

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071274.D
 Acq On : 14 Mar 2022 18:26
 Operator : JC\MD
 Sample : PB143286ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#06

Quant Time: Mar 15 02:54:29 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

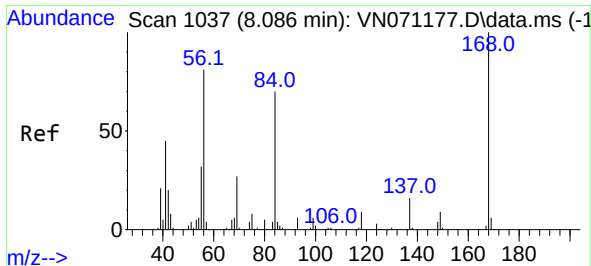
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	781499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1309293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1198596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	439303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	500437	46.723	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.440%		
35) Dibromofluoromethane	8.016	113	383453	46.411	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.820%		
50) Toluene-d8	10.439	98	1614110	48.522	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.040%		
62) 4-Bromofluorobenzene	12.727	95	536283	47.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.220%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3105	0.236	ug/l	94
5) Bromomethane	2.834	94	64	Below Cal	#	3
16) Acetone	4.293	43	33022	6.336	ug/l	95
18) Methyl Acetate	4.863	43	35160	2.959	ug/l	93
20) Methylene Chloride	5.092	84	14896	1.934	ug/l	# 93
25) 2-Butanone	7.345	43	7027	0.837	ug/l	100
31) Cyclohexane	8.081	56	16095	0.941	ug/l	# 1
36) 1,1-Dichloropropene	8.081	75	63029	4.761	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	76819	6.000	ug/l	# 16
43) Isopropyl Acetate	8.563	43	179987	6.607	ug/l	# 74
45) 1,2-Dichloropropane	9.622	63	5763	0.538	ug/l	# 44
48) Methyl methacrylate	9.539	41	22388	1.773	ug/l	# 8
49) 1,4-Dioxane	9.569	88	80	0.365	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.327	43	14241	0.842	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	123652	7.709	ug/l	# 59
57) 1,3-Dichloropropane	11.086	76	74902	4.240	ug/l	# 43
59) 2-Hexanone	11.086	43	1165979	101.071	ug/l	# 49
71) Bromoform	12.727	173	2825	0.394	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.733	83	276	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	272574	24.141	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.057	105	6696	0.203	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	272574	67.072	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.251	180	180	3.013	ug/l	# 64
95) Naphthalene	15.504	128	1034	5.114	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.704	180	59	2.740	ug/l	# 1

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

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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

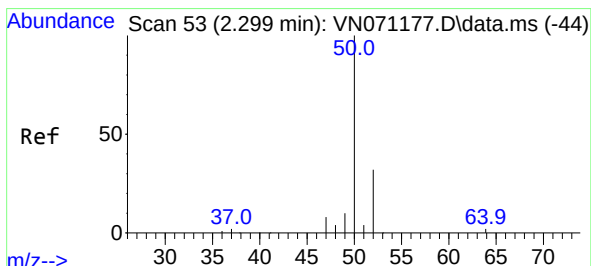
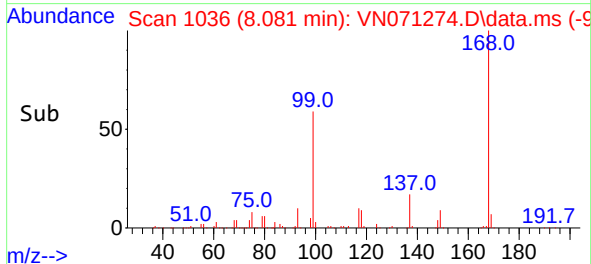
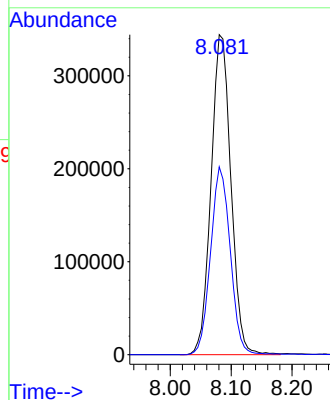
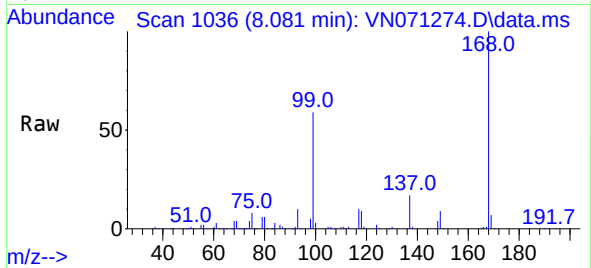




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

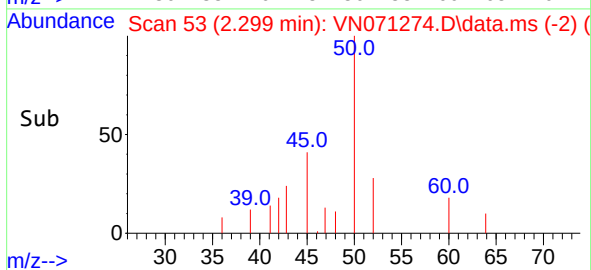
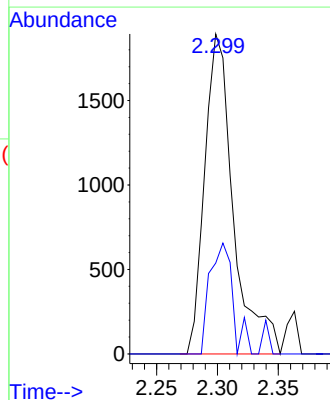
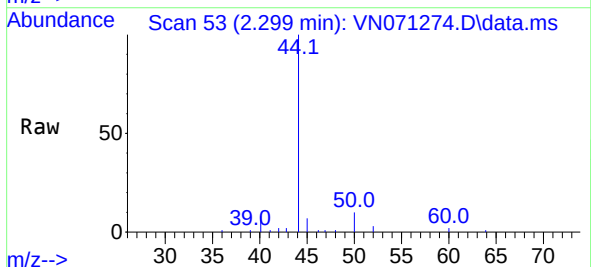
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

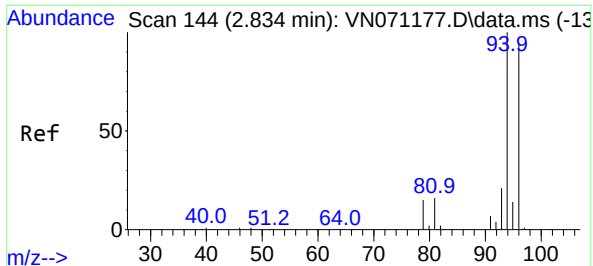
Tgt Ion:168 Resp: 781499
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 50 Resp: 3105
Ion Ratio Lower Upper
50 100
52 28.4 25.4 38.0

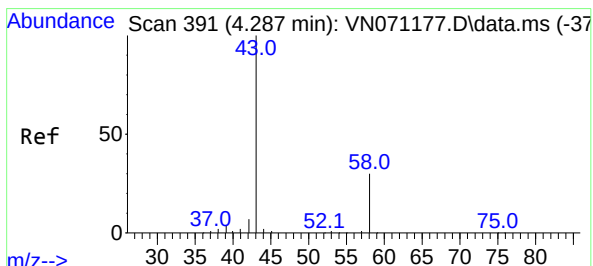
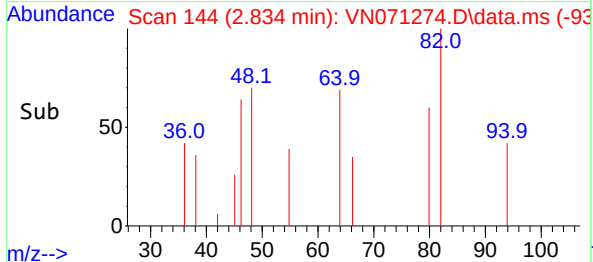
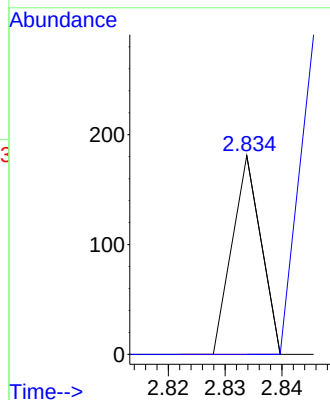
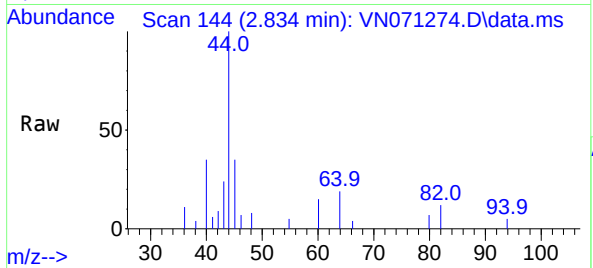




#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 144
Delta R.T. -0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

