

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071882.D
 Acq On : 06 Apr 2022 16:19
 Operator : JC\MD
 Sample : PB143897ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897ZHE#02

Quant Time: Apr 07 04:28:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

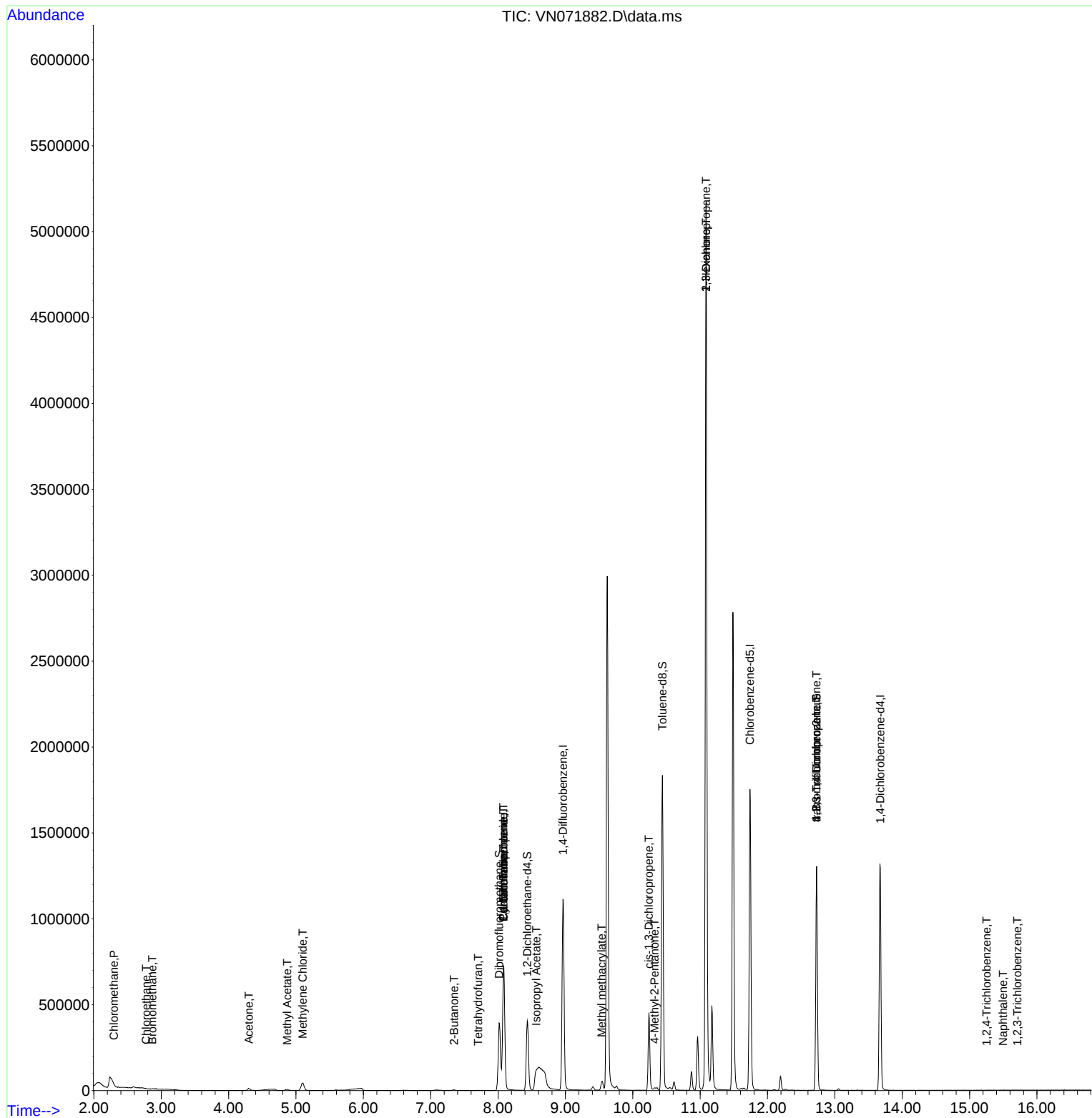
Internal Standards						
1) Pentafluorobenzene	8.081	168	605273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1056015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1096703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	405280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	337730	48.876	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.760%		
35) Dibromofluoromethane	8.016	113	297524	47.879	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.760%		
50) Toluene-d8	10.439	98	1343649	52.858	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.720%		
62) 4-Bromofluorobenzene	12.727	95	454056	55.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.460%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	1770	0.290	ug/l #	80
5) Bromomethane	2.869	94	1014	0.233	ug/l #	75
6) Chloroethane	2.775	64	2940	0.610	ug/l #	62
16) Acetone	4.298	43	19002	6.435	ug/l	94
18) Methyl Acetate	4.869	43	13927	0.403	ug/l	92
20) Methylene Chloride	5.098	84	39144	6.289	ug/l	94
25) 2-Butanone	7.345	43	7564	1.777	ug/l	94
29) Tetrahydrofuran	7.704	42	734	0.266	ug/l #	74
31) Cyclohexane	8.081	56	9918	1.055	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	40848	4.707	ug/l #	48
38) Carbon Tetrachloride	8.081	117	55205	6.491	ug/l #	18
43) Isopropyl Acetate	8.569	43	128889	8.159	ug/l #	72
48) Methyl methacrylate	9.539	41	13694	2.089	ug/l #	11
49) 1,4-Dioxane	9.622	88	554	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	8457	0.931	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	92042	8.684	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	57215	4.798	ug/l #	43
59) 2-Hexanone	11.086	43	713777	111.616	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	217320	23.147	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	217320	71.732	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.251	180	53	2.094	ug/l #	1
95) Naphthalene	15.498	128	933	3.850	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.709	180	311	2.462	ug/l #	42

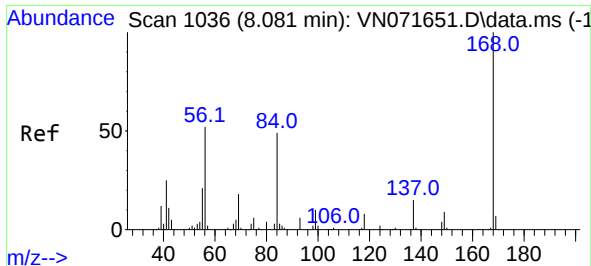
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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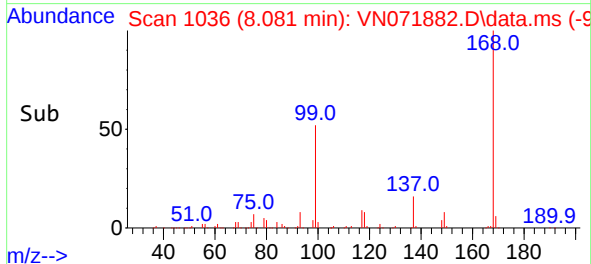
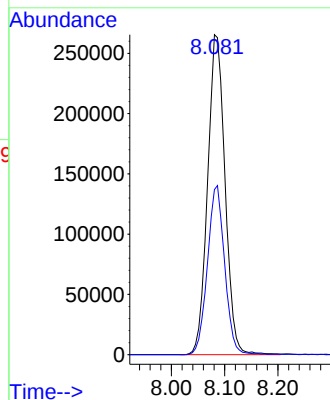
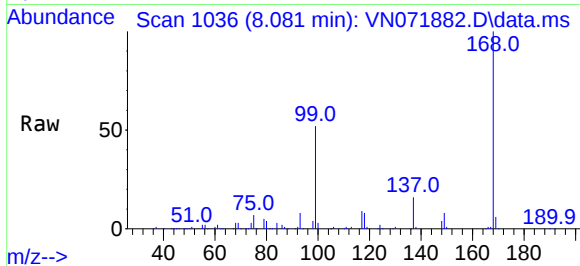




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

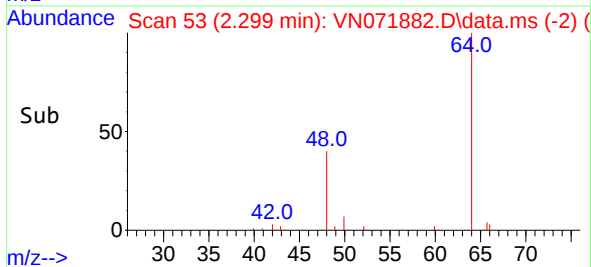
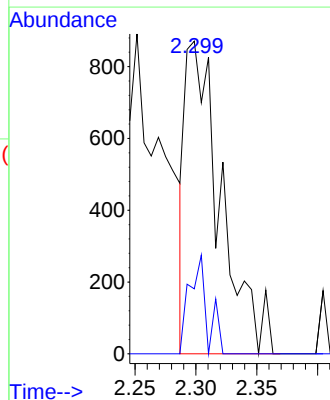
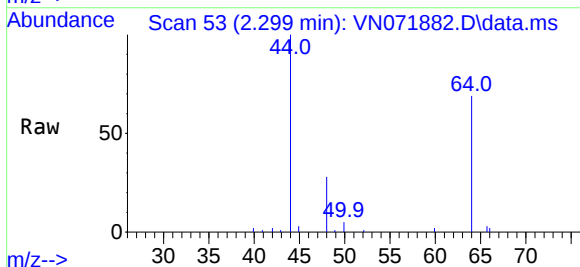
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

