

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071885.D
 Acq On : 06 Apr 2022 17:31
 Operator : JC\MD
 Sample : PB143897ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897ZHE#05

Quant Time: Apr 07 04:29:18 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)

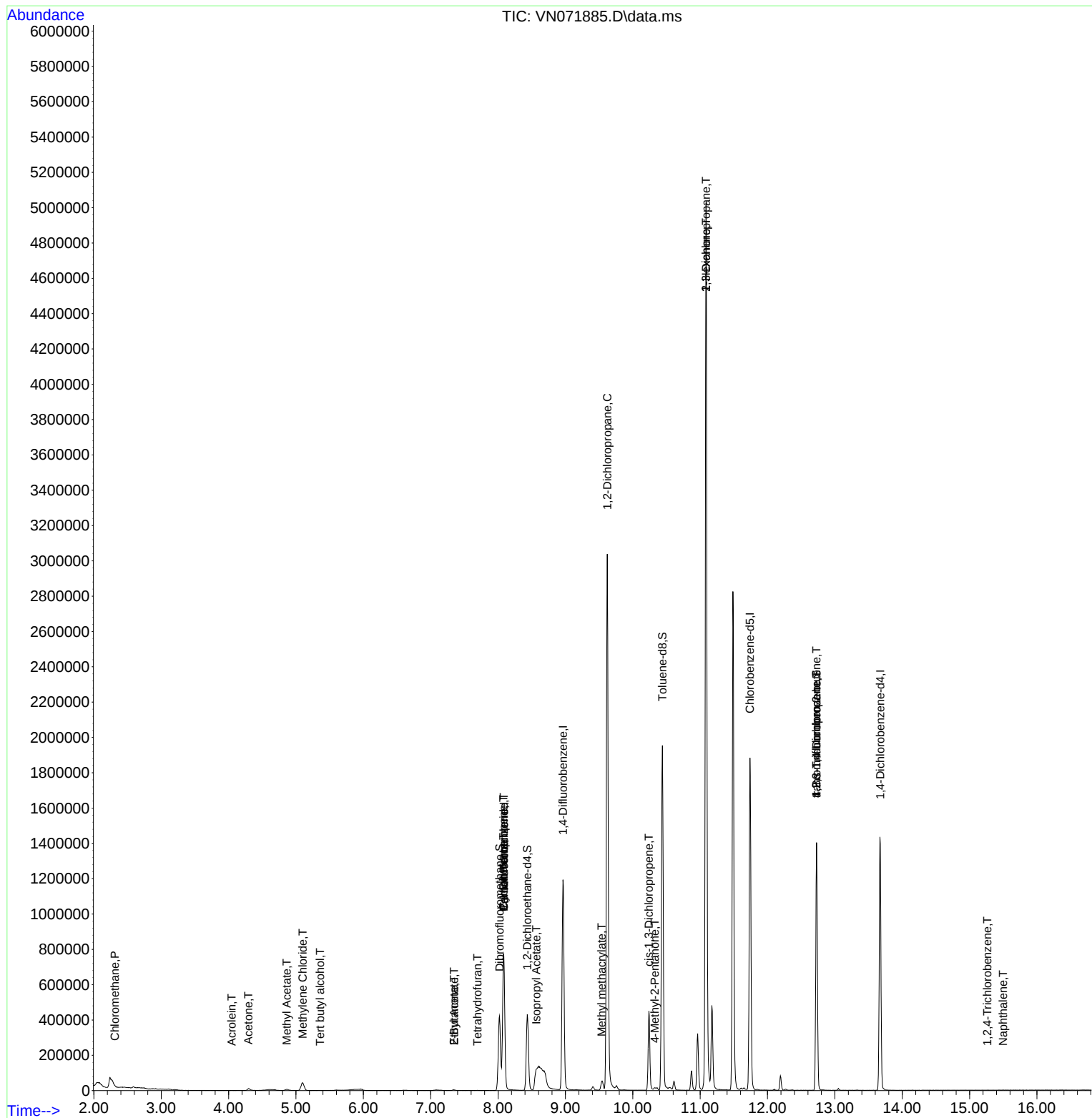
Internal Standards						
1) Pentafluorobenzene	8.086	168	652370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1124581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1175371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	431381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	357802	48.043	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.080%		
35) Dibromofluoromethane	8.022	113	313509	47.376	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.760%		
50) Toluene-d8	10.439	98	1436999	53.083	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.160%		
62) 4-Bromofluorobenzene	12.727	95	491208	56.105	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.220%		
Target Compounds						Qvalue
3) Chloromethane	2.310	50	1585	0.241	ug/l #	43
11) Tert butyl alcohol	5.357	59	397	0.328	ug/l #	72
13) Acrolein	4.045	56	364	0.247	ug/l #	58
16) Acetone	4.292	43	18229	5.727	ug/l #	78
18) Methyl Acetate	4.863	43	14927	0.392	ug/l	100
20) Methylene Chloride	5.098	84	39139	5.834	ug/l	96
25) 2-Butanone	7.345	43	7930	1.728	ug/l	98
29) Tetrahydrofuran	7.692	42	793	0.267	ug/l #	57
31) Cyclohexane	8.080	56	11012	1.087	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	42701	4.621	ug/l #	48
37) Ethyl Acetate	7.345	43	7930	0.784	ug/l #	67
38) Carbon Tetrachloride	8.086	117	57014	6.295	ug/l #	16
43) Isopropyl Acetate	8.569	43	126117	7.496	ug/l #	73
45) 1,2-Dichloropropane	9.622	63	3968	0.544	ug/l #	44
48) Methyl methacrylate	9.539	41	13196	1.891	ug/l #	10
49) 1,4-Dioxane	9.616	88	345	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	10122	1.046	ug/l	92
54) cis-1,3-Dichloropropene	10.239	75	90610	8.028	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	57385	4.519	ug/l #	42
59) 2-Hexanone	11.086	43	716814	105.257	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	234667	23.483	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	234667	72.771	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	216	2.116	ug/l #	34
95) Naphthalene	15.498	128	596	3.831	ug/l #	69

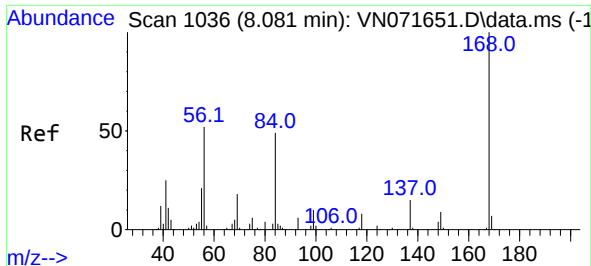
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 07 04:29:18 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

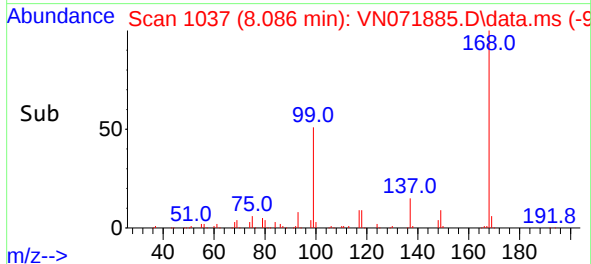
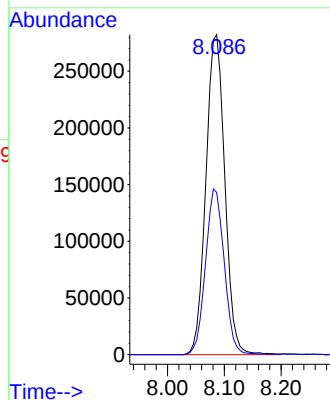
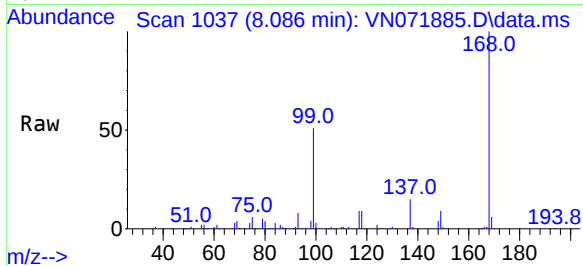




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

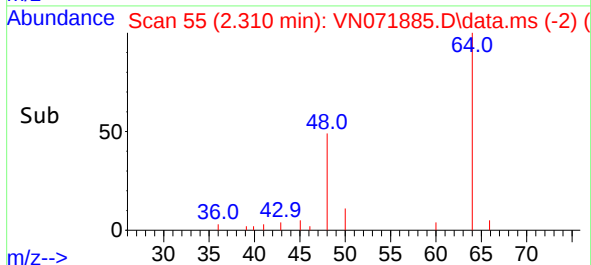
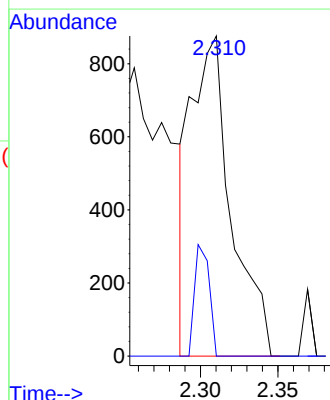
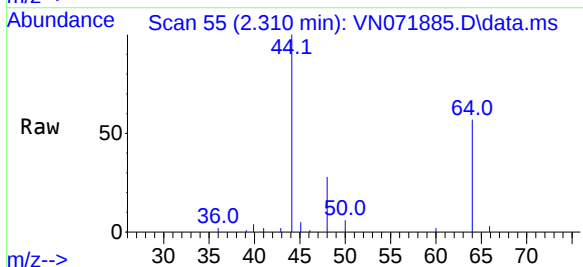
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