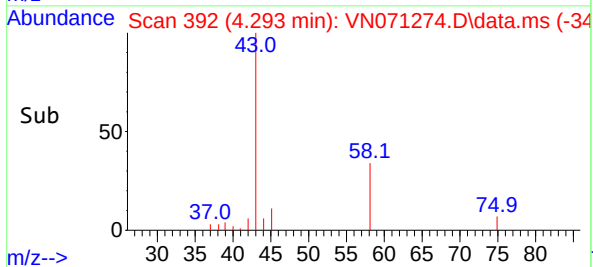
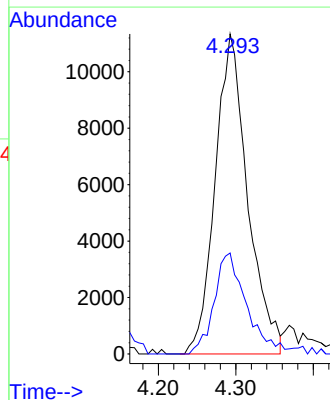
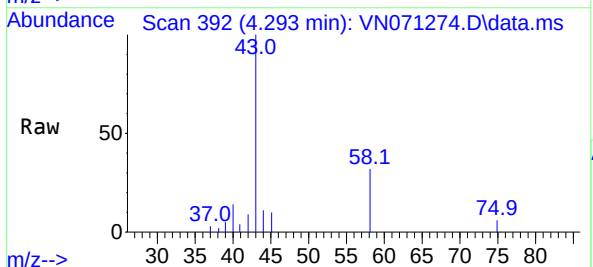
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

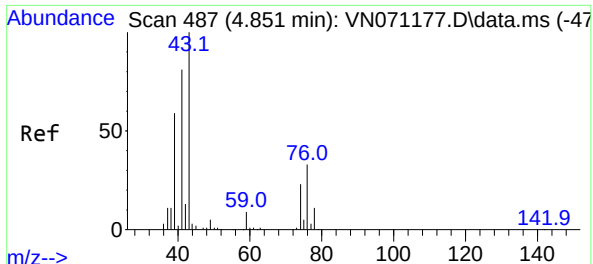
Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#16
Acetone
Concen: 6.336 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 43 Resp: 33022
Ion Ratio Lower Upper
43 100
58 31.5 23.1 34.7

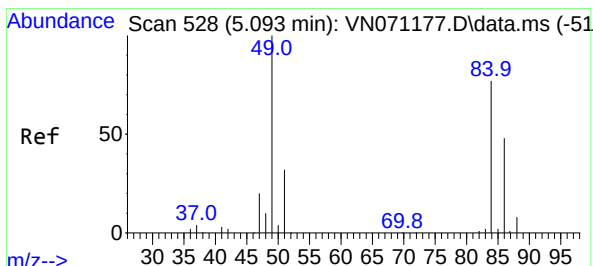
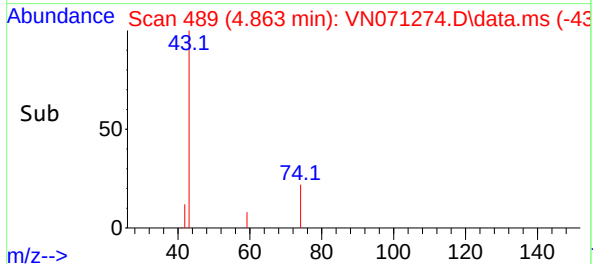
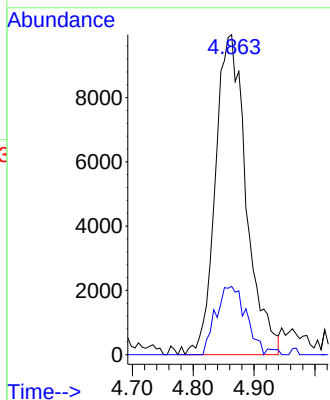
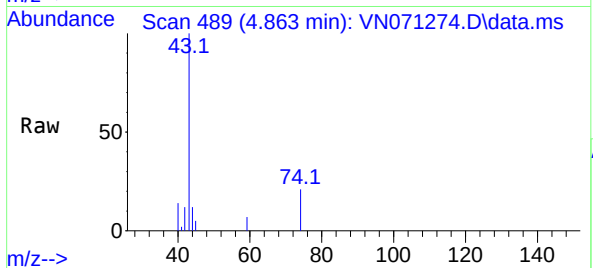




#18
Methyl Acetate
Concen: 2.959 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

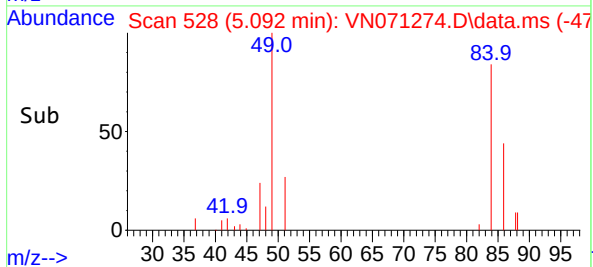
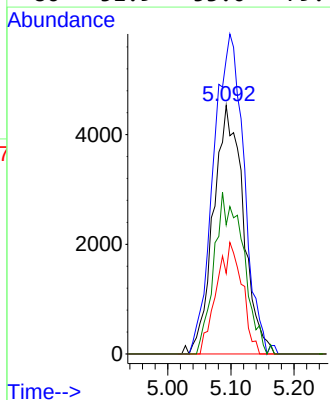
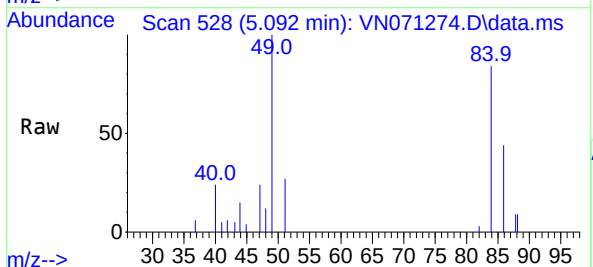
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

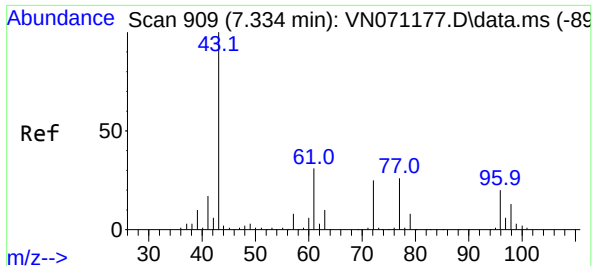
Tgt Ion: 43 Resp: 35160
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.2



#20
Methylene Chloride
Concen: 1.934 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 84 Resp: 14896
Ion Ratio Lower Upper
84 100
49 118.7 93.5 140.3
51 32.4 29.4 44.2
86 51.9 53.0 79.4#





#25

2-Butanone

Concen: 0.837 ug/l

RT: 7.345 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

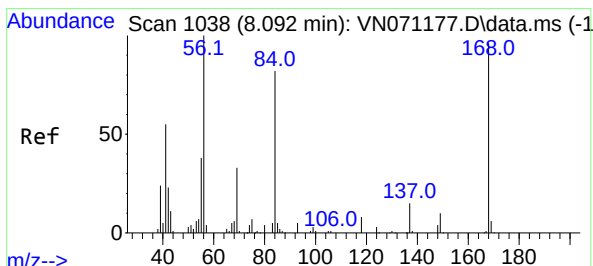
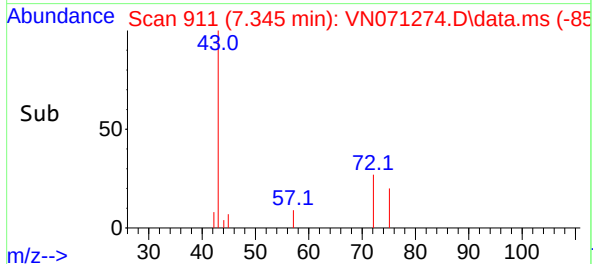
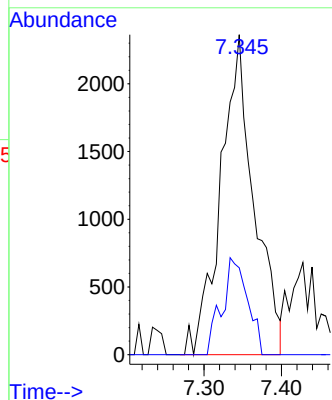
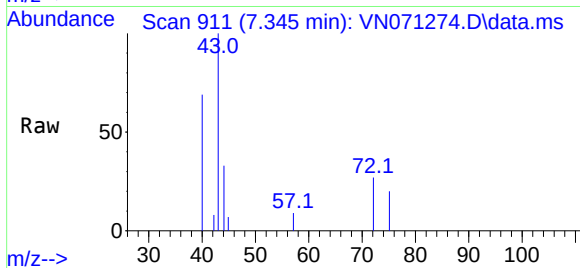
PB143286ZHE#06