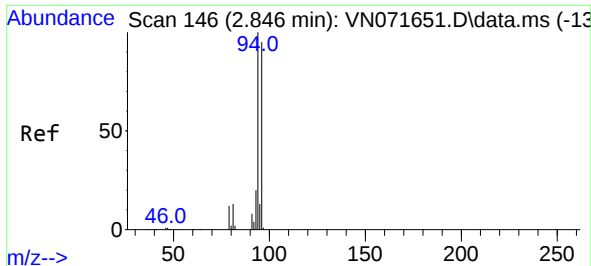
Tgt Ion:168 Resp: 605273
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#3
Chloromethane
Concen: 0.290 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 50 Resp: 1770
Ion Ratio Lower Upper
50 100
52 20.8 25.7 38.5#

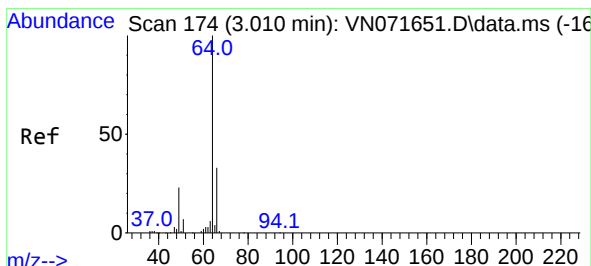
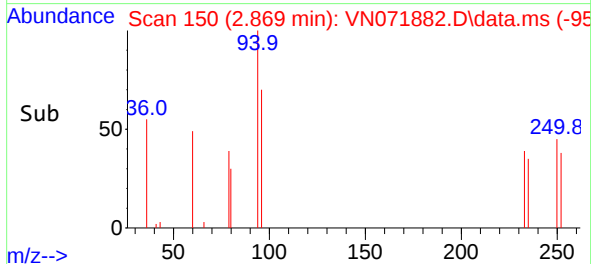
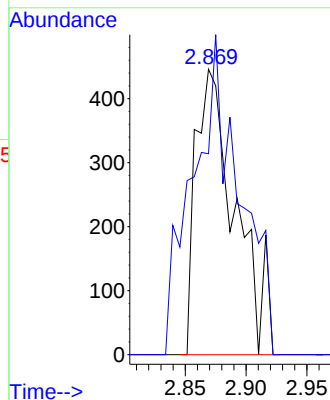
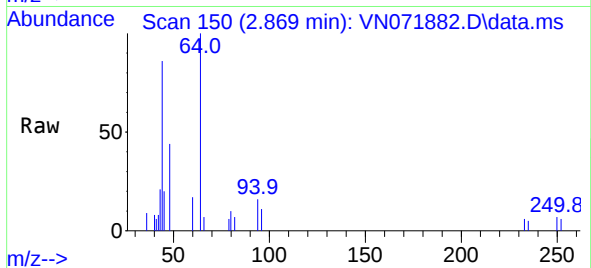




#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

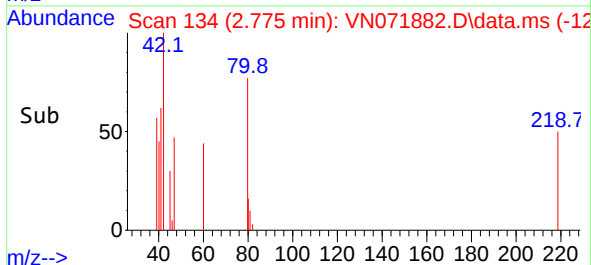
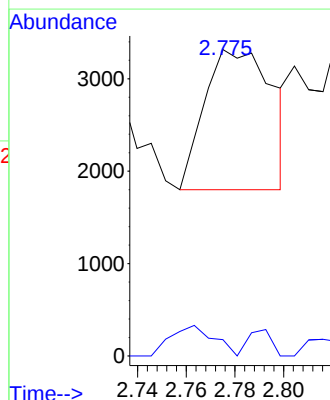
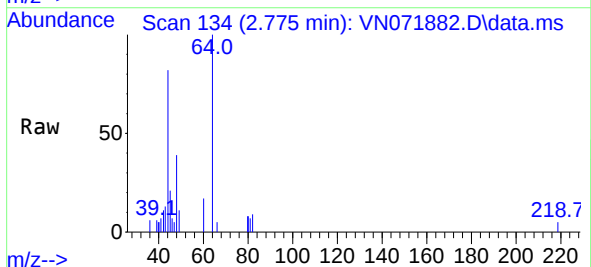
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

Tgt Ion: 94 Resp: 1014
Ion Ratio Lower Upper
94 100
96 70.4 76.0 114.0#



#6
Chloroethane
Concen: 0.610 ug/l
RT: 2.775 min Scan# 134
Delta R.T. -0.235 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 64 Resp: 2940
Ion Ratio Lower Upper
64 100
66 11.6 26.2 39.4#

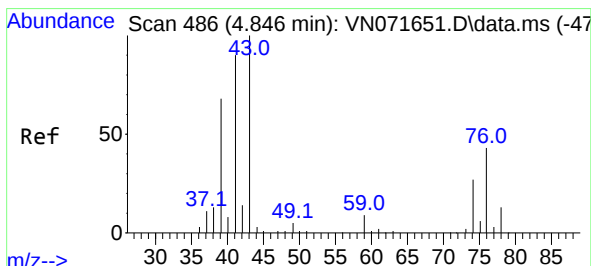
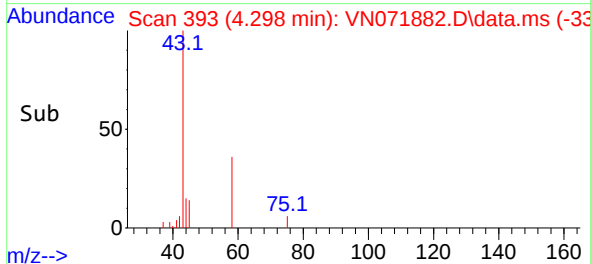
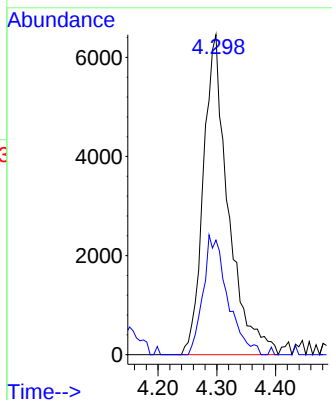
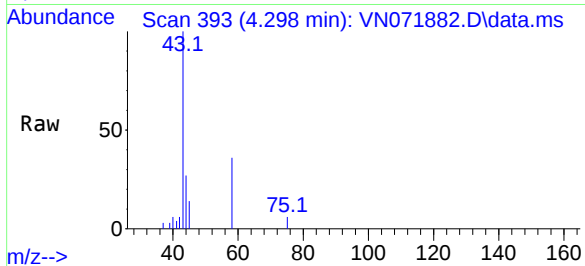




#16
Acetone
Concen: 6.435 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

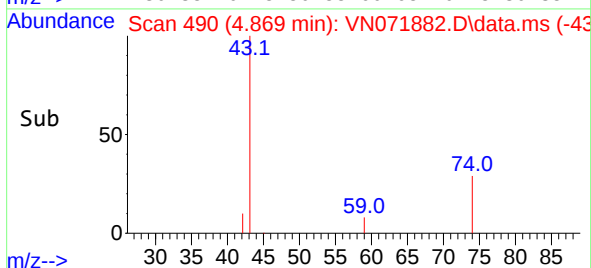
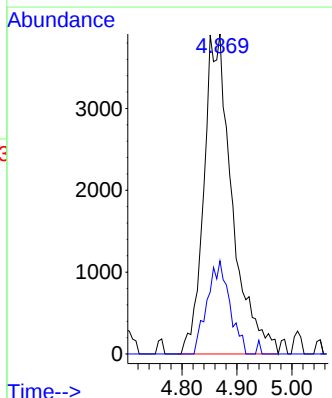
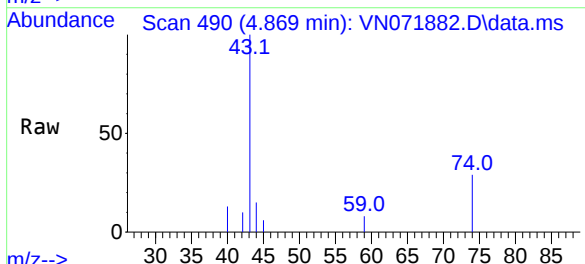
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

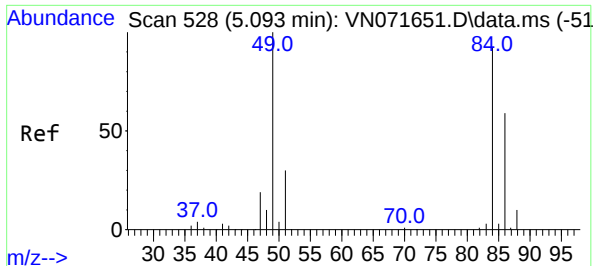
Tgt Ion: 43 Resp: 19002
Ion Ratio Lower Upper
43 100
58 35.8 26.0 39.0



