

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071275.D
 Acq On : 14 Mar 2022 18:50
 Operator : JC\MD
 Sample : PB143286ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#07

Quant Time: Mar 15 02:54:44 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)

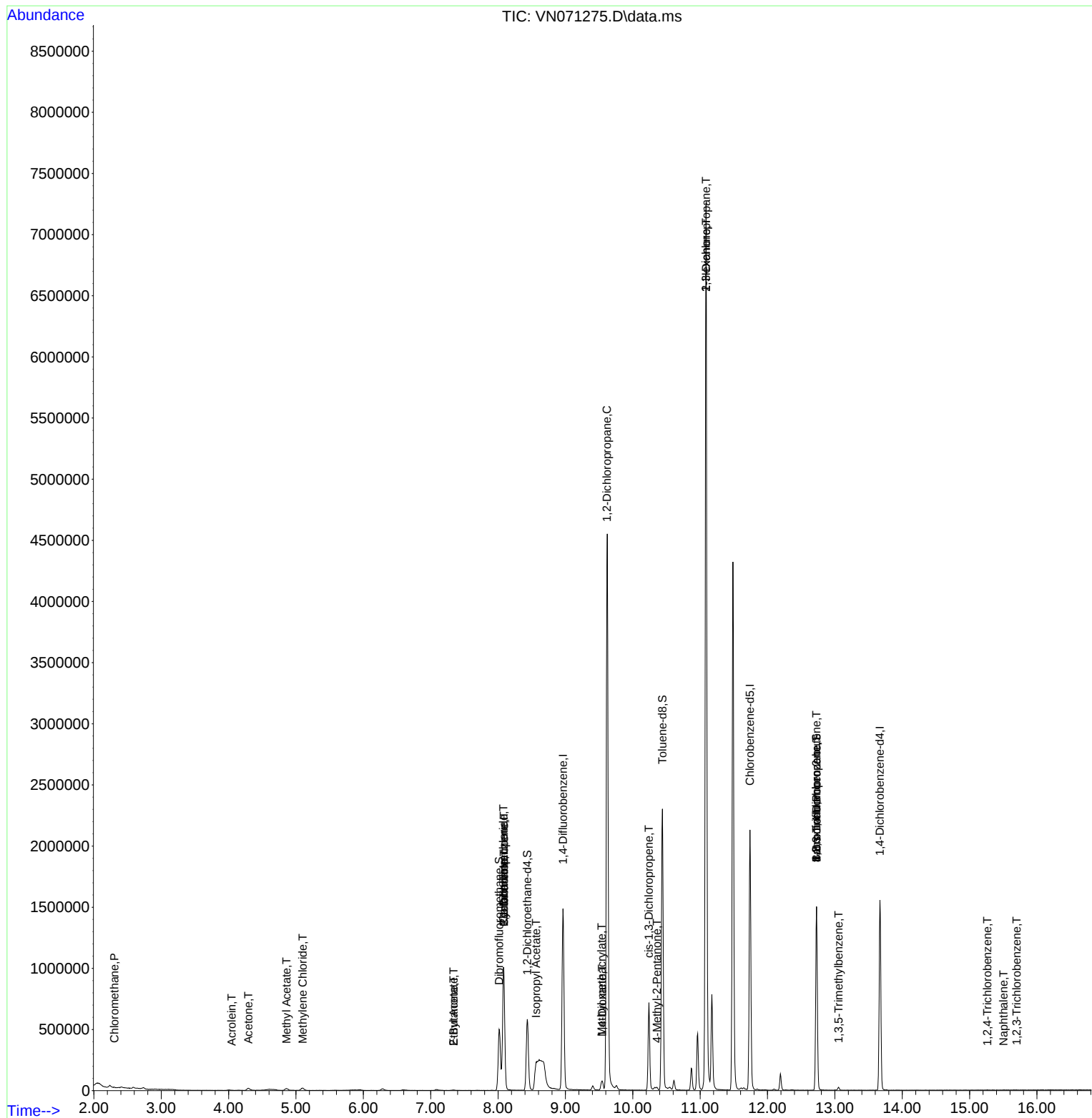
Internal Standards						
1) Pentafluorobenzene	8.086	168	759862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1284374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1192695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	430808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	485981	46.665	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.340%		
35) Dibromofluoromethane	8.016	113	377223	46.543	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.080%		
50) Toluene-d8	10.439	98	1600123	49.035	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.060%		
62) 4-Bromofluorobenzene	12.727	95	520510	47.104	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.200%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	2877	0.223	ug/l #	82
5) Bromomethane	2.834	94	62	Below Cal	#	3
13) Acrolein	4.046	56	520	0.240	ug/l #	55
16) Acetone	4.293	43	33825	6.675	ug/l	98
18) Methyl Acetate	4.857	43	34956	3.015	ug/l	96
20) Methylene Chloride	5.098	84	14935	1.982	ug/l #	83
25) 2-Butanone	7.339	43	6601	0.809	ug/l #	80
31) Cyclohexane	8.086	56	16400	0.986	ug/l #	3
36) 1,1-Dichloropropene	8.086	75	60295	4.643	ug/l #	49
37) Ethyl Acetate	7.339	43	6601	0.369	ug/l #	68
38) Carbon Tetrachloride	8.081	117	75739	6.030	ug/l #	17
43) Isopropyl Acetate	8.563	43	277192	10.372	ug/l #	68
45) 1,2-Dichloropropane	9.616	63	5241	0.499	ug/l #	44
48) Methyl methacrylate	9.539	41	21279	1.718	ug/l #	8
49) 1,4-Dioxane	9.545	88	80	0.372	ug/l #	1
51) 4-Methyl-2-Pentanone	10.357	43	33325	2.009	ug/l #	37
54) cis-1,3-Dichloropropene	10.239	75	120901	7.684	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	76360	4.407	ug/l #	43
59) 2-Hexanone	11.086	43	1173017	103.654	ug/l #	49
71) Bromoform	12.727	173	3159	0.443	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	401	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	266573	24.067	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	10845	0.336	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.727	75	266573	66.889	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	226	3.019	ug/l #	12
95) Naphthalene	15.504	128	715	5.100	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	70	2.742	ug/l #	26

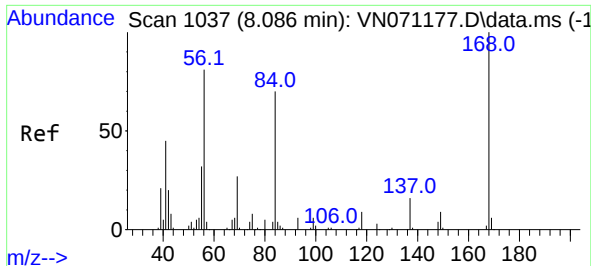
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
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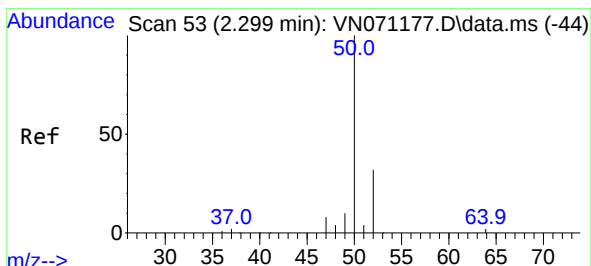
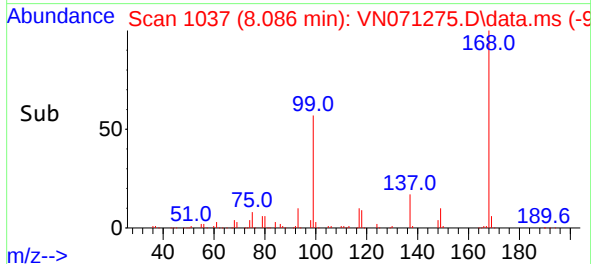
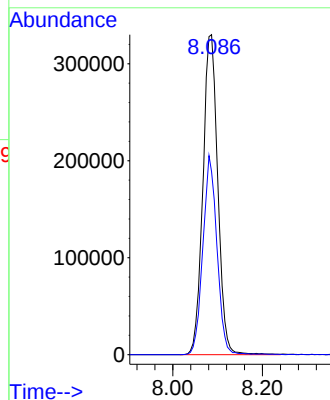
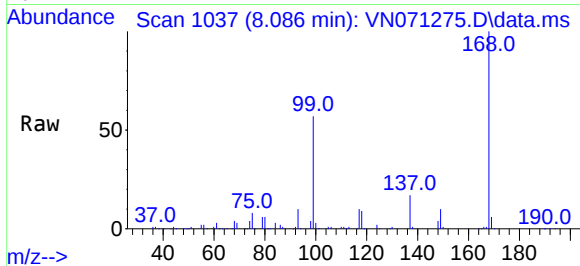




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

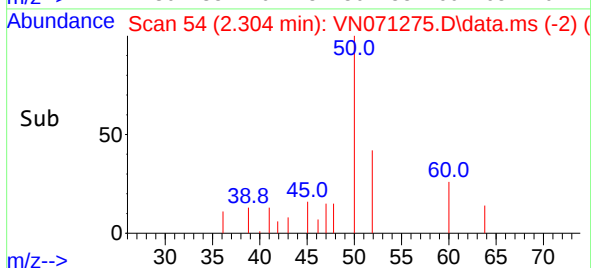
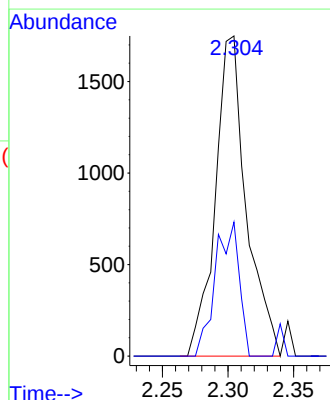
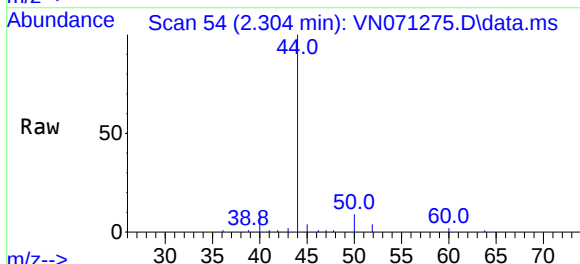
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

