

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071881.D
 Acq On : 06 Apr 2022 15:55
 Operator : JC\MD
 Sample : PB143897ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143897ZHE#01

Quant Time: Apr 07 04:28:17 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)

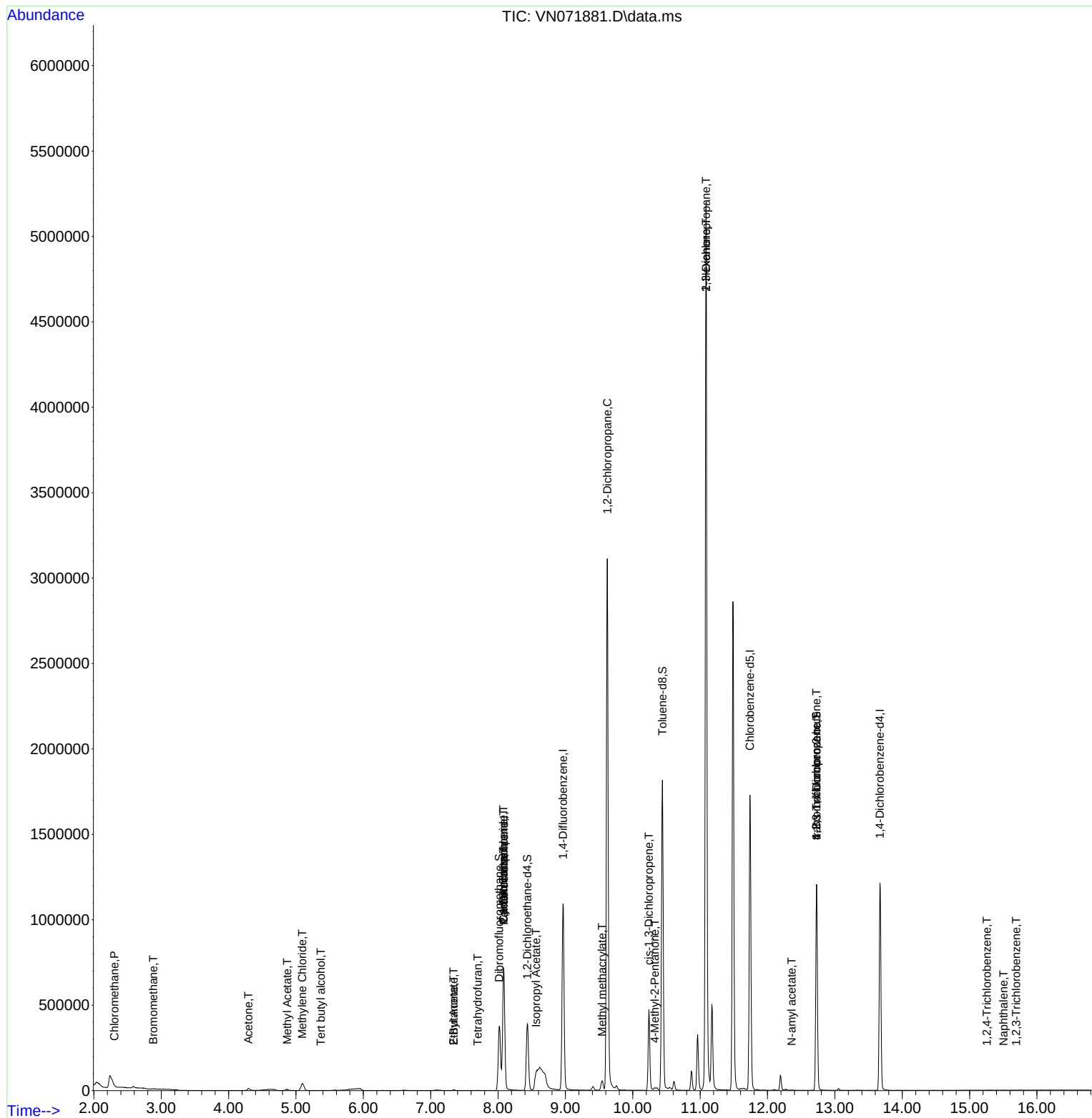
Internal Standards						
1) Pentafluorobenzene	8.086	168	595363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1021747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1069635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	366890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	330229	48.586	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.180%		
35) Dibromofluoromethane	8.016	113	289273	48.113	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.220%		
50) Toluene-d8	10.439	98	1318750	53.618	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.240%		
62) 4-Bromofluorobenzene	12.727	95	430509	54.121	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.240%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	2074	0.346	ug/l #	84
5) Bromomethane	2.881	94	1552	0.362	ug/l	98
11) Tert butyl alcohol	5.369	59	382	0.346	ug/l #	72
16) Acetone	4.293	43	18765	6.460	ug/l	91
18) Methyl Acetate	4.869	43	14238	0.480	ug/l	96
20) Methylene Chloride	5.092	84	36031	5.885	ug/l	91
25) 2-Butanone	7.339	43	7979	1.905	ug/l	94
29) Tetrahydrofuran	7.698	42	609	0.225	ug/l #	51
31) Cyclohexane	8.080	56	10020	1.084	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	40936	4.876	ug/l #	48
37) Ethyl Acetate	7.339	43	7979	0.868	ug/l #	67
38) Carbon Tetrachloride	8.080	117	53116	6.455	ug/l #	16
43) Isopropyl Acetate	8.563	43	133972	8.765	ug/l #	70
45) 1,2-Dichloropropane	9.622	63	4631	0.699	ug/l #	44
48) Methyl methacrylate	9.545	41	14496	2.286	ug/l #	10
49) 1,4-Dioxane	9.627	88	452	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	8980	1.022	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	93295	9.098	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	59978	5.199	ug/l #	43
59) 2-Hexanone	11.086	43	735178	118.818	ug/l #	48
74) N-amyl acetate	12.357	43	1811	0.204	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	205854	24.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	205854	75.057	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	74	2.098	ug/l #	12
95) Naphthalene	15.504	128	1166	3.867	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	216	2.450	ug/l #	36

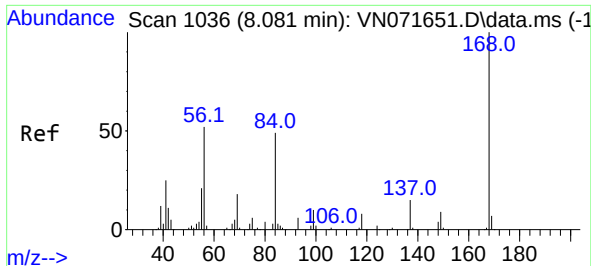
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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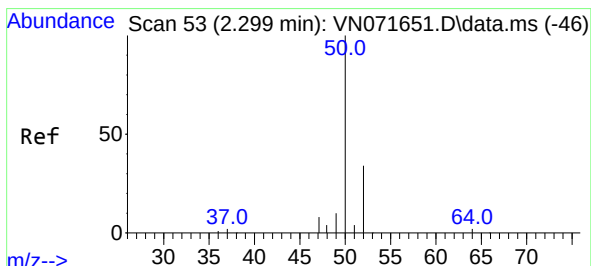
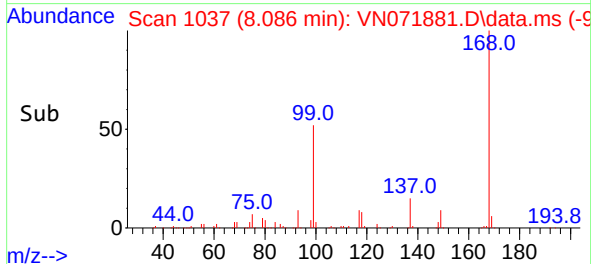
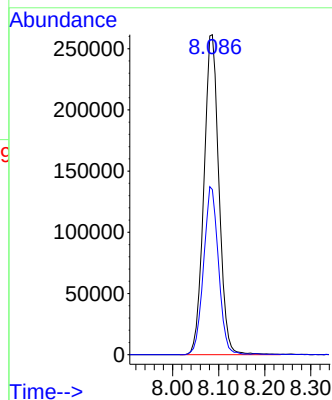
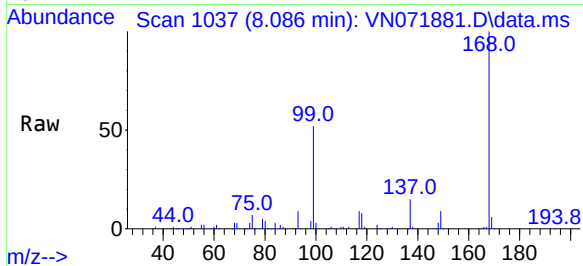




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

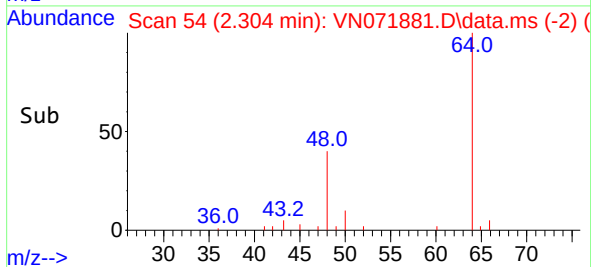
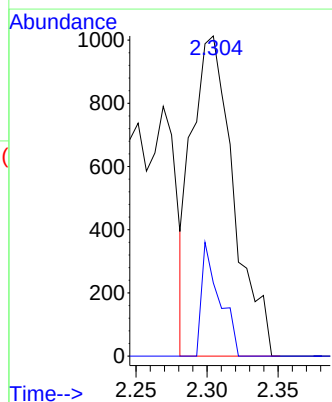
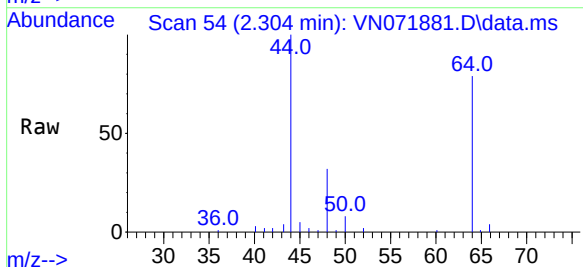
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