#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

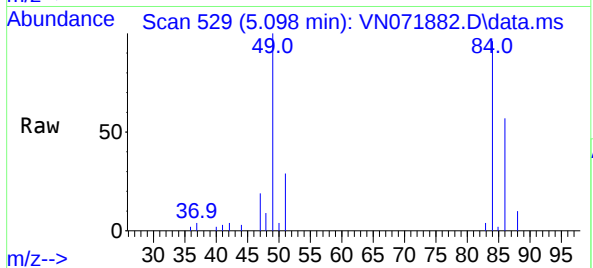
Tgt Ion: 43 Resp: 13927
Ion Ratio Lower Upper
43 100
74 23.0 21.6 32.4





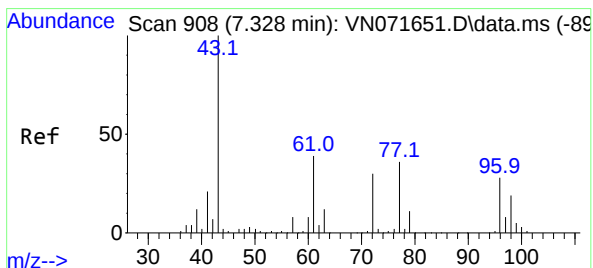
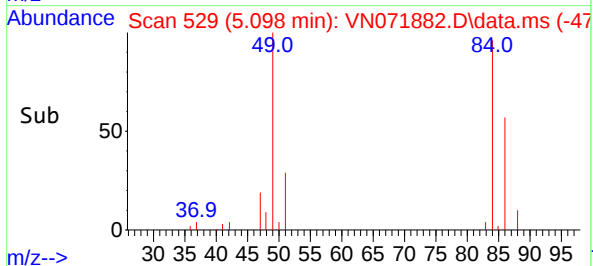
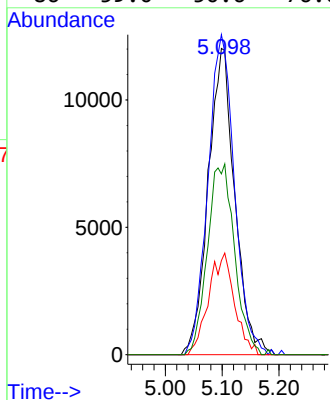
#20
Methylene Chloride
Concen: 6.289 ug/l
RT: 5.098 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02



Tgt Ion: 84 Resp: 39144

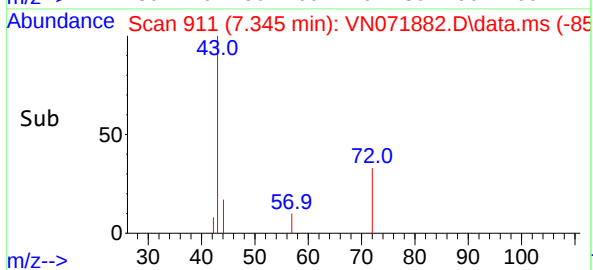
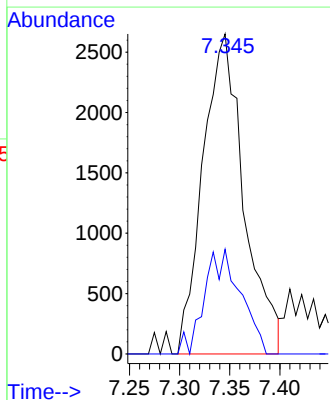
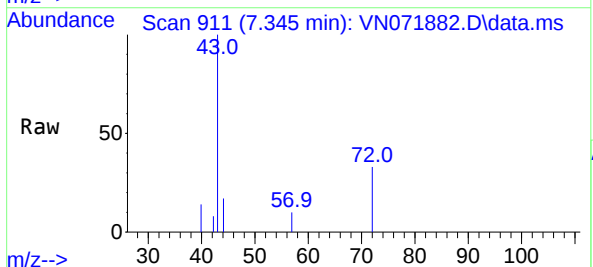
Ion	Ratio	Lower	Upper
84	100		
49	104.5	88.3	132.5
51	30.7	28.2	42.2
86	59.0	50.6	76.0

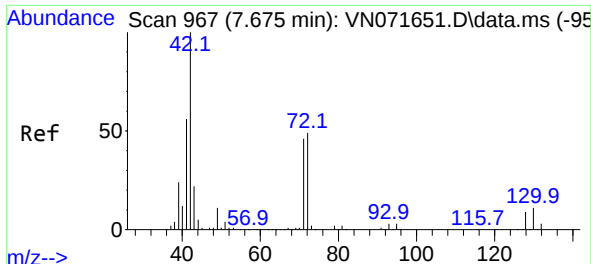


#25
2-Butanone
Concen: 1.777 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 43 Resp: 7564

Ion	Ratio	Lower	Upper
43	100		
72	32.7	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.704 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN071882.D

Acq: 06 Apr 2022 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB143897ZHE#02

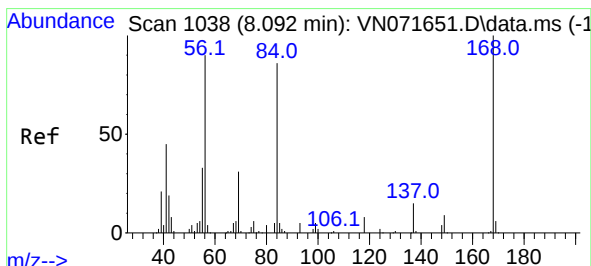
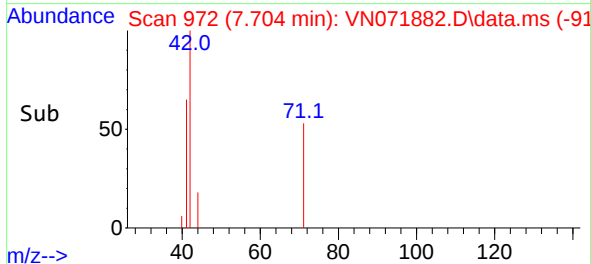
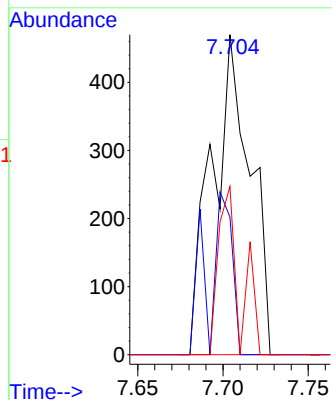
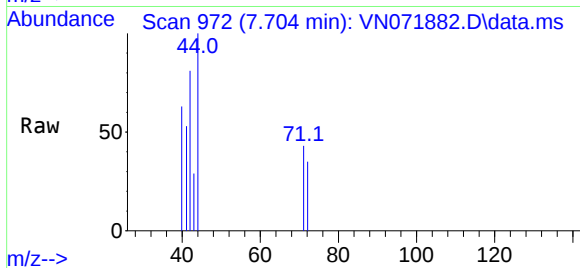
Tgt Ion: 42 Resp: 734

Ion Ratio Lower Upper

42 100

72 31.5 39.7 59.5#

71 29.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.055 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071882.D

Acq: 06 Apr 2022 16:19

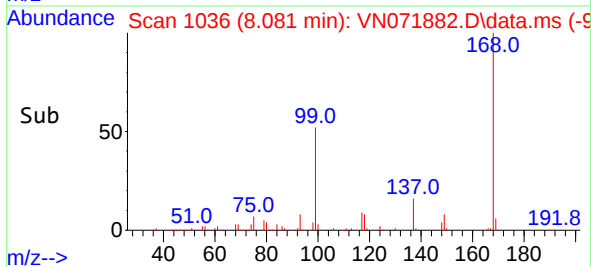
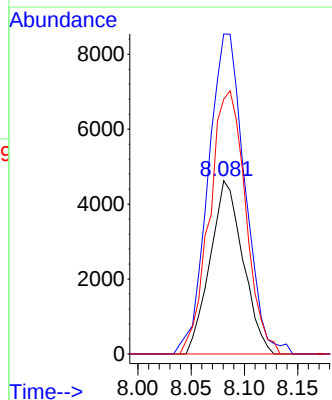
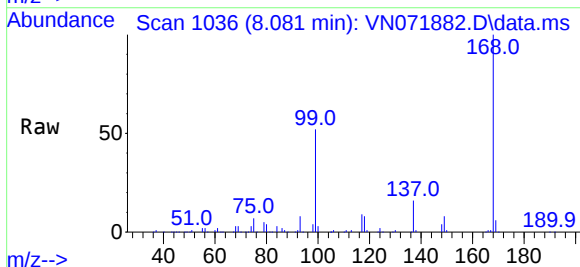
Tgt Ion: 56 Resp: 9918