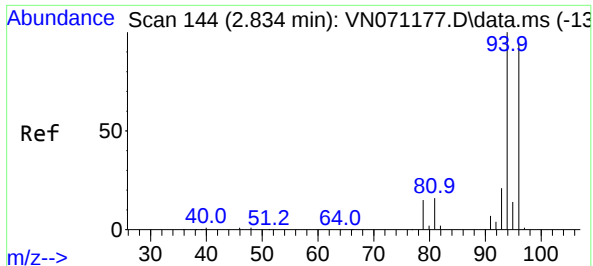
Tgt Ion:168 Resp: 759862
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#3
Chloromethane
Concen: 0.223 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 50 Resp: 2877
Ion Ratio Lower Upper
50 100
52 41.8 25.4 38.0#

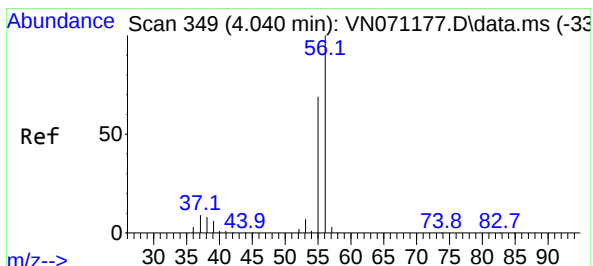
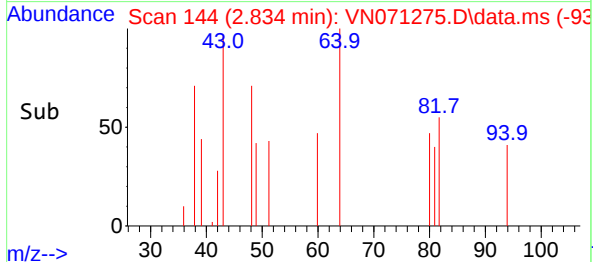
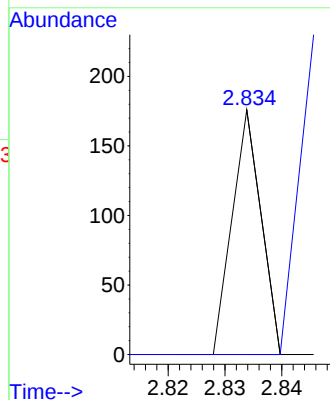
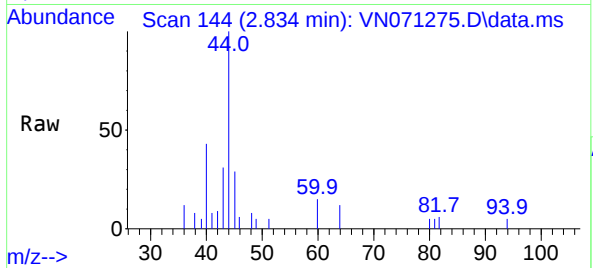




#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

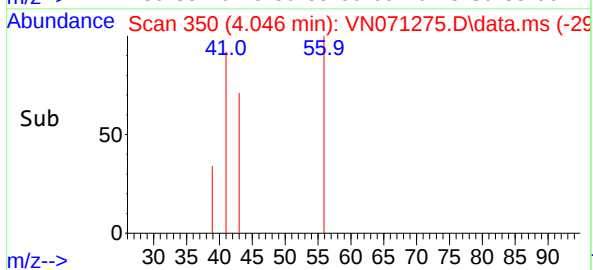
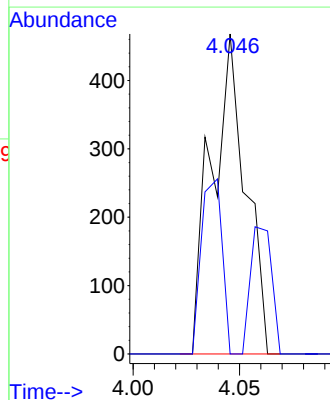
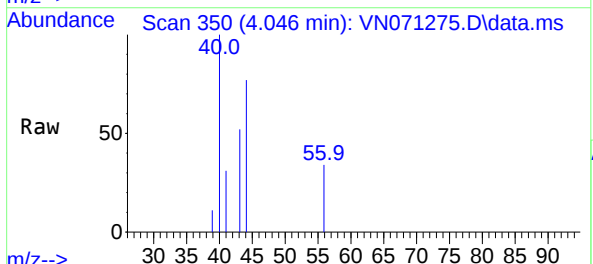
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

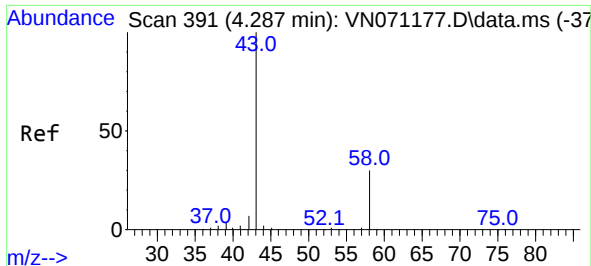
Tgt Ion: 94 Resp: 62
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#13
Acrolein
Concen: 0.240 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 33.5 56.6 85.0#

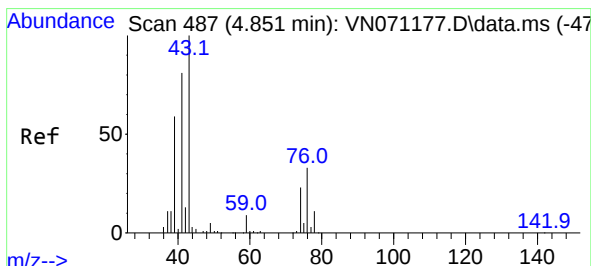
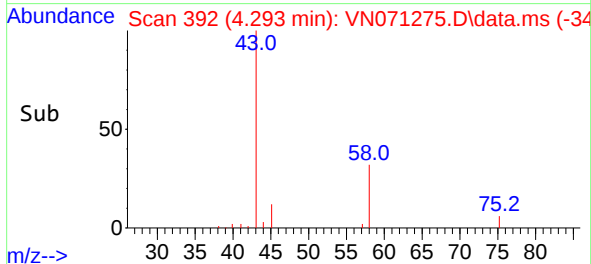
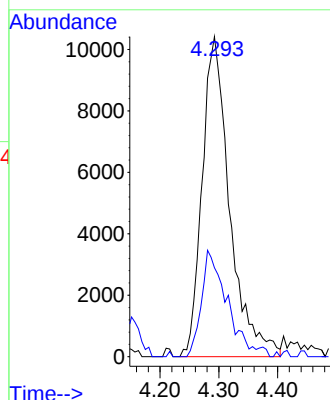
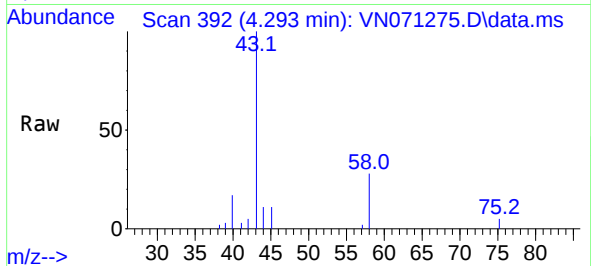




#16
Acetone
Concen: 6.675 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

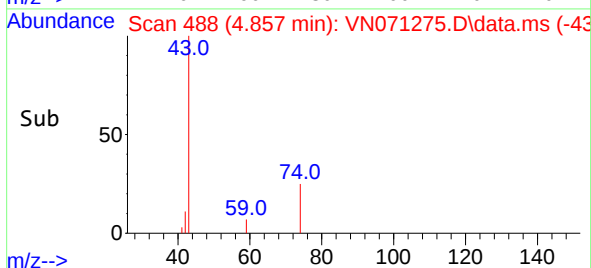
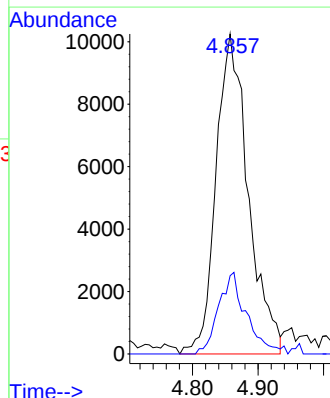
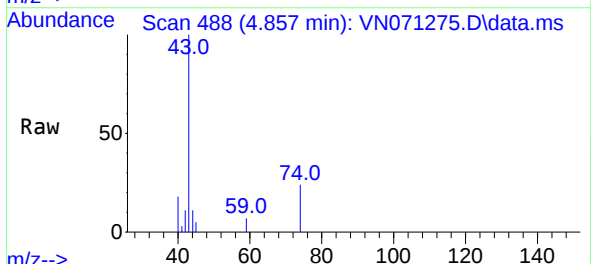
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

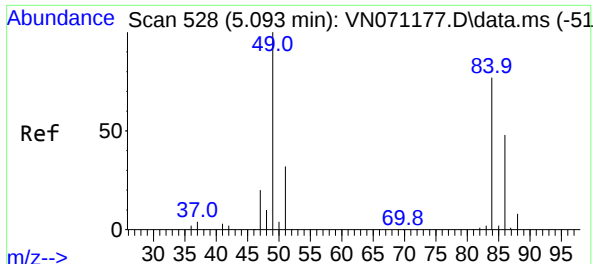
Tgt Ion: 43 Resp: 33825
Ion Ratio Lower Upper
43 100
58 27.8 23.1 34.7



#18
Methyl Acetate
Concen: 3.015 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 43 Resp: 34956
Ion Ratio Lower Upper
43 100
74 22.1 19.4 29.2