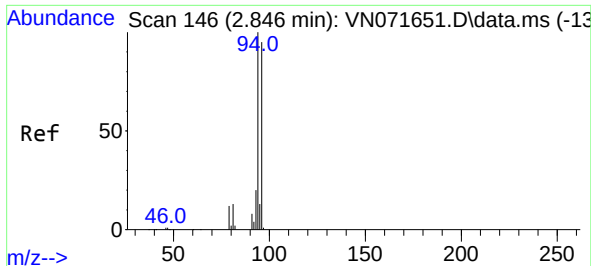
Tgt Ion:168 Resp: 595363
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#3
Chloromethane
Concen: 0.346 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 50 Resp: 2074
Ion Ratio Lower Upper
50 100
52 22.9 25.7 38.5#

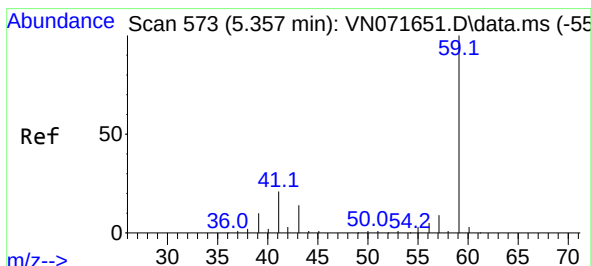
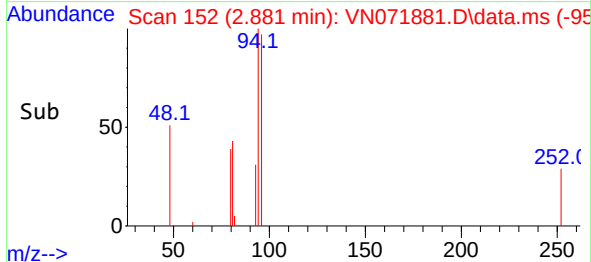
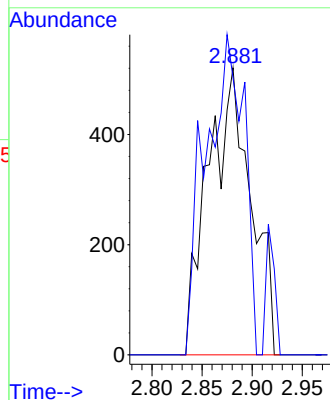
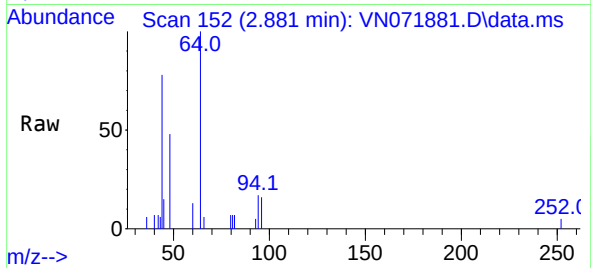




#5
Bromomethane
Concen: 0.362 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

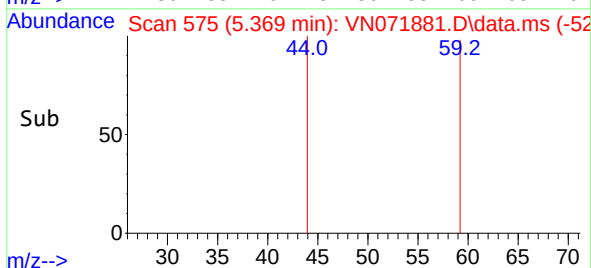
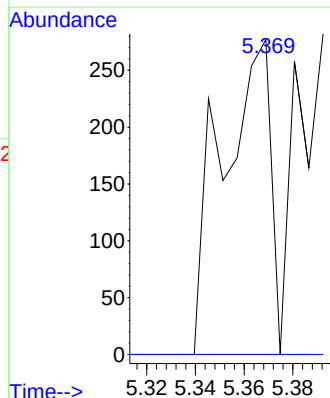
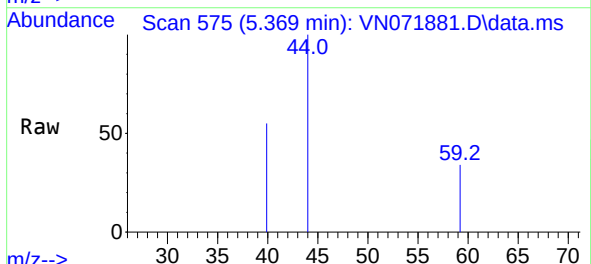
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

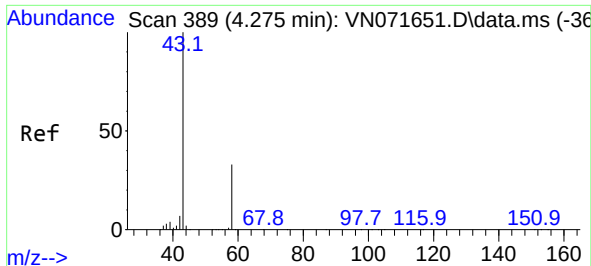
Tgt Ion: 94 Resp: 1552
Ion Ratio Lower Upper
94 100
96 96.5 76.0 114.0



#11
Tert butyl alcohol
Concen: 0.346 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

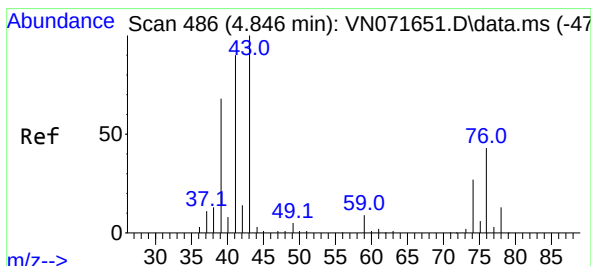
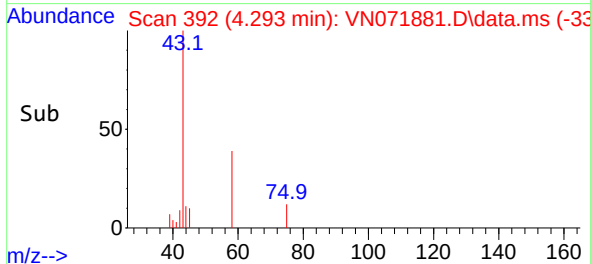
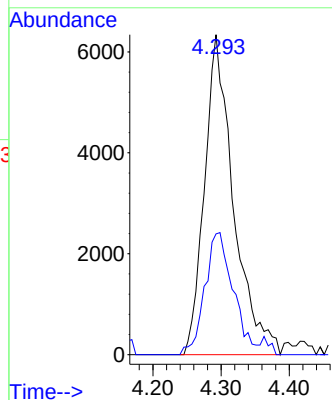
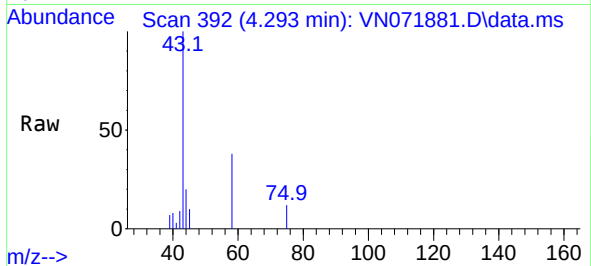




#16
Acetone
Concen: 6.460 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

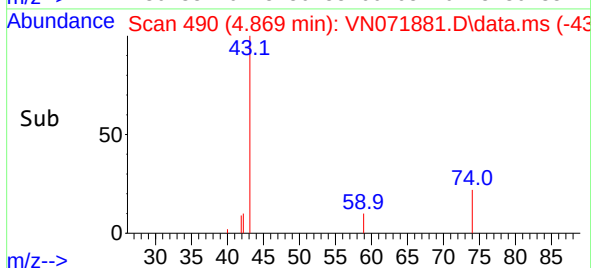
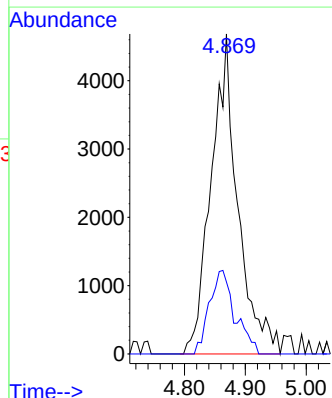
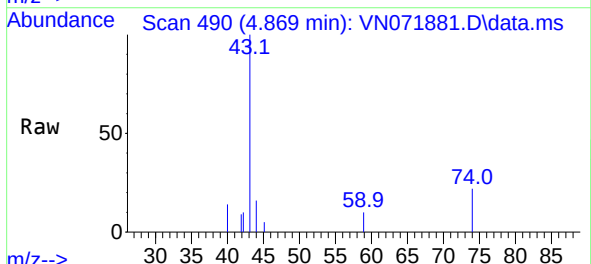
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

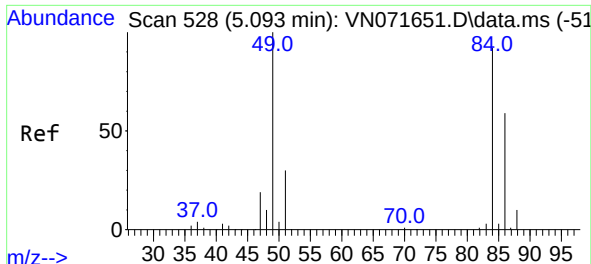
Tgt Ion: 43 Resp: 18765
Ion Ratio Lower Upper
43 100
58 37.8 26.0 39.0