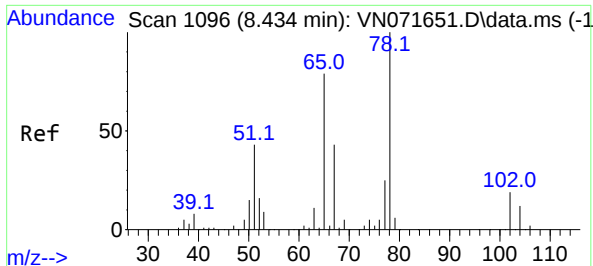
Ion Ratio Lower Upper

56 100

69 179.9 27.8 41.8#

84 147.0 76.9 115.3#

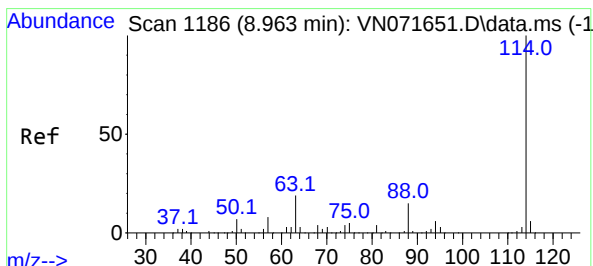
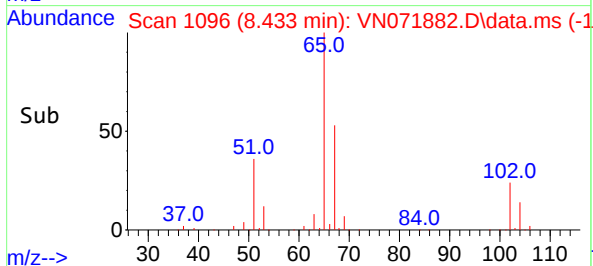
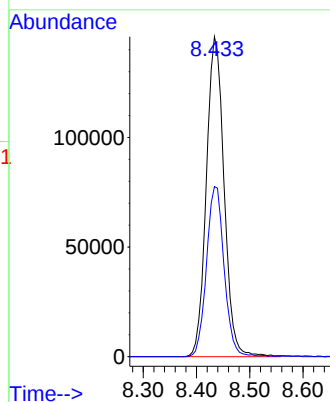
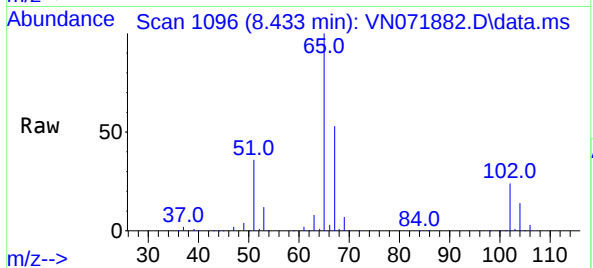




#33
1,2-Dichloroethane-d4
Concen: 48.876 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

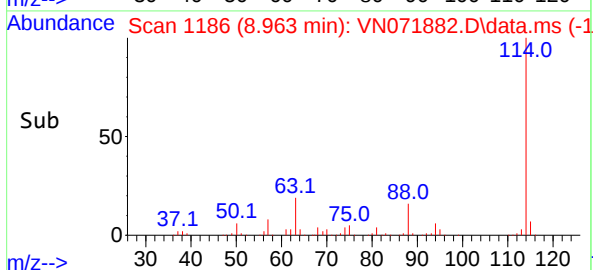
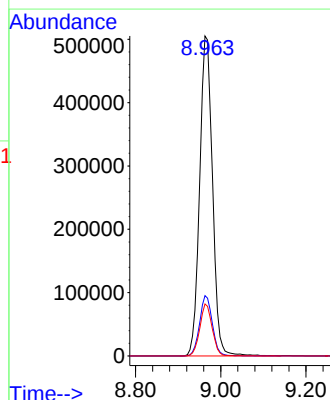
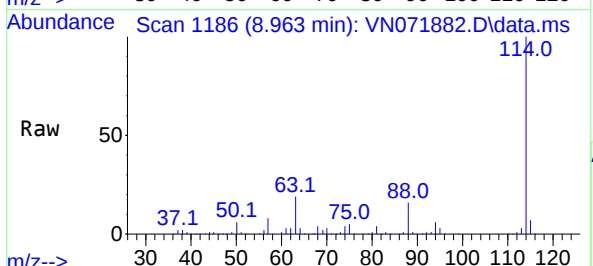
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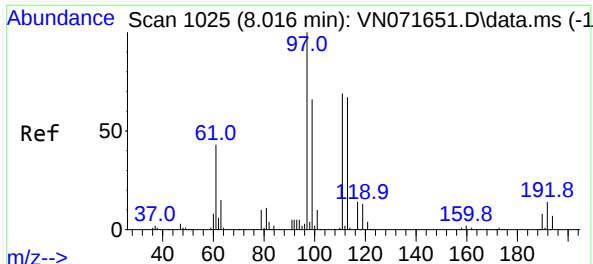
Tgt Ion: 65 Resp: 337730
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 114 Resp: 1056015
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 16.2 0.0 32.6

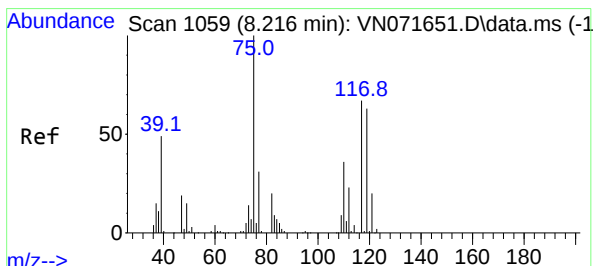
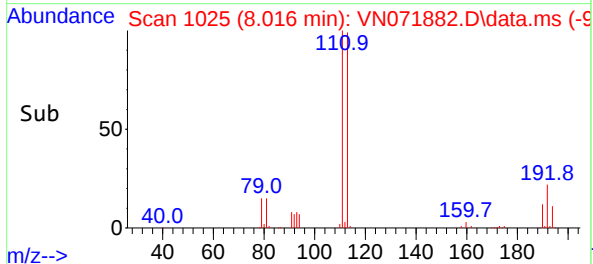
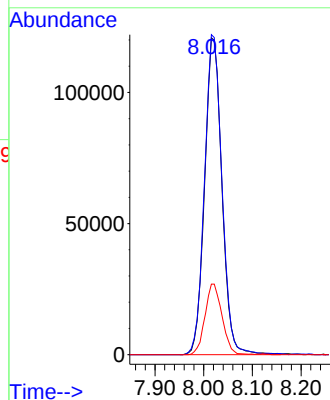
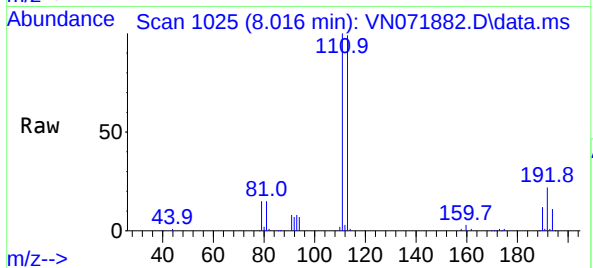




#35
Dibromofluoromethane
Concen: 47.879 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

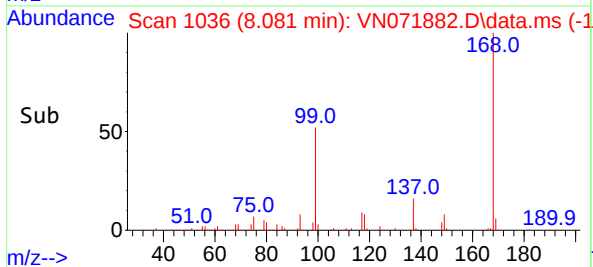
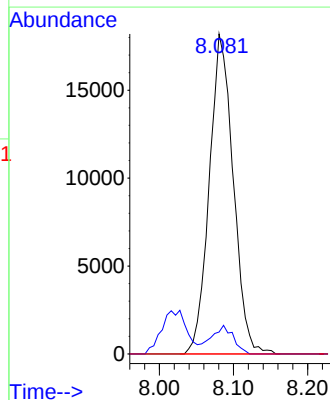
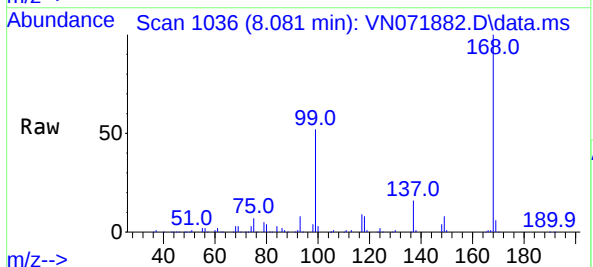
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

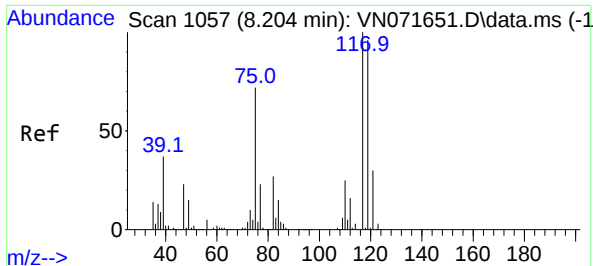
Tgt Ion:113 Resp: 297524
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 75 Resp: 40848
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#