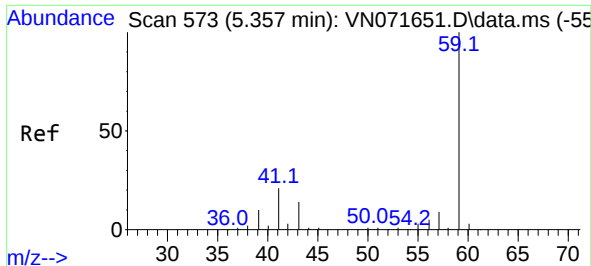
Tgt Ion:168 Resp: 652370
Ion Ratio Lower Upper
168 100
99 50.7 42.3 63.5



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 50 Resp: 1585
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

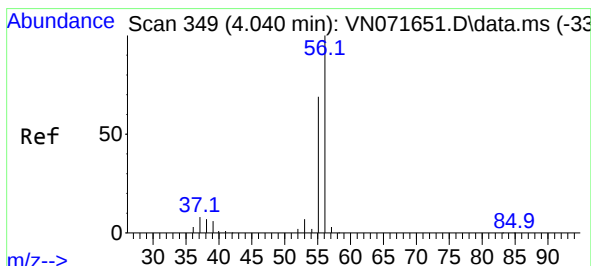
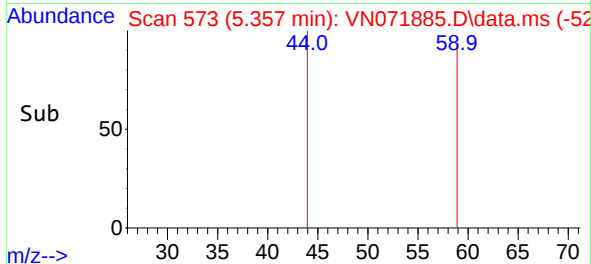
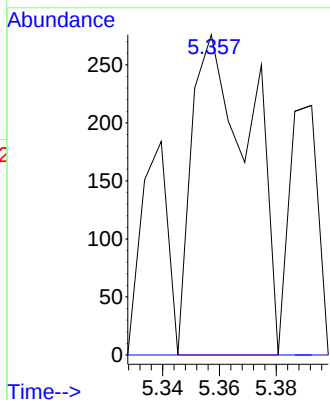
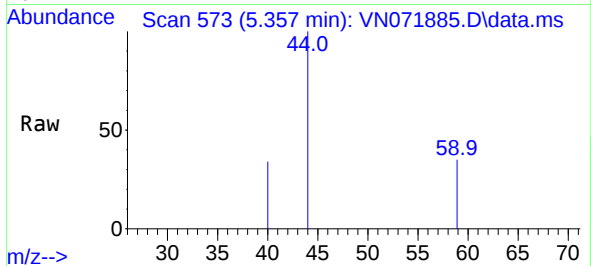




#11
Tert butyl alcohol
Concen: 0.328 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

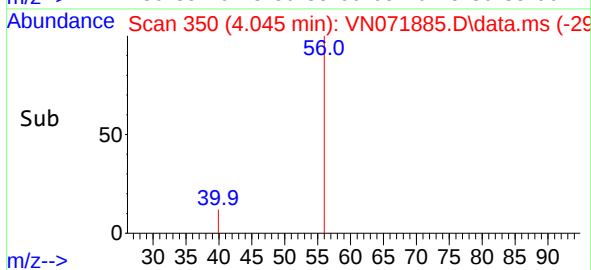
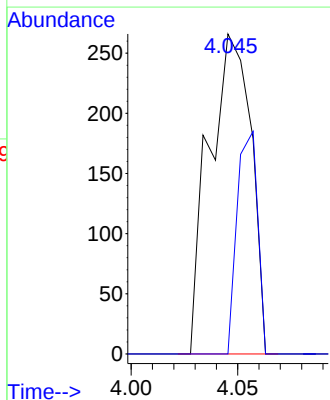
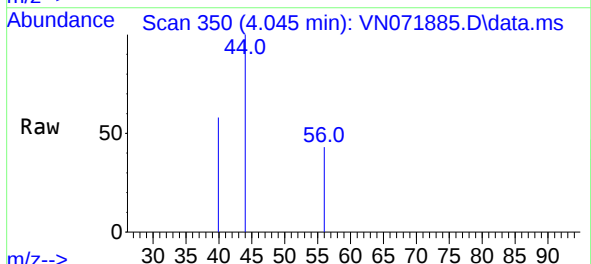
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

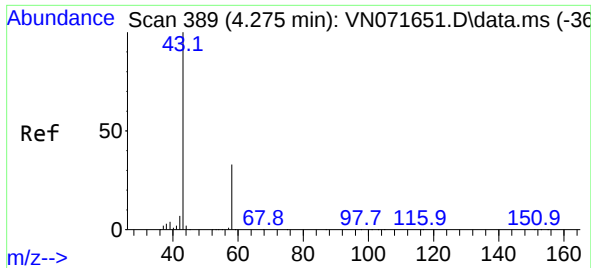
Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.247 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 34.1 54.8 82.2#

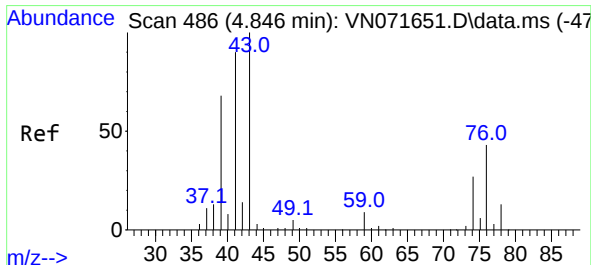
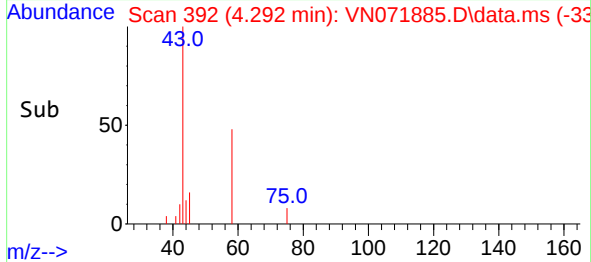
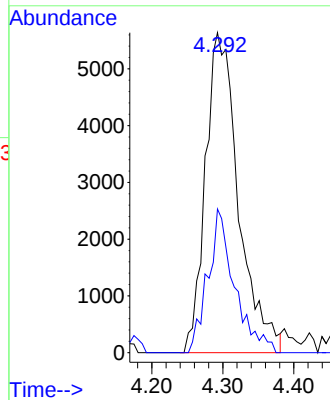
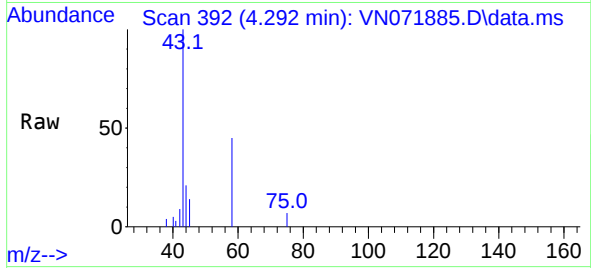




#16
Acetone
Concen: 5.727 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.017 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

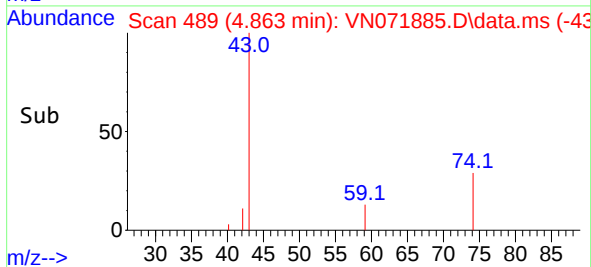
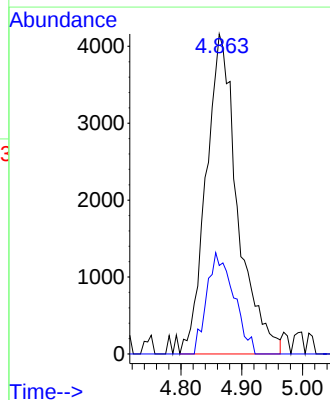
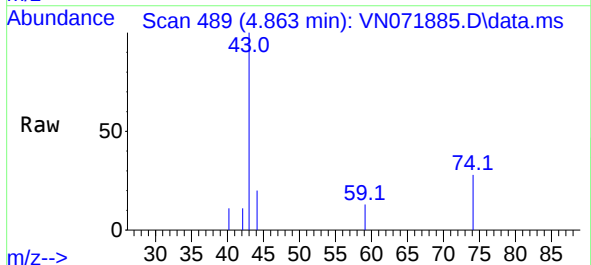
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

