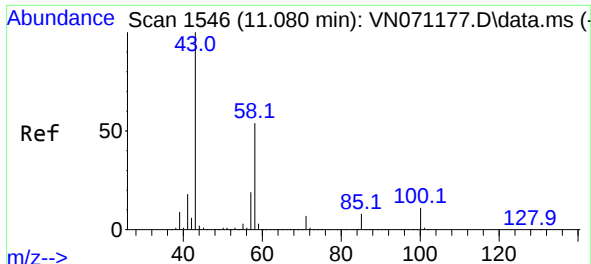
Tgt Ion: 75 Resp: 124094
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 32.9 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.384 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 76 Resp: 77208
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

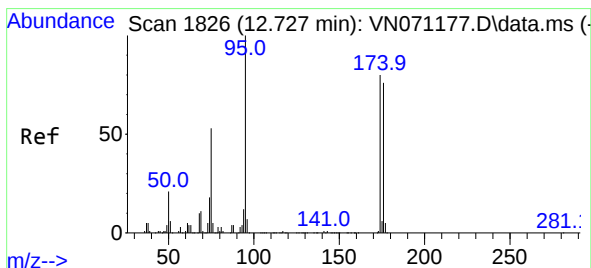
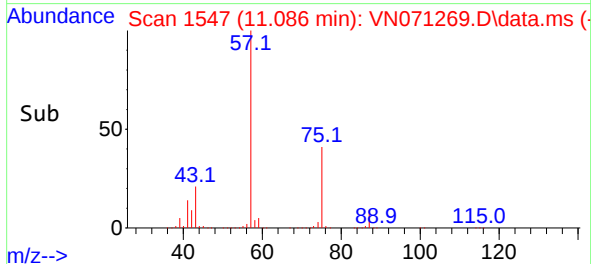
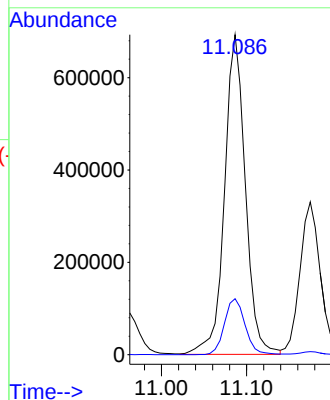
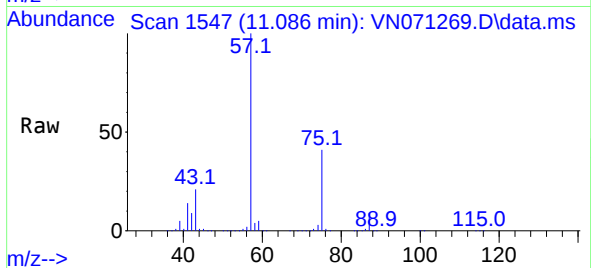




#59
2-Hexanone
Concen: 102.393 ug/l
RT: 11.086 min Scan# 1177719
Delta R.T. 0.006 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

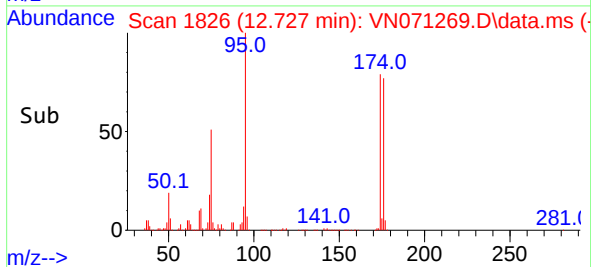
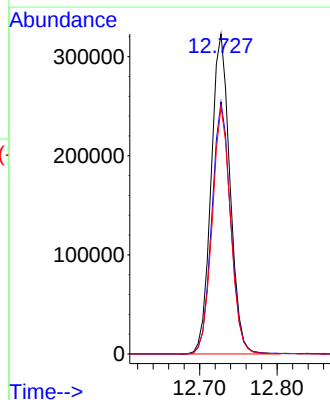
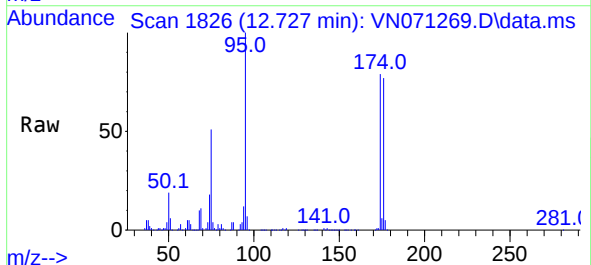
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