Tgt Ion: 43 Resp: 7027

Ion Ratio Lower Upper

43 100

72 27.1 21.7 32.5



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

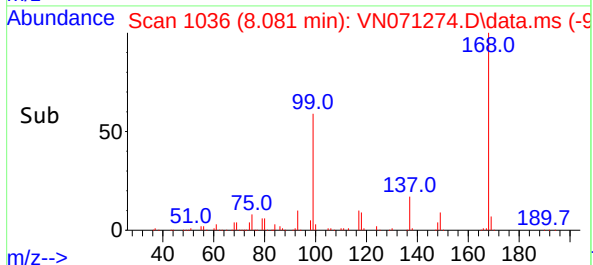
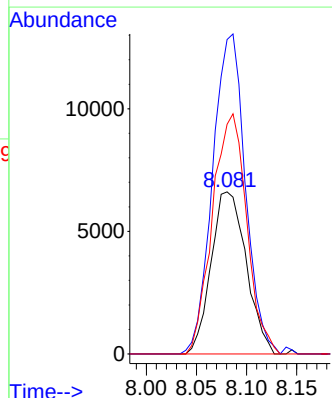
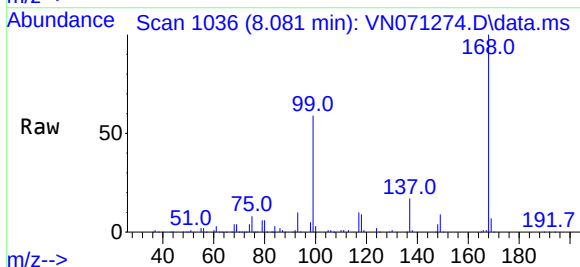
Tgt Ion: 56 Resp: 16095

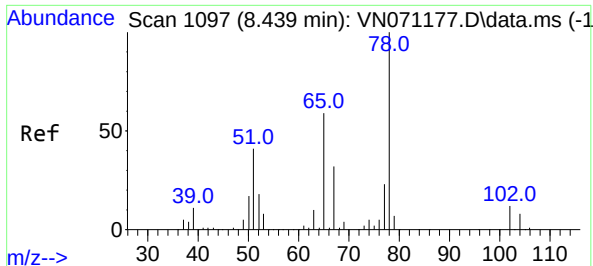
Ion Ratio Lower Upper

56 100

69 194.1 27.1 40.7#

84 141.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.723 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

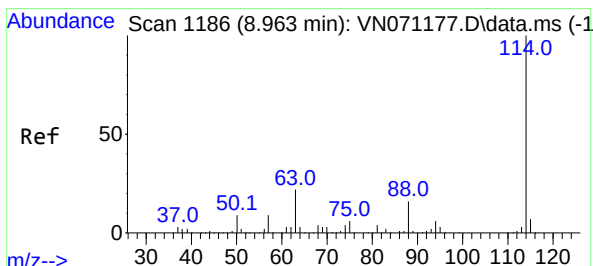
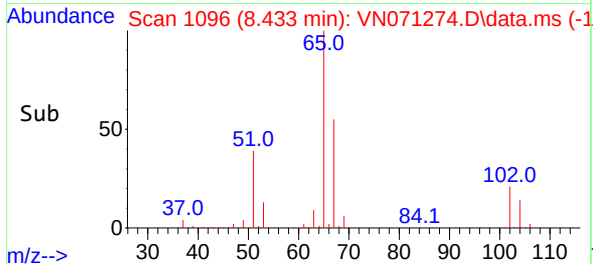
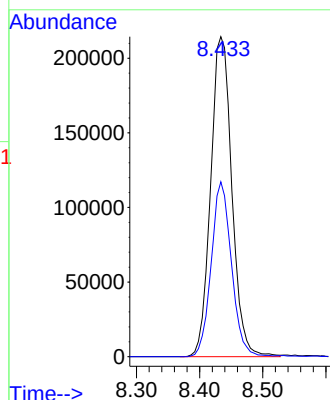
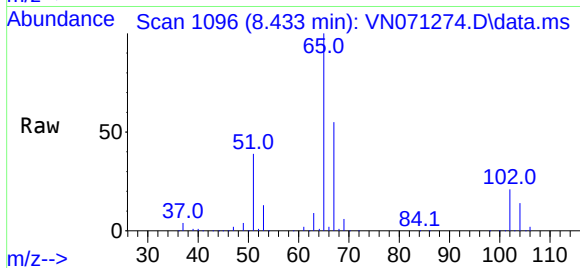
PB143286ZHE#06

Tgt Ion: 65 Resp: 500437

Ion Ratio Lower Upper

65 100

67 52.2 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: VN071274.D

Acq: 14 Mar 2022 18:26

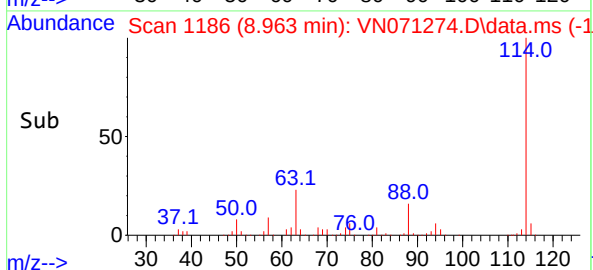
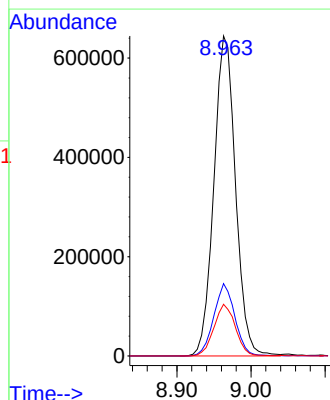
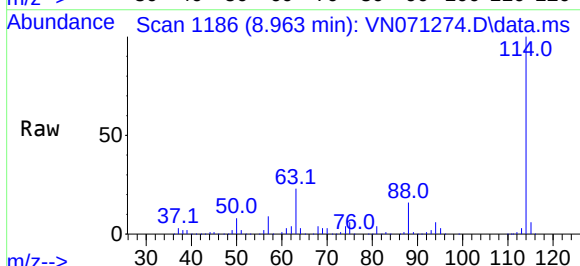
Tgt Ion: 114 Resp: 1309293

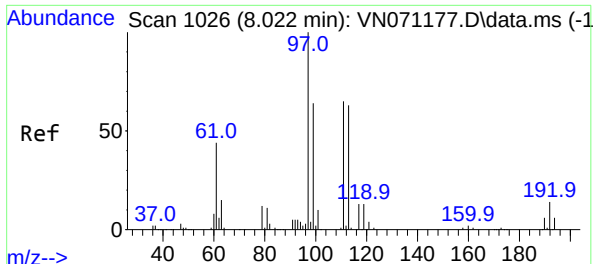
Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.8

88 16.2 0.0 27.4

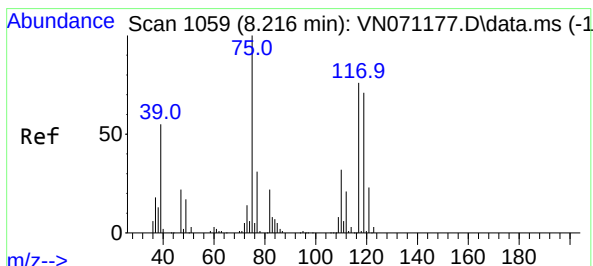
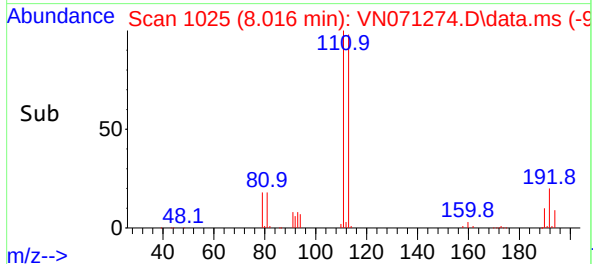
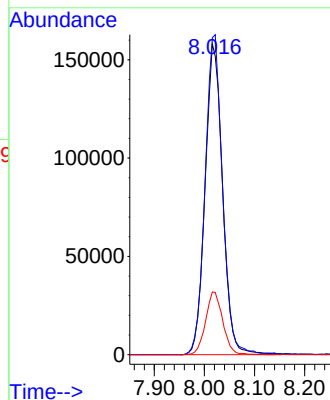
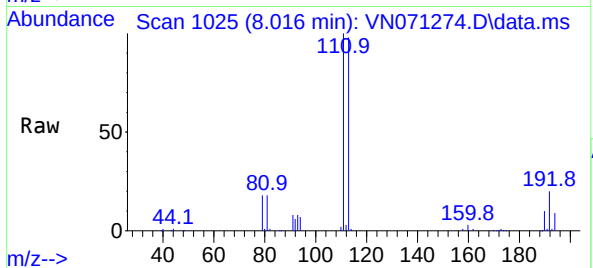




#35
Dibromofluoromethane
Concen: 46.411 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