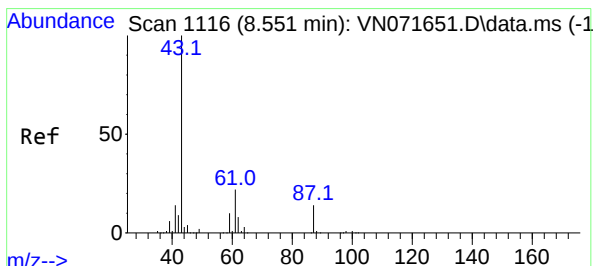
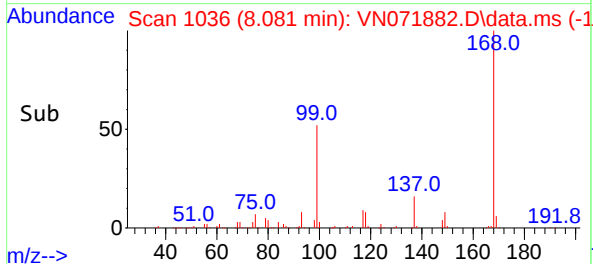
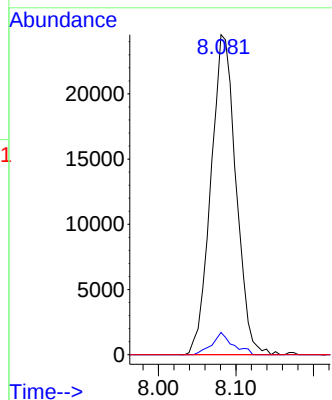
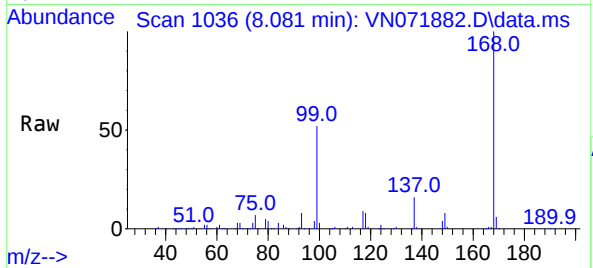




#38
Carbon Tetrachloride
Concen: 6.491 ug/l
RT: 8.081 min Scan# 1109
Delta R.T. -0.123 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

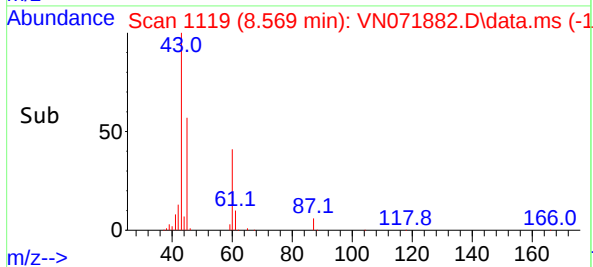
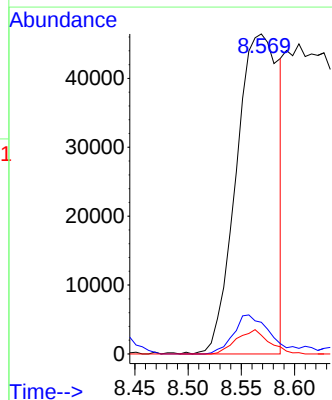
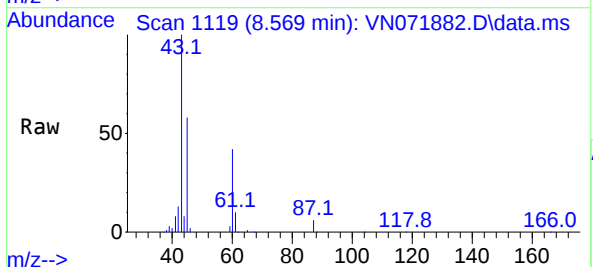
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

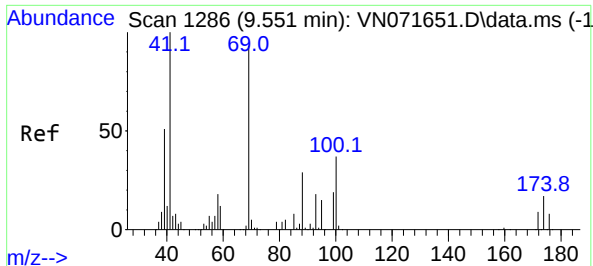
Tgt Ion:117 Resp: 55205
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 8.159 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 43 Resp: 128889
Ion Ratio Lower Upper
43 100
61 11.2 21.9 32.9#
87 5.8 12.0 18.0#

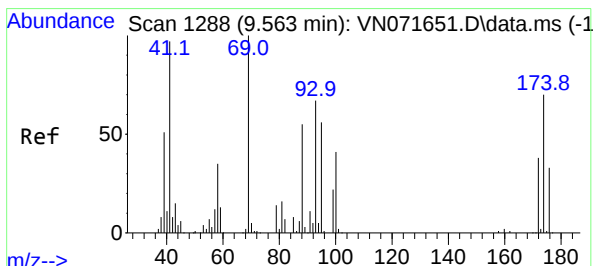
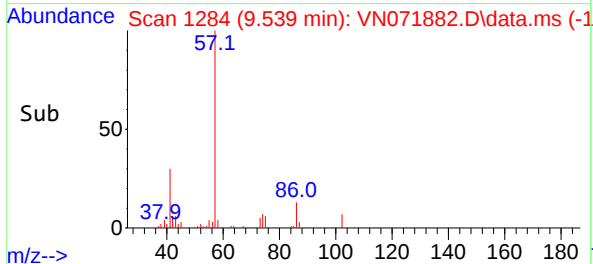
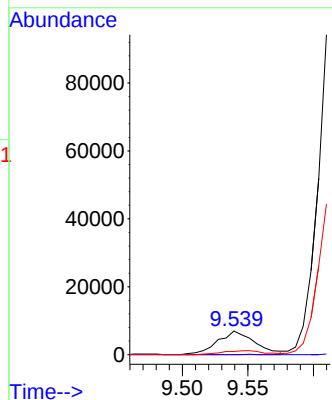
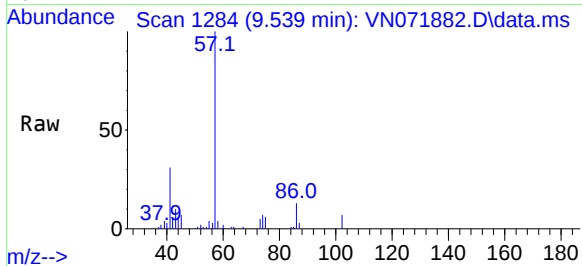




#48
Methyl methacrylate
Concen: 2.089 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

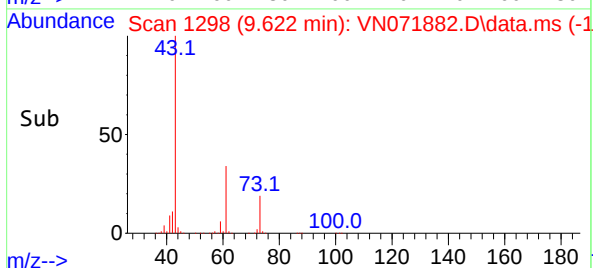
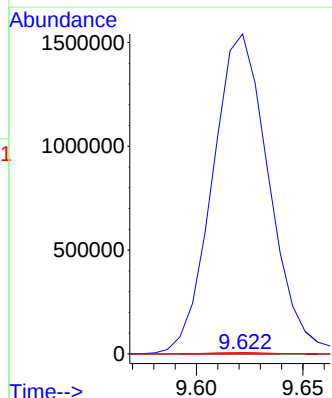
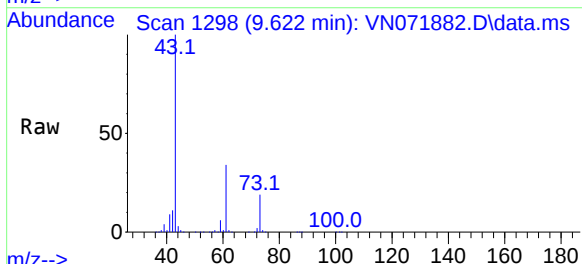
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

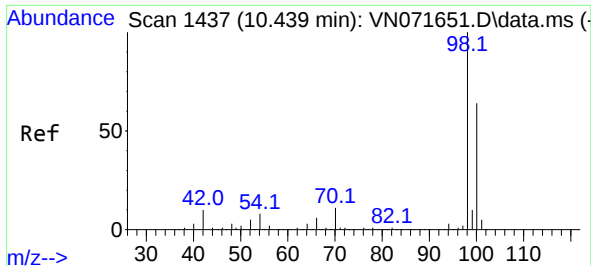
Tgt Ion: 41 Resp: 13694
Ion Ratio Lower Upper
41 100
69 0.4 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 88 Resp: 554
Ion Ratio Lower Upper
88 100
43 524646.4 20.2 30.4#
58 2619.7 54.2 81.4#