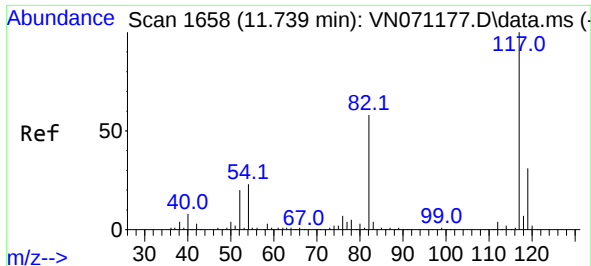
Tgt Ion: 43 Resp: 1177719
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.481 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 95 Resp: 544492
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 75.4 0.0 181.4

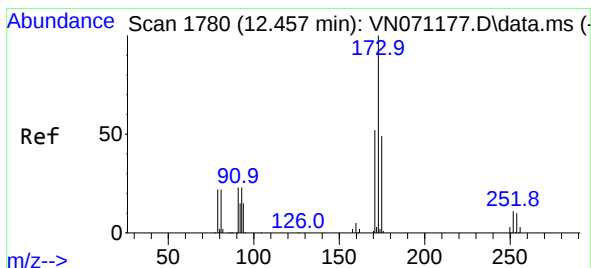
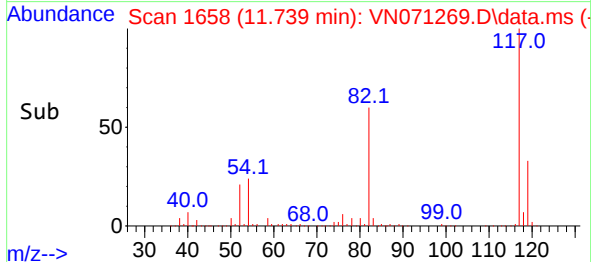
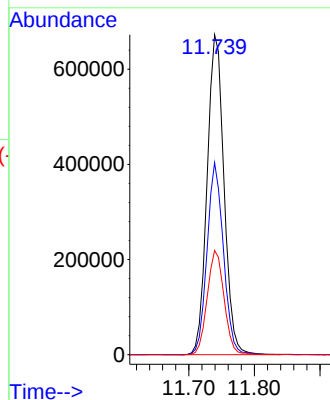
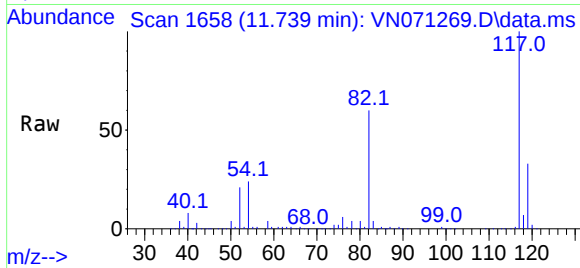




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

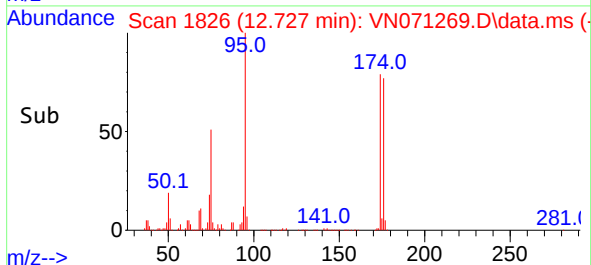
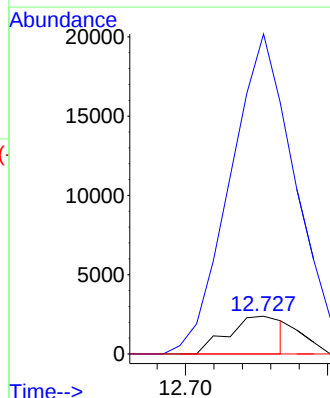
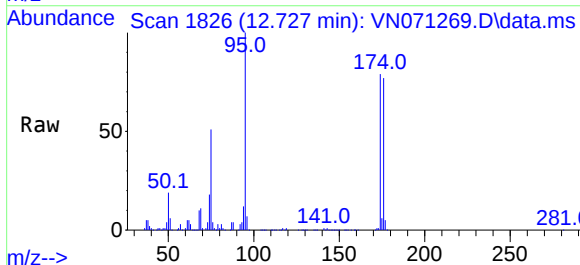
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

