

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071546.D
 Acq On : 25 Mar 2022 14:41
 Operator : JC\MD
 Sample : PB143557ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#05

Quant Time: Mar 26 04:01:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

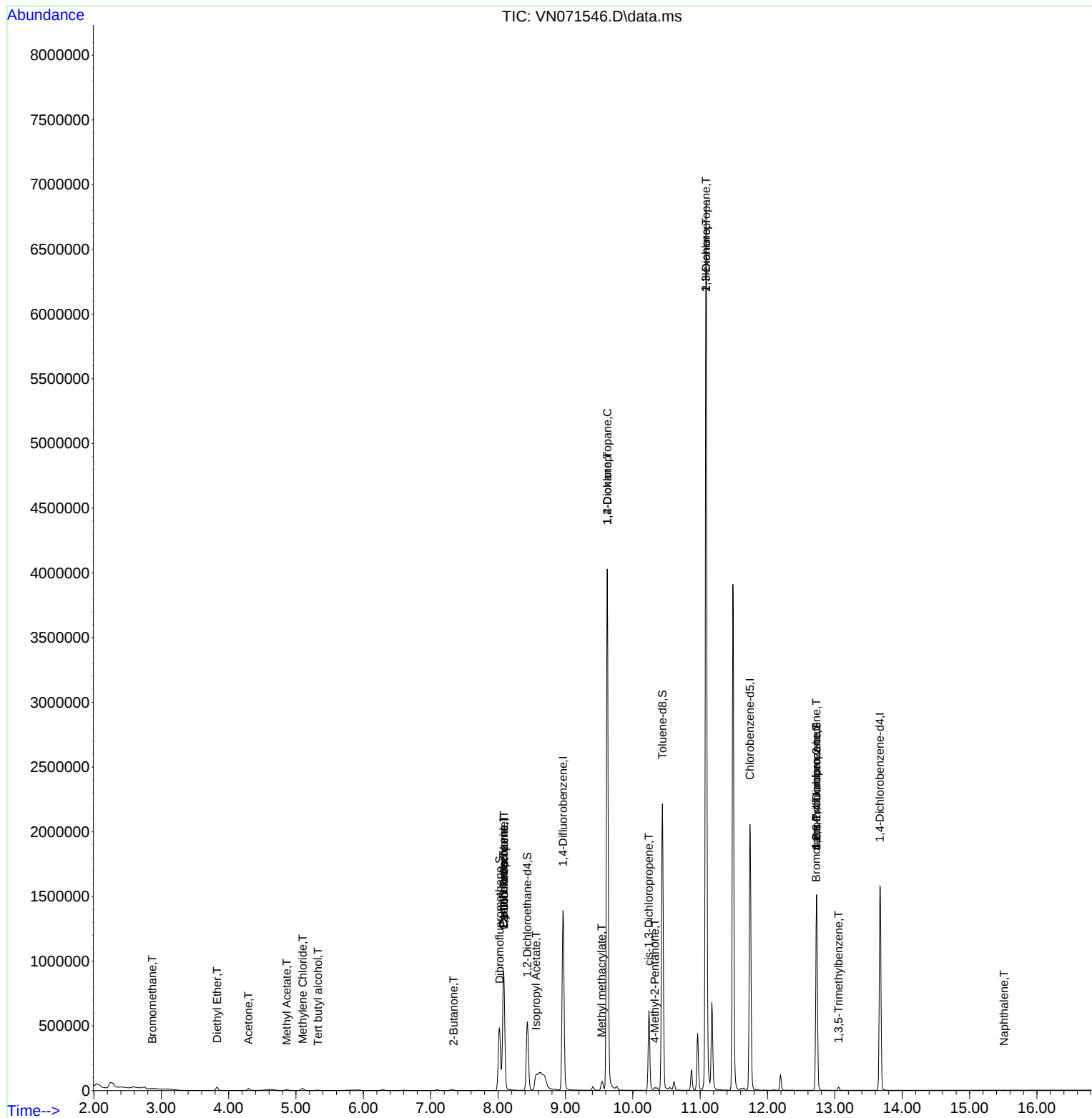
Internal Standards						
1) Pentafluorobenzene	8.081	168	742114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1286037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1270993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	471779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	447293	48.513	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.020%		
35) Dibromofluoromethane	8.022	113	366161	45.304	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.600%		
50) Toluene-d8	10.439	98	1593606	48.883	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.760%		
62) 4-Bromofluorobenzene	12.727	95	535088	50.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.180%		
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	2494	Below Cal		95
5) Bromomethane	2.869	94	1242	0.225 ug/l #		55
8) Diethyl Ether	3.828	74	15527	3.090 ug/l		98
11) Tert butyl alcohol	5.328	59	3510	2.043 ug/l #		72
16) Acetone	4.293	43	26227	6.940 ug/l #		88
18) Methyl Acetate	4.863	43	15126	0.291 ug/l #		72
20) Methylene Chloride	5.098	84	13335	1.514 ug/l		94
25) 2-Butanone	7.339	43	5671	0.935 ug/l		91
31) Cyclohexane	8.081	56	14067	1.066 ug/l #		1
36) 1,1-Dichloropropene	8.086	75	52970	4.545 ug/l #		48
38) Carbon Tetrachloride	8.086	117	68853	6.061 ug/l #		17
43) Isopropyl Acetate	8.563	43	134009	6.243 ug/l #		76
45) 1,2-Dichloropropane	9.622	63	5333	0.593 ug/l #		44
48) Methyl methacrylate	9.539	41	18100	1.974 ug/l #		10
49) 1,4-Dioxane	9.622	88	663	3.133 ug/l #		1
51) 4-Methyl-2-Pentanone	10.327	43	13633	1.072 ug/l		90
54) cis-1,3-Dichloropropene	10.239	75	118064	8.306 ug/l #		62
57) 1,3-Dichloropropane	11.086	76	76858	4.963 ug/l #		42
59) 2-Hexanone	11.086	43	993376	108.358 ug/l #		47
71) Bromoform	12.721	173	3158	0.421 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.727	83	381	Below Cal #		1
76) 1,2,3-Trichloropropane	12.727	75	264356	25.129 ug/l #		1
80) 1,3,5-Trimethylbenzene	13.057	105	11558	0.352 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.727	75	264356	67.277 ug/l #		10
95) Naphthalene	15.509	128	1626	3.278 ug/l #		69