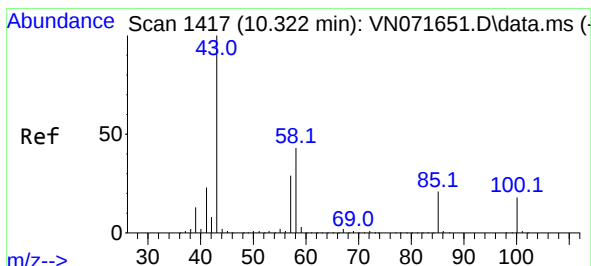
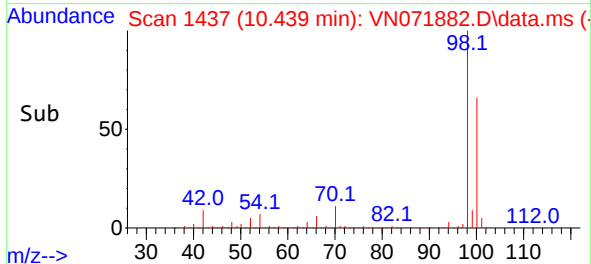
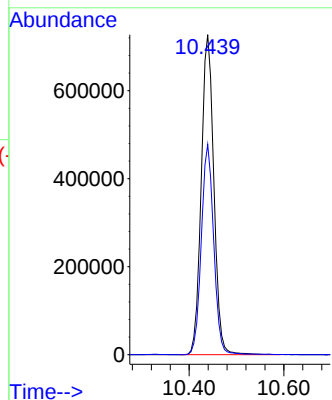
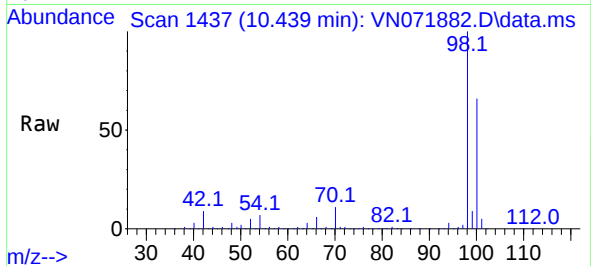




#50
Toluene-d8
Concen: 52.858 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

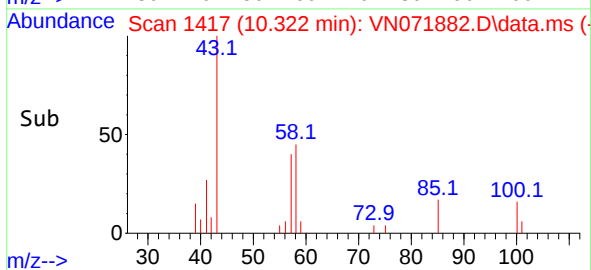
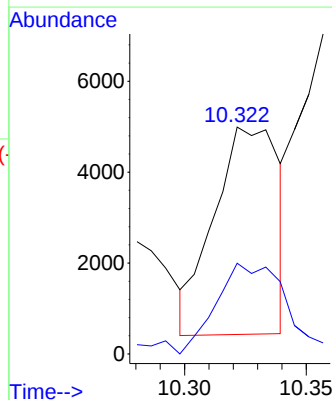
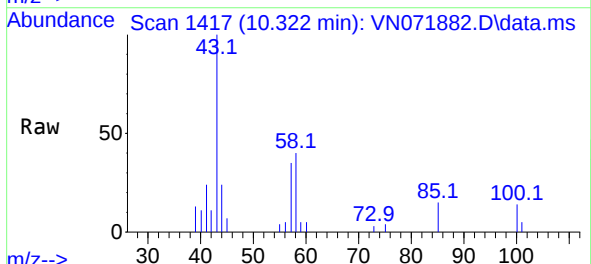
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

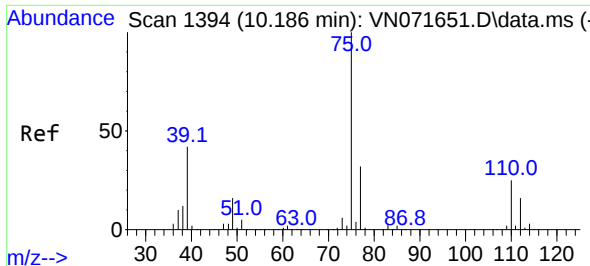
Tgt Ion: 98 Resp: 1343649
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.931 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 43 Resp: 8457
Ion Ratio Lower Upper
43 100
58 47.3 34.1 51.1

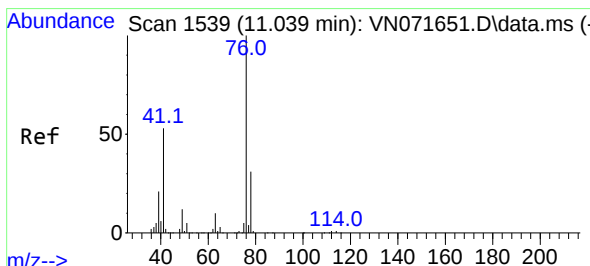
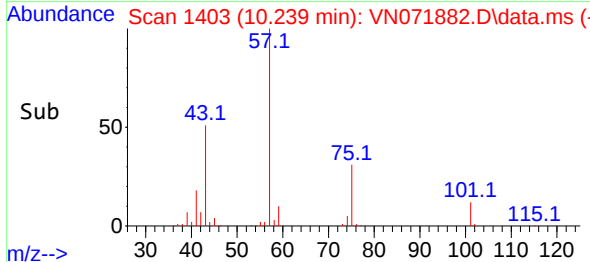
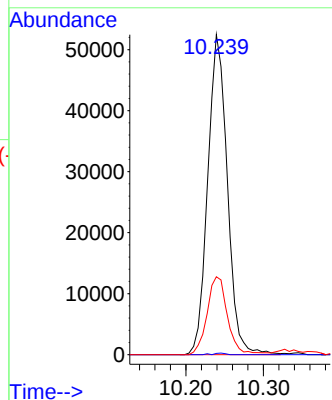
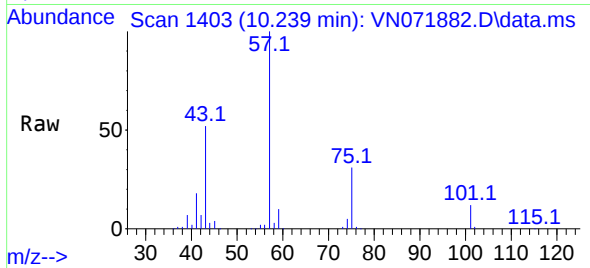




#54
cis-1,3-Dichloropropene
Concen: 8.684 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

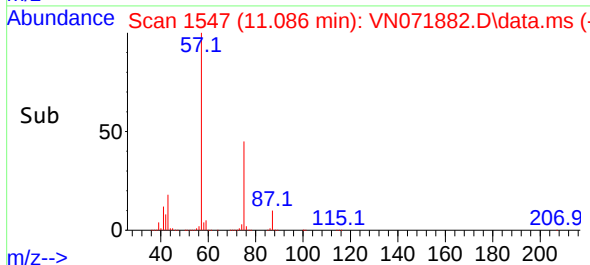
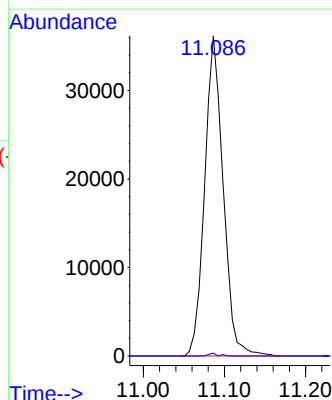
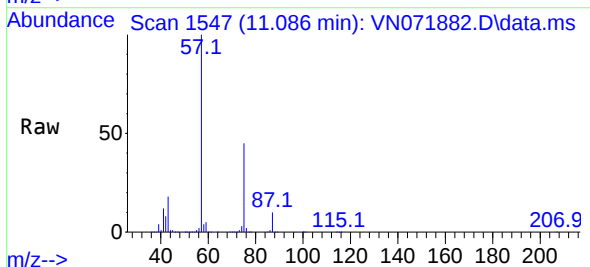
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

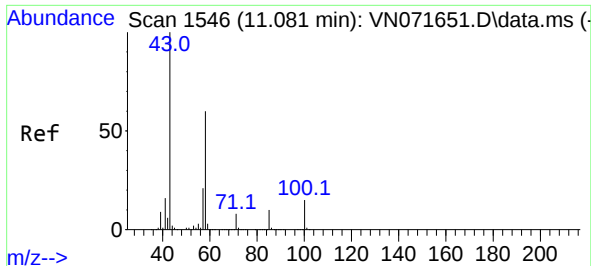
Tgt Ion: 75 Resp: 92042
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 24.3 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.798 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 76 Resp: 57215
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