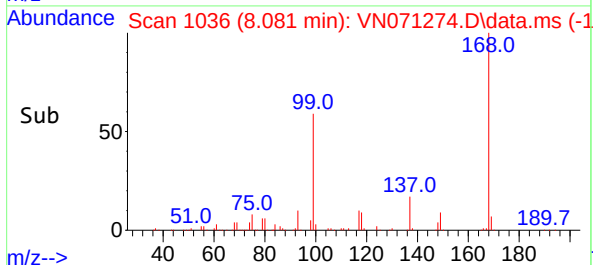
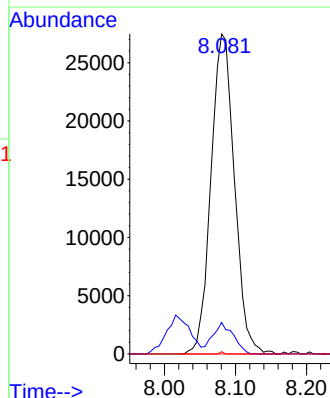
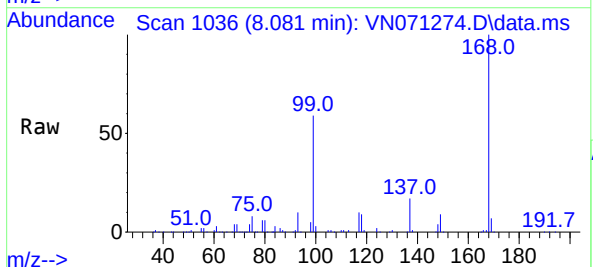
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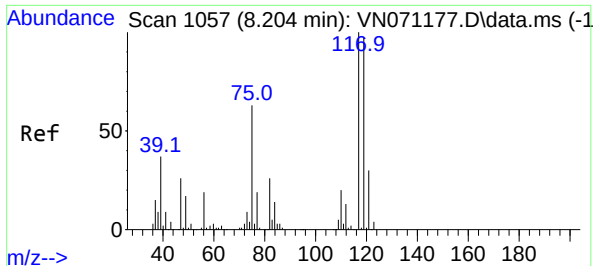
Tgt Ion:113 Resp: 383453
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

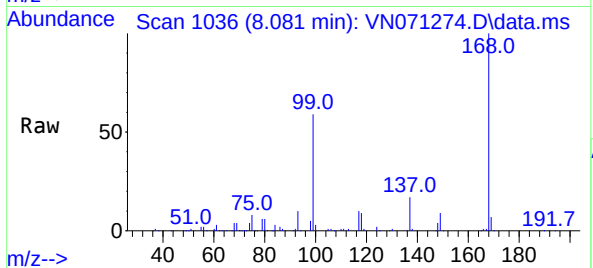
Tgt Ion: 75 Resp: 63029
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.1 24.4 36.6#



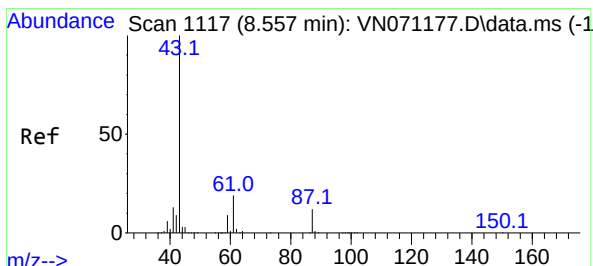
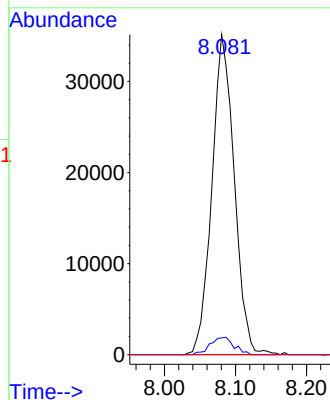
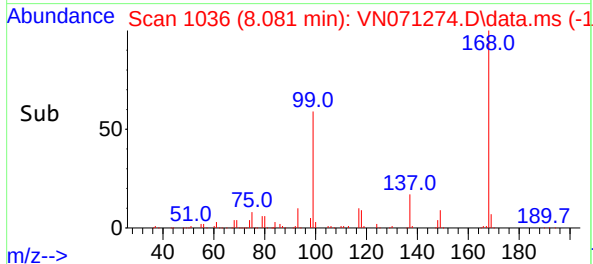


#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

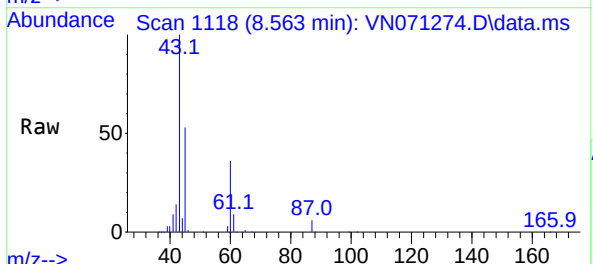
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06



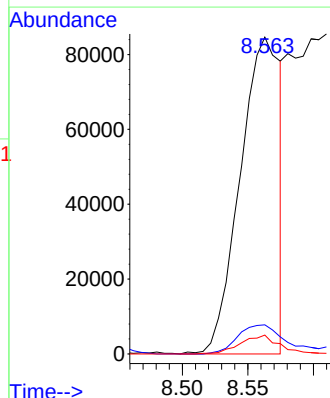
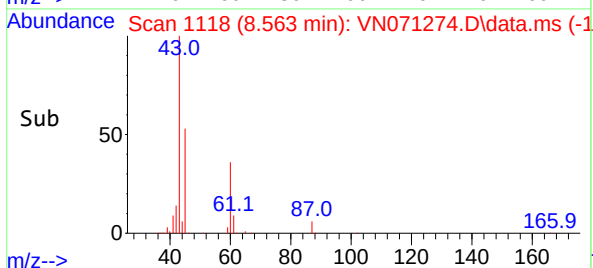
Tgt Ion:117 Resp: 76819
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#

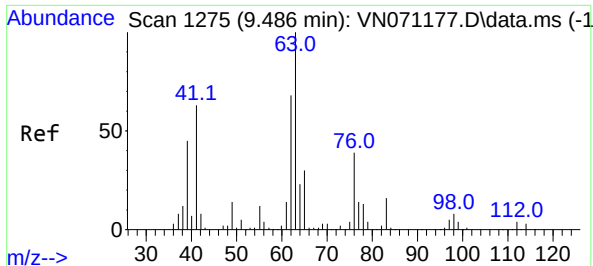


#43
Isopropyl Acetate
Concen: 6.607 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26



Tgt Ion: 43 Resp: 179987
Ion Ratio Lower Upper
43 100
61 11.0 20.4 30.6#
87 5.8 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.538 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.136 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

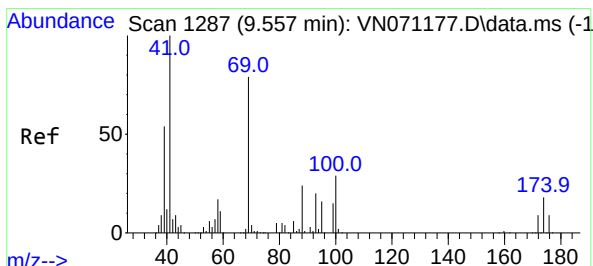
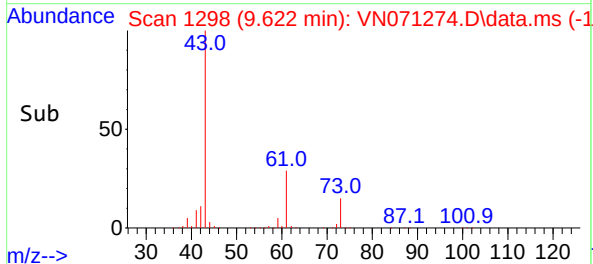
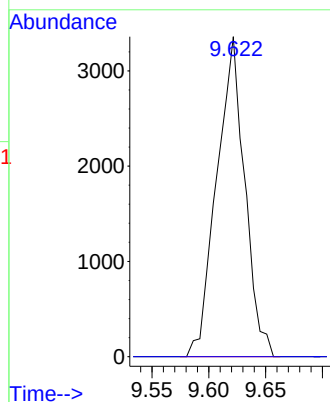
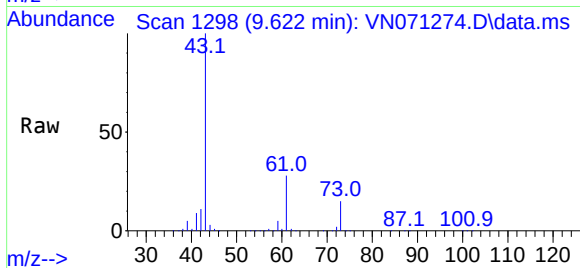
PB143286ZHE#06

Tgt Ion: 63 Resp: 5763

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.773 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

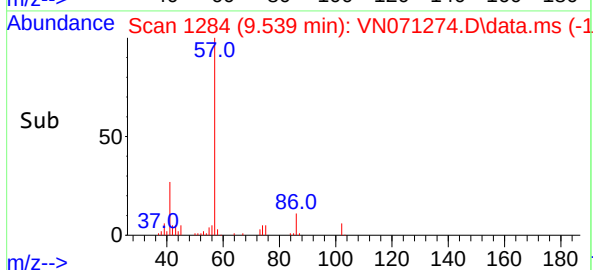
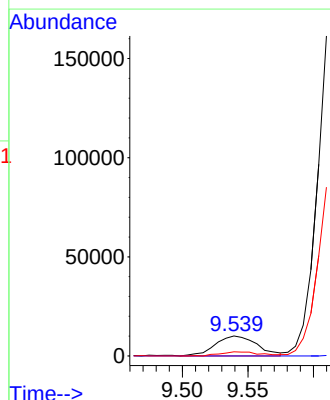
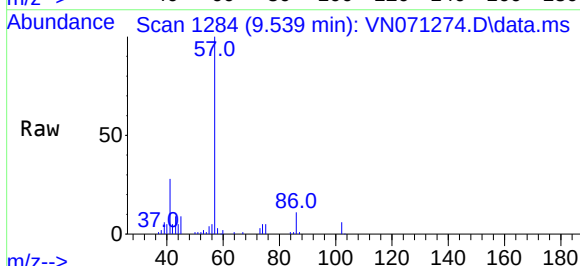
Tgt Ion: 41 Resp: 22388