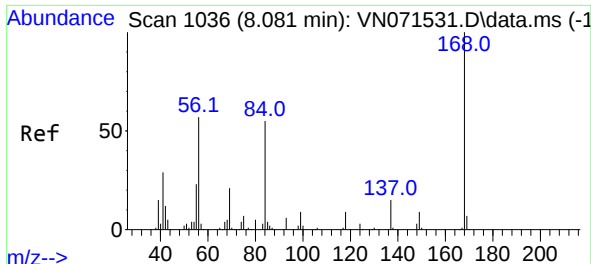
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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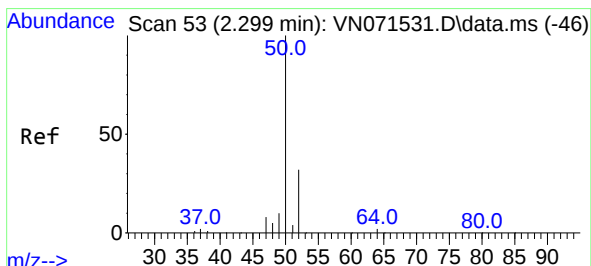
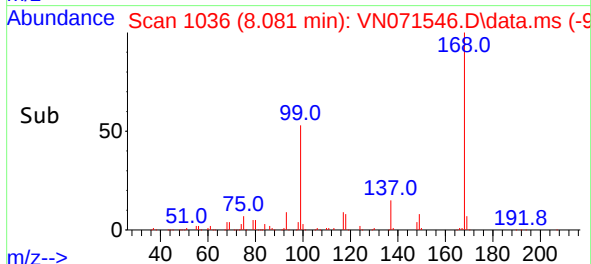
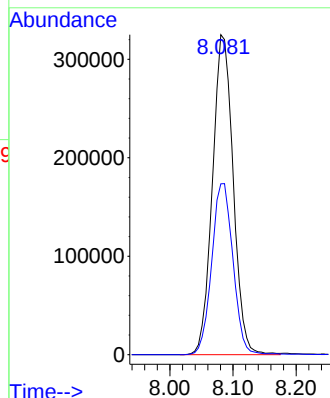
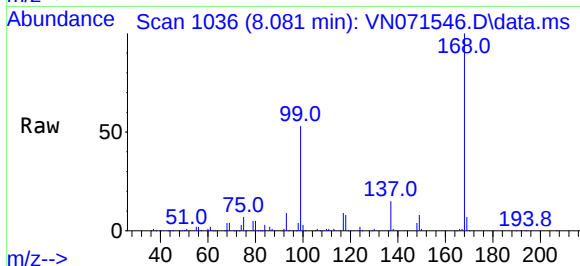