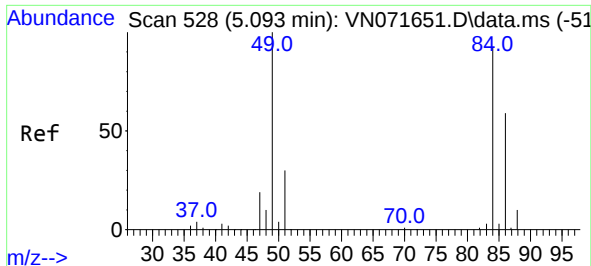
Tgt Ion: 43 Resp: 18229
Ion Ratio Lower Upper
43 100
58 44.9 26.0 39.0#



#18
Methyl Acetate
Concen: 0.392 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 43 Resp: 14927
Ion Ratio Lower Upper
43 100
74 27.0 21.6 32.4



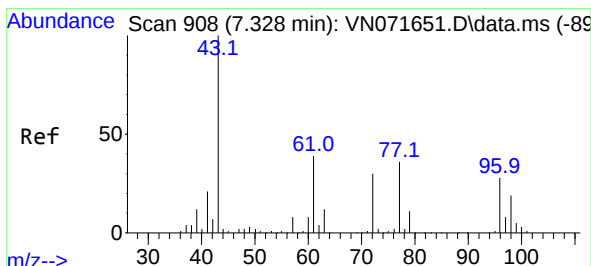
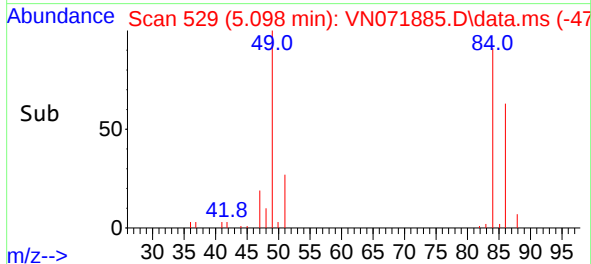
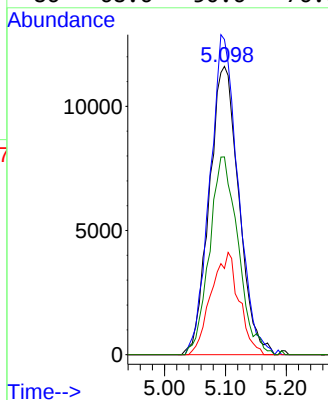
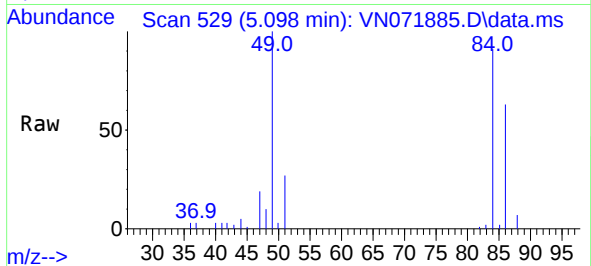


#20
Methylene Chloride
Concen: 5.834 ug/l
RT: 5.098 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

Tgt Ion: 84 Resp: 39139

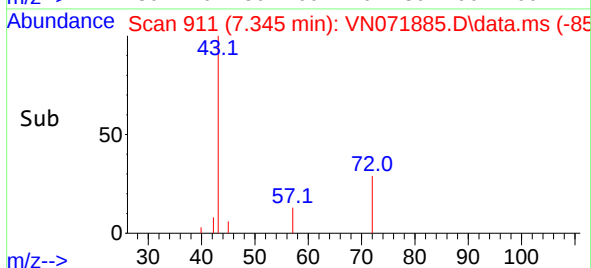
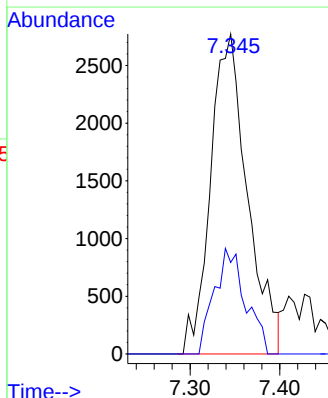
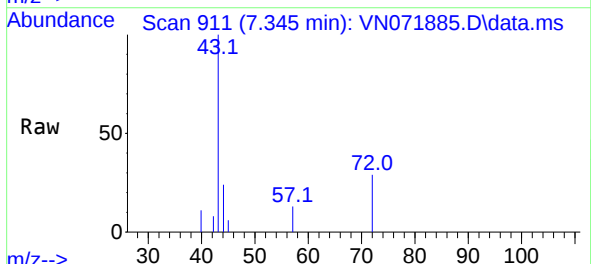
Ion	Ratio	Lower	Upper
84	100		
49	109.3	88.3	132.5
51	29.9	28.2	42.2
86	68.6	50.6	76.0

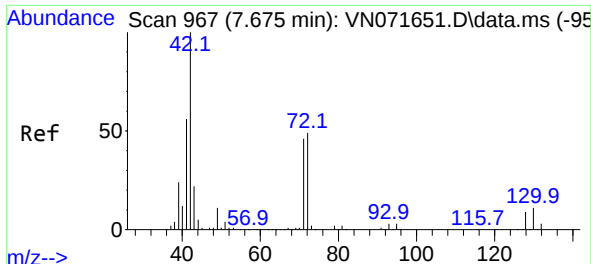


#25
2-Butanone
Concen: 1.728 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 43 Resp: 7930

Ion	Ratio	Lower	Upper
43	100		
72	28.6	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.267 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN071885.D

Acq: 06 Apr 2022 17:31

Instrument :

MSVOA_N

ClientSampleId :

PB143897ZHE#05

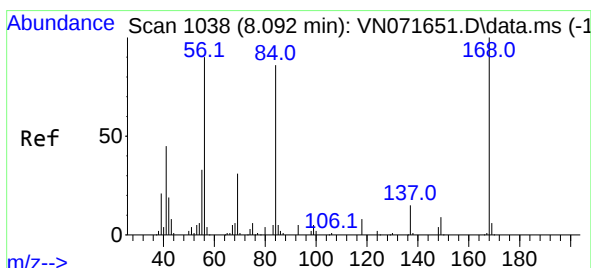
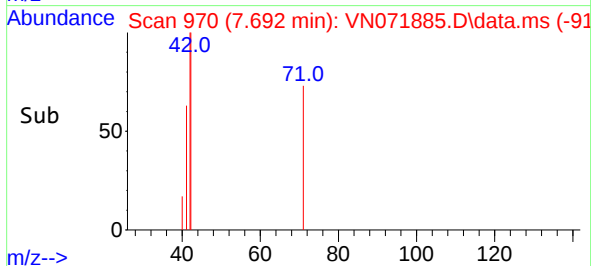
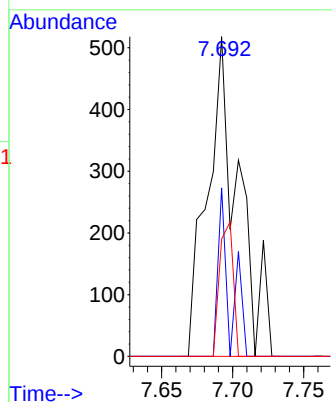
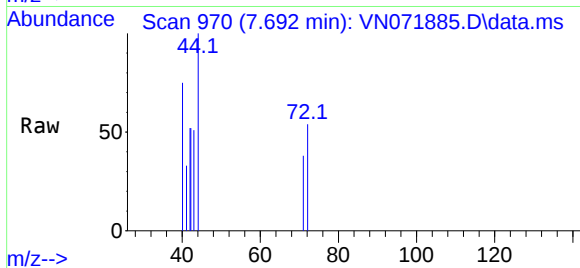
Tgt Ion: 42 Resp: 793

Ion Ratio Lower Upper

42 100

72 19.7 39.7 59.5#

71 18.2 36.6 55.0#



#31

Cyclohexane

Concen: 1.087 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071885.D

Acq: 06 Apr 2022 17:31

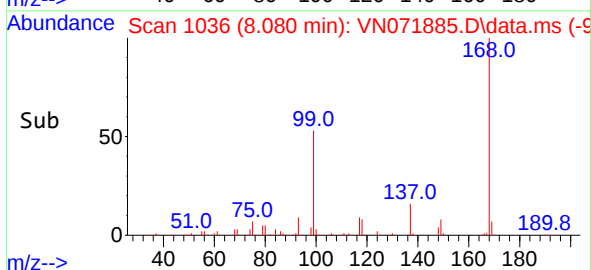
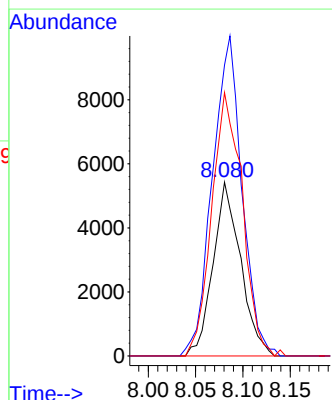
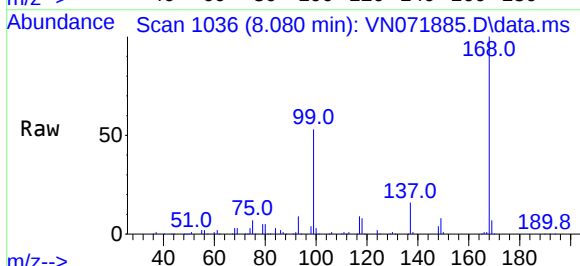
Tgt Ion: 56 Resp: 11012