#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

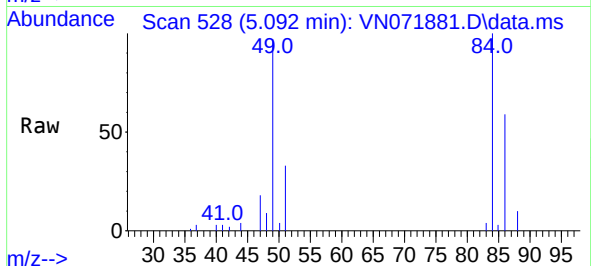
Tgt Ion: 43 Resp: 14238
Ion Ratio Lower Upper
43 100
74 25.2 21.6 32.4





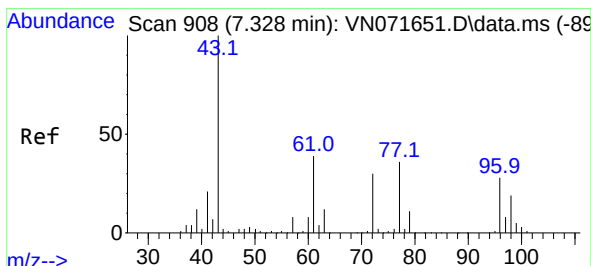
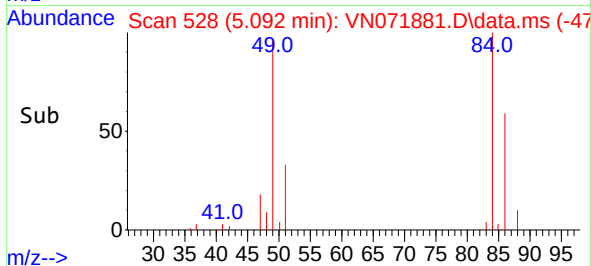
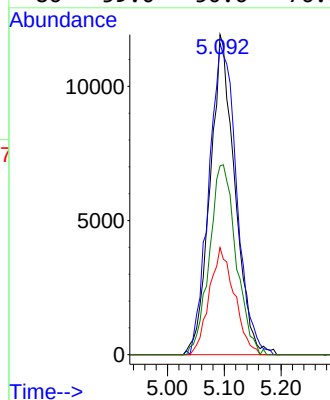
#20
Methylene Chloride
Concen: 5.885 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01



Tgt Ion: 84 Resp: 36031

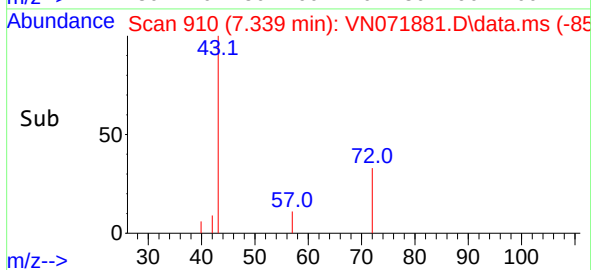
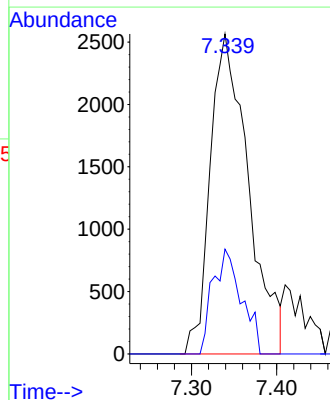
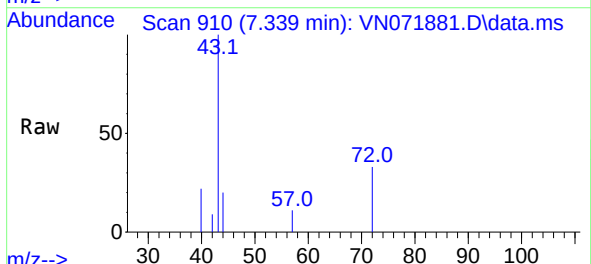
Ion	Ratio	Lower	Upper
84	100		
49	97.3	88.3	132.5
51	33.4	28.2	42.2
86	59.0	50.6	76.0

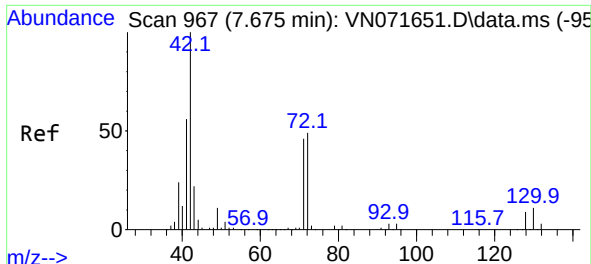


#25
2-Butanone
Concen: 1.905 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 43 Resp: 7979

Ion	Ratio	Lower	Upper
43	100		
72	32.7	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071881.D

Acq: 06 Apr 2022 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB143897ZHE#01

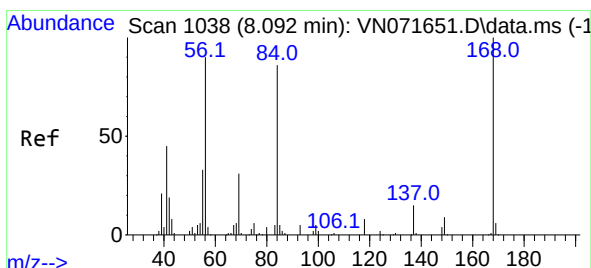
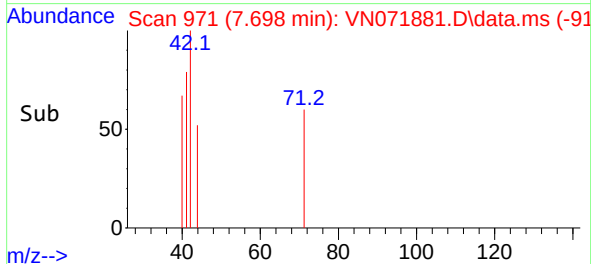
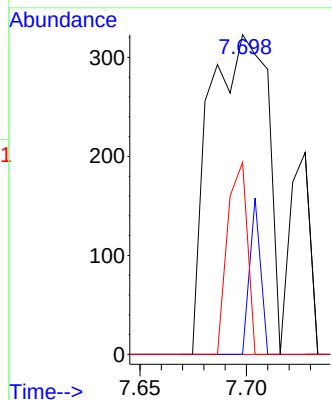
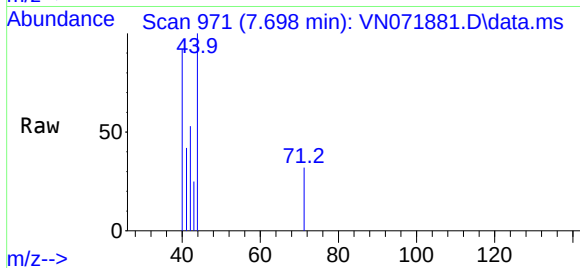
Tgt Ion: 42 Resp: 609

Ion Ratio Lower Upper

42 100

72 9.2 39.7 59.5#

71 20.5 36.6 55.0#



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071881.D

Acq: 06 Apr 2022 15:55

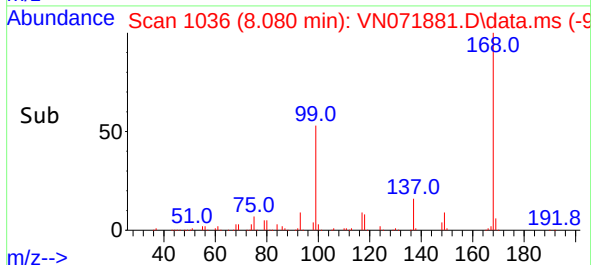
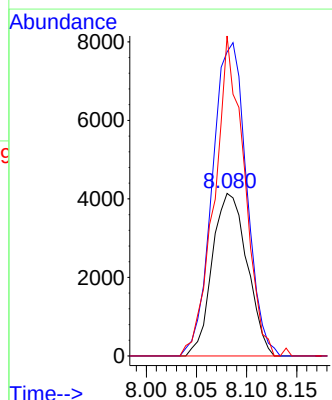
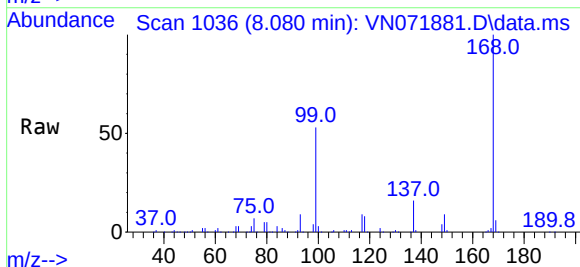
Tgt Ion: 56 Resp: 10020

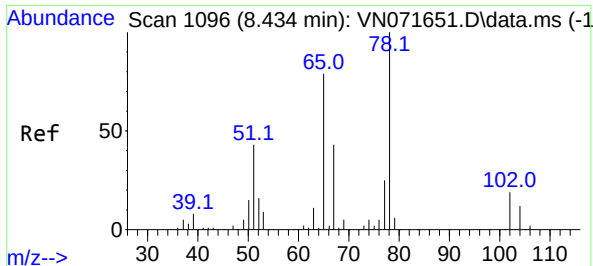
Ion Ratio Lower Upper

56 100

69 186.9 27.8 41.8#

84 196.8 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.586 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071881.D

Acq: 06 Apr 2022 15:55

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ClientSampleId :