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

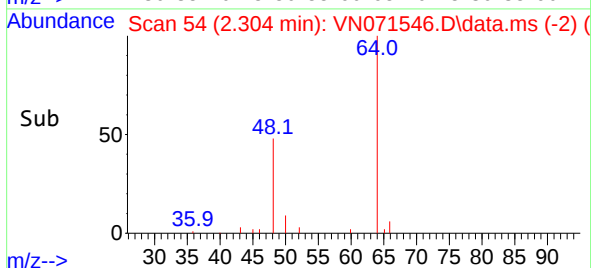
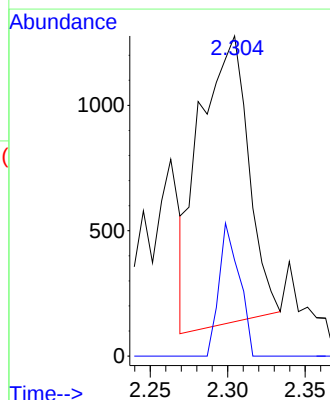
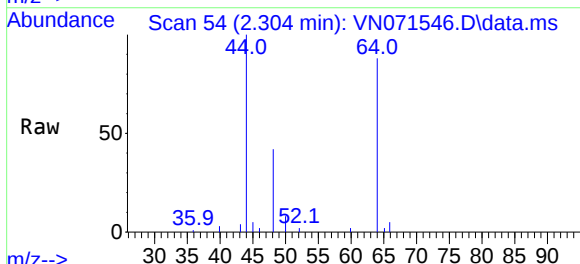
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

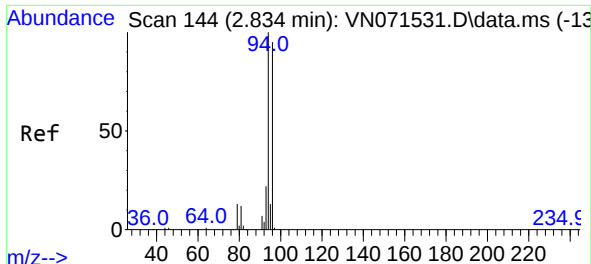
Tgt Ion:168 Resp: 742114
Ion Ratio Lower Upper
168 100
99 53.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 50 Resp: 2494
Ion Ratio Lower Upper
50 100
52 34.7 25.7 38.5

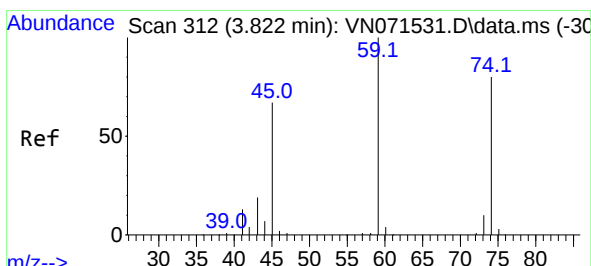
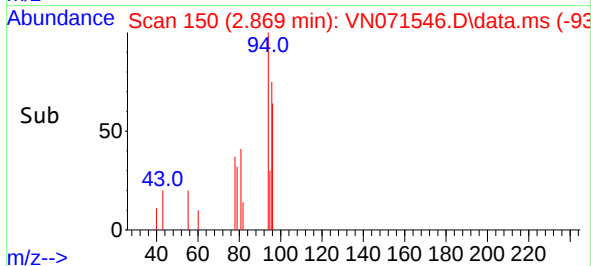
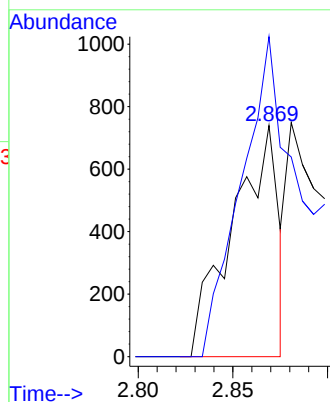
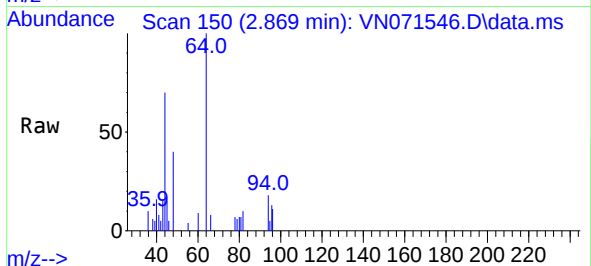




#5
Bromomethane
Concen: 0.225 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

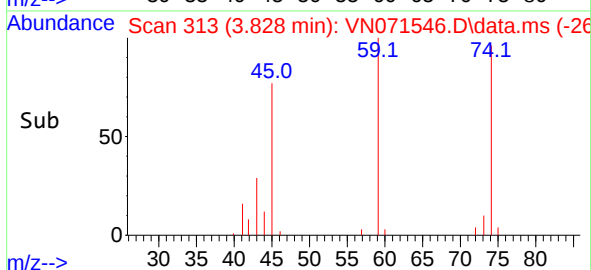
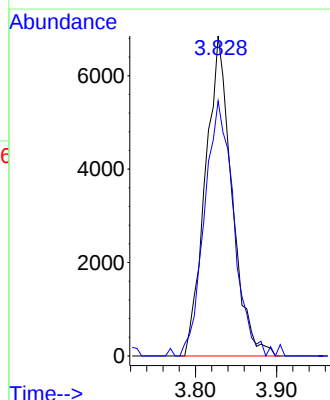
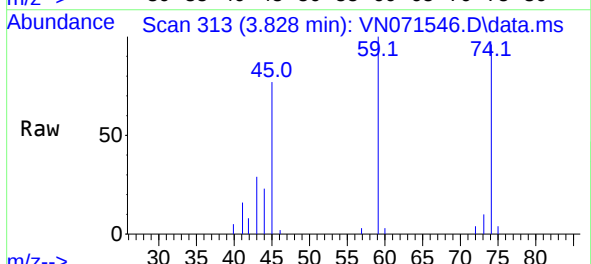
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