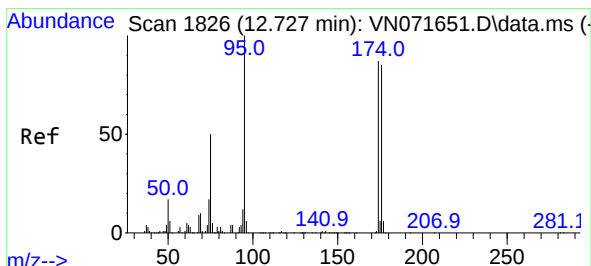
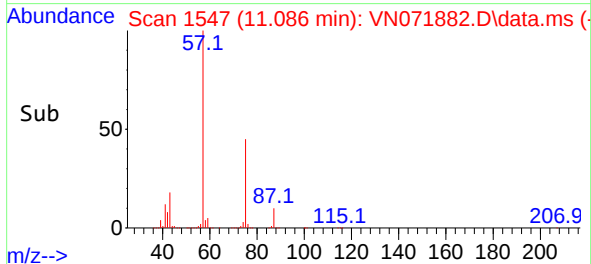
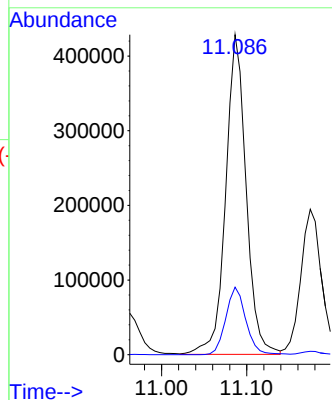
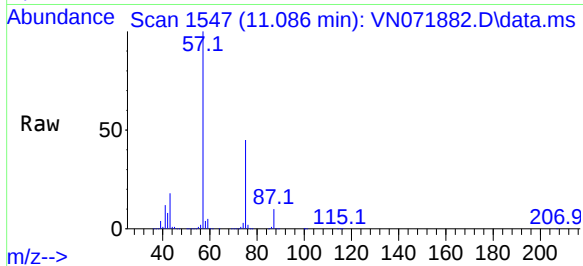




#59
2-Hexanone
Concen: 111.616 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

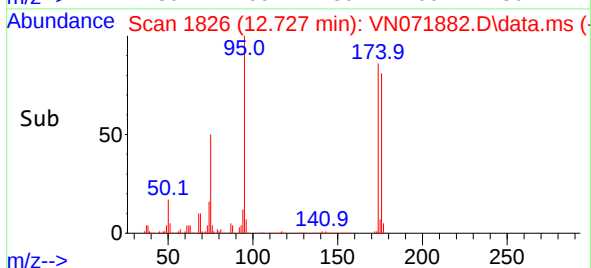
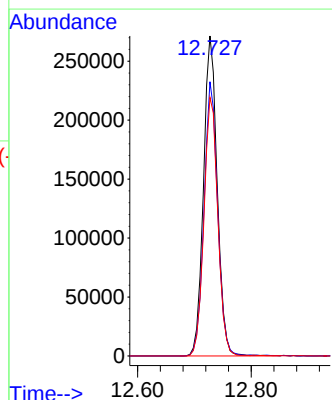
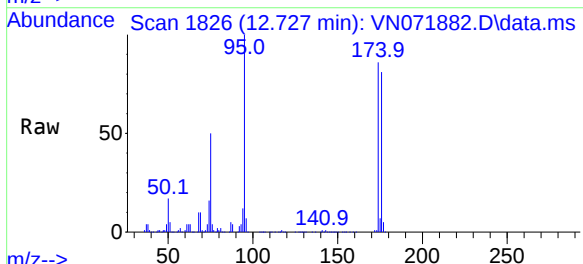
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

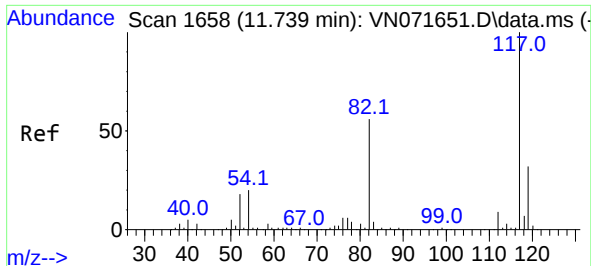
Tgt Ion: 43 Resp: 713777
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.229 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 95 Resp: 454056
Ion Ratio Lower Upper
95 100
174 85.0 0.0 167.6
176 81.6 0.0 163.4

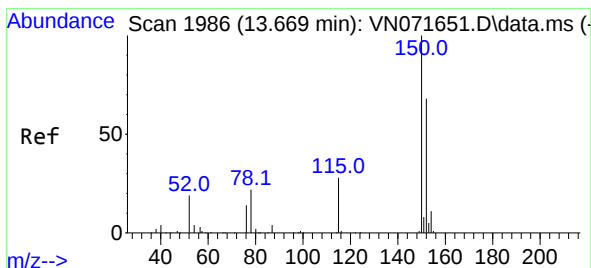
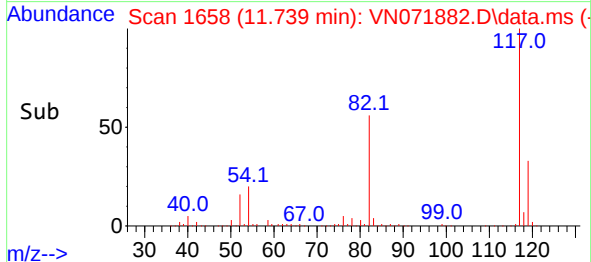
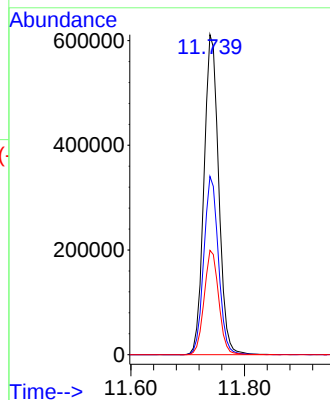
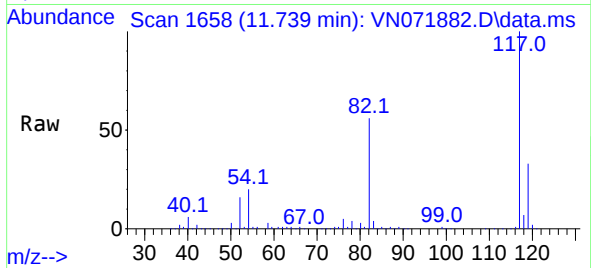




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

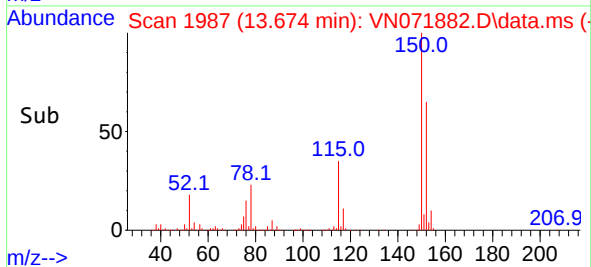
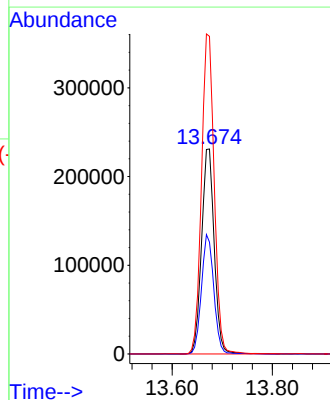
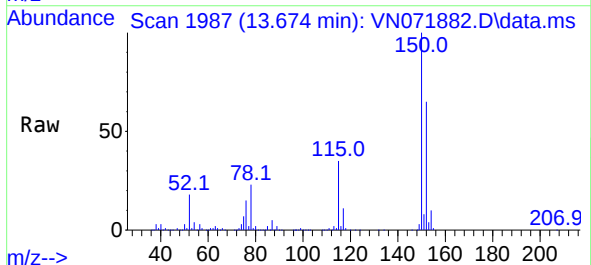
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

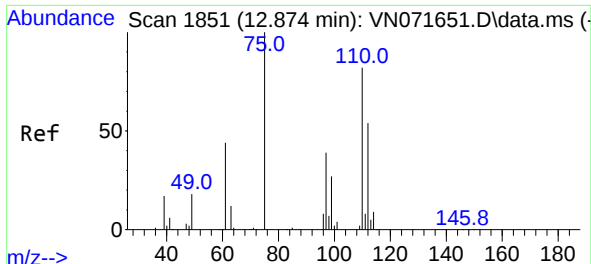
Tgt Ion:117 Resp: 1096703
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion:152 Resp: 405280
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 156.9 0.0 356.2