#20

Methylene Chloride

Concen: 1.982 ug/l

RT: 5.098 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#07

Tgt Ion: 84 Resp: 14935

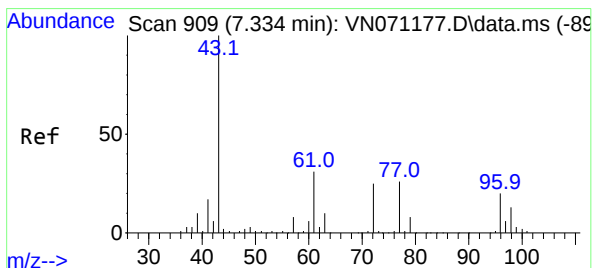
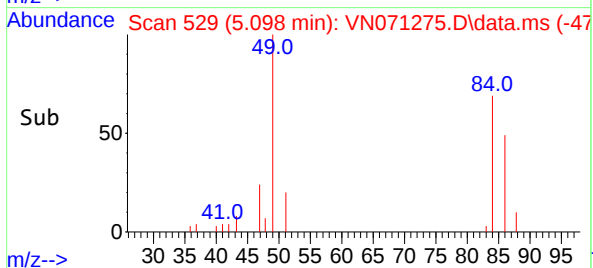
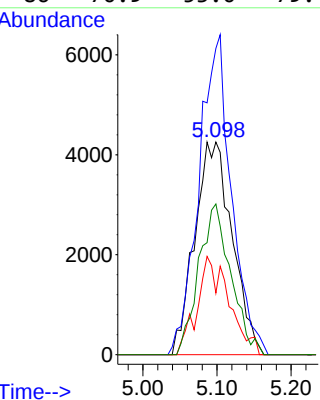
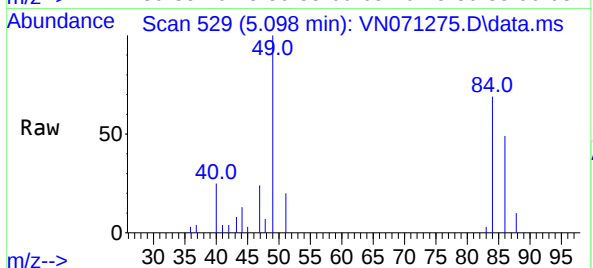
Ion Ratio Lower Upper

84 100

49 144.0 93.5 140.3#

51 29.0 29.4 44.2#

86 70.9 53.0 79.4



#25

2-Butanone

Concen: 0.809 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.006 min

Lab File: VN071275.D

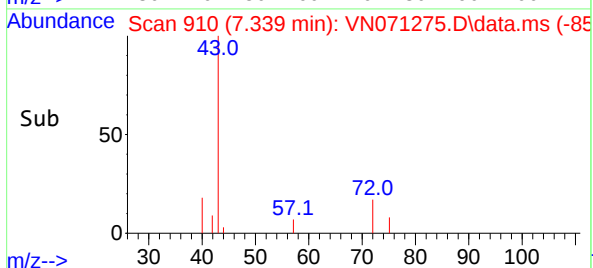
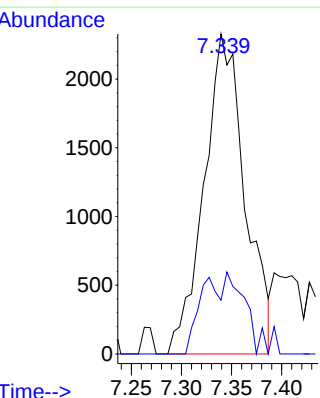
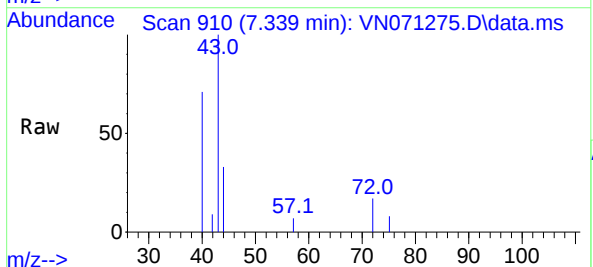
Acq: 14 Mar 2022 18:50

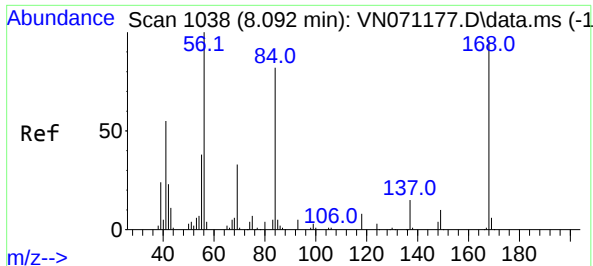
Tgt Ion: 43 Resp: 6601

Ion Ratio Lower Upper

43 100

72 16.8 21.7 32.5#

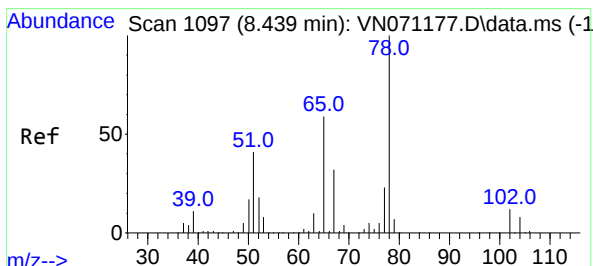
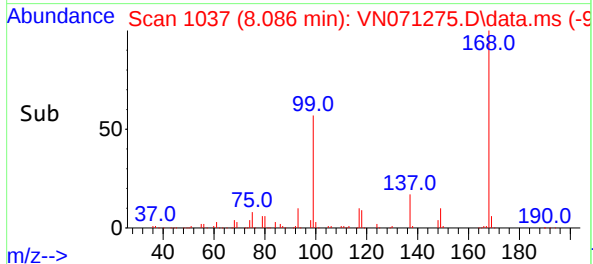
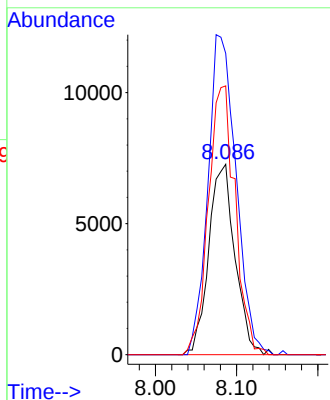
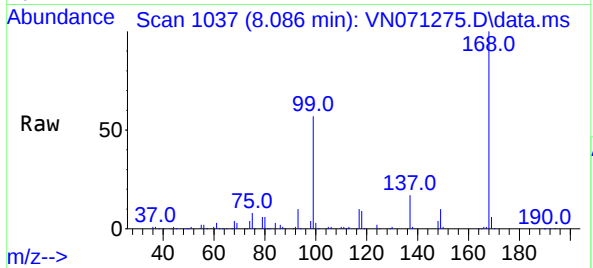




#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

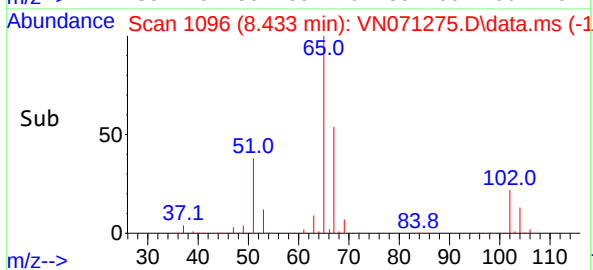
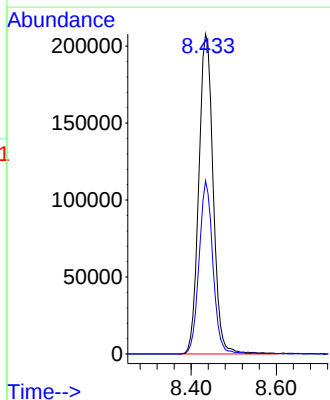
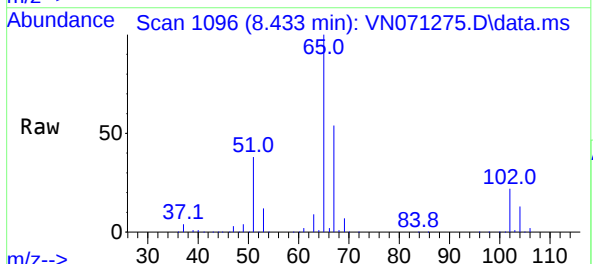
Instrument :
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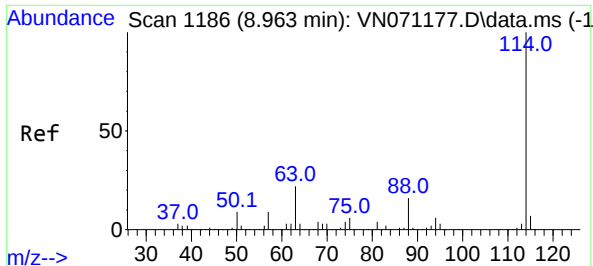
Tgt Ion: 56 Resp: 16400
Ion Ratio Lower Upper
56 100
69 158.2 27.1 40.7#
84 141.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.665 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 65 Resp: 485981
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#07

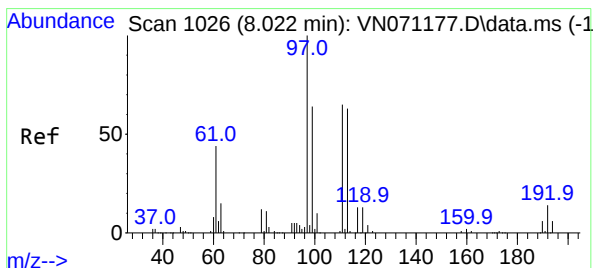
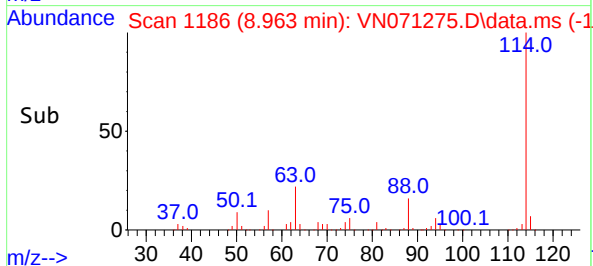
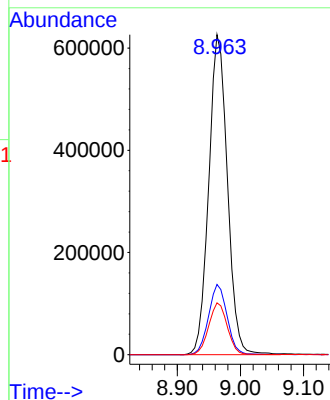
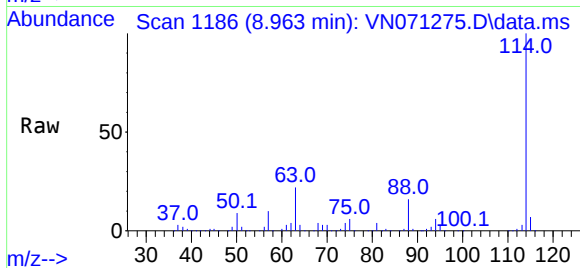
Tgt Ion:114 Resp: 1284374

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.543 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