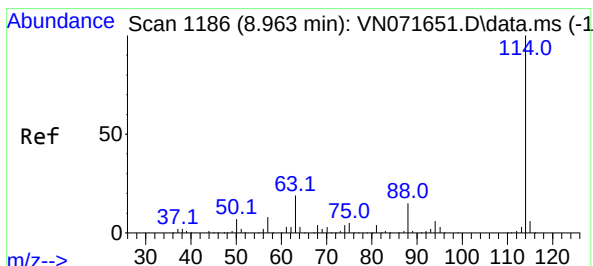
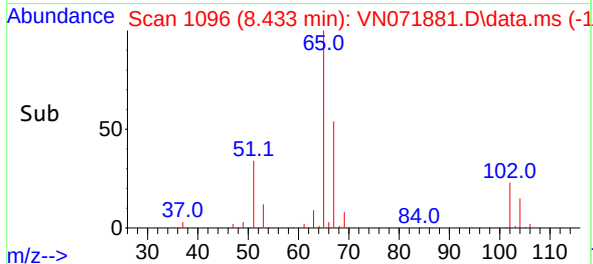
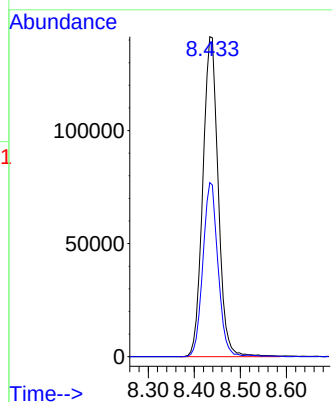
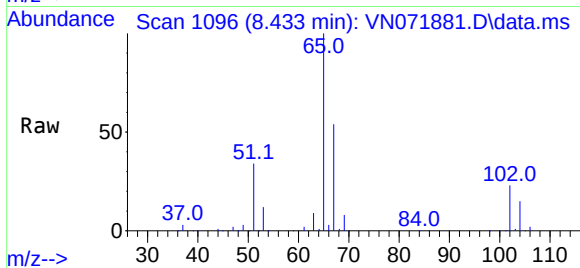
PB143897ZHE#01

Tgt Ion: 65 Resp: 330229

Ion Ratio Lower Upper

65 100

67 53.1 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: VN071881.D

Acq: 06 Apr 2022 15:55

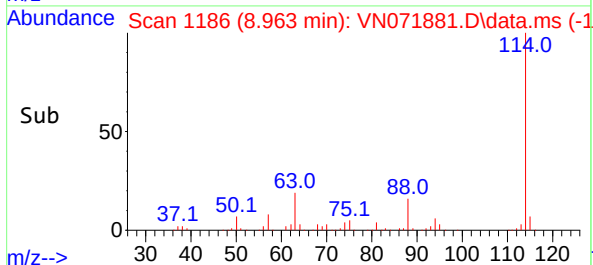
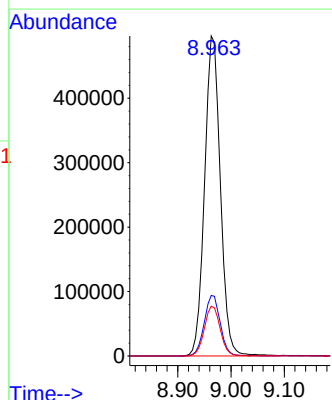
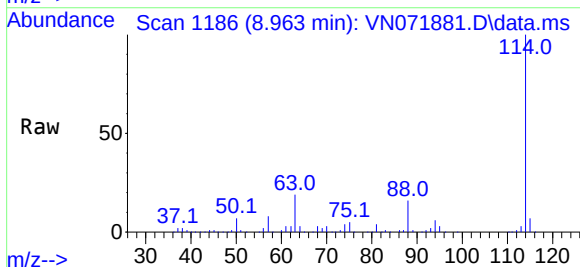
Tgt Ion: 114 Resp: 1021747

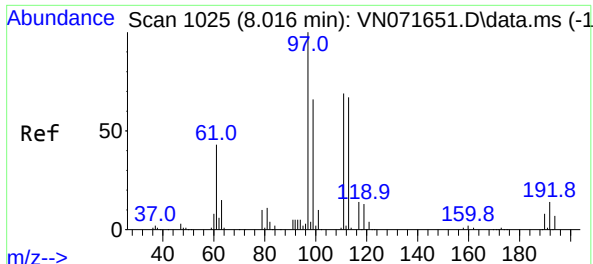
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.6 0.0 32.6

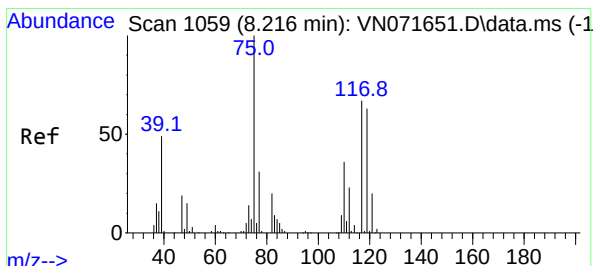
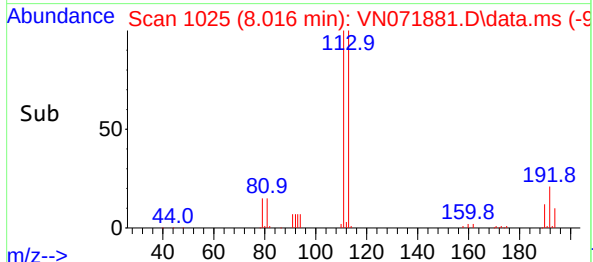
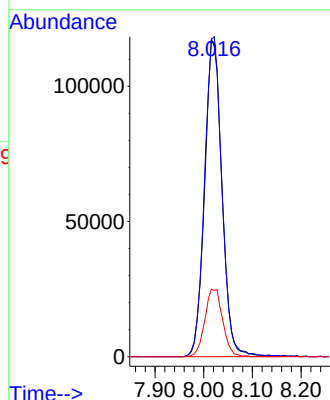
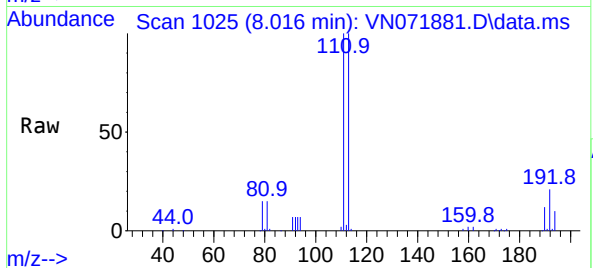




#35
Dibromofluoromethane
Concen: 48.113 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

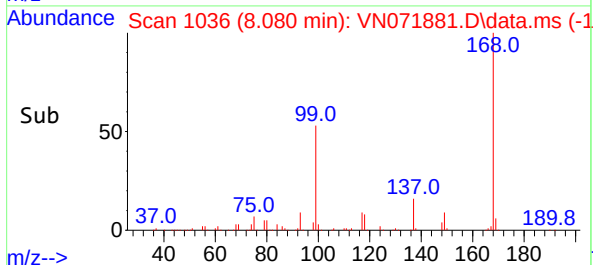
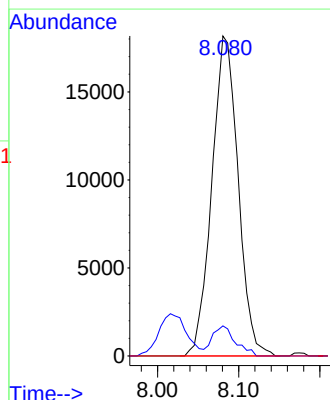
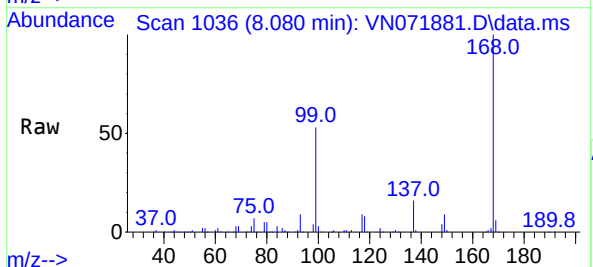
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

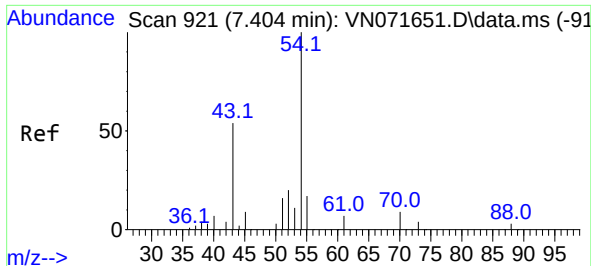
Tgt Ion:113 Resp: 289273
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.876 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 75 Resp: 40936
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#

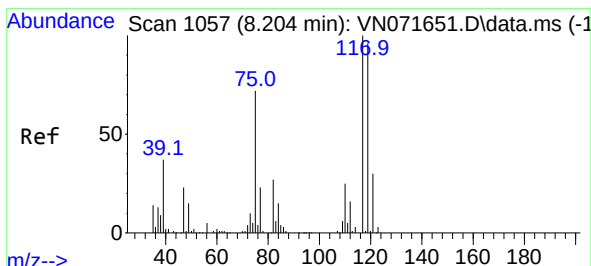
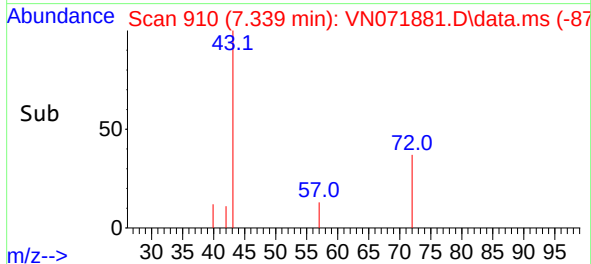
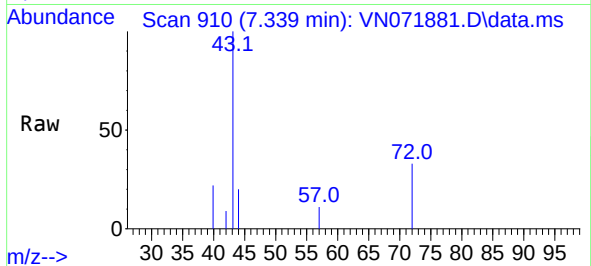




#37
Ethyl Acetate
Concen: 0.868 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