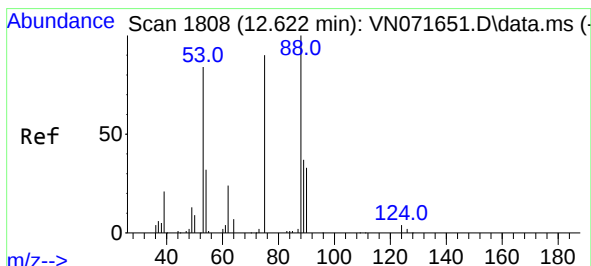
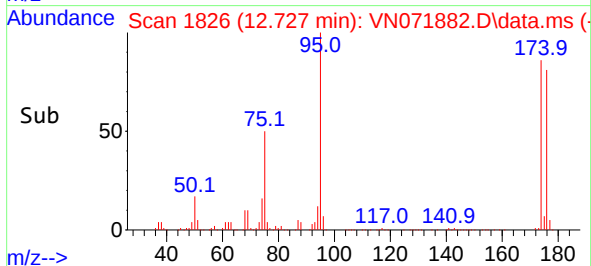
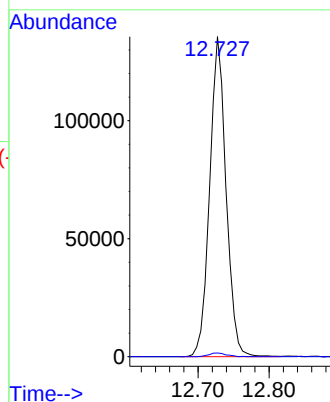
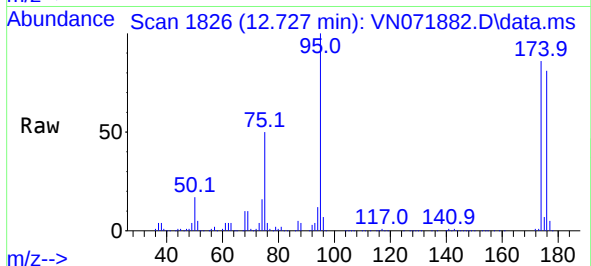




#76
1,2,3-Trichloropropane
Concen: 23.147 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

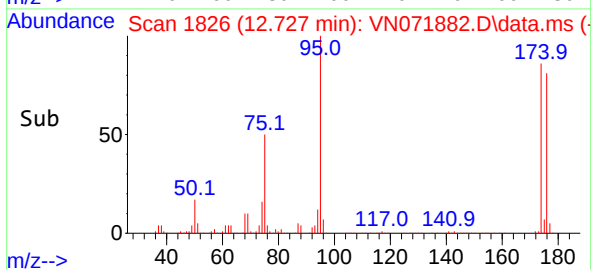
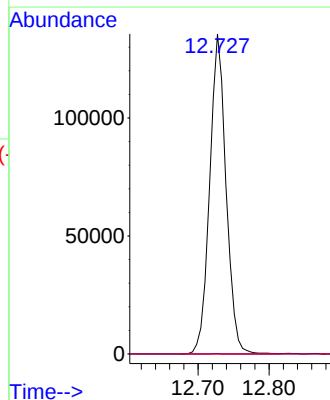
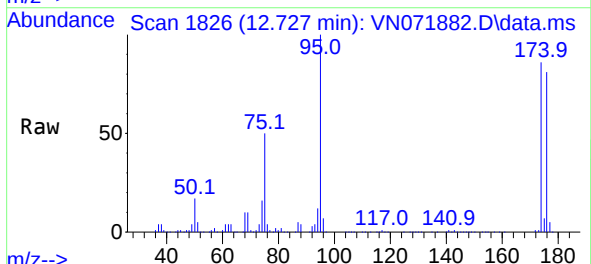
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

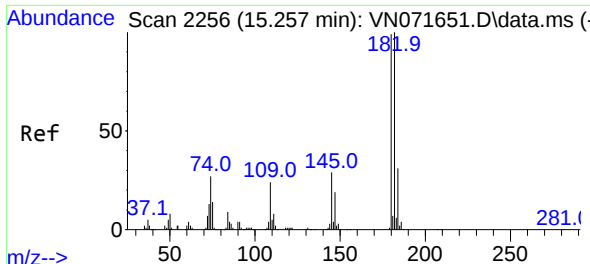
Tgt Ion: 75 Resp: 217320
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.732 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

Tgt Ion: 75 Resp: 217320
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

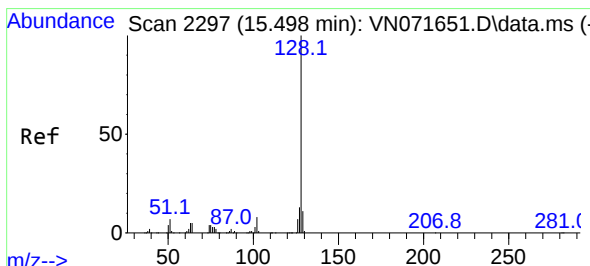
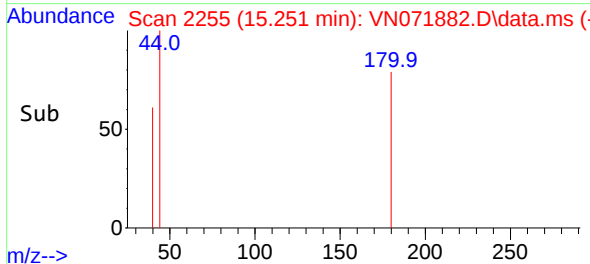
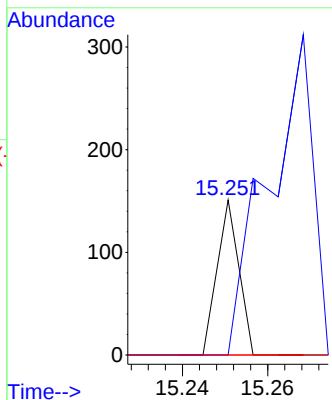
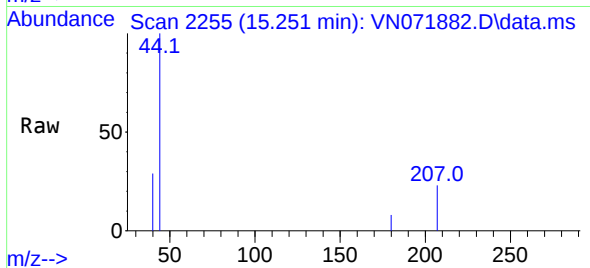




#93
1,2,4-Trichlorobenzene
Concen: 2.094 ug/l
RT: 15.251 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

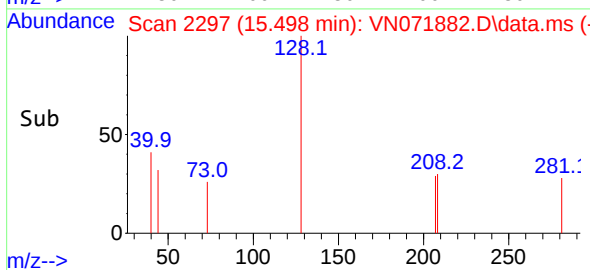
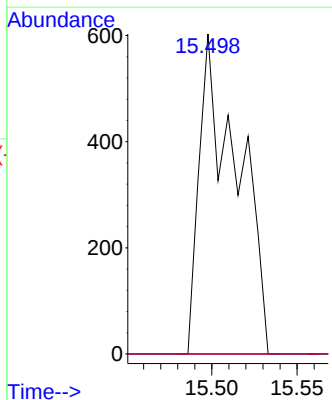
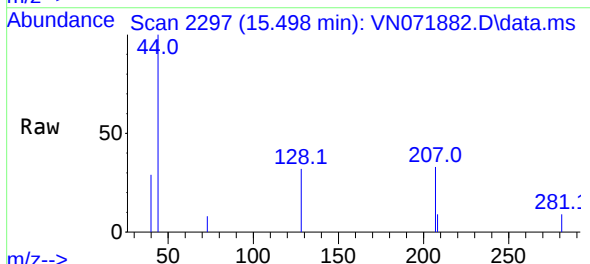
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#02

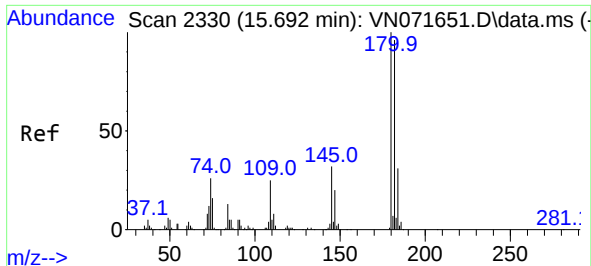
Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 424.5 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.850 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071882.D
Acq: 06 Apr 2022 16:19

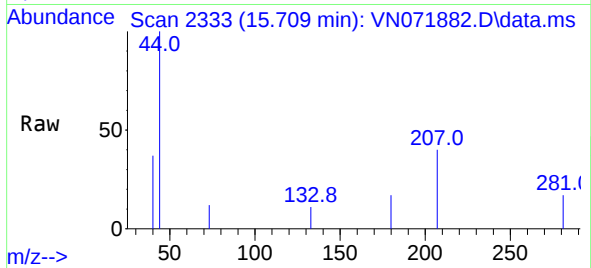
Tgt Ion:128 Resp: 933
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.462 ug/l
 RT: 15.709 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: VN071882.D
 Acq: 06 Apr 2022 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897ZHE#02



Tgt Ion:	180	Resp:	311
Ion	Ratio	Lower	Upper
180	100		
182	27.7	47.8	143.3#
145	18.6	15.5	46.5