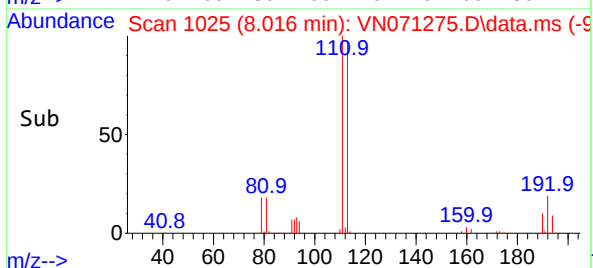
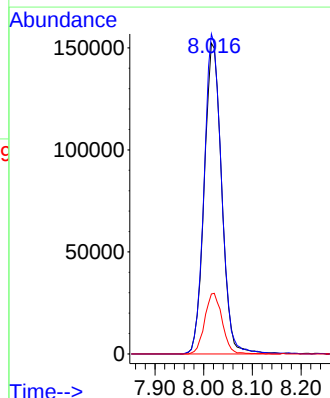
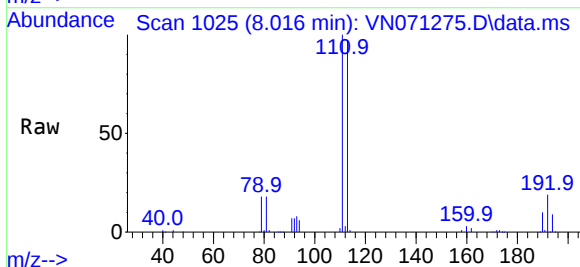
Tgt Ion:113 Resp: 377223

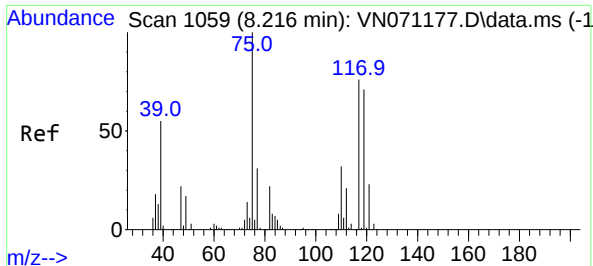
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 19.6 16.9 25.3

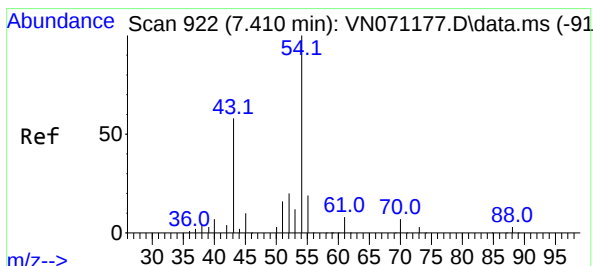
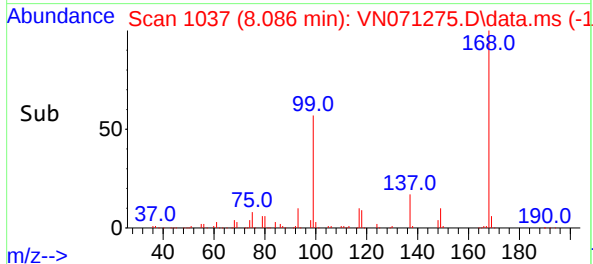
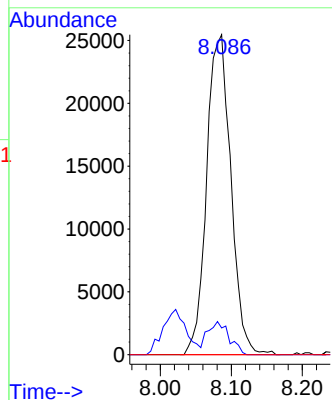
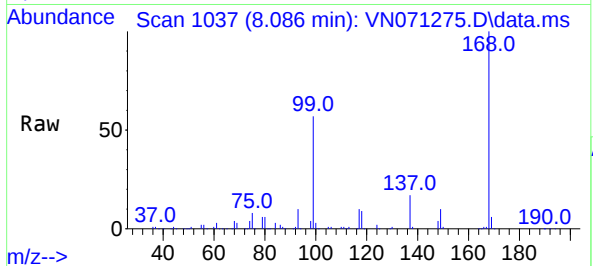




#36
1,1-Dichloropropene
Concen: 4.643 ug/l
RT: 8.086 min Scan# 11
Delta R.T. -0.129 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

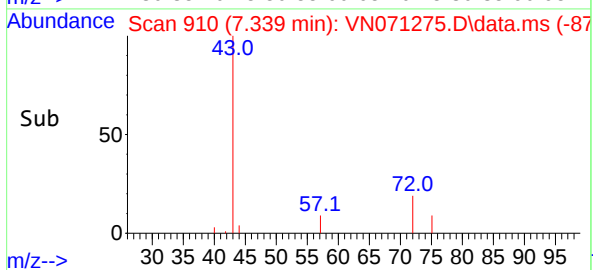
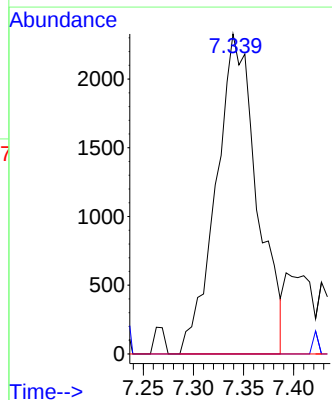
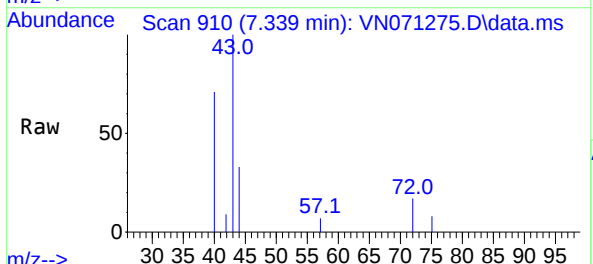
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

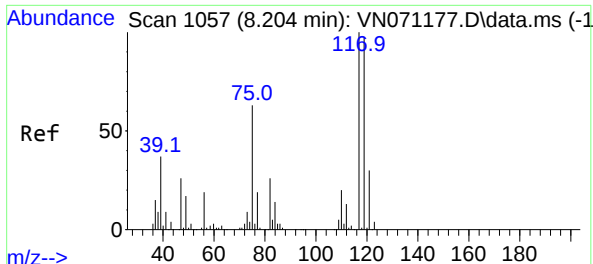
Tgt Ion: 75 Resp: 60295
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.369 ug/l
RT: 7.339 min Scan# 910
Delta R.T. -0.071 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

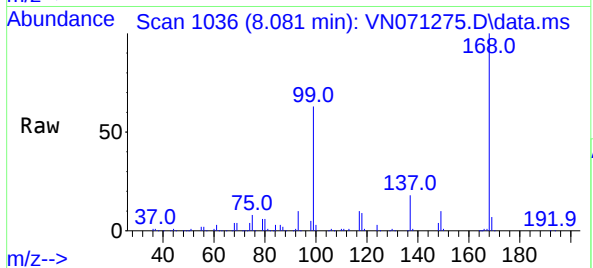
Tgt Ion: 43 Resp: 6601
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



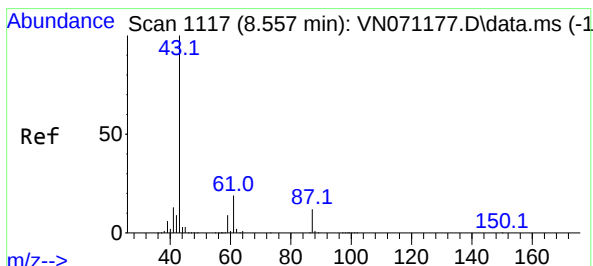
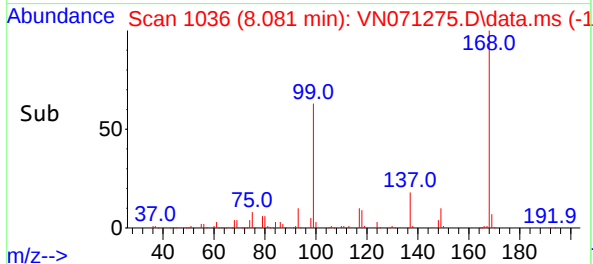
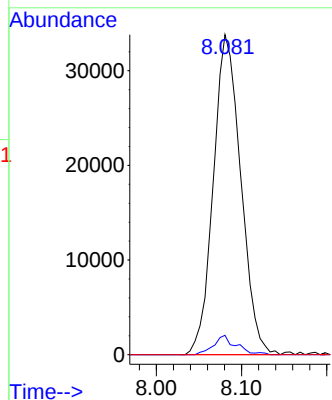


#38
Carbon Tetrachloride
Concen: 6.030 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

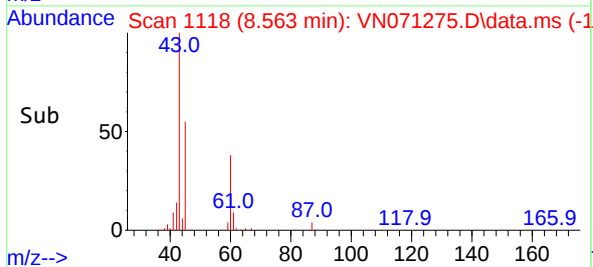
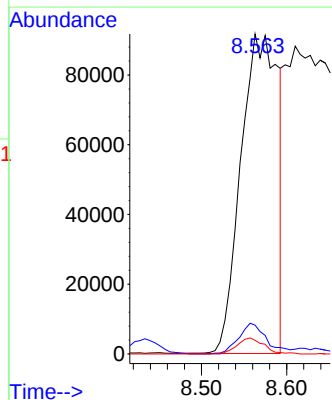
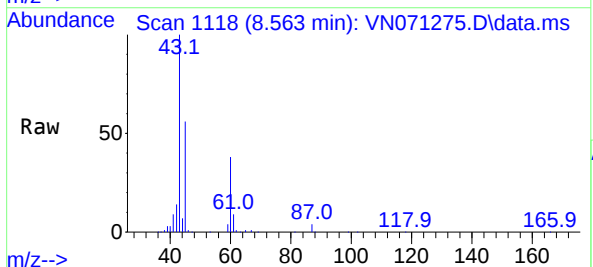