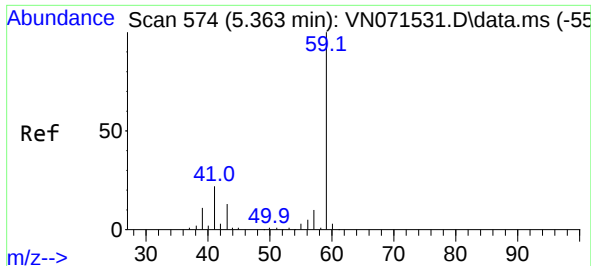
Tgt Ion: 94 Resp: 1242
Ion Ratio Lower Upper
94 100
96 138.4 76.0 114.0#



#8
Diethyl Ether
Concen: 3.090 ug/l
RT: 3.828 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 74 Resp: 15527
Ion Ratio Lower Upper
74 100
45 87.9 42.9 128.5

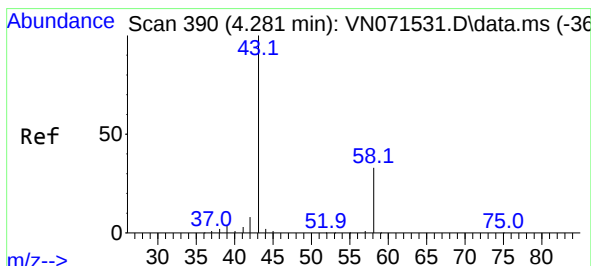
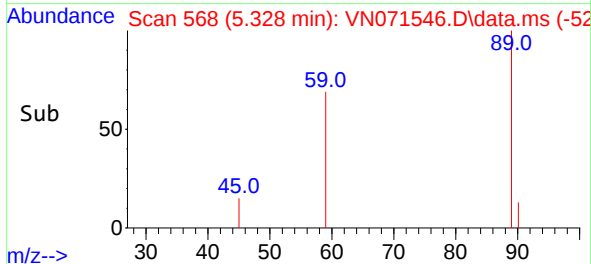
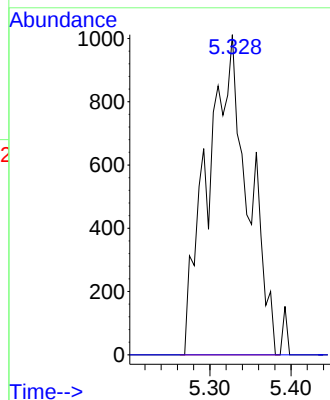
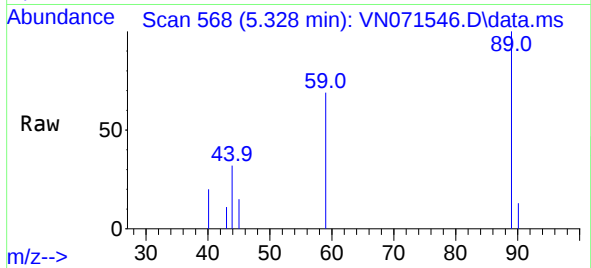




#11
Tert butyl alcohol
Concen: 2.043 ug/l
RT: 5.328 min Scan# 50
Delta R.T. -0.035 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

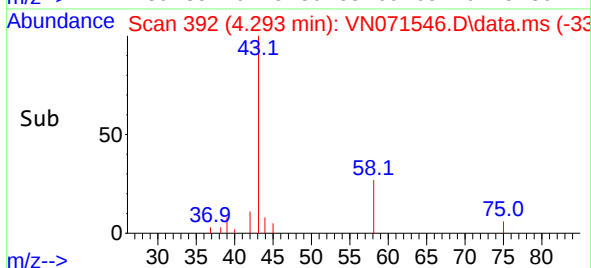
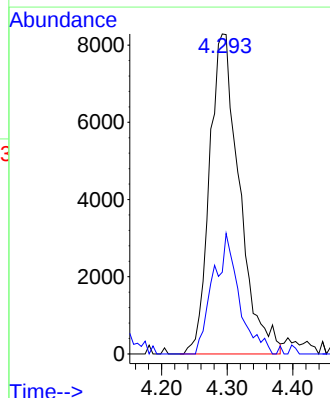
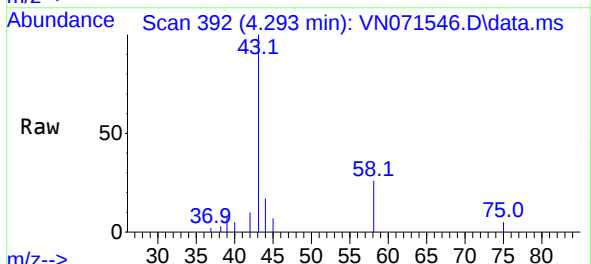
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