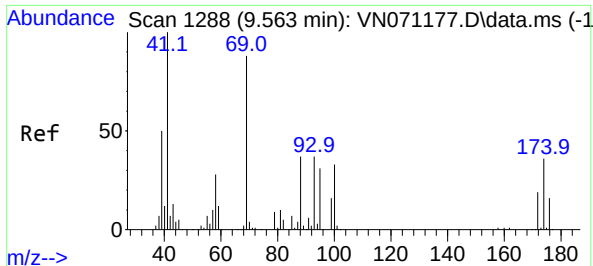
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

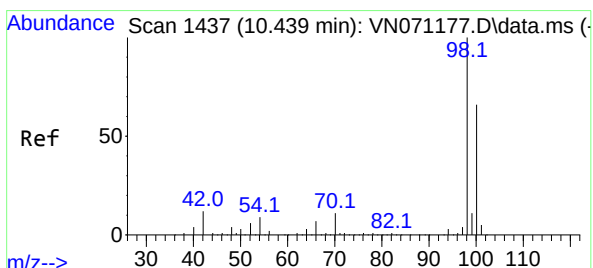
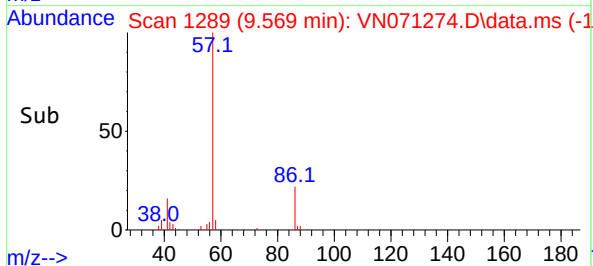
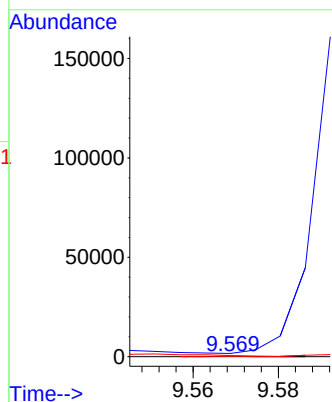
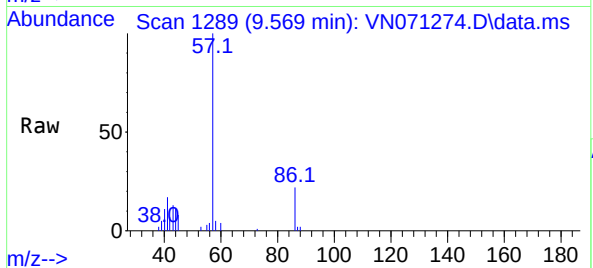




#49
1,4-Dioxane
Concen: 0.365 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

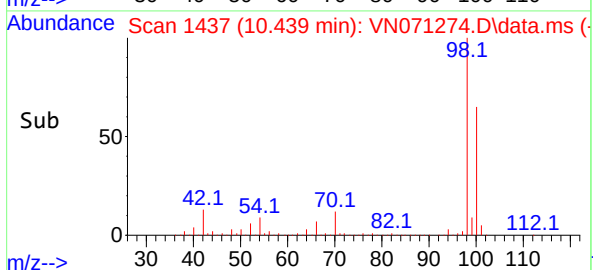
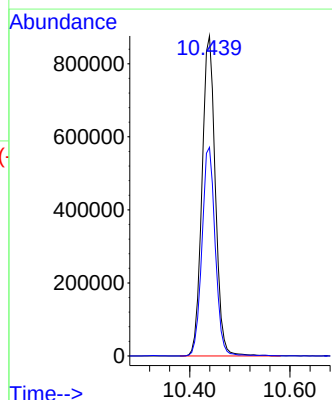
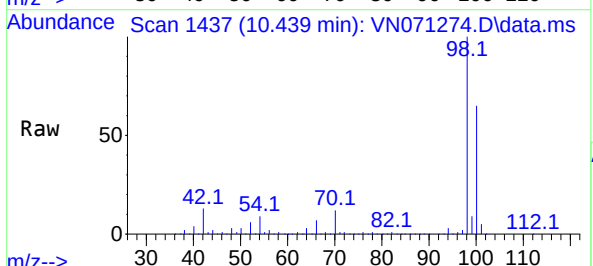
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

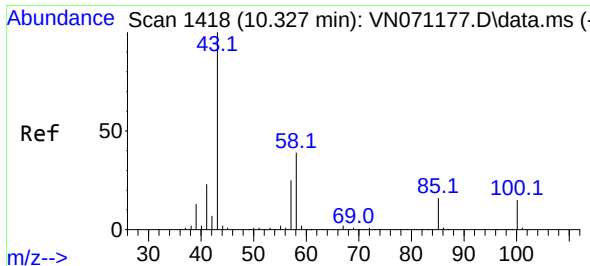
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 4293.8 50.6 75.8#



#50
Toluene-d8
Concen: 48.522 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 98 Resp: 1614110
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

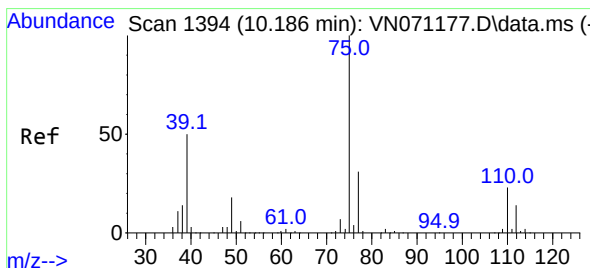
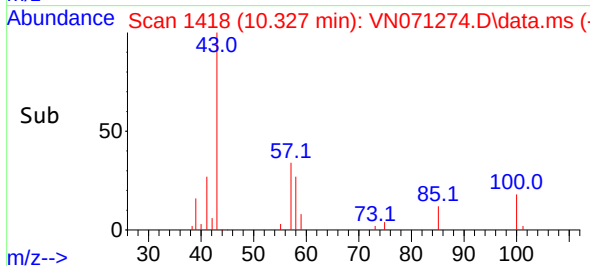
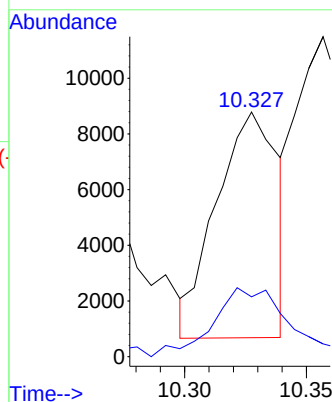
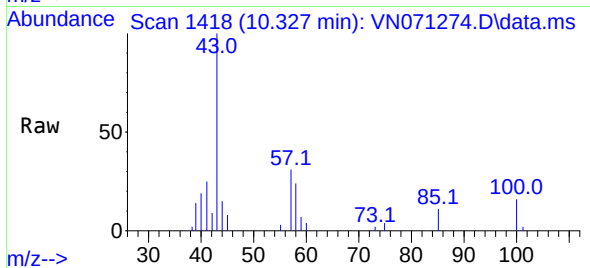




#51
4-Methyl-2-Pentanone
Concen: 0.842 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

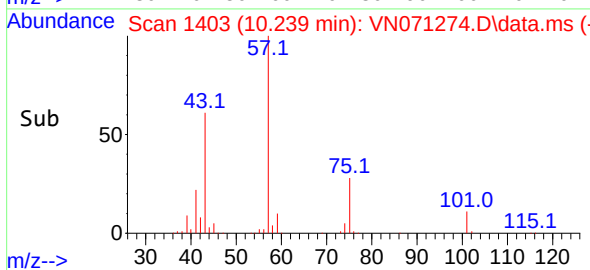
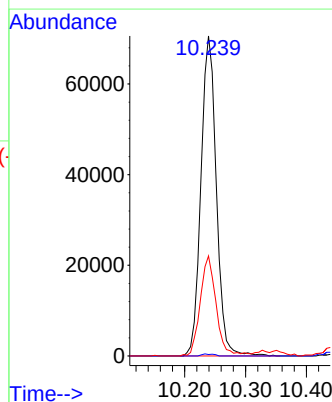
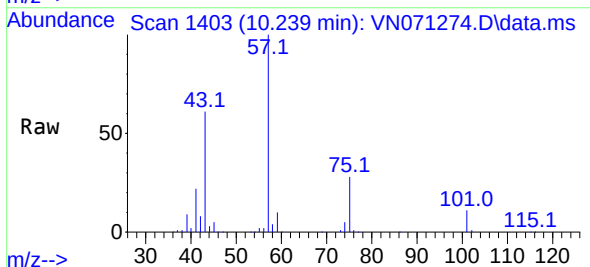
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