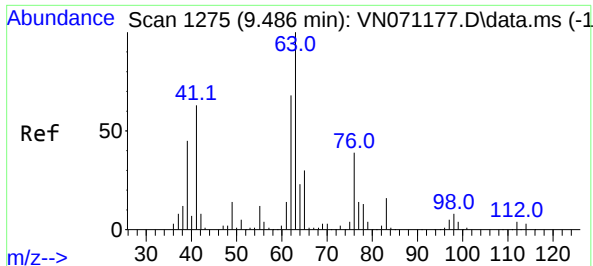
Tgt Ion:117 Resp: 75739
Ion Ratio Lower Upper
117 100
119 6.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 10.372 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 43 Resp: 277192
Ion Ratio Lower Upper
43 100
61 7.2 20.4 30.6#
87 3.6 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.499 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

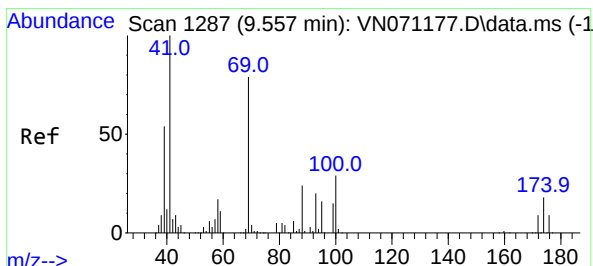
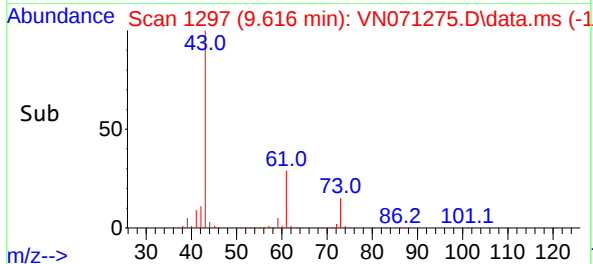
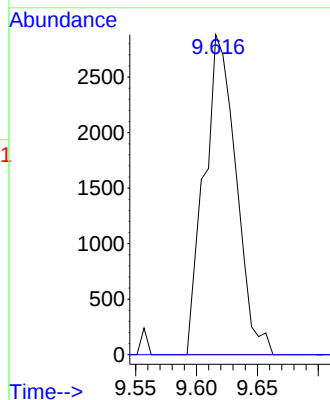
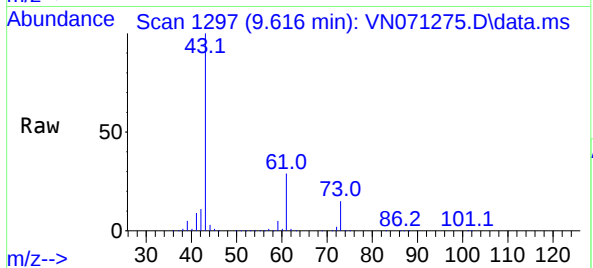
PB143286ZHE#07

Tgt Ion: 63 Resp: 5241

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.718 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

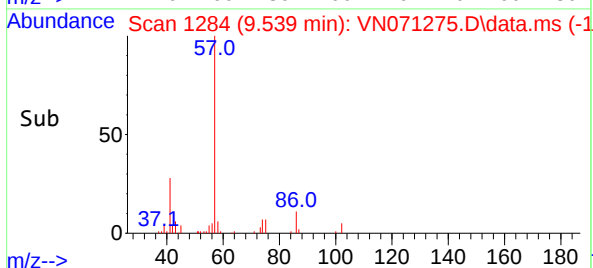
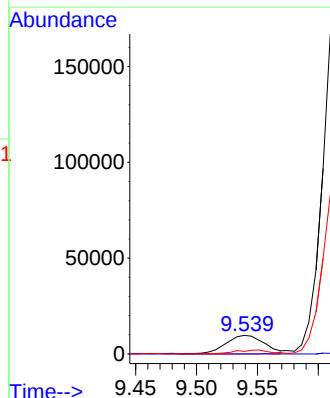
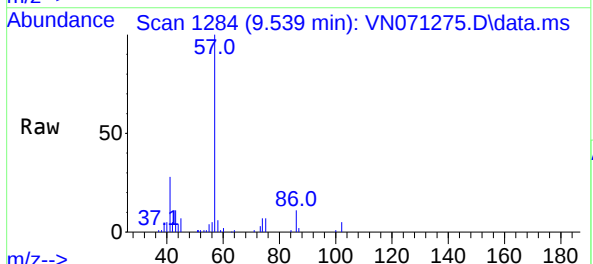
Tgt Ion: 41 Resp: 21279

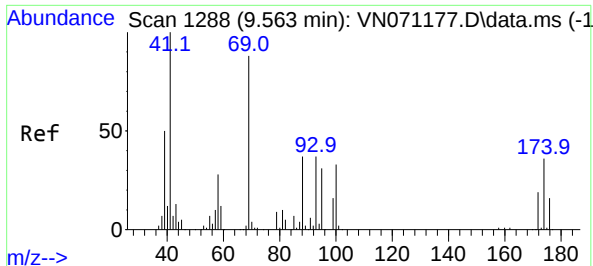
Ion Ratio Lower Upper

41 100

69 0.3 72.4 108.6#

39 0.0 58.4 87.6#

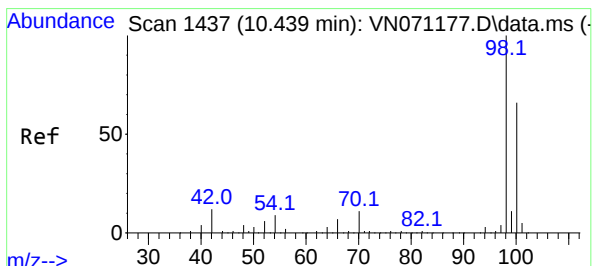
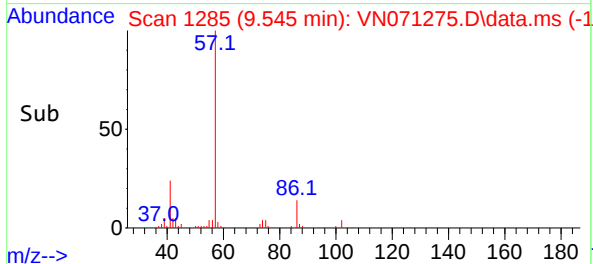
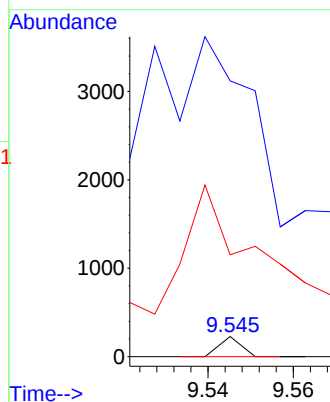
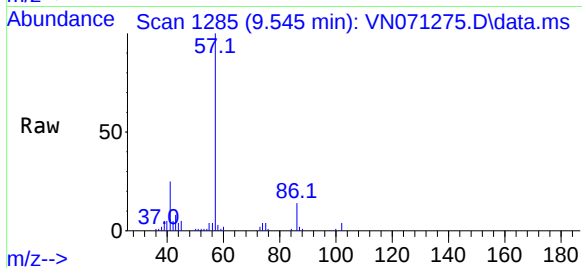




#49
1,4-Dioxane
Concen: 0.372 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.018 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

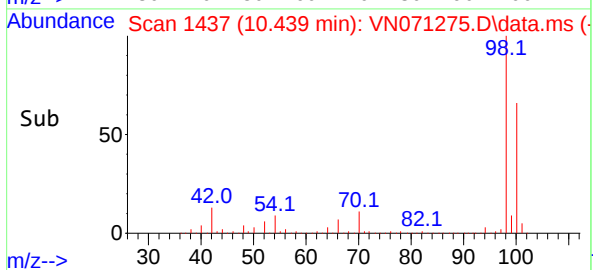
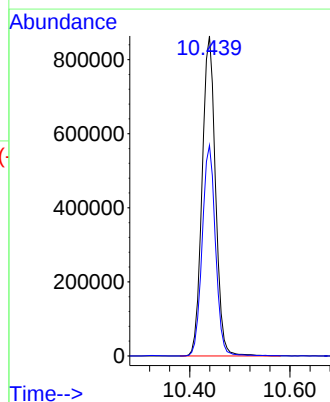
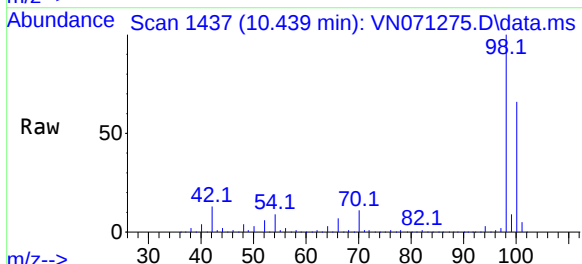
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

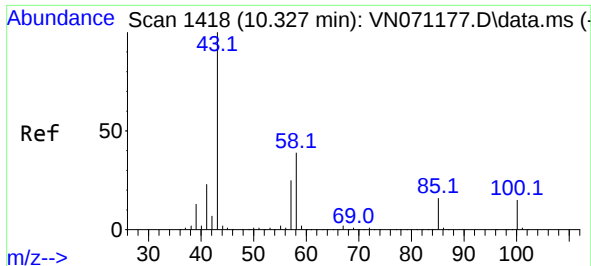
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 4485.0 50.6 75.8#



#50
Toluene-d8
Concen: 49.035 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 98 Resp: 1600123
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 2.009 ug/l