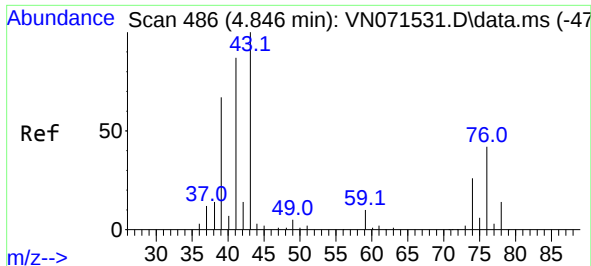
Tgt Ion: 59 Resp: 3510
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.940 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 43 Resp: 26227
Ion Ratio Lower Upper
43 100
58 25.5 26.0 39.0#

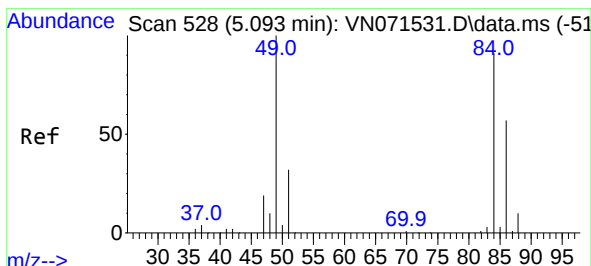
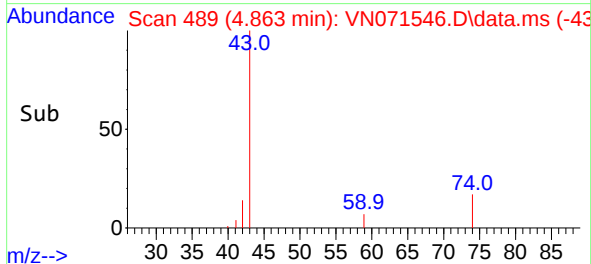
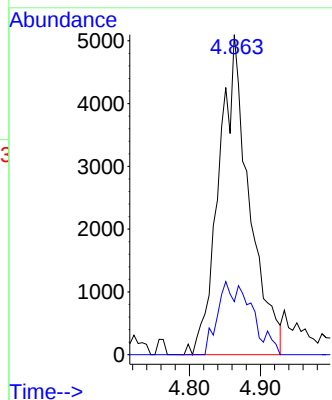
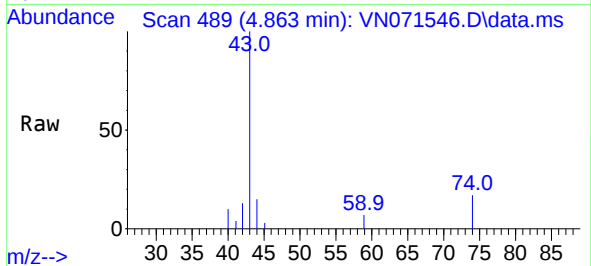




#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

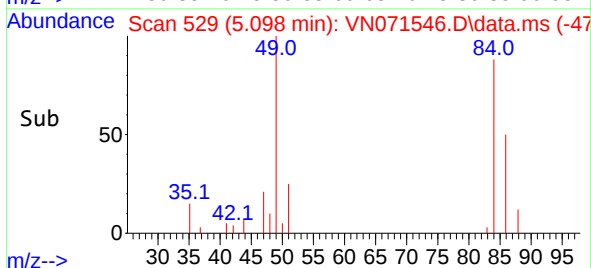
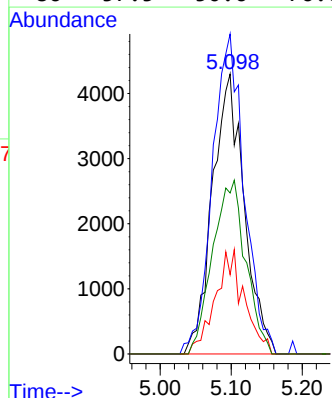
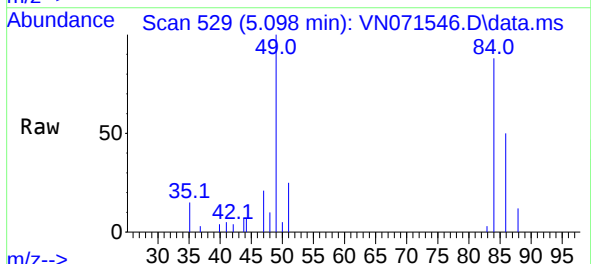
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