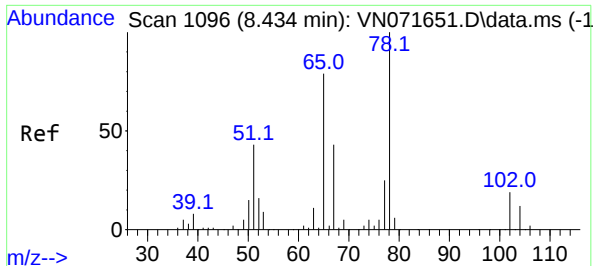
Ion Ratio Lower Upper

56 100

69 167.3 27.8 41.8#

84 151.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.043 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071885.D

Acq: 06 Apr 2022 17:31

Instrument :

MSVOA_N

ClientSampleId :

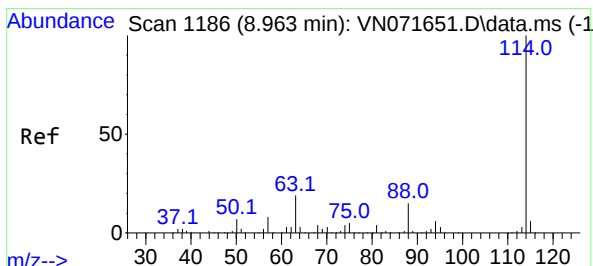
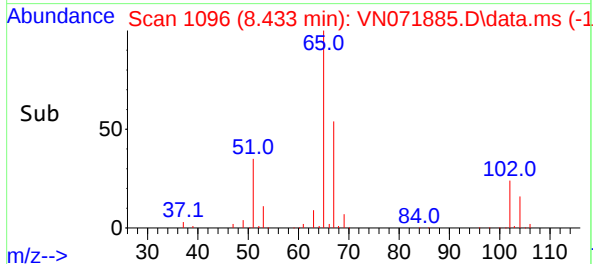
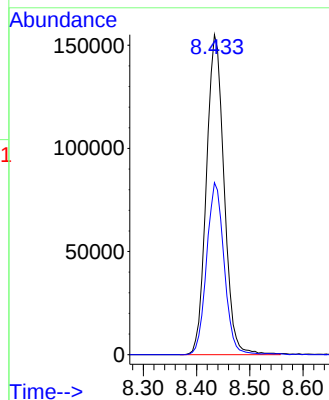
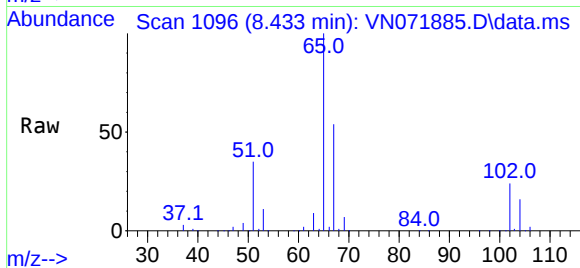
PB143897ZHE#05

Tgt Ion: 65 Resp: 357802

Ion Ratio Lower Upper

65 100

67 53.3 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: VN071885.D

Acq: 06 Apr 2022 17:31

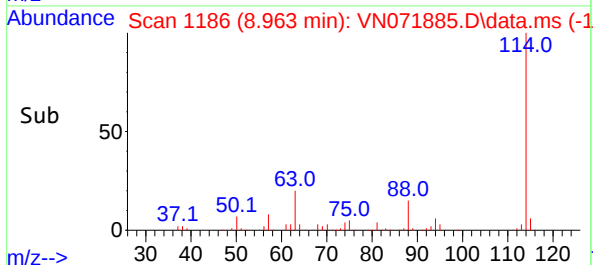
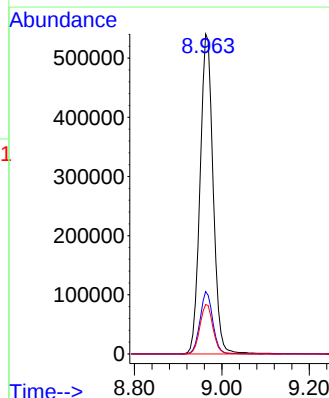
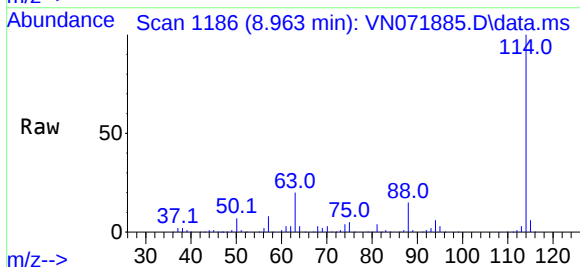
Tgt Ion: 114 Resp: 1124581

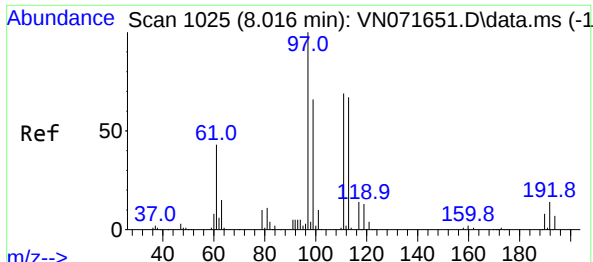
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

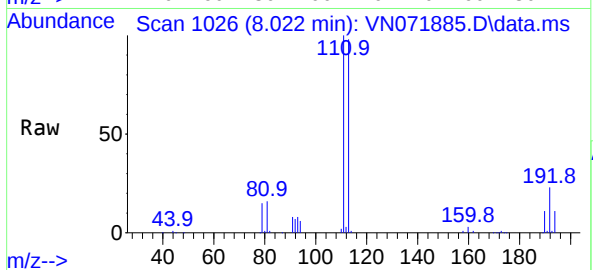
88 15.4 0.0 32.6



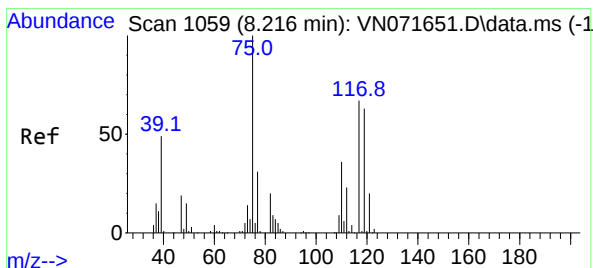
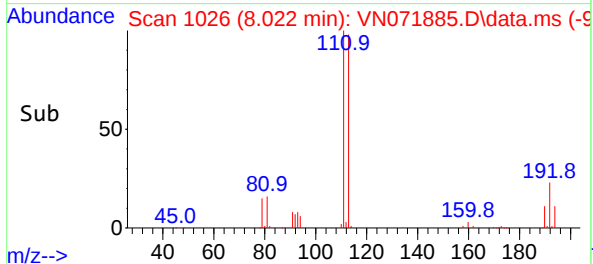
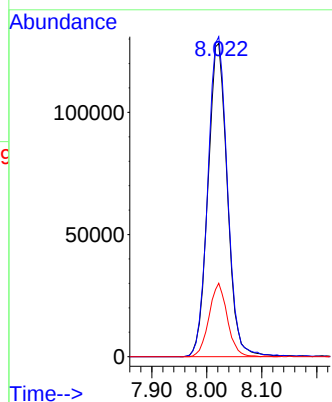


#35
Dibromofluoromethane
Concen: 47.376 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

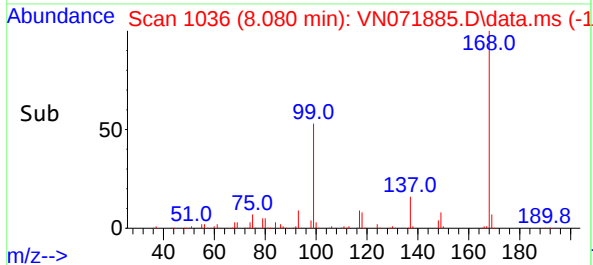
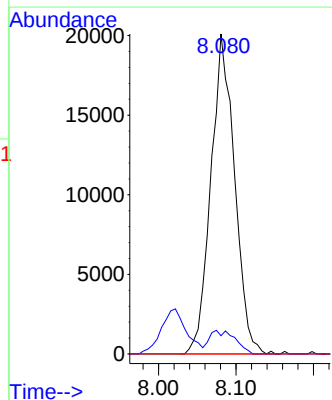
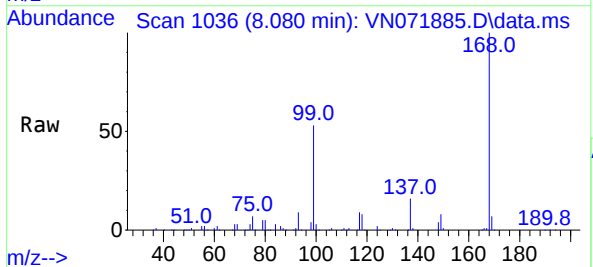


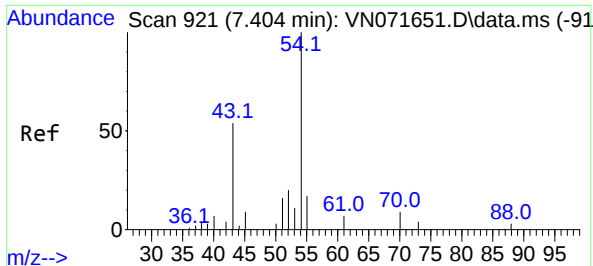
Tgt Ion:113 Resp: 313509
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 22.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 75 Resp: 42701
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#