RT: 10.357 min Scan# 14

Delta R.T. 0.030 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

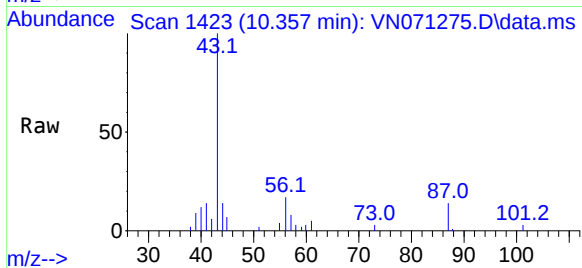
PB143286ZHE#07

Tgt Ion: 43 Resp: 33325

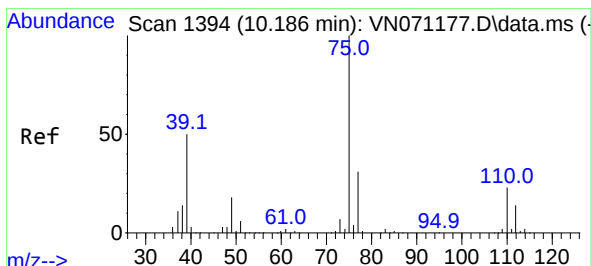
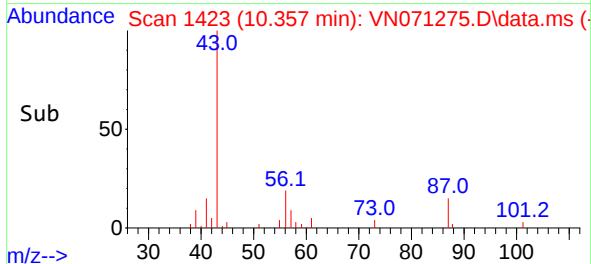
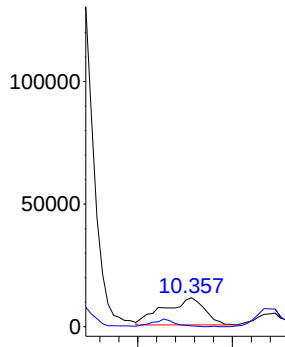
Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



Abundance



#54

cis-1,3-Dichloropropene

Concen: 7.684 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

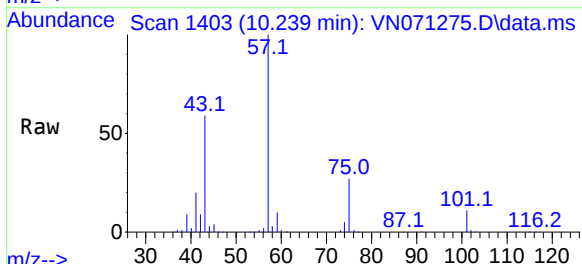
Tgt Ion: 75 Resp: 120901

Ion Ratio Lower Upper

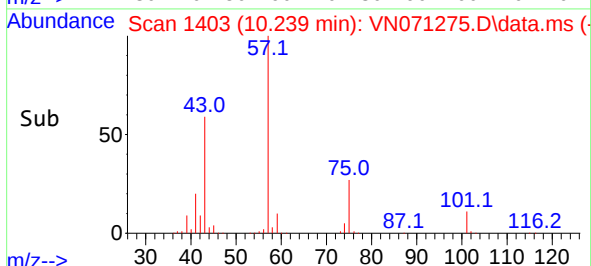
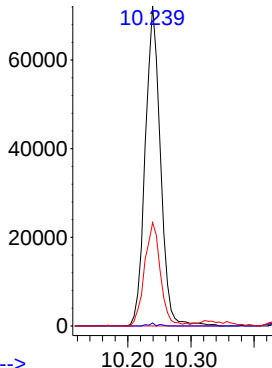
75 100

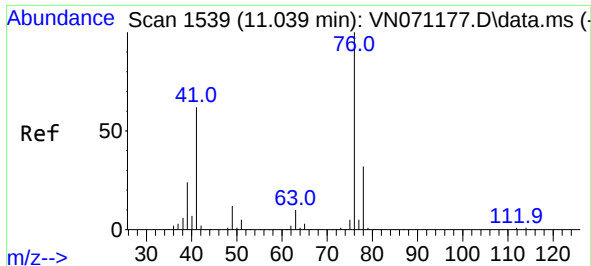
77 0.9 26.4 39.6#

39 32.3 42.5 63.7#



Abundance





#57

1,3-Dichloropropane

Concen: 4.407 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071275.D

Acq: 14 Mar 2022 18:50

Instrument :

MSVOA_N

ClientSampleId :

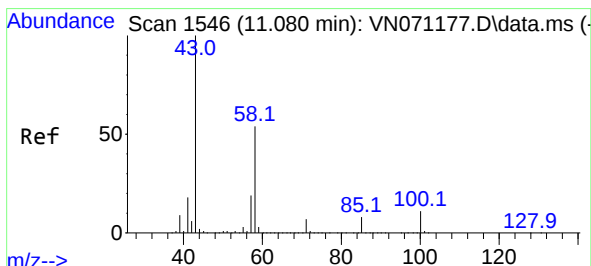
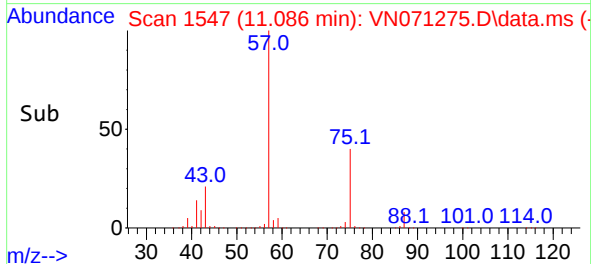
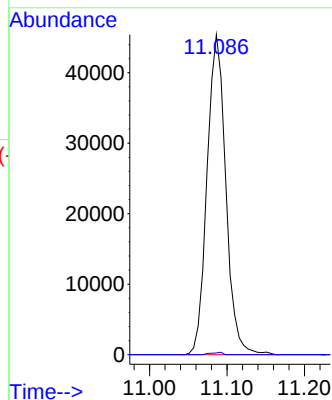
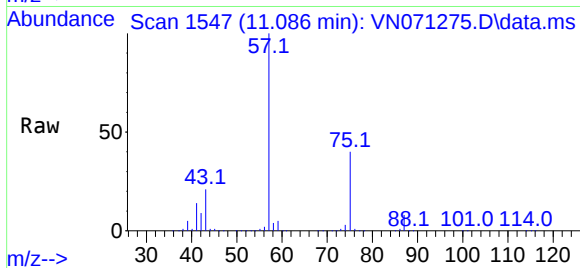
PB143286ZHE#07

Tgt Ion: 76 Resp: 76360

Ion Ratio Lower Upper

76 100

78 0.5 25.7 38.5#



#59

2-Hexanone

Concen: 103.654 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071275.D

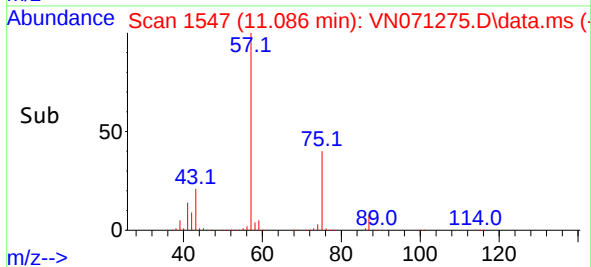
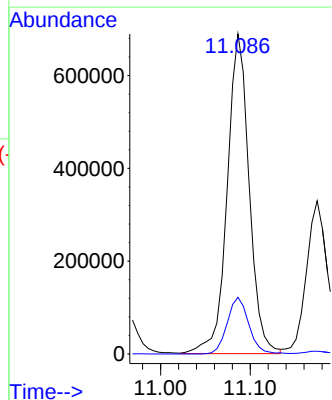
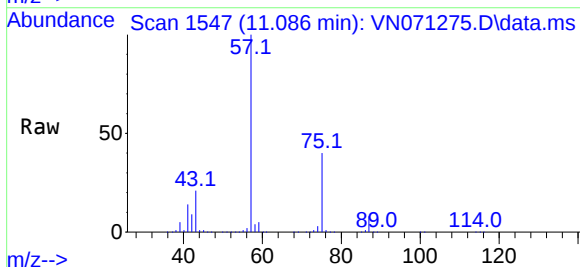
Acq: 14 Mar 2022 18:50

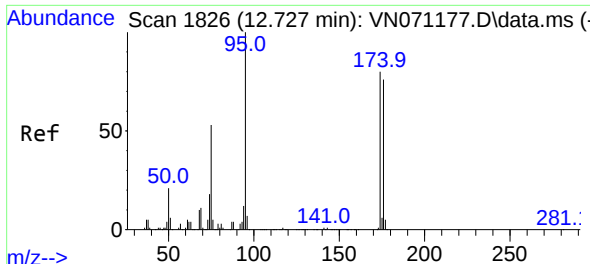
Tgt Ion: 43 Resp: 1173017

Ion Ratio Lower Upper

43 100

58 17.4 26.9 80.7#

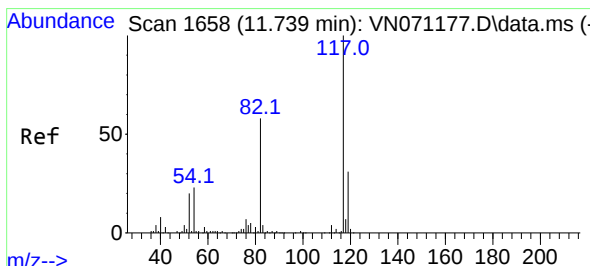
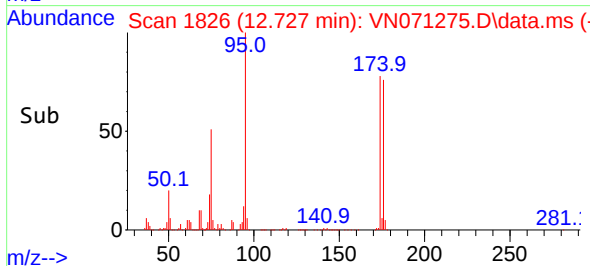
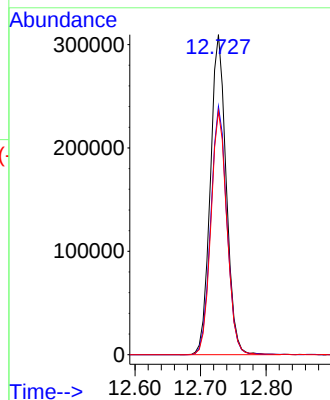
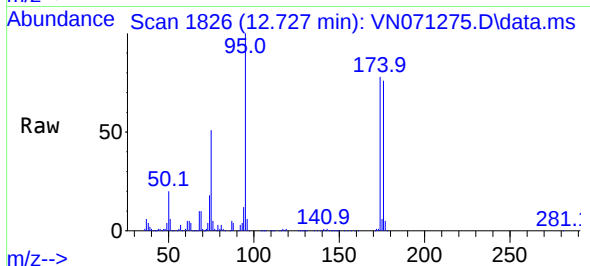




#62
4-Bromofluorobenzene
Concen: 47.104 ug/l
RT: 12.727 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