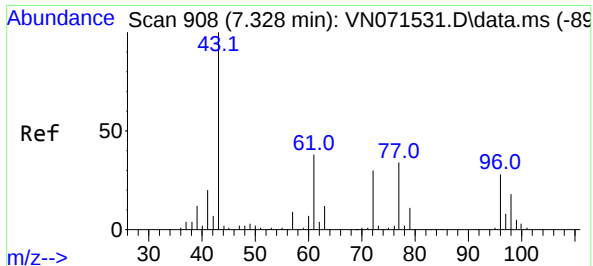
Tgt Ion: 43 Resp: 15126
Ion Ratio Lower Upper
43 100
74 12.4 21.6 32.4#



#20
Methylene Chloride
Concen: 1.514 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 84 Resp: 13335
Ion Ratio Lower Upper
84 100
49 114.3 88.3 132.5
51 28.4 28.2 42.2
86 57.5 50.6 76.0





#25

2-Butanone

Concen: 0.935 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

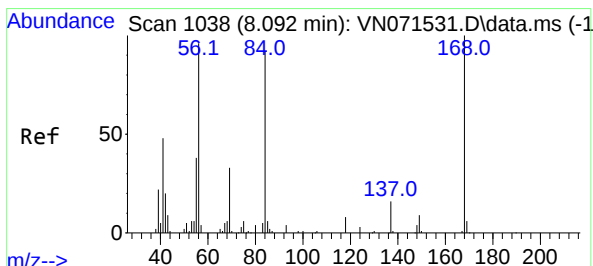
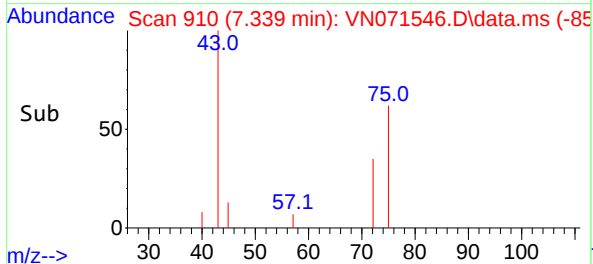
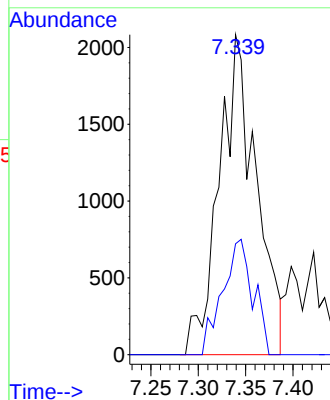
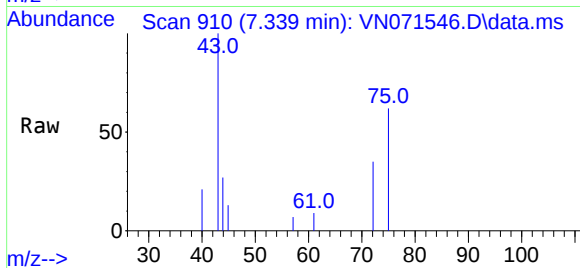
PB143557ZHE#05

Tgt Ion: 43 Resp: 5671

Ion Ratio Lower Upper

43 100

72 34.7 23.7 35.5



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

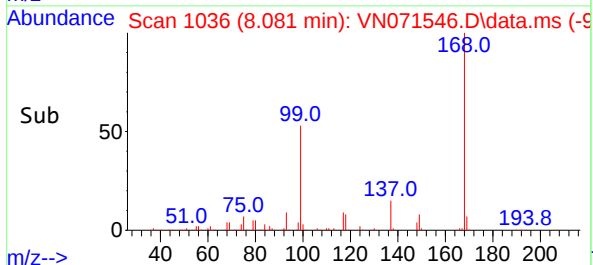
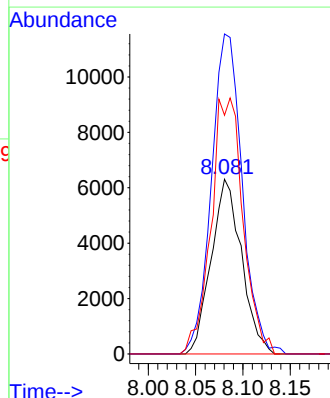
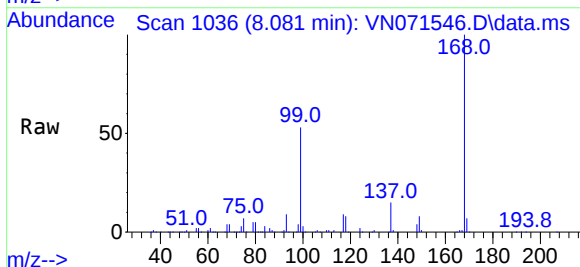
Tgt Ion: 56 Resp: 14067