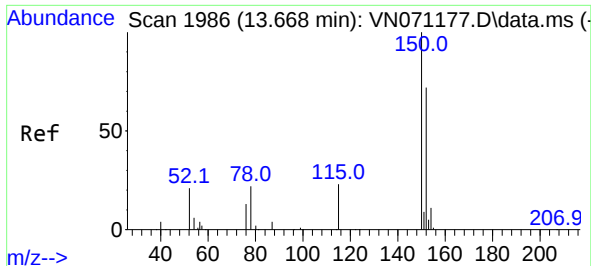
Tgt Ion:117 Resp: 1206535
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.6 25.4 38.2



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion:173 Resp: 3168
Ion Ratio Lower Upper
173 100
175 801.0 24.2 72.6#
254 0.0 0.0 0.0

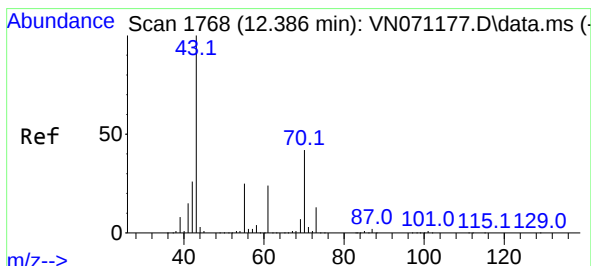
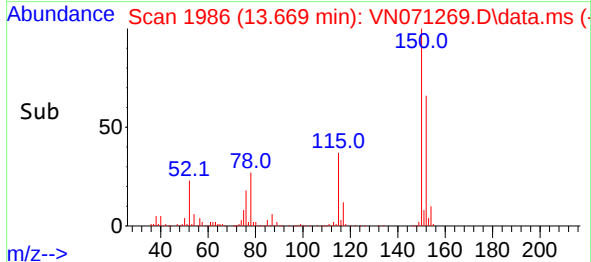
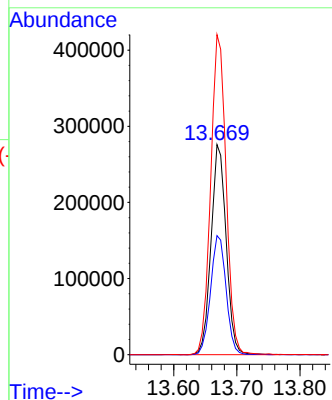
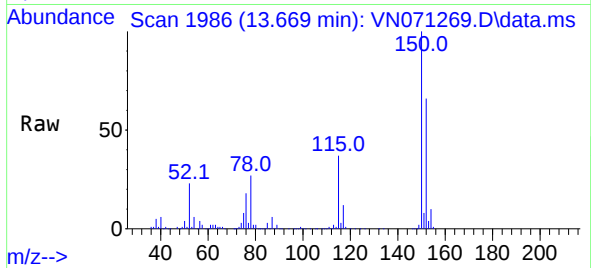




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

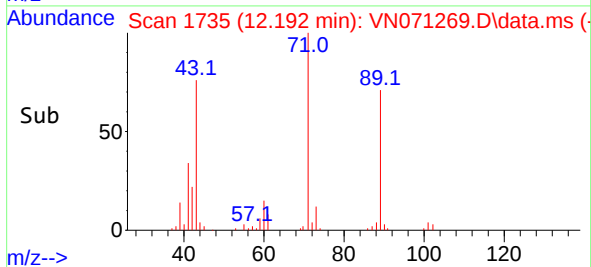
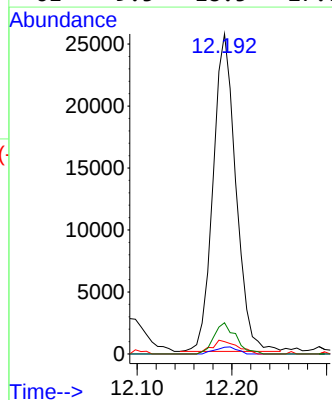
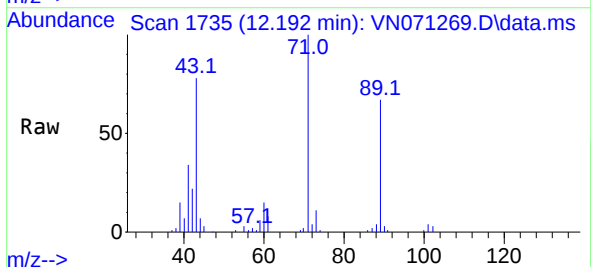
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