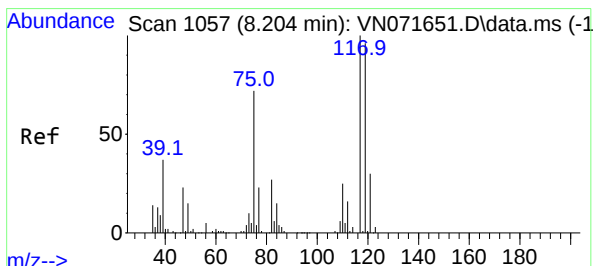
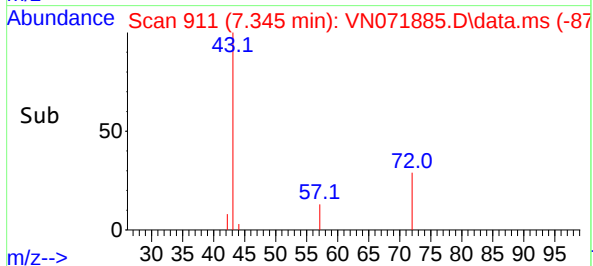
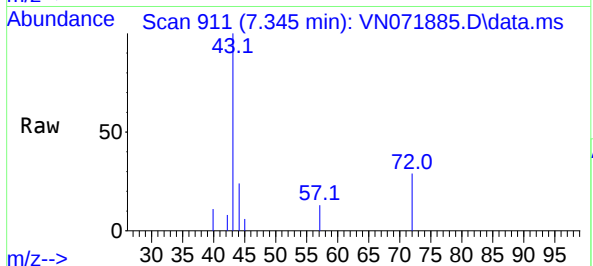




#37
Ethyl Acetate
Concen: 0.784 ug/l
RT: 7.345 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

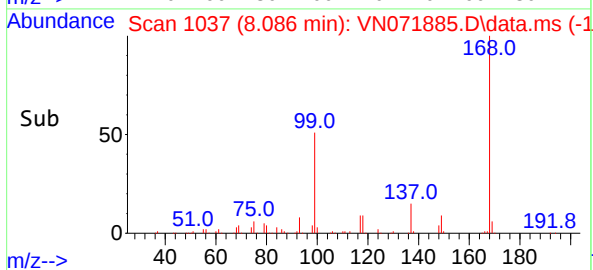
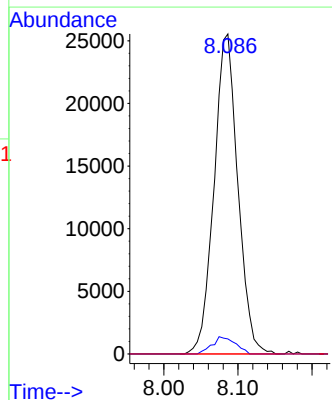
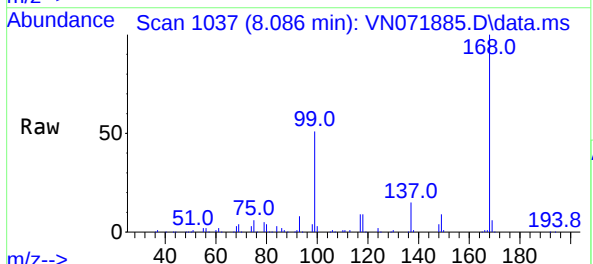
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

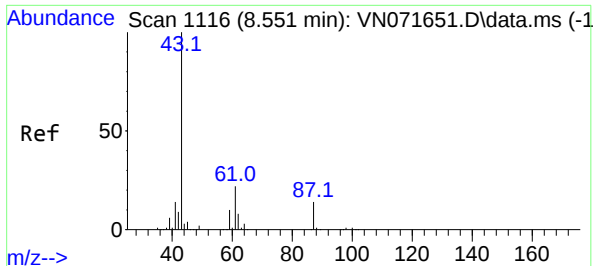
Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 117 Resp: 57014
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#

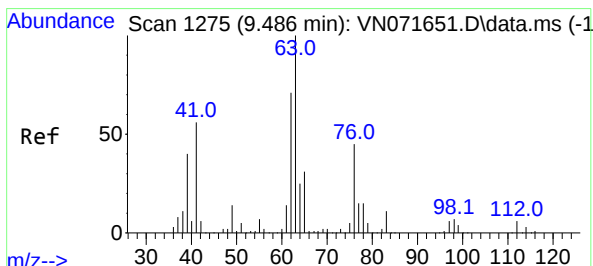
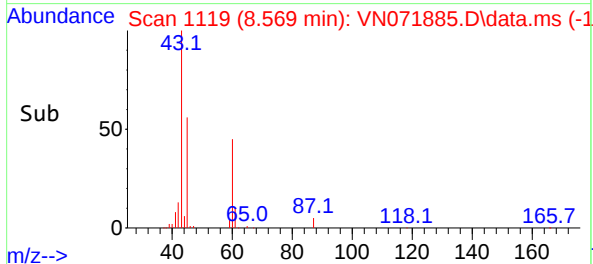
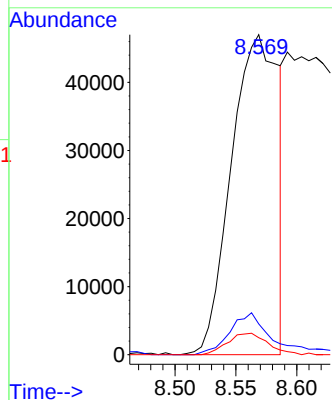
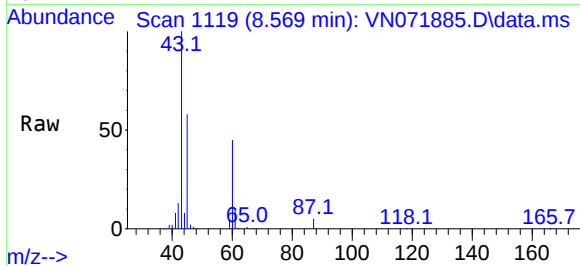




#43
Isopropyl Acetate
Concen: 7.496 ug/l
RT: 8.569 min Scan# 1116
Delta R.T. 0.018 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

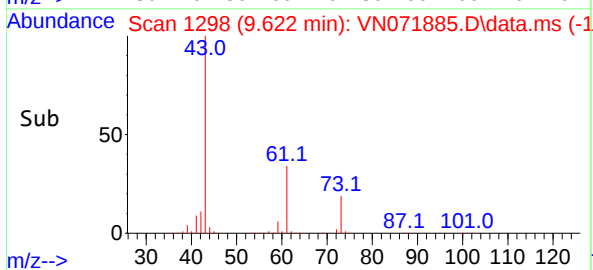
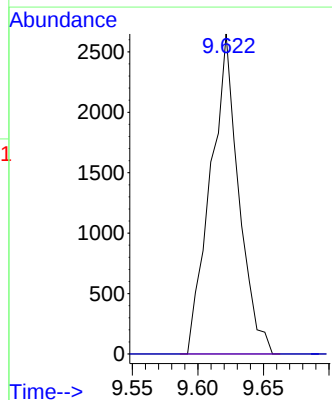
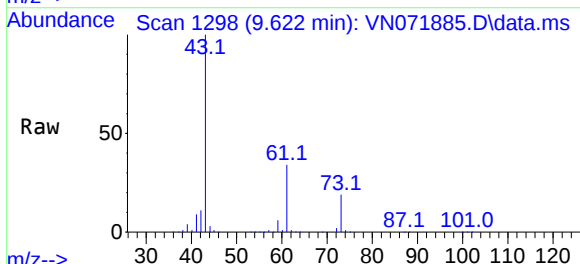
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

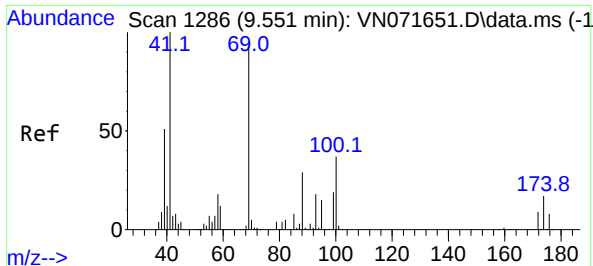
Tgt Ion: 43 Resp: 126117
Ion Ratio Lower Upper
43 100
61 11.9 21.9 32.9#
87 5.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.544 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 63 Resp: 3968
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