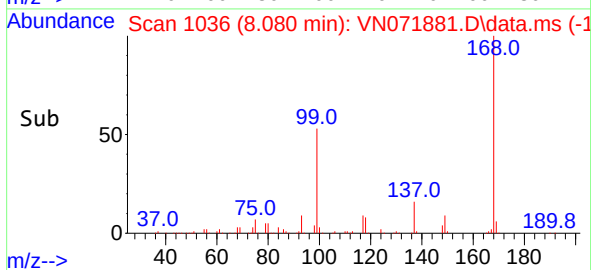
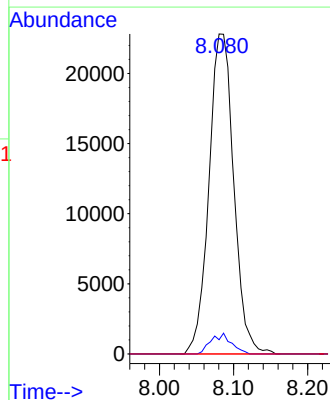
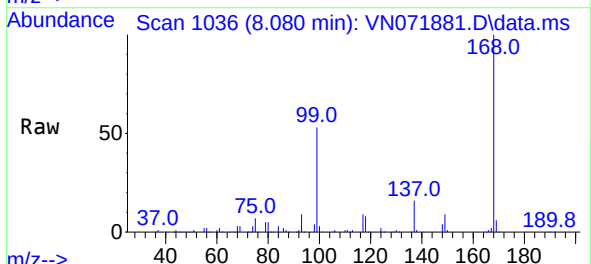
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

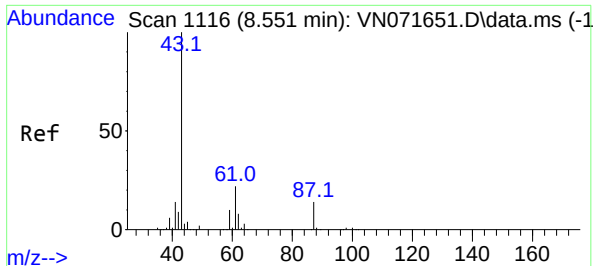
Tgt Ion: 43 Resp: 7979
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.455 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 117 Resp: 53116
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#

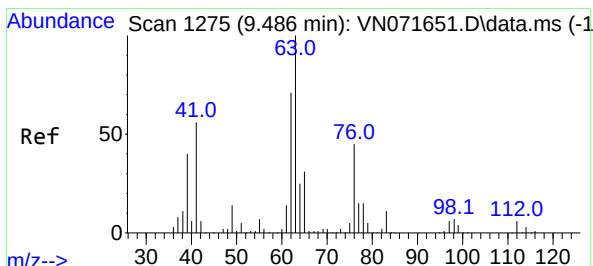
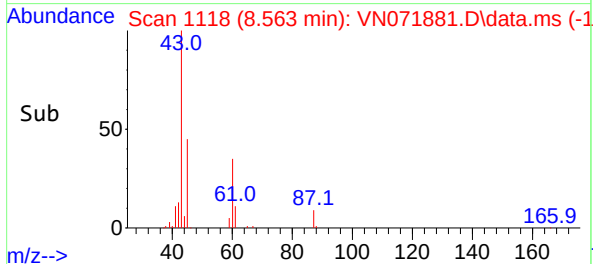
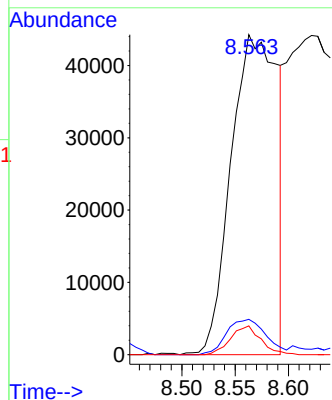
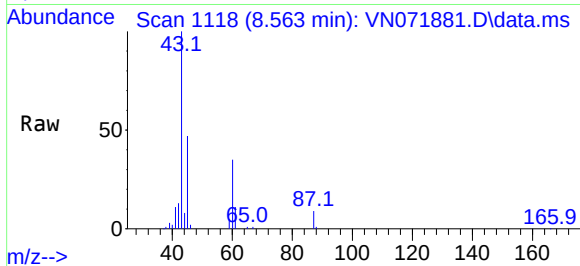




#43
Isopropyl Acetate
Concen: 8.765 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

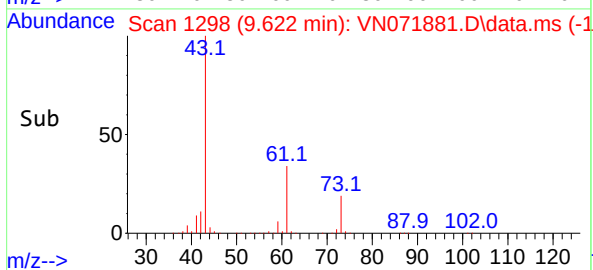
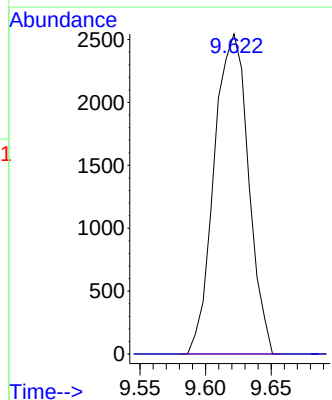
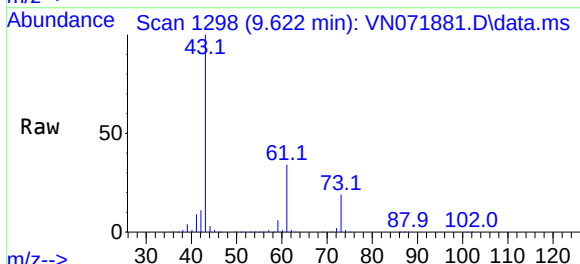
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

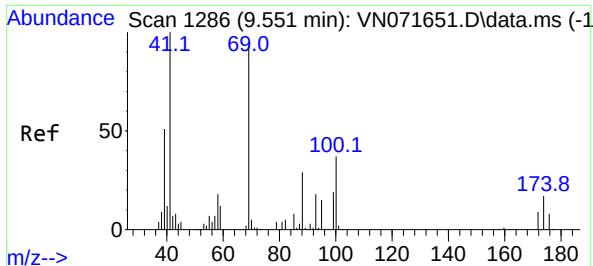
Tgt Ion: 43 Resp: 133972
Ion Ratio Lower Upper
43 100
61 9.4 21.9 32.9#
87 5.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.699 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 63 Resp: 4631
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.286 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN071881.D

Acq: 06 Apr 2022 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB143897ZHE#01

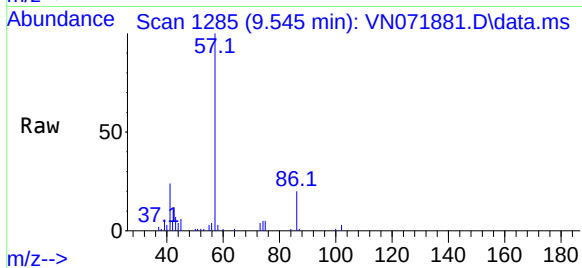
Tgt Ion: 41 Resp: 14496

Ion Ratio Lower Upper

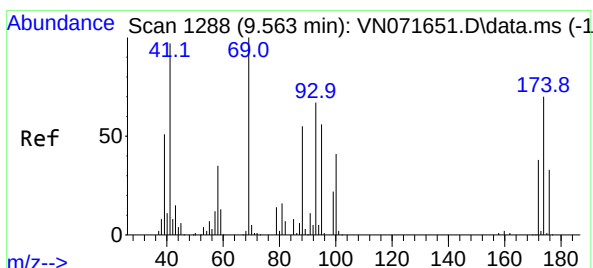
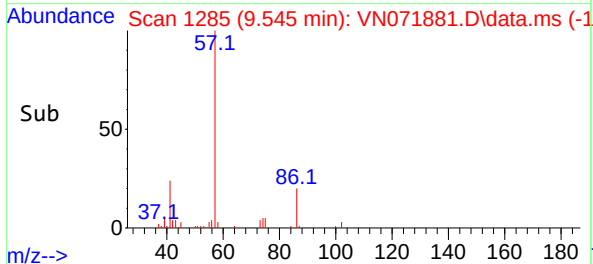
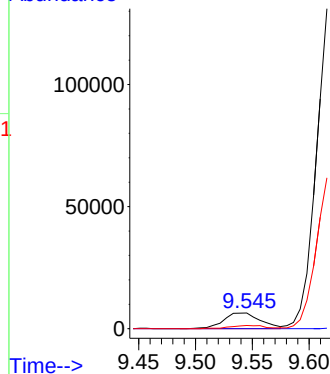
41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



Abundance



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.627 min Scan# 1299

Delta R.T. 0.064 min

Lab File: VN071881.D

Acq: 06 Apr 2022 15:55

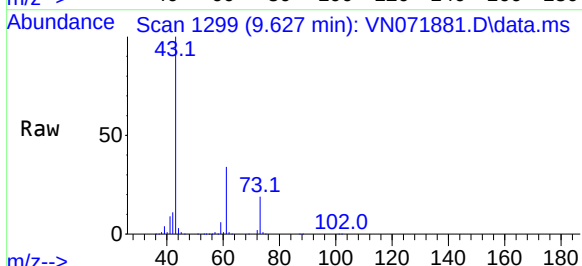
Tgt Ion: 88 Resp: 452

Ion Ratio Lower Upper

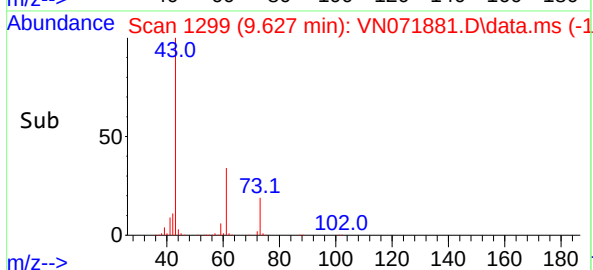
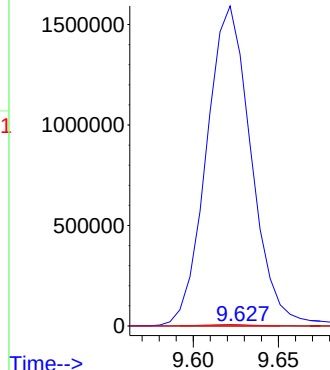
88 100