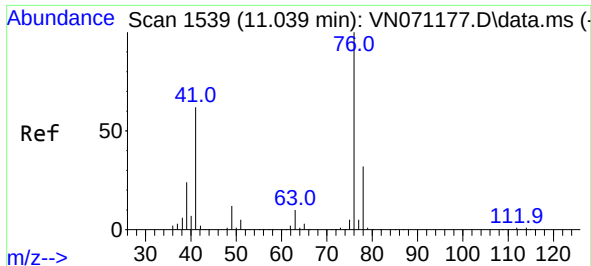
Tgt Ion: 43 Resp: 14241
Ion Ratio Lower Upper
43 100
58 37.5 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 7.709 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 75 Resp: 123652
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 31.2 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.240 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

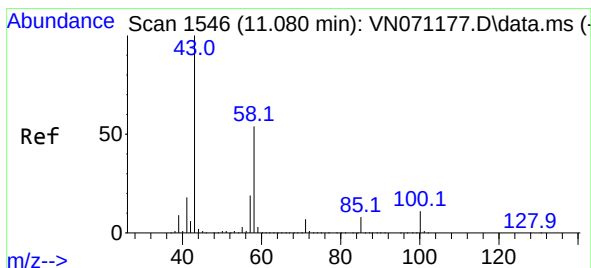
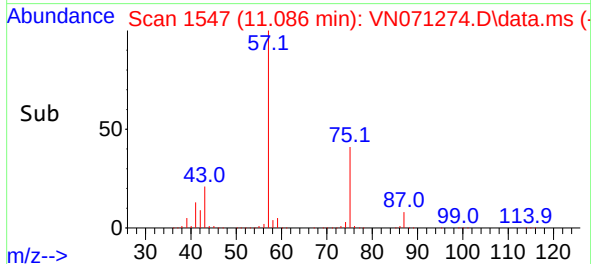
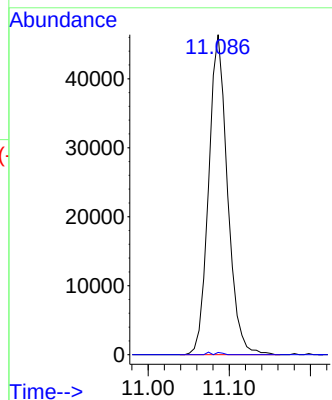
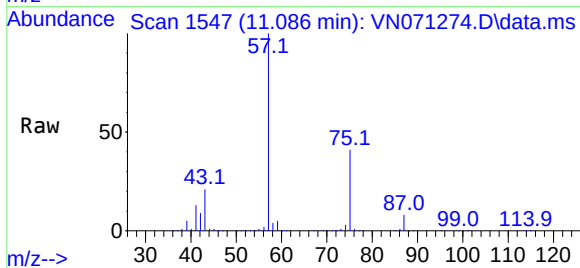
PB143286ZHE#06

Tgt Ion: 76 Resp: 74902

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#59

2-Hexanone

Concen: 101.071 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071274.D

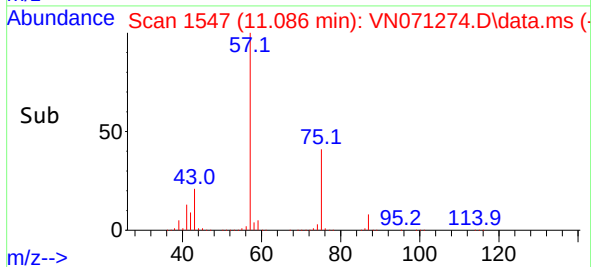
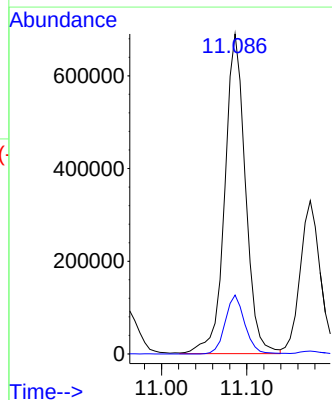
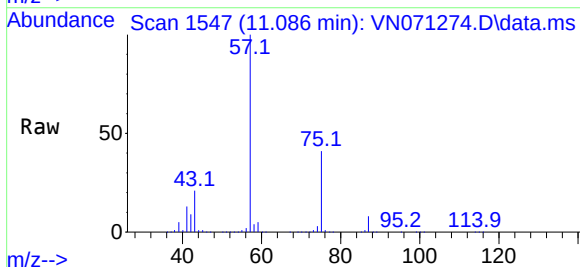
Acq: 14 Mar 2022 18:26

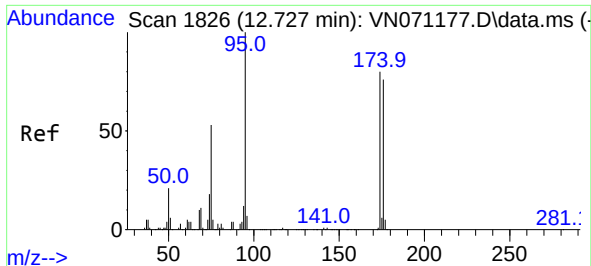
Tgt Ion: 43 Resp: 1165979

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.7#

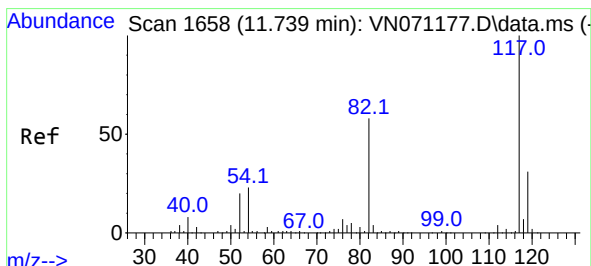
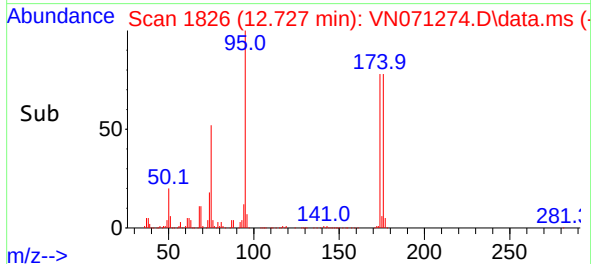
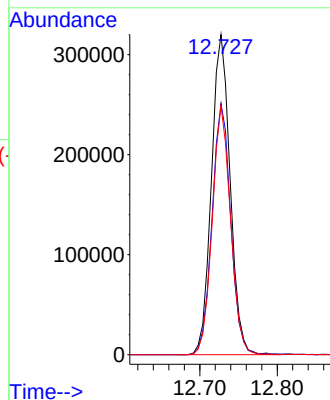
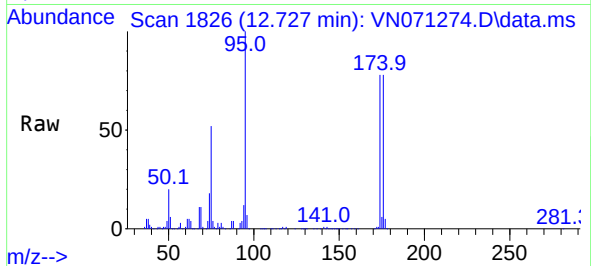




#62
4-Bromofluorobenzene
Concen: 47.608 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

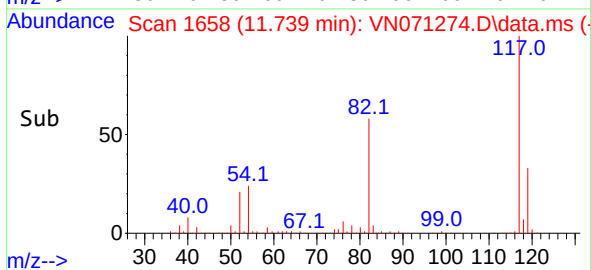
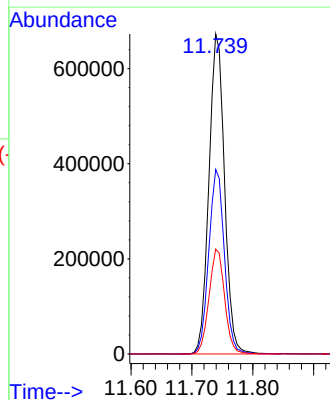
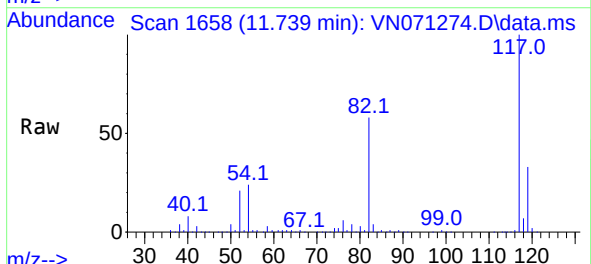
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

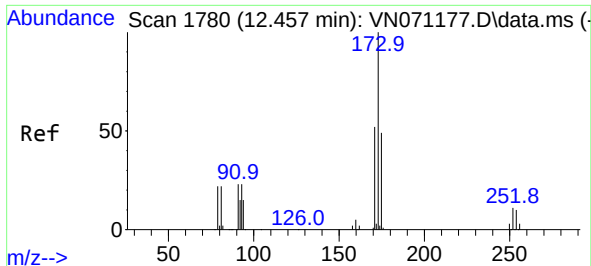
Tgt Ion: 95 Resp: 536283
Ion Ratio Lower Upper
95 100
174 78.6 0.0 187.2
176 76.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 117 Resp: 1198596
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.8 25.4 38.2