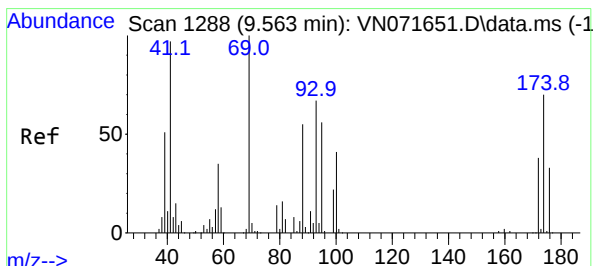
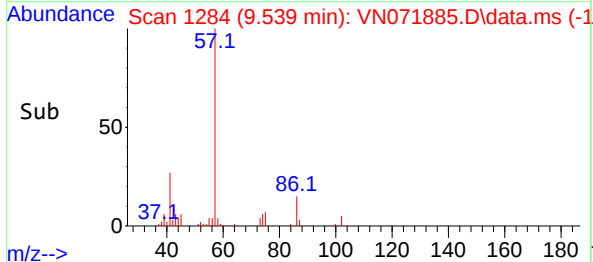
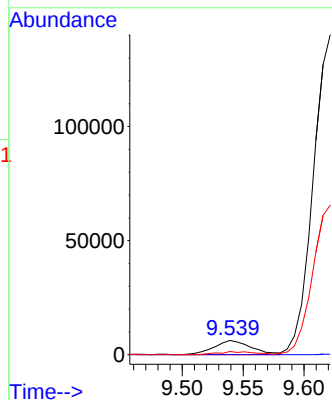
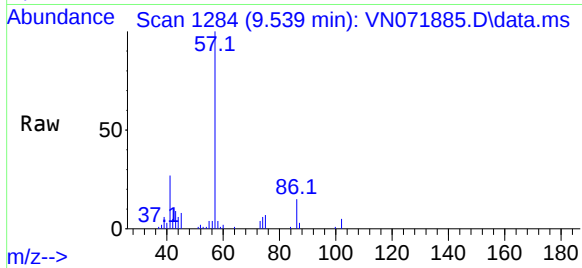




#48
Methyl methacrylate
Concen: 1.891 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

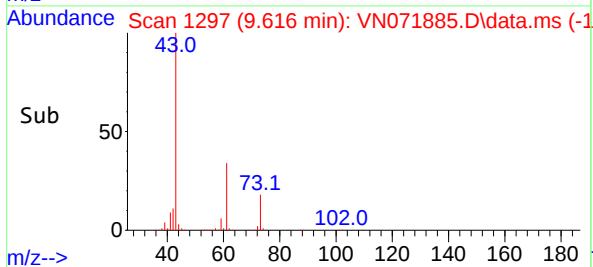
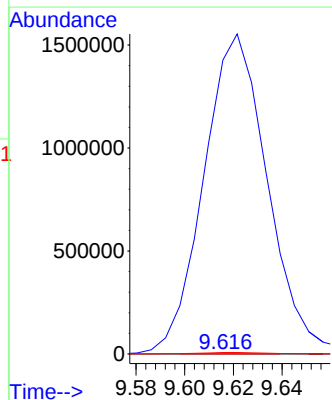
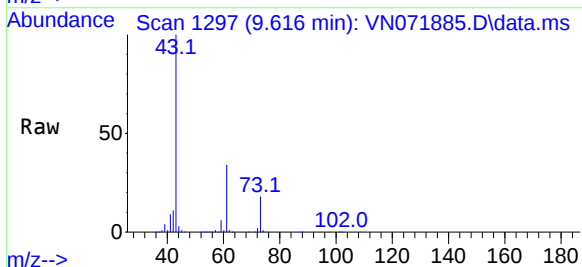
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

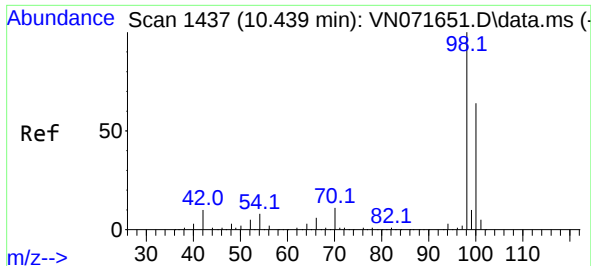
Tgt Ion: 41 Resp: 13196
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
43 835973.0 20.2 30.4#
58 4159.1 54.2 81.4#

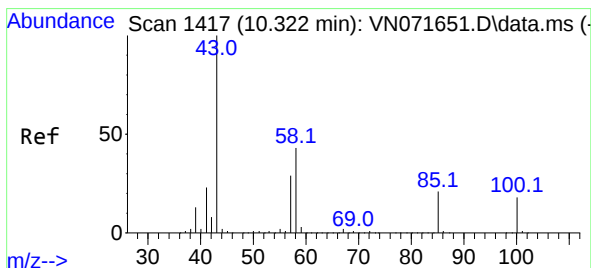
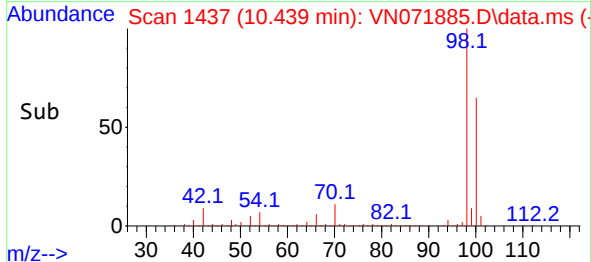
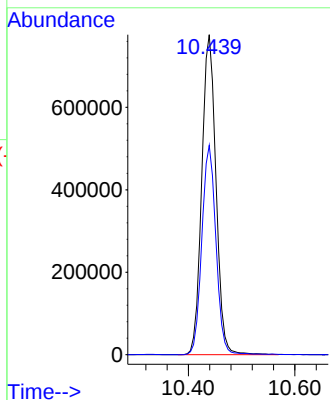
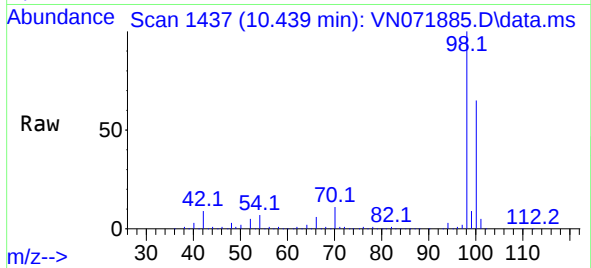




#50
Toluene-d8
Concen: 53.083 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

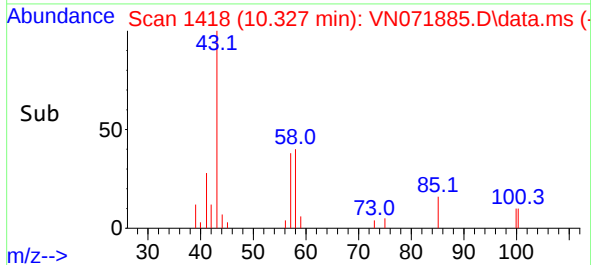
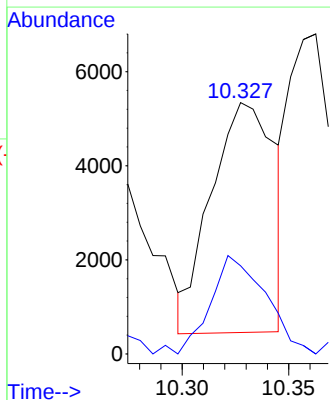
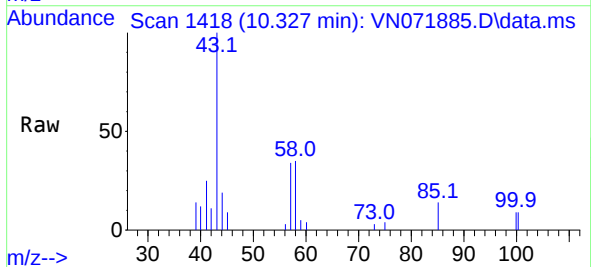
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

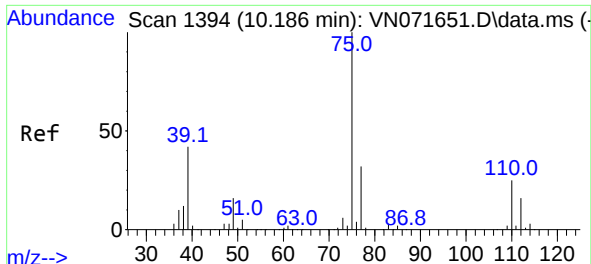
Tgt Ion: 98 Resp: 1436999
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.046 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 43 Resp: 10122
Ion Ratio Lower Upper
43 100
58 37.5 34.1 51.1

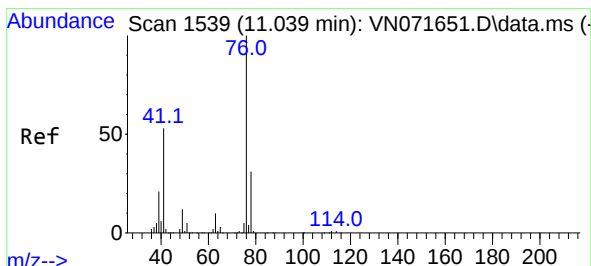
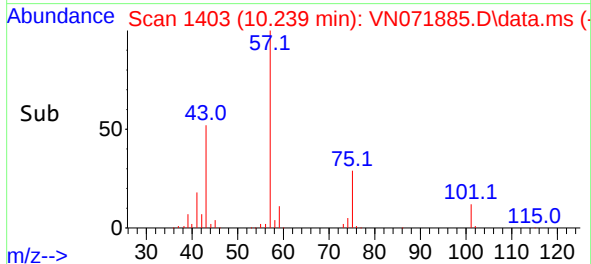
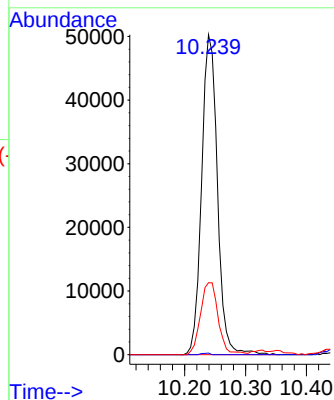
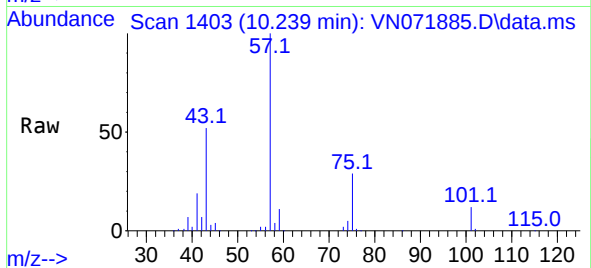