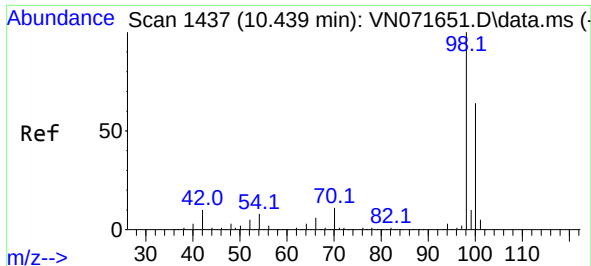
43 653182.1 20.2 30.4#

58 3263.5 54.2 81.4#



Abundance

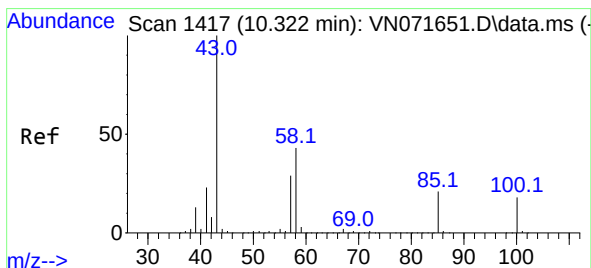
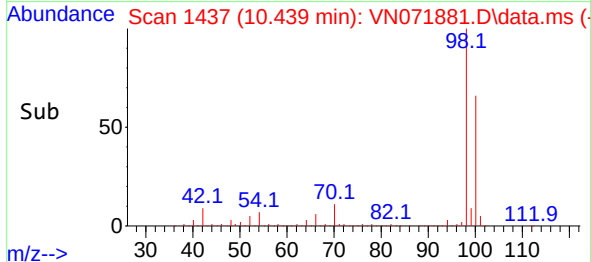
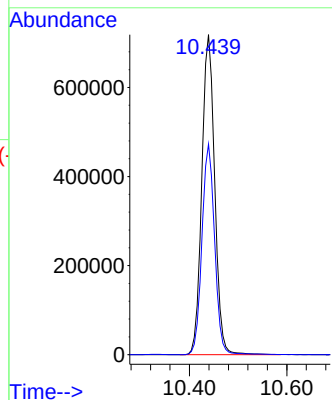
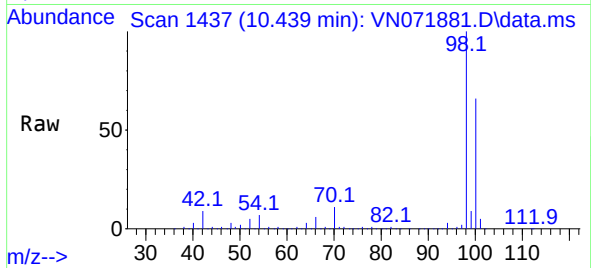




#50
Toluene-d8
Concen: 53.618 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

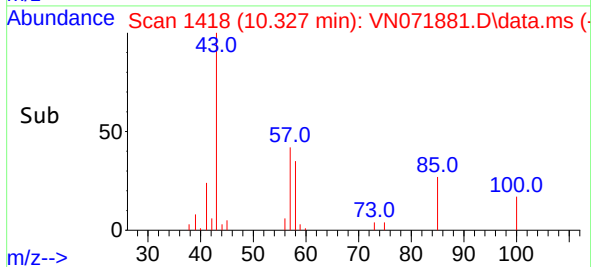
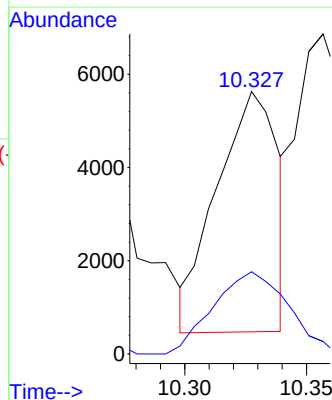
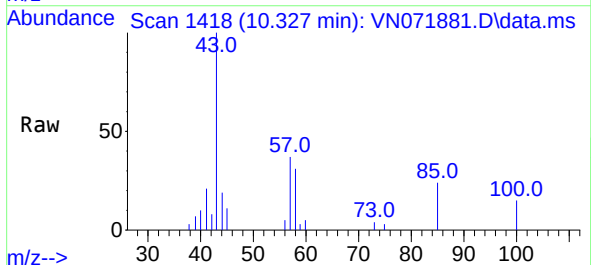
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

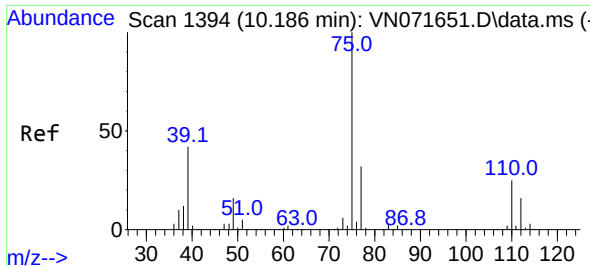
Tgt Ion: 98 Resp: 1318750
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.022 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 43 Resp: 8980
Ion Ratio Lower Upper
43 100
58 41.8 34.1 51.1

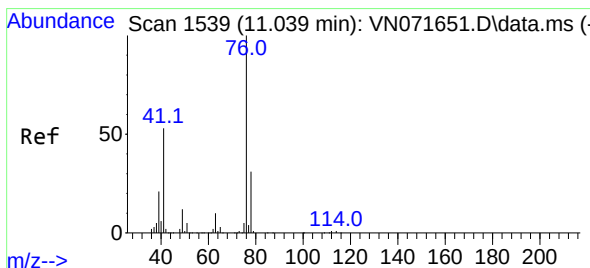
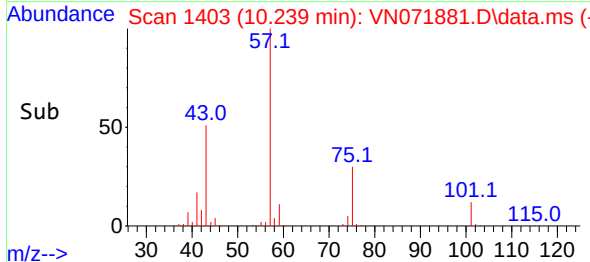
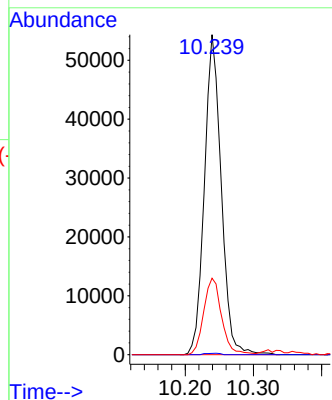
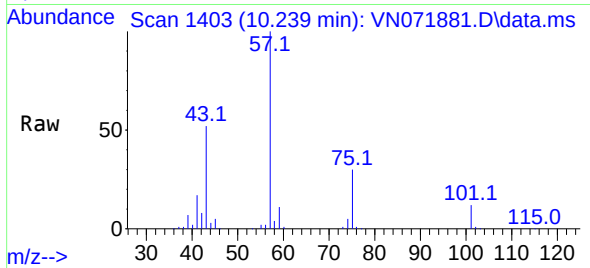




#54
cis-1,3-Dichloropropene
Concen: 9.098 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

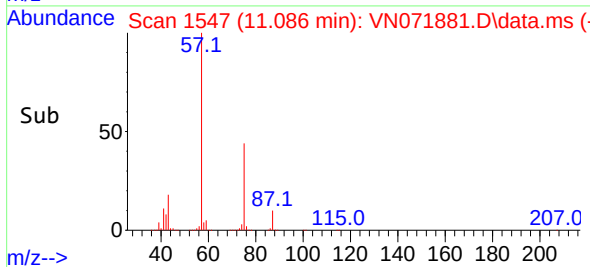
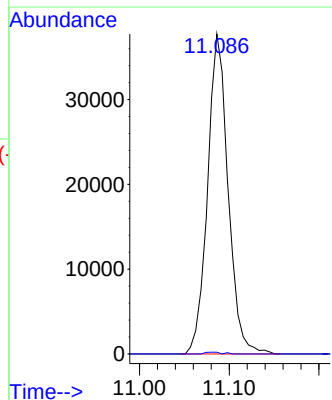
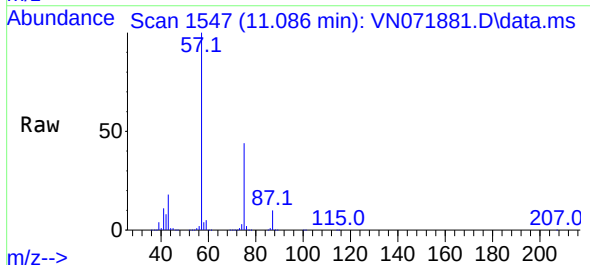
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

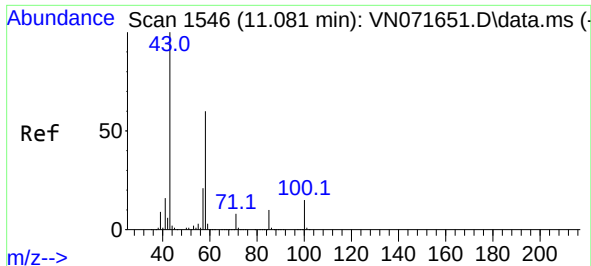
Tgt Ion: 75 Resp: 93295
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 23.9 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.199 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 76 Resp: 59978
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