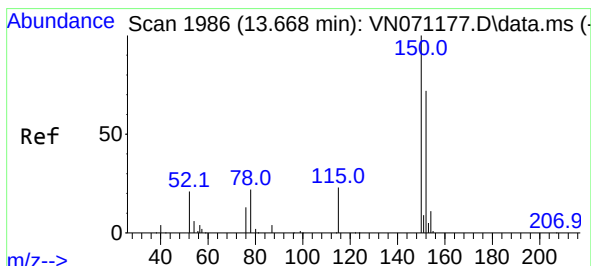
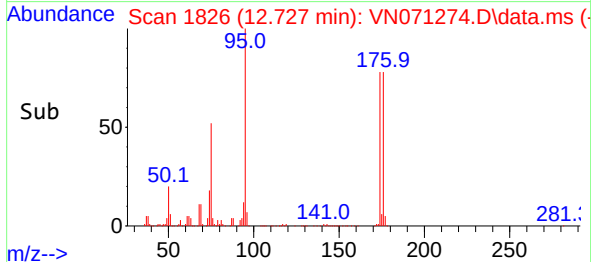
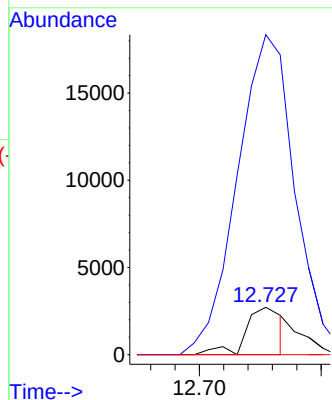
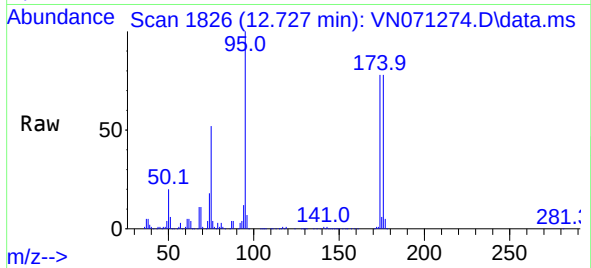




#71
Bromoform
Concen: 0.394 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

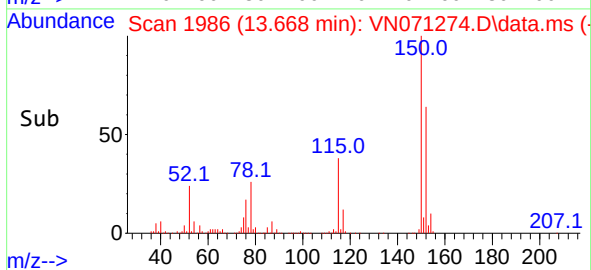
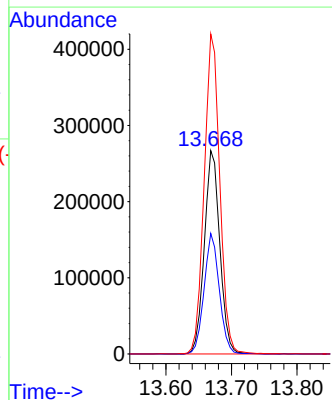
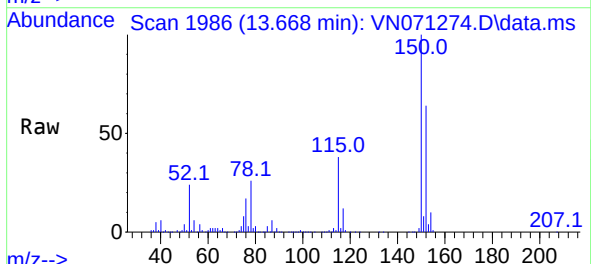
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

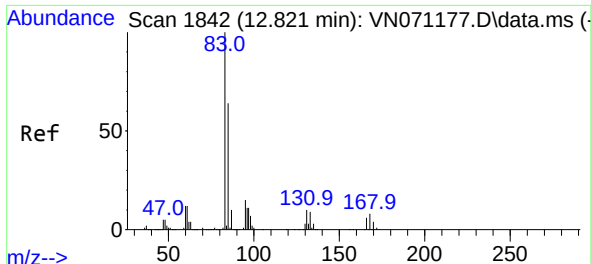
Tgt Ion:173 Resp: 2825
Ion Ratio Lower Upper
173 100
175 858.1 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion:152 Resp: 439303
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 158.6 0.0 344.4

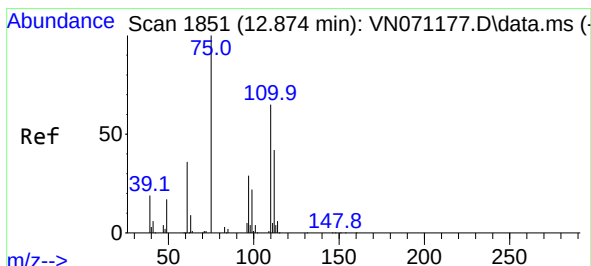
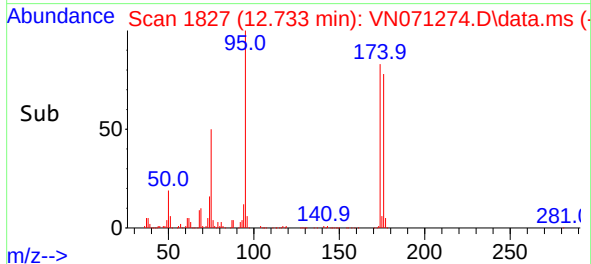
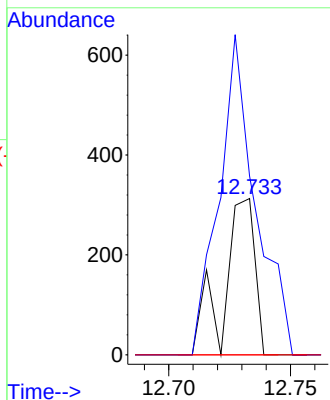
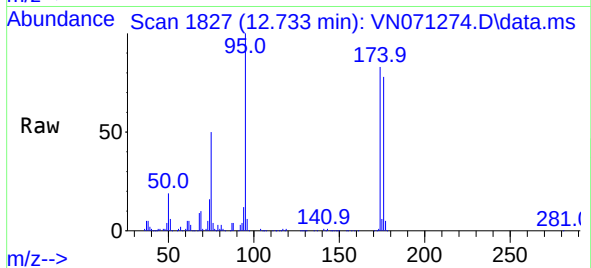




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.733 min Scan# 1827
Delta R.T. -0.088 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

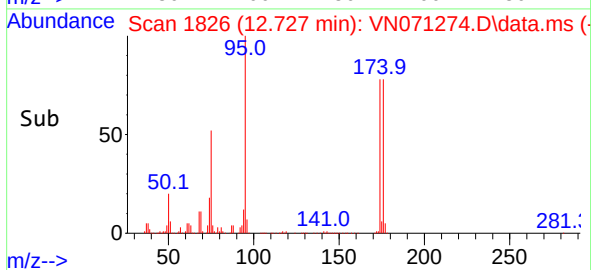
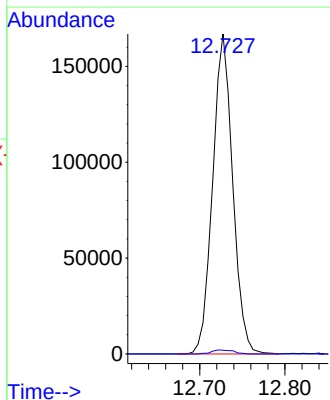
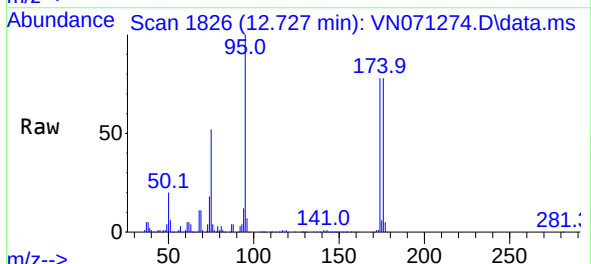
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

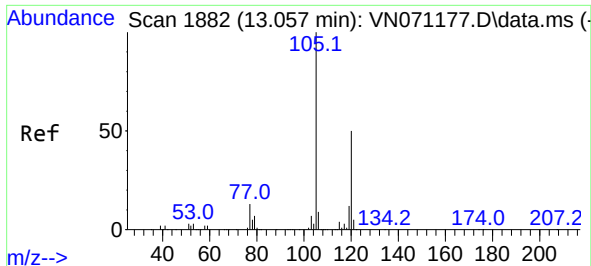
Tgt Ion: 83 Resp: 276
Ion Ratio Lower Upper
83 100
131 242.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 24.141 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 75 Resp: 272574
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