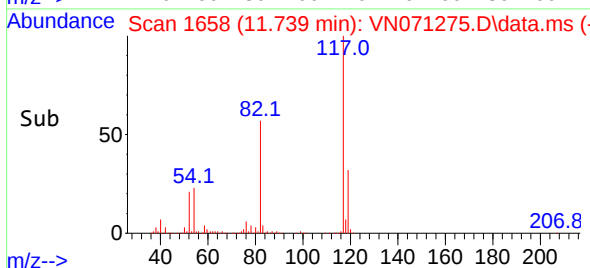
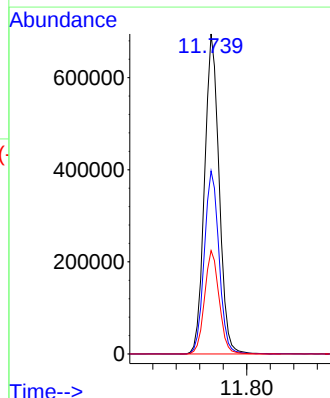
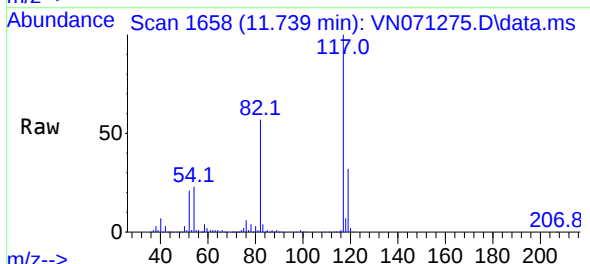
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

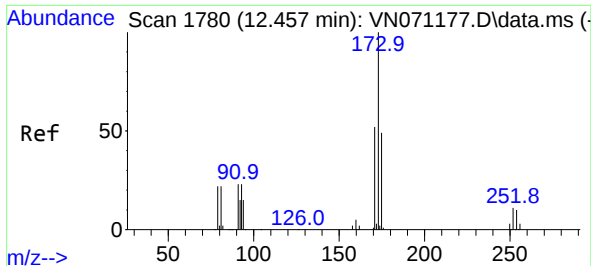
Tgt Ion: 95 Resp: 520510
Ion Ratio Lower Upper
95 100
174 78.9 0.0 187.2
176 76.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 117 Resp: 1192695
Ion Ratio Lower Upper
117 100
82 57.2 42.4 63.6
119 32.3 25.4 38.2

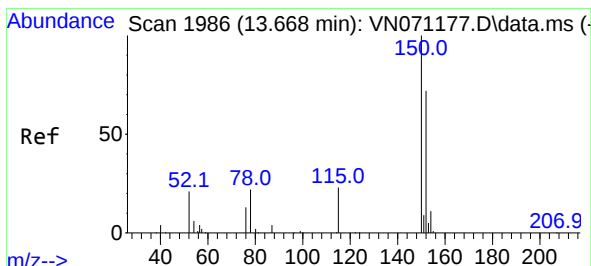
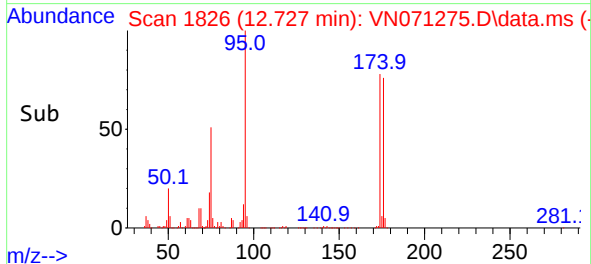
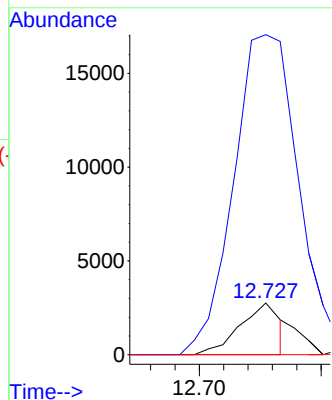
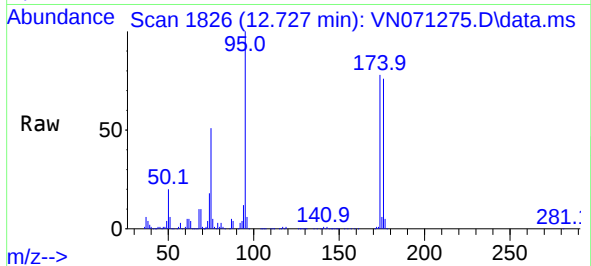




#71
Bromoform
Concen: 0.443 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

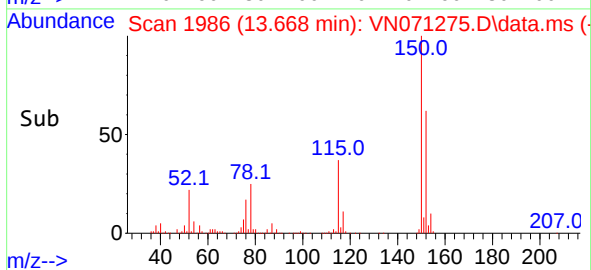
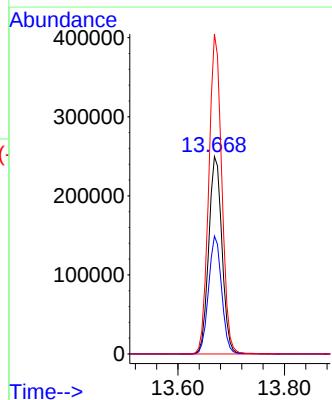
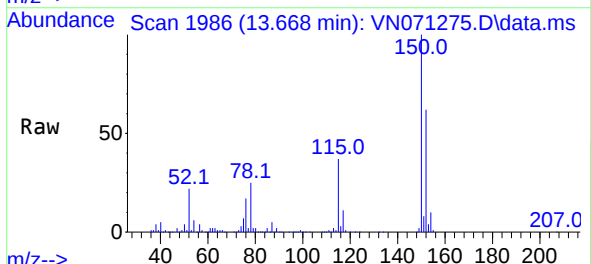
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

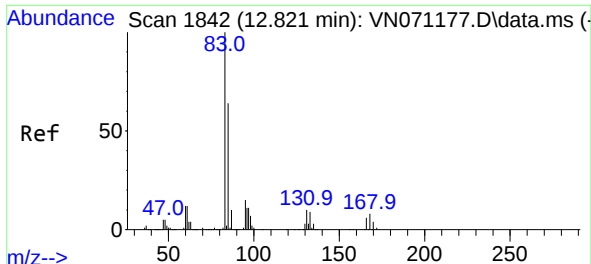
Tgt Ion:173 Resp: 3159
Ion Ratio Lower Upper
173 100
175 772.2 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion:152 Resp: 430808
Ion Ratio Lower Upper
152 100
115 58.9 27.5 82.5
150 158.9 0.0 344.4

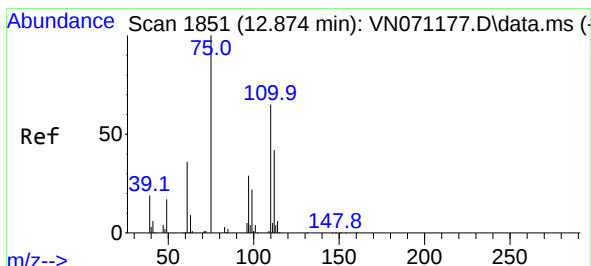
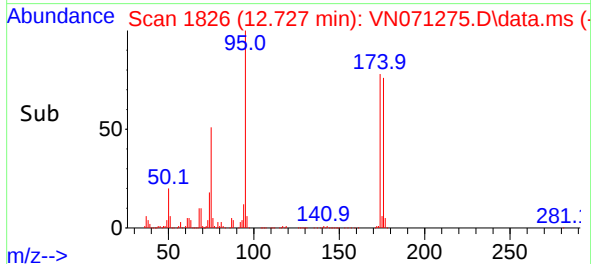
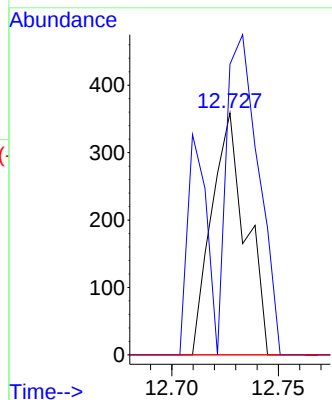
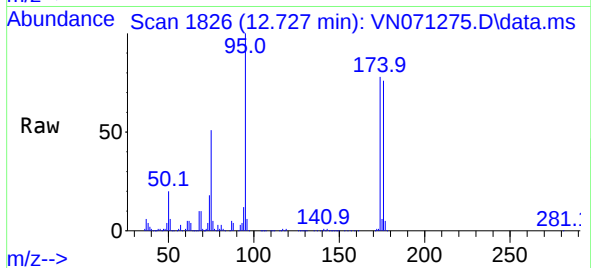




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

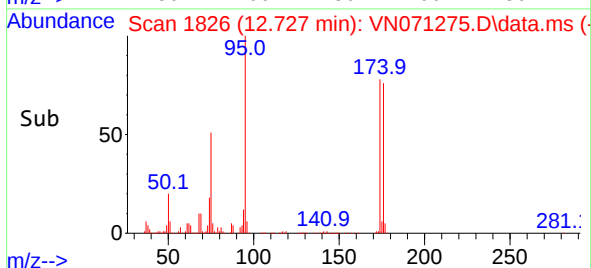
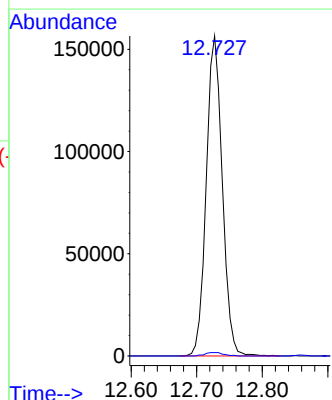
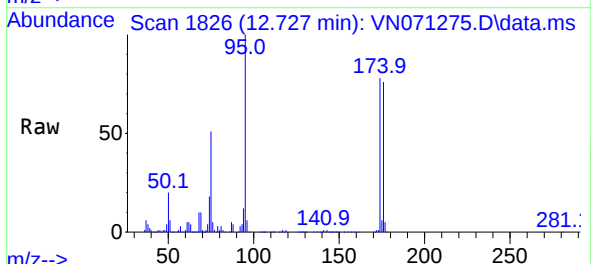
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