#54
 cis-1,3-Dichloropropene
 Concen: 8.028 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071885.D
 Acq: 06 Apr 2022 17:31

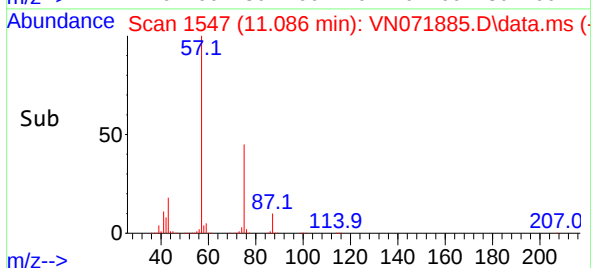
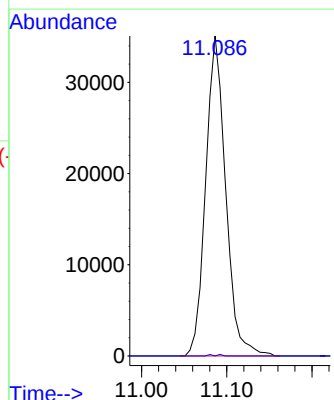
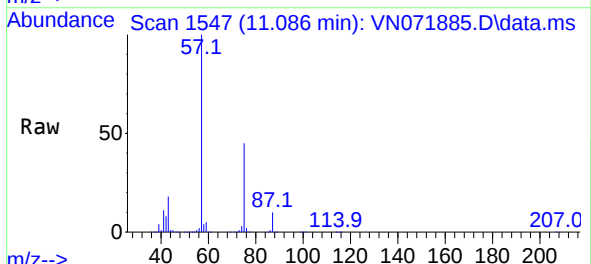
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897ZHE#05

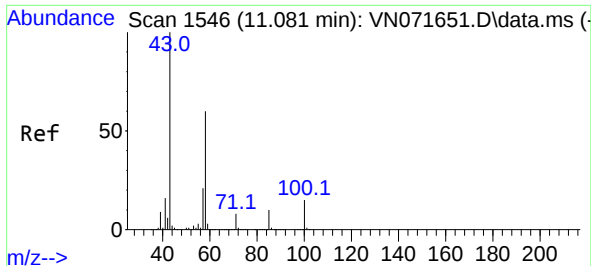
Tgt Ion: 75 Resp: 90610
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 22.5 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.519 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071885.D
 Acq: 06 Apr 2022 17:31

Tgt Ion: 76 Resp: 57385
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

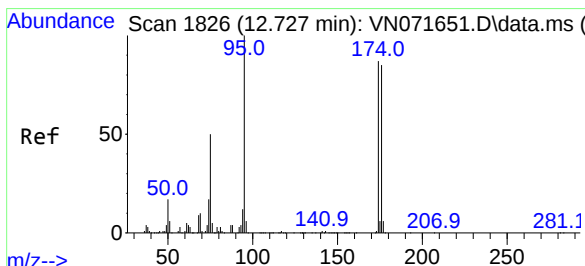
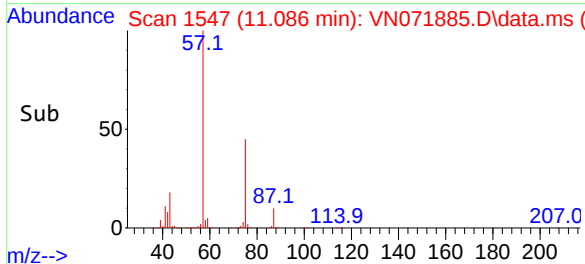
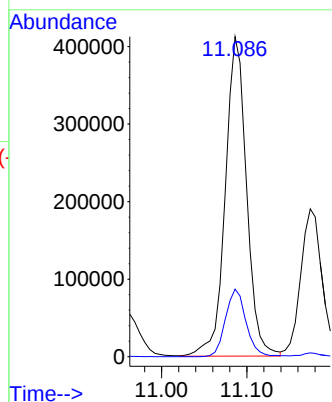
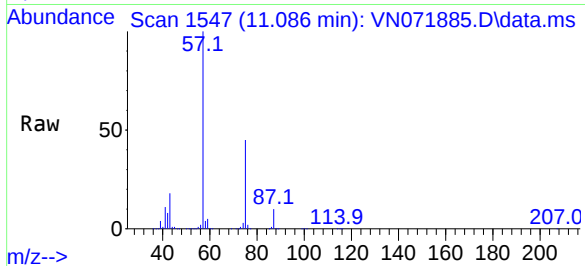




#59
2-Hexanone
Concen: 105.257 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

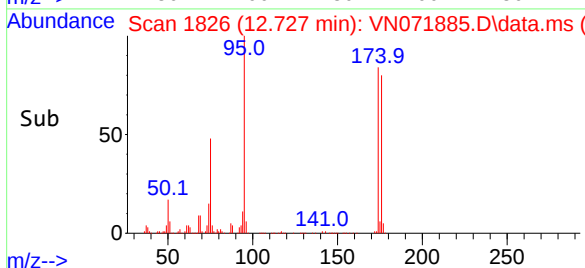
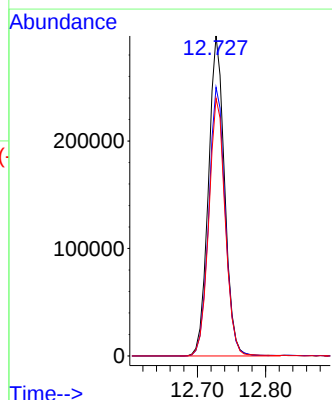
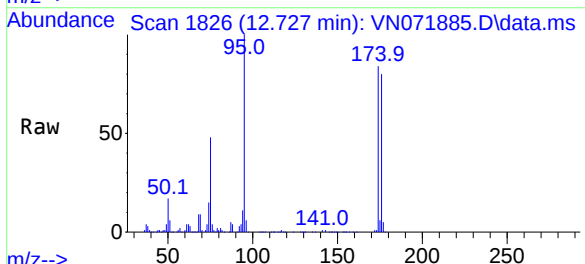
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

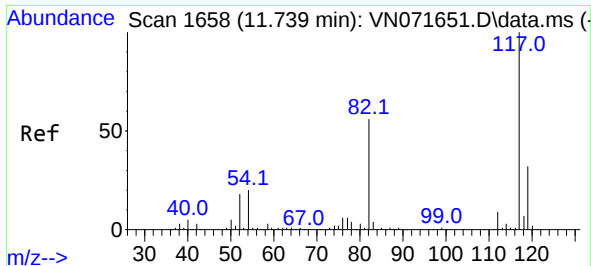
Tgt Ion: 43 Resp: 716814
Ion Ratio Lower Upper
43 100
58 20.5 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.105 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 95 Resp: 491208
Ion Ratio Lower Upper
95 100
174 85.1 0.0 167.6
176 81.5 0.0 163.4

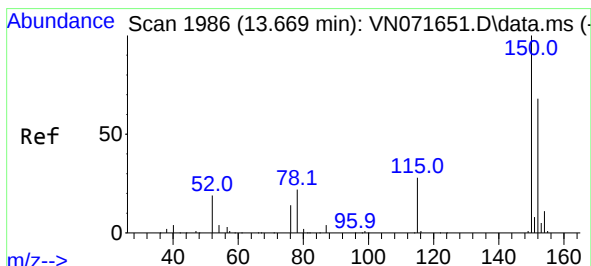
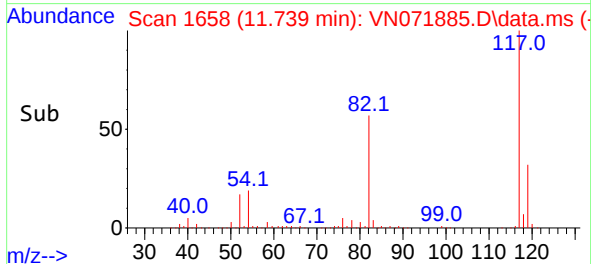
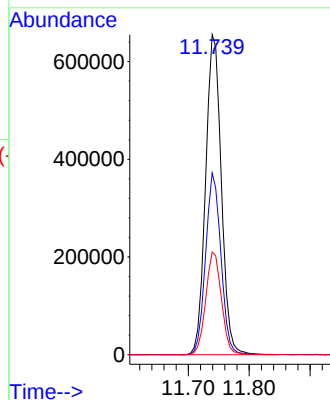
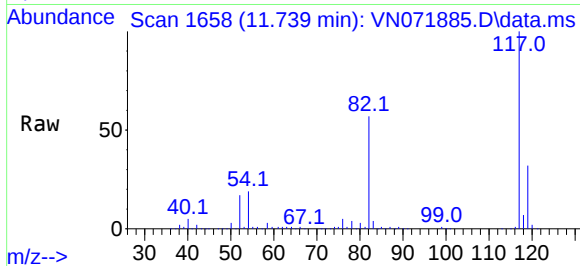