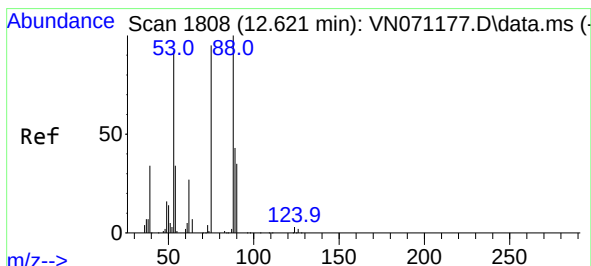
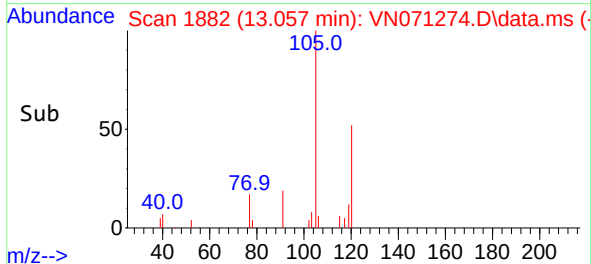
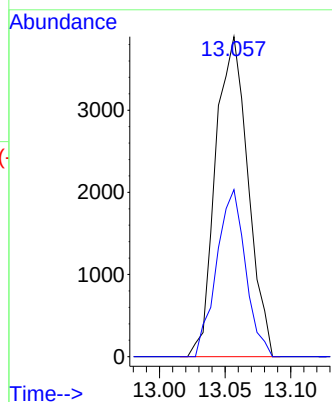
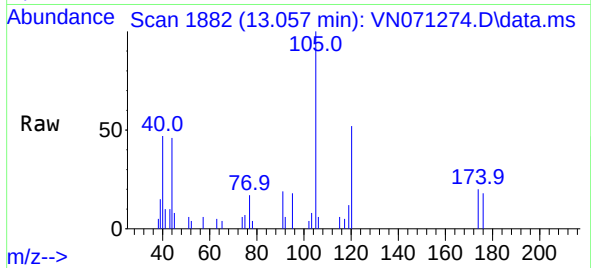




#80
1,3,5-Trimethylbenzene
Concen: 0.203 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

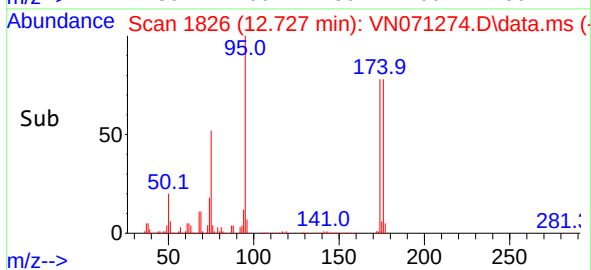
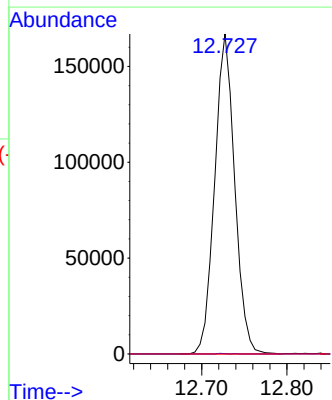
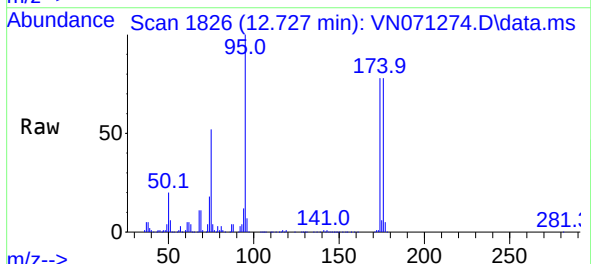
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#06

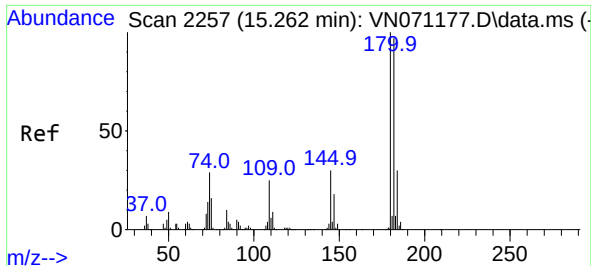
Tgt Ion:105 Resp: 6696
Ion Ratio Lower Upper
105 100
120 46.6 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 67.072 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071274.D
Acq: 14 Mar 2022 18:26

Tgt Ion: 75 Resp: 272574
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: 3.013 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.011 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#06

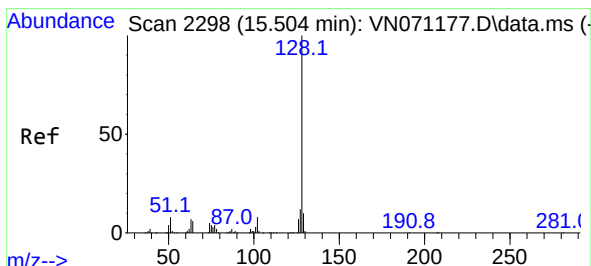
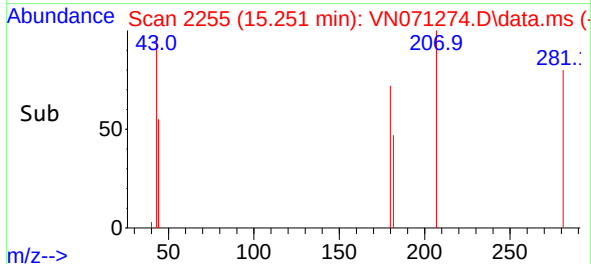
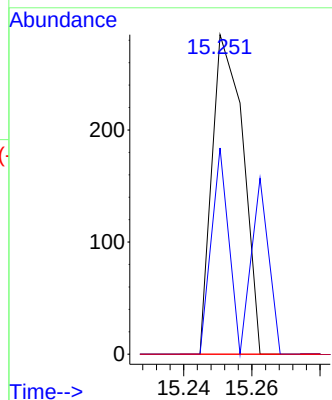
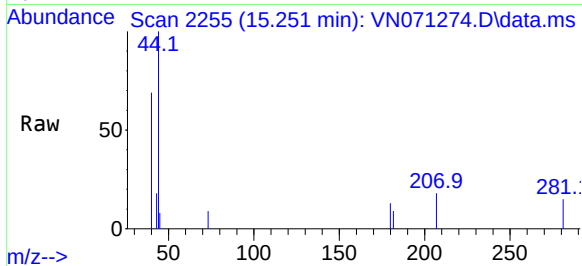
Tgt Ion:180 Resp: 180

Ion Ratio Lower Upper

180 100

182 66.7 48.3 144.9

145 0.0 14.5 43.5#



#95

Naphthalene

Concen: 5.114 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VN071274.D

Acq: 14 Mar 2022 18:26

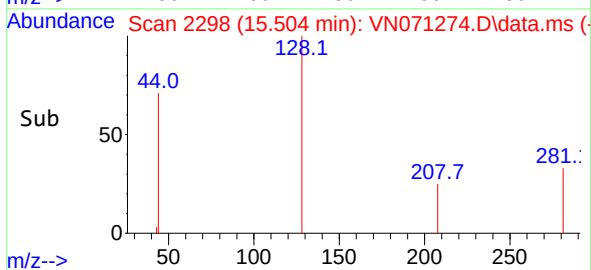
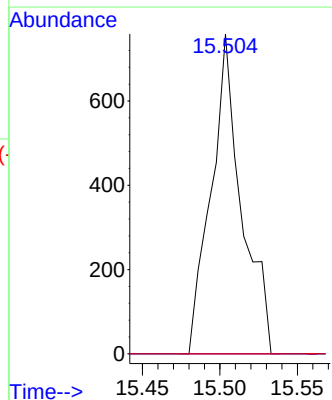
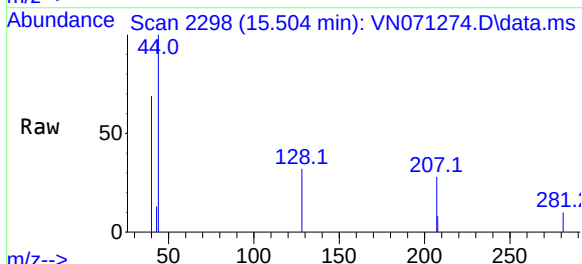
Tgt Ion:128 Resp: 1034

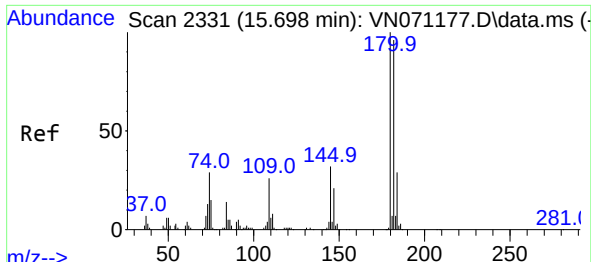
Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

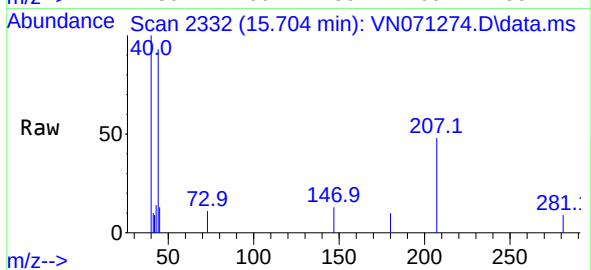
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.740 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071274.D
 Acq: 14 Mar 2022 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#06



Tgt Ion:180 Resp: 59
 Ion Ratio Lower Upper
 180 100
 182 284.7 47.4 142.2#
 145 0.0 15.0 45.1#