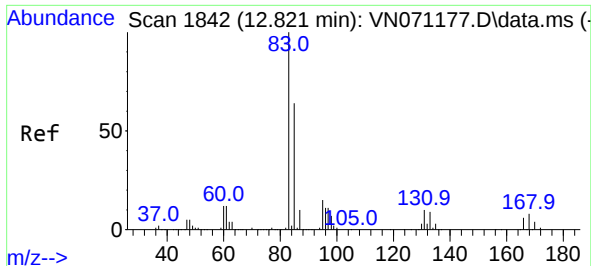
Tgt Ion:152 Resp: 457399
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 156.0 0.0 344.4



#74
N-ethyl acetate
Concen: 2.575 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.194 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 43 Resp: 42690
Ion Ratio Lower Upper
43 100
70 2.1 33.4 50.0#
55 4.9 19.3 28.9#
61 9.5 18.5 27.7#

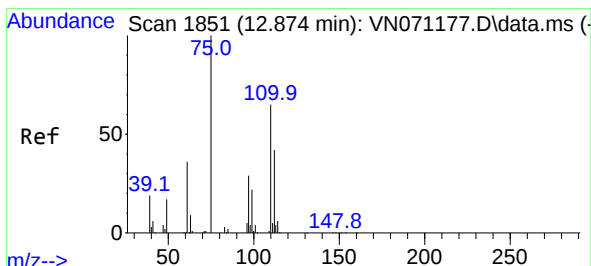
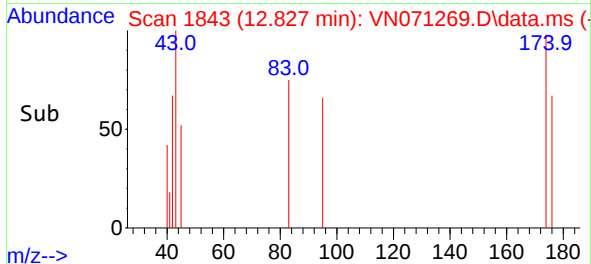
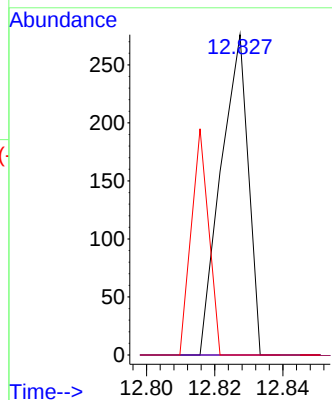
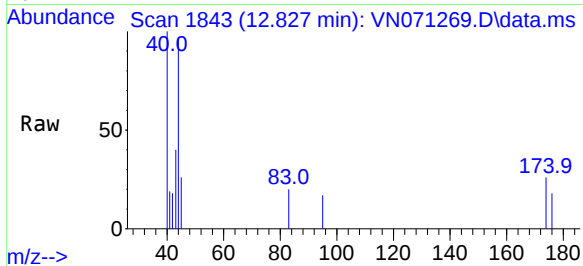




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1843
Delta R.T. 0.006 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