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1175371
Delta R.T. 0.000 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

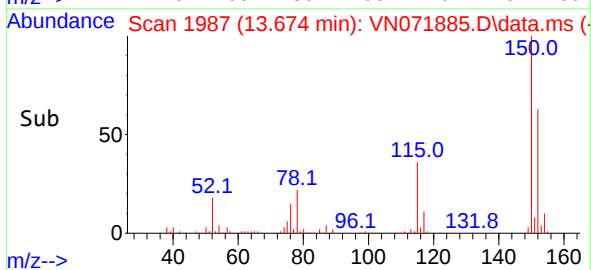
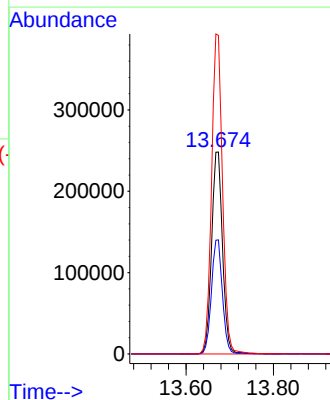
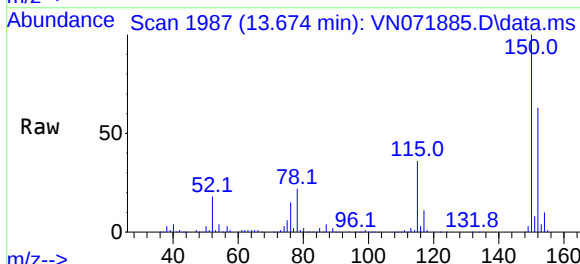
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

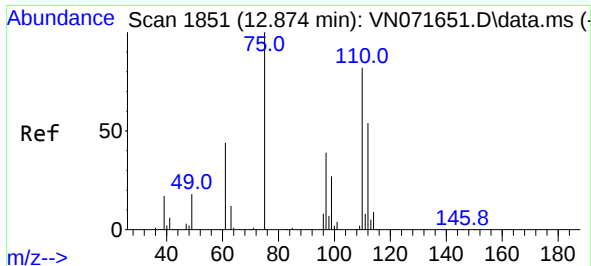
Tgt Ion:117 Resp: 1175371
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion:152 Resp: 431381
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 158.7 0.0 356.2

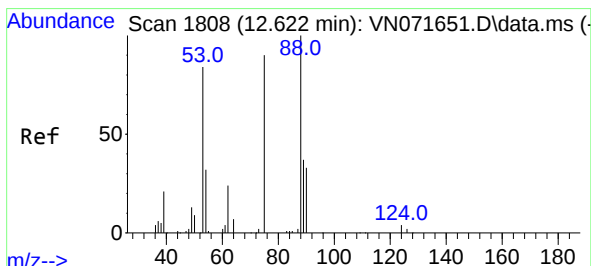
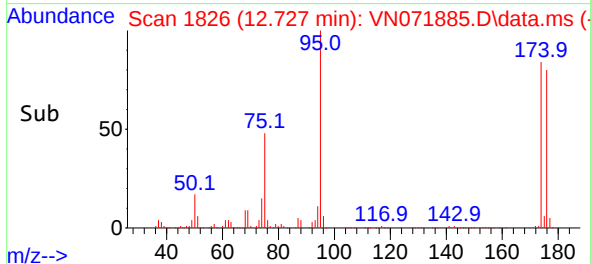
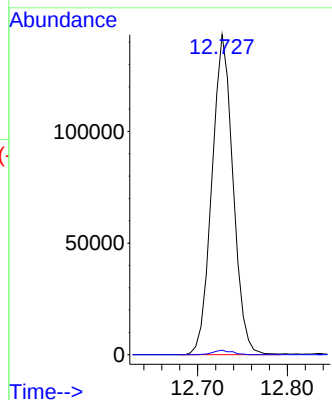
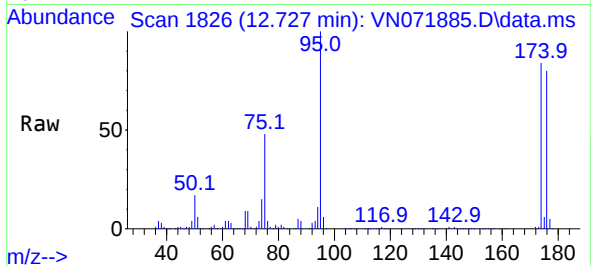




#76
1,2,3-Trichloropropane
Concen: 23.483 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

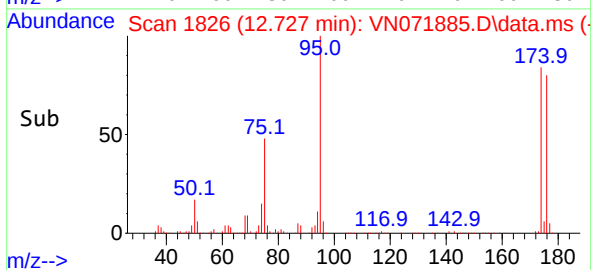
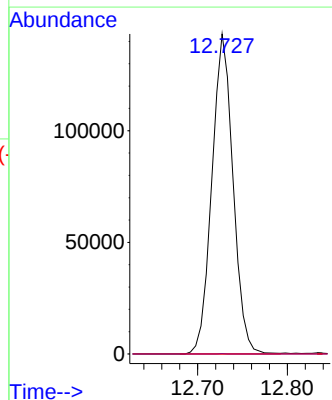
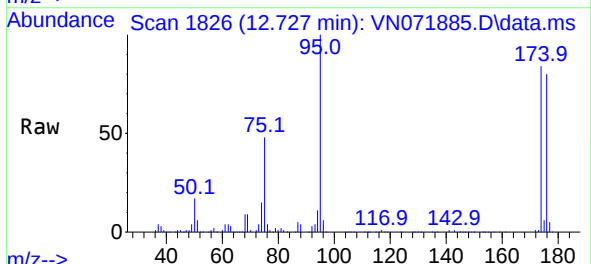
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

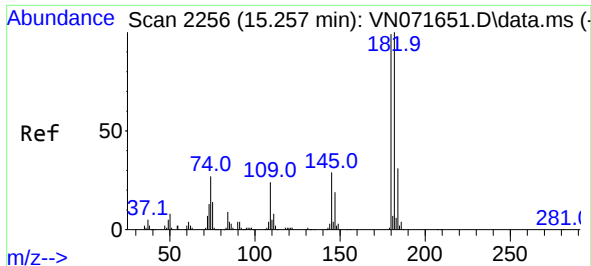
Tgt Ion: 75 Resp: 234667
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.771 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Tgt Ion: 75 Resp: 234667
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

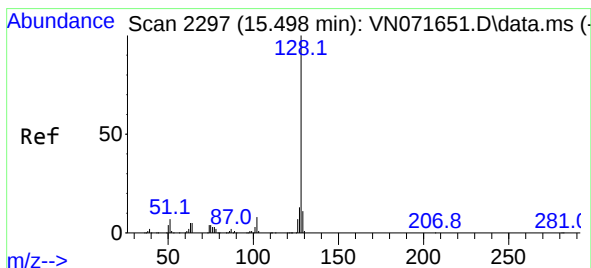
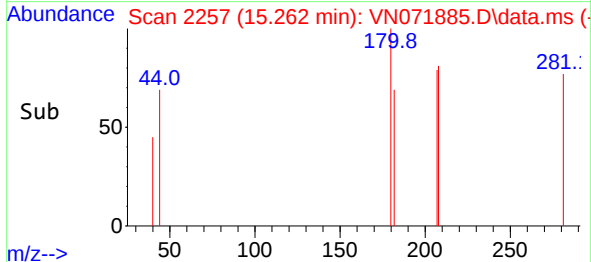
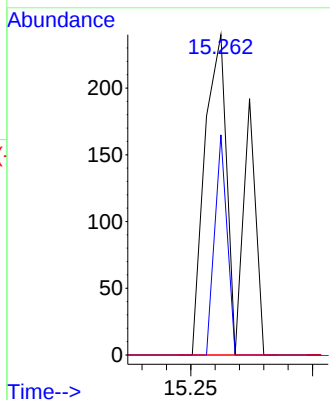
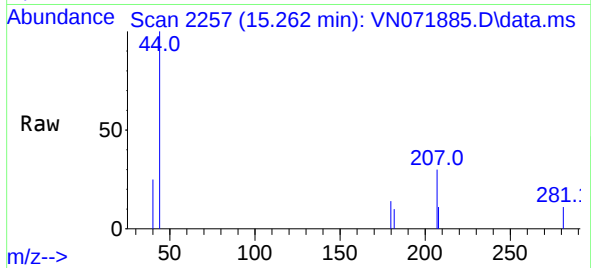




#93
1,2,4-Trichlorobenzene
Concen: 2.116 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	26.9	47.5	142.5#
145	0.0	14.5	43.5#



#95
Naphthalene
Concen: 3.831 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071885.D
Acq: 06 Apr 2022 17:31

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