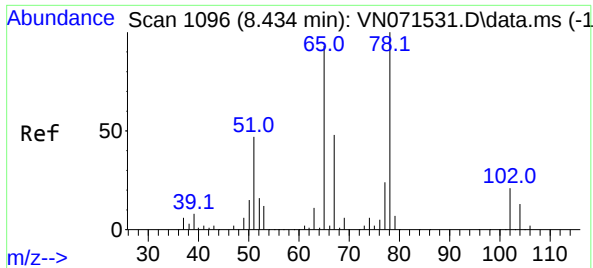
Ion Ratio Lower Upper

56 100

69 183.2 27.8 41.8#

84 136.7 76.9 115.3#

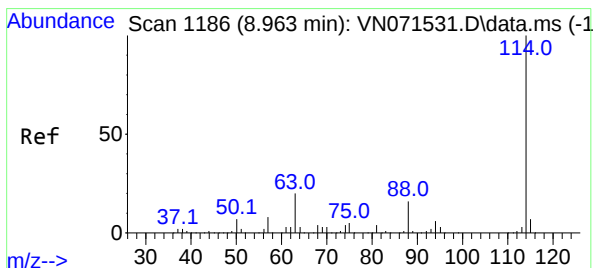
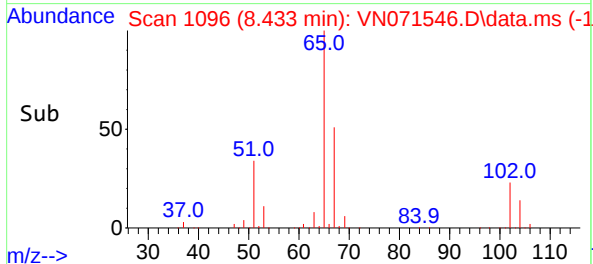
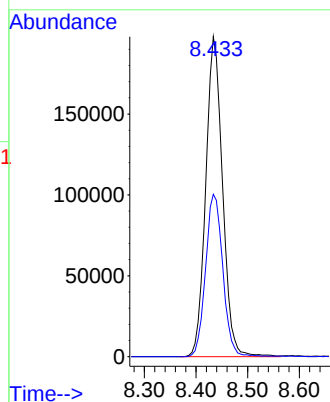
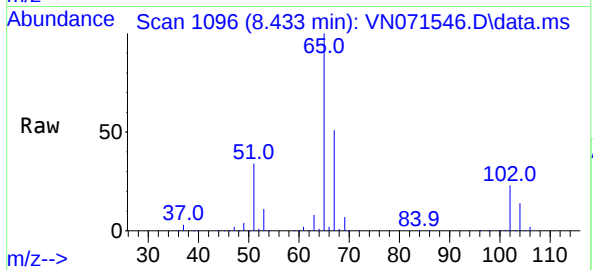




#33
1,2-Dichloroethane-d4
Concen: 48.513 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

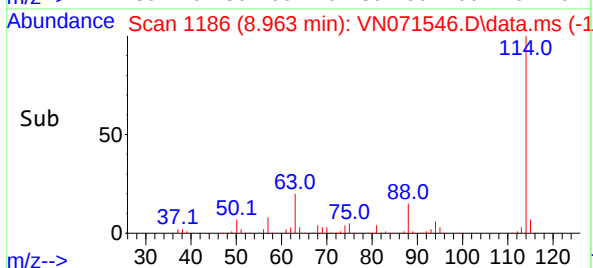
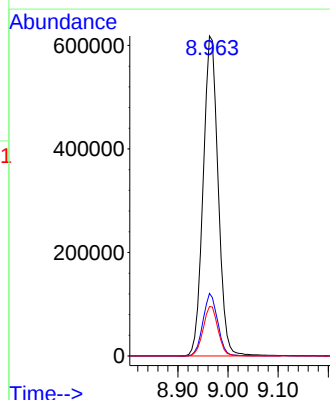
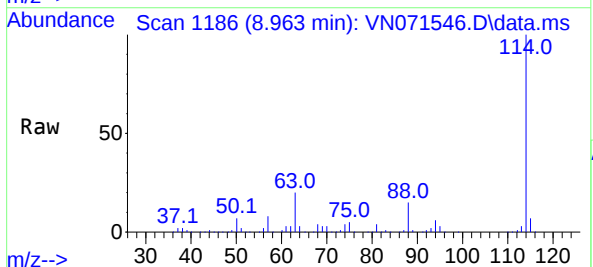
Instrument :
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PB143557ZHE#05

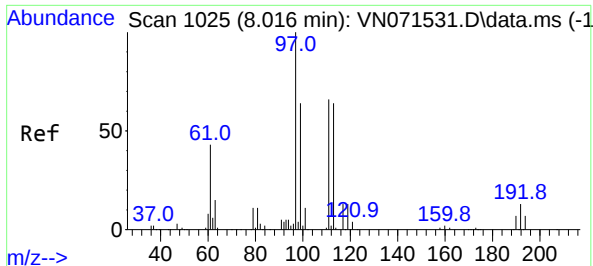
Tgt Ion: 65 Resp: 447293
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