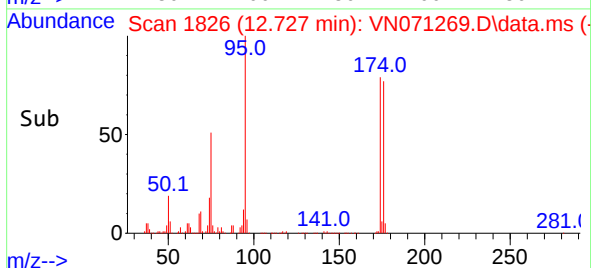
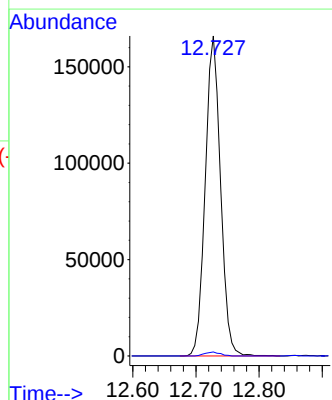
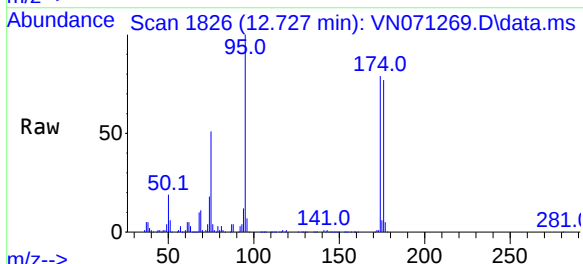
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

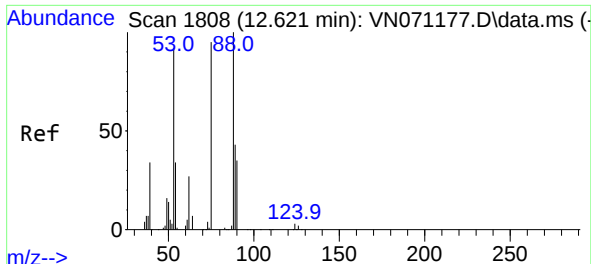
Tgt Ion: 83 Resp: 153
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 45.1 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 23.683 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion: 75 Resp: 279015
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

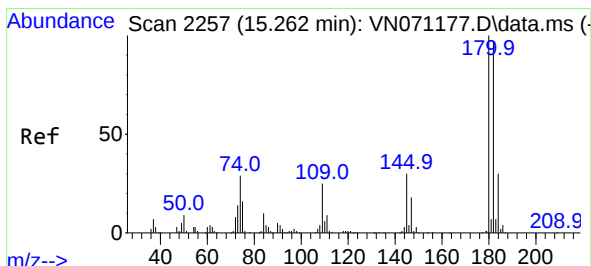
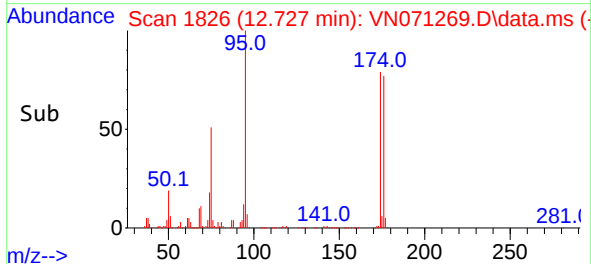
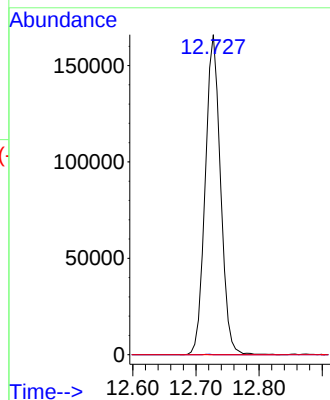
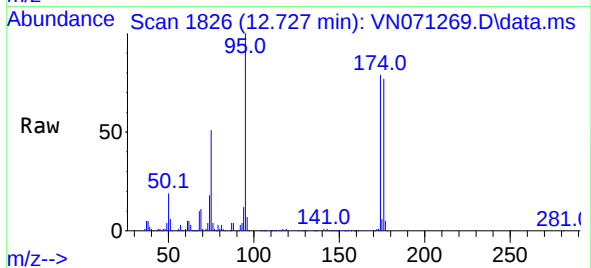




#81
trans-1,4-Dichloro-2-butene
Concen: 65.941 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