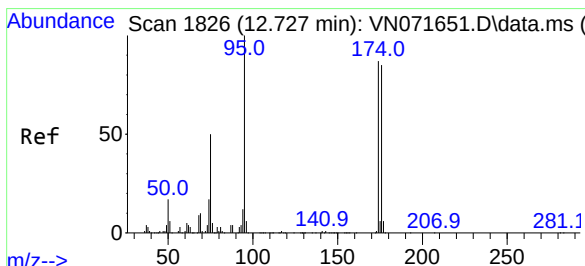
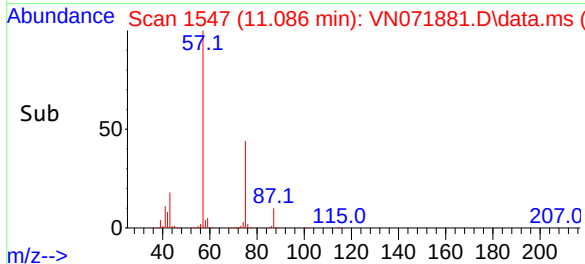
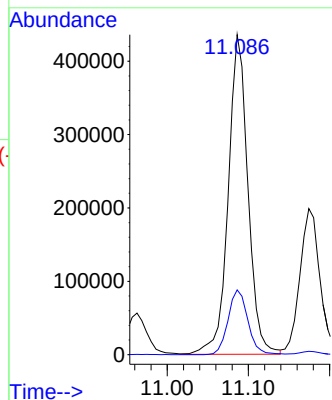
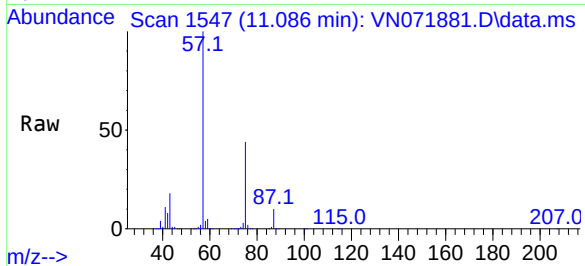




#59
2-Hexanone
Concen: 118.818 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

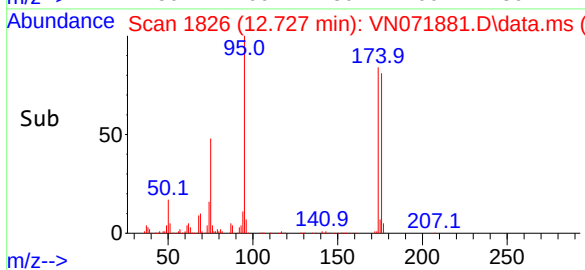
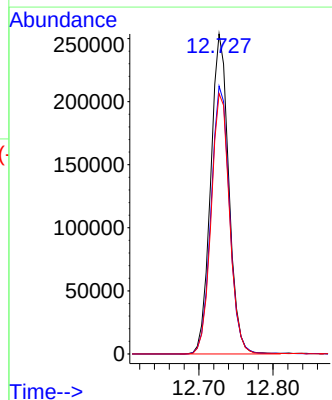
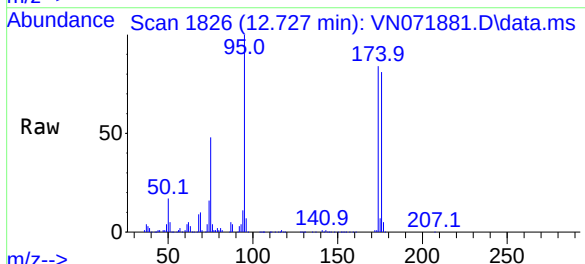
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

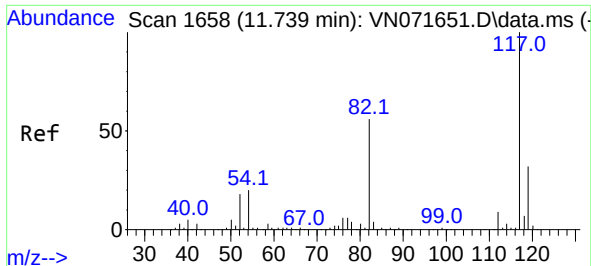
Tgt Ion: 43 Resp: 735178
Ion Ratio Lower Upper
43 100
58 20.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.121 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 95 Resp: 430509
Ion Ratio Lower Upper
95 100
174 84.9 0.0 167.6
176 82.5 0.0 163.4

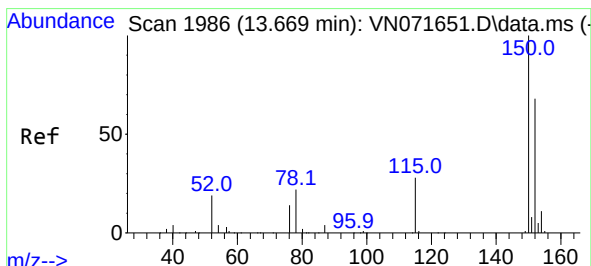
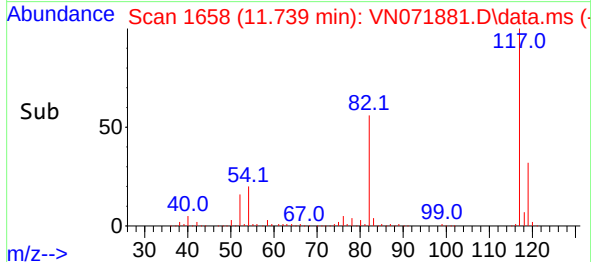
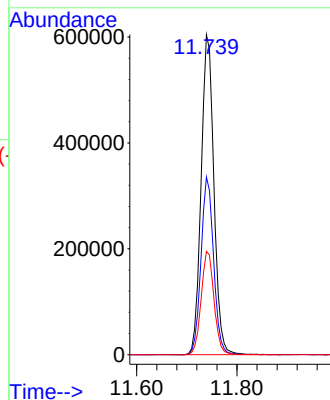
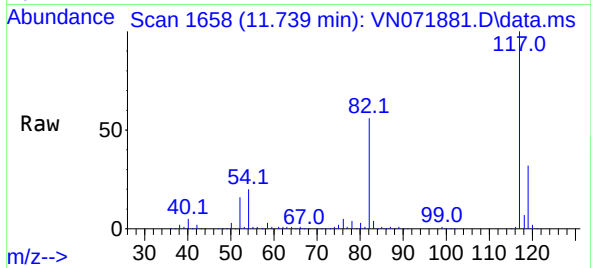




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

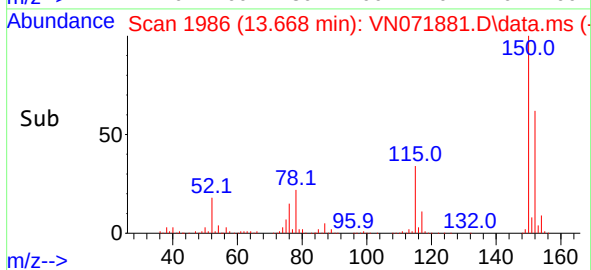
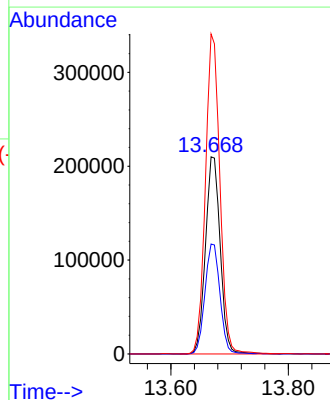
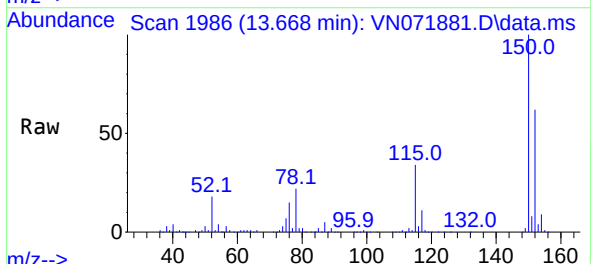
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

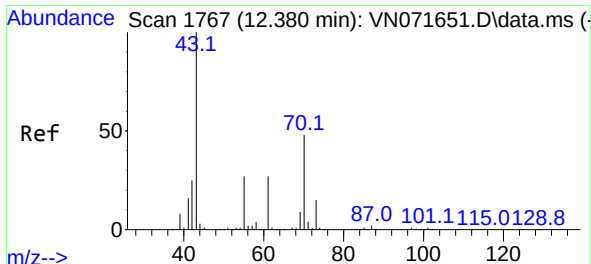
Tgt Ion:117 Resp: 1069635
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

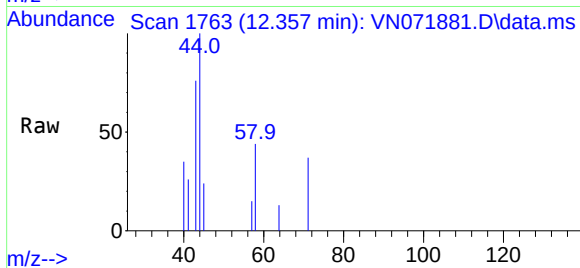
Tgt Ion:152 Resp: 366890
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 158.6 0.0 356.2