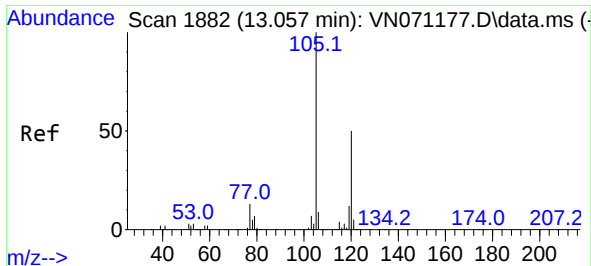
Tgt Ion: 83 Resp: 401
Ion Ratio Lower Upper
83 100
131 123.4 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 24.067 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 75 Resp: 266573
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

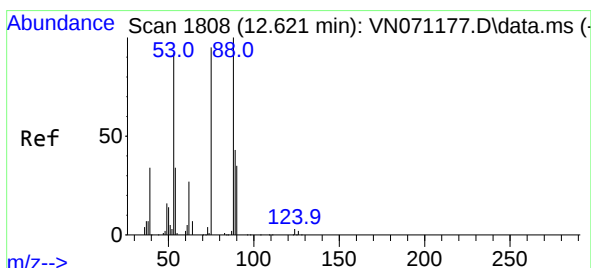
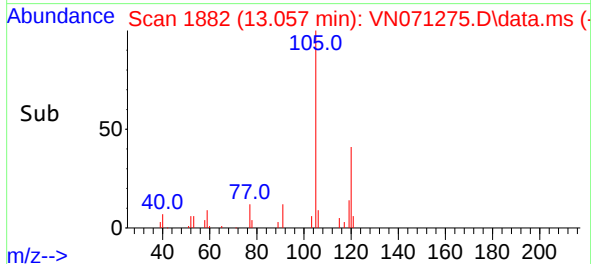
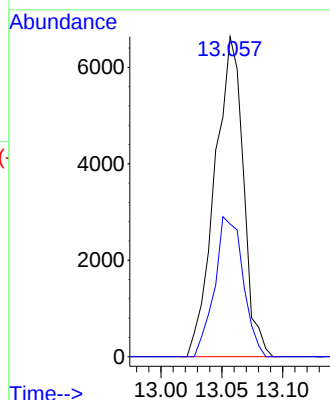
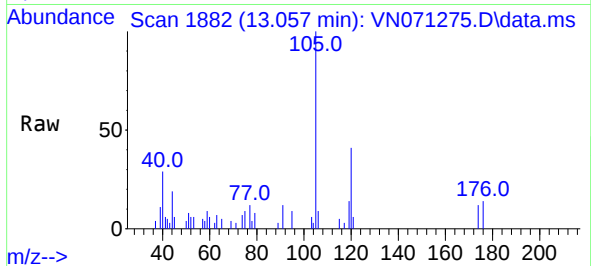




#80
1,3,5-Trimethylbenzene
Concen: 0.336 ug/l
RT: 13.057 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

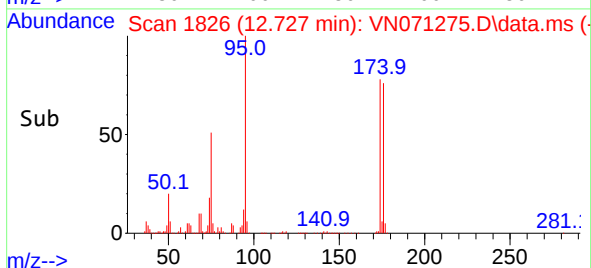
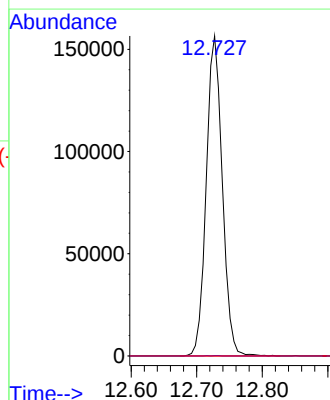
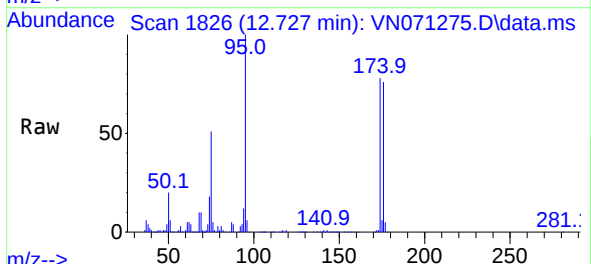
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

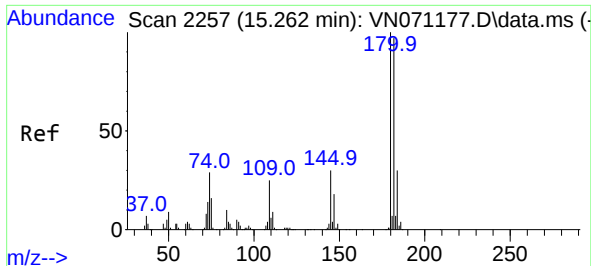
Tgt Ion:105 Resp: 10845
Ion Ratio Lower Upper
105 100
120 43.4 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 66.889 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

Tgt Ion: 75 Resp: 266573
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

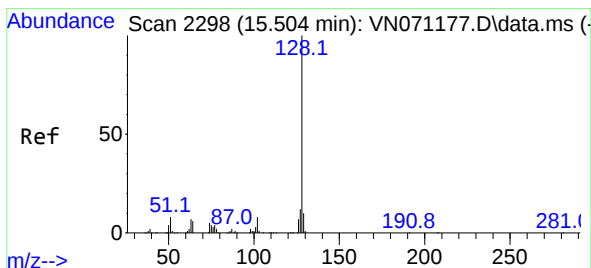
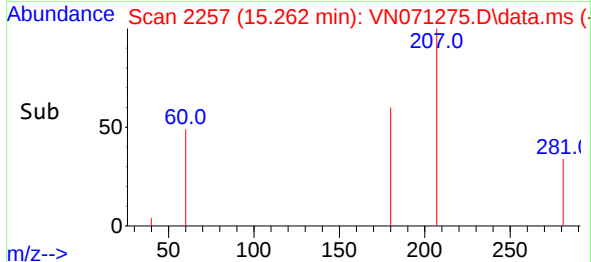
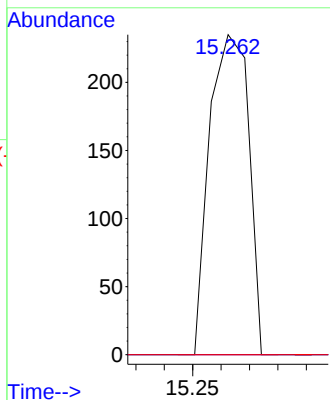
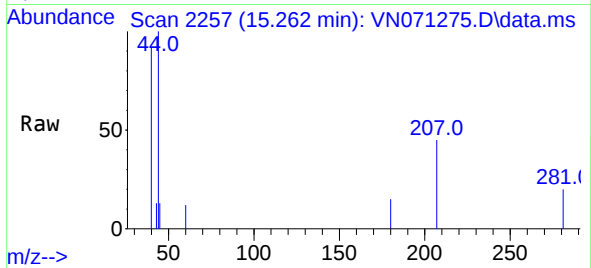




#93
1,2,4-Trichlorobenzene
Concen: 3.019 ug/l
RT: 15.262 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

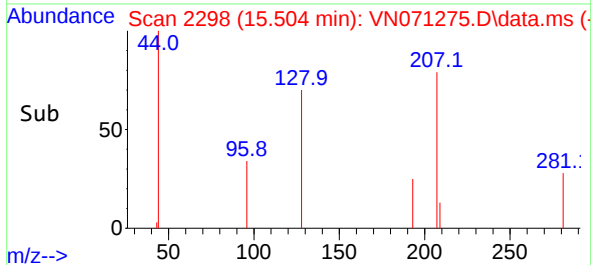
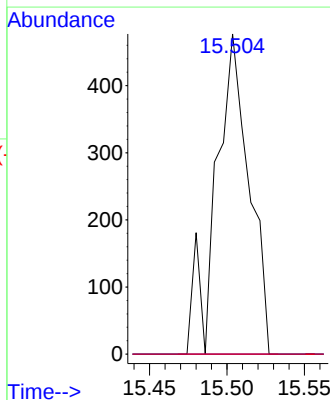
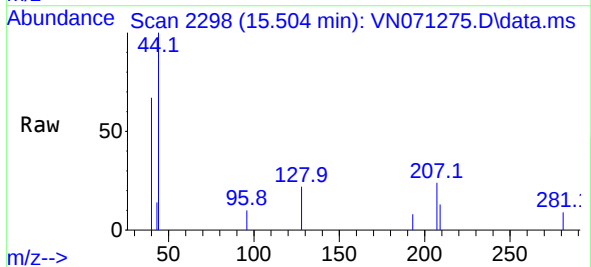
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#07

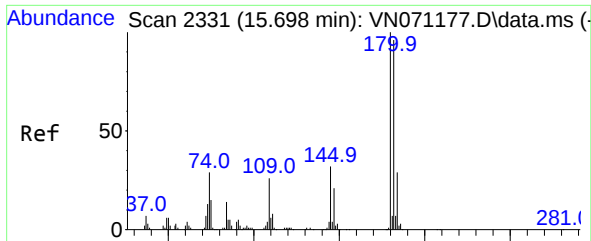
Tgt Ion:180 Resp: 226
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.100 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071275.D
Acq: 14 Mar 2022 18:50

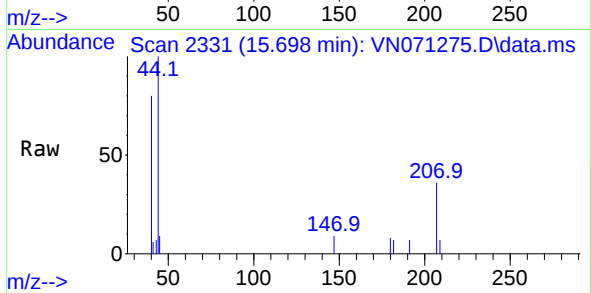
Tgt Ion:128 Resp: 715
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.742 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071275.D
 Acq: 14 Mar 2022 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#07



Tgt Ion:	180	Resp:	70
Ion	Ratio	Lower	Upper
180	100		
182	172.9	47.4	142.2#
145	0.0	15.0	45.1#