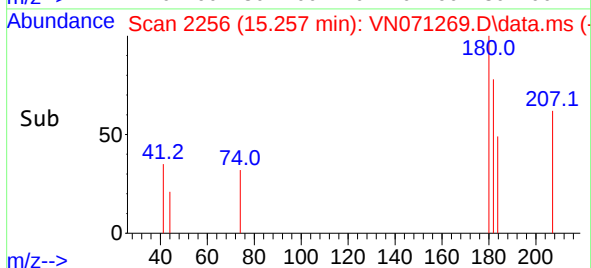
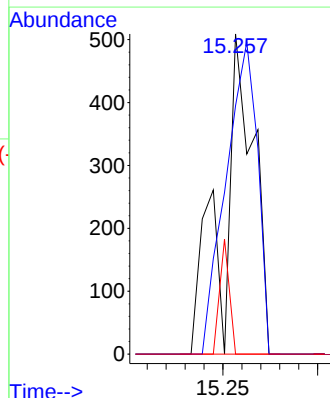
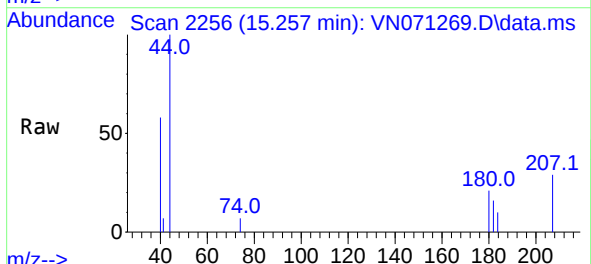
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

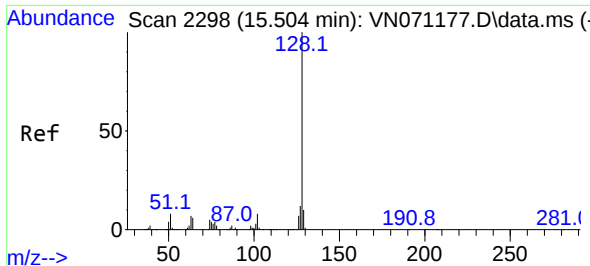
Tgt Ion: 75 Resp: 279015
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.063 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion:180 Resp: 586
Ion Ratio Lower Upper
180 100
182 98.0 48.3 144.9
145 11.1 14.5 43.5#

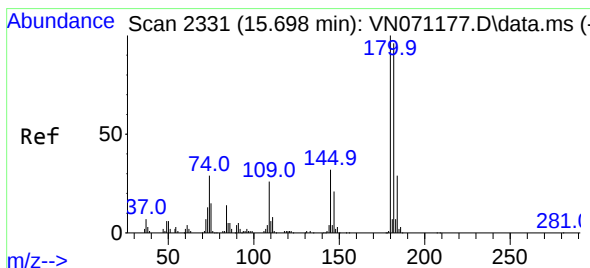
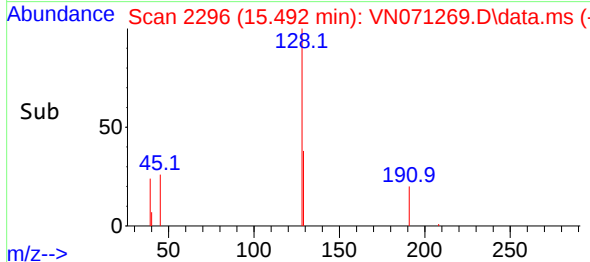
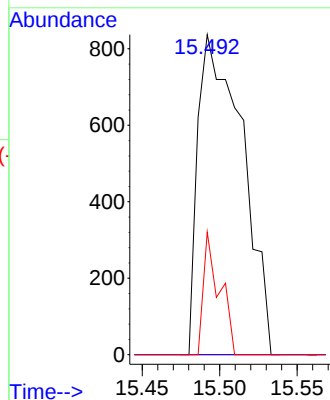
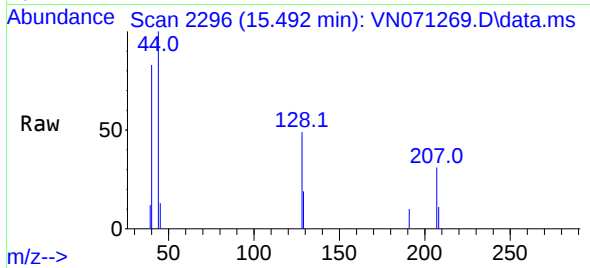




#95
Naphthalene
Concen: 5.139 ug/l
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#01

Tgt Ion:128 Resp: 1659
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 14.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.816 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071269.D
Acq: 14 Mar 2022 16:26

Tgt Ion:180 Resp: 641
Ion Ratio Lower Upper
180 100
182 86.7 47.4 142.2
145 9.5 15.0 45.1#