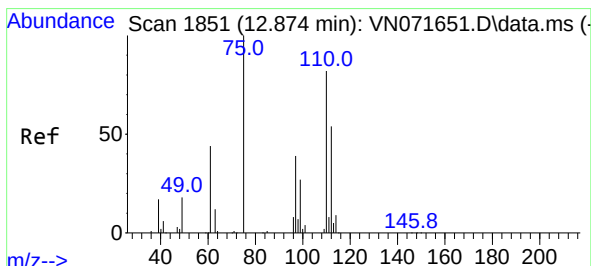
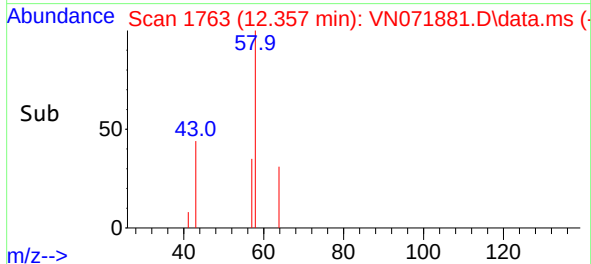
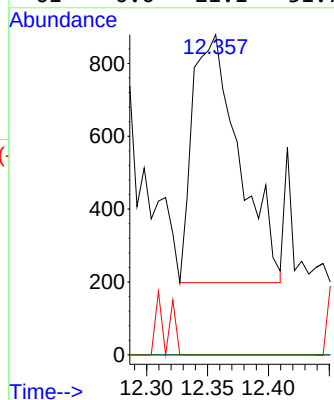


#74
N-amy1 acetate
Concen: 0.204 ug/l
RT: 12.357 min Scan# 1811
Delta R.T. -0.023 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

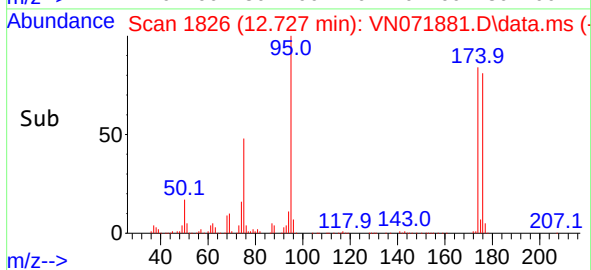
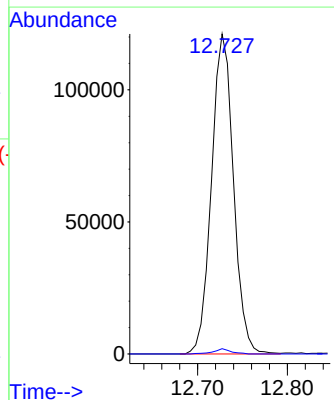
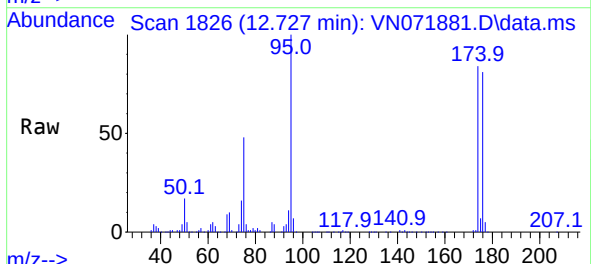


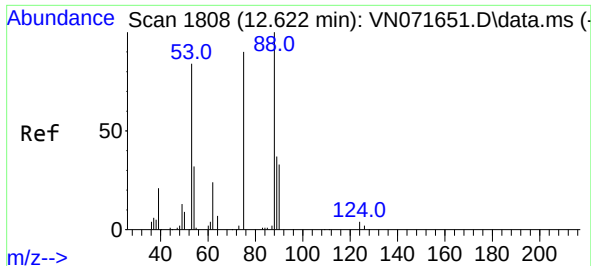
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 24.220 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 75 Resp: 205854
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

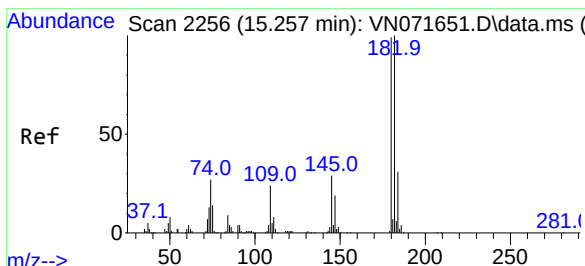
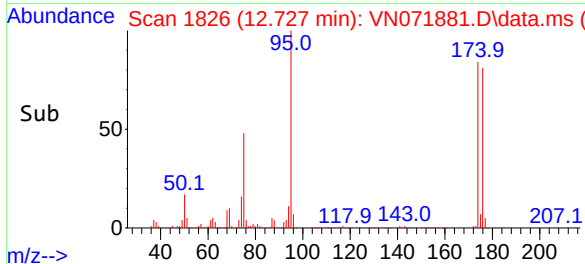
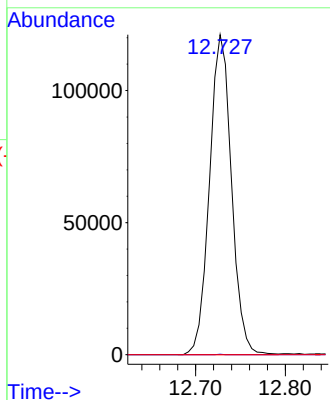
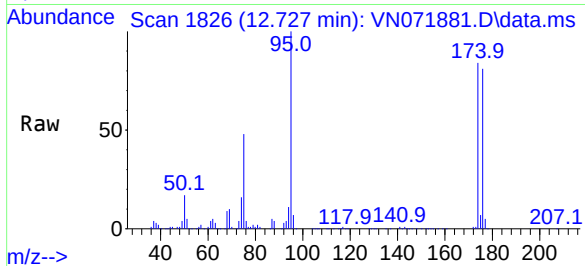




#81
trans-1,4-Dichloro-2-butene
Concen: 75.057 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

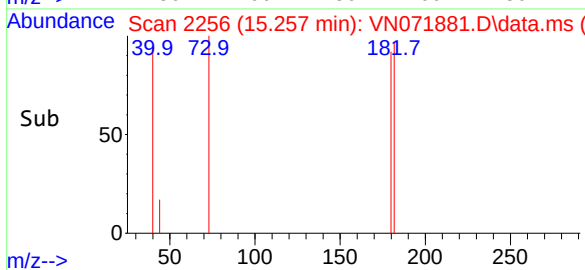
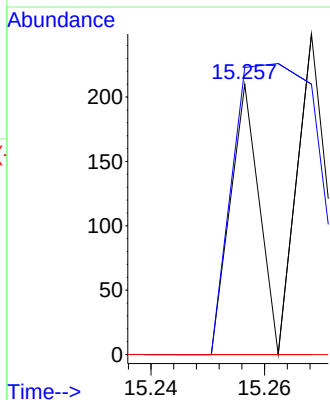
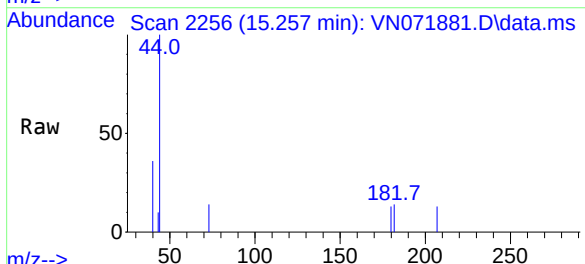
Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

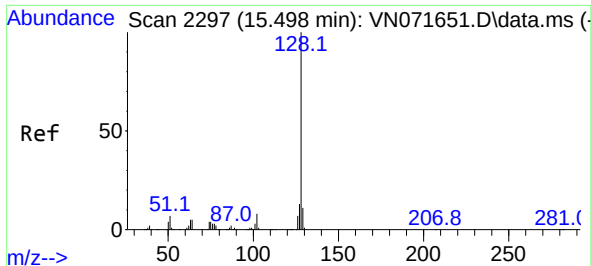
Tgt Ion: 75 Resp: 205854
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.098 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion: 180 Resp: 74
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#

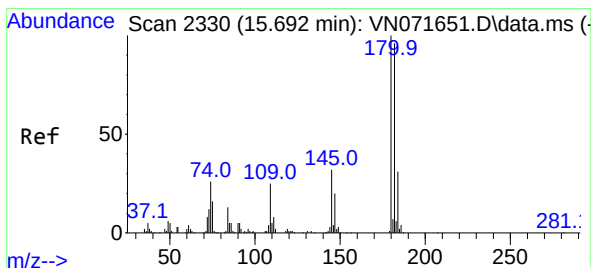
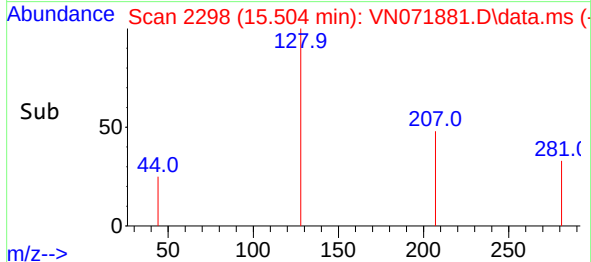
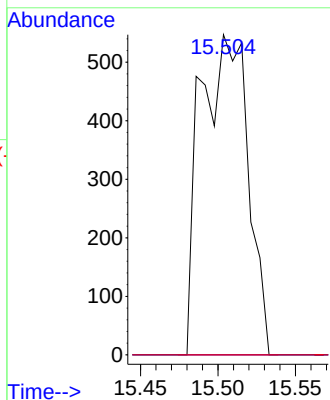
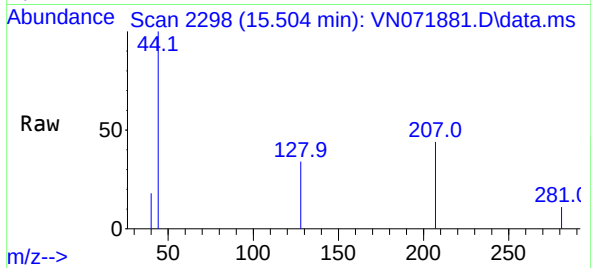




#95
Naphthalene
Concen: 3.867 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Instrument :
MSVOA_N
ClientSampleId :
PB143897ZHE#01

Tgt Ion:128 Resp: 1166
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: 2.450 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071881.D
Acq: 06 Apr 2022 15:55

Tgt Ion:180 Resp: 216
Ion Ratio Lower Upper
180 100
182 30.6 47.8 143.3#
145 0.0 15.5 46.5#