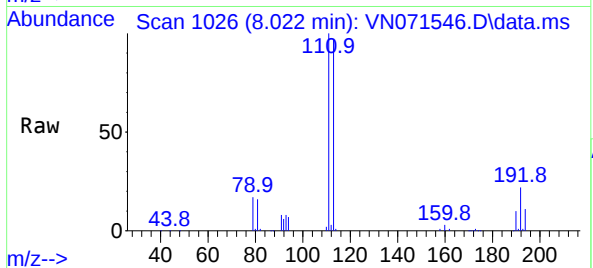
Tgt Ion: 114 Resp: 1286037
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.0
88 15.4 0.0 32.6



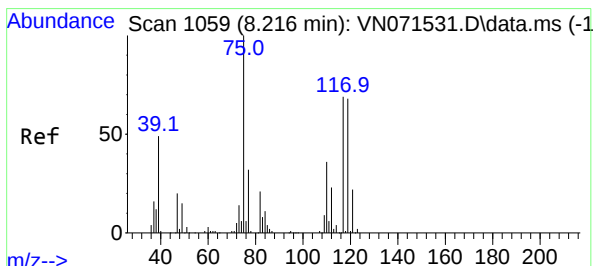
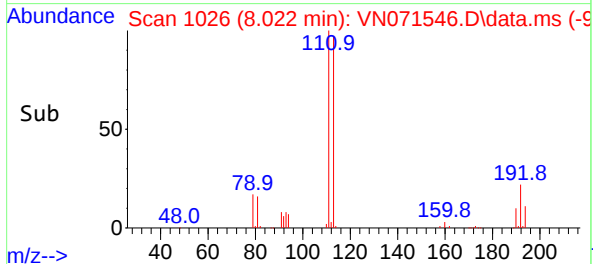
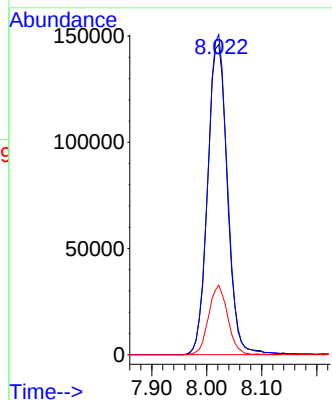


#35
Dibromofluoromethane
Concen: 45.304 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

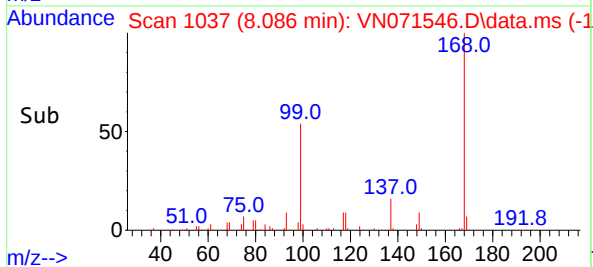
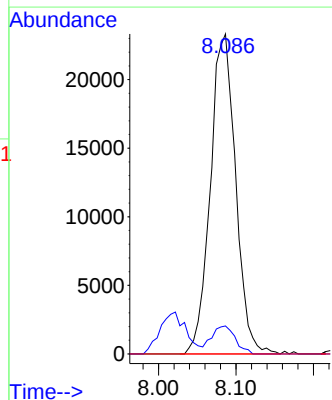
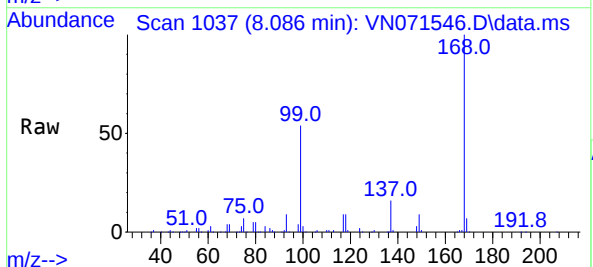


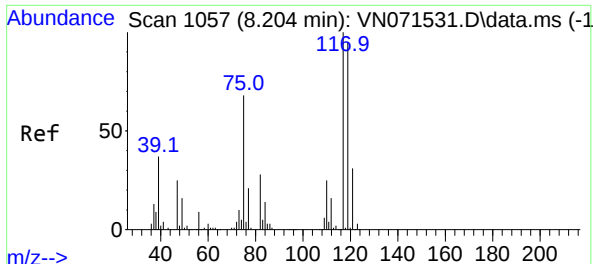
Tgt Ion:113 Resp: 366161
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 75 Resp: 52970
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.0 25.1 37.7#

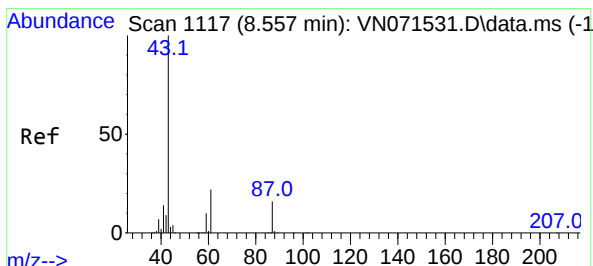
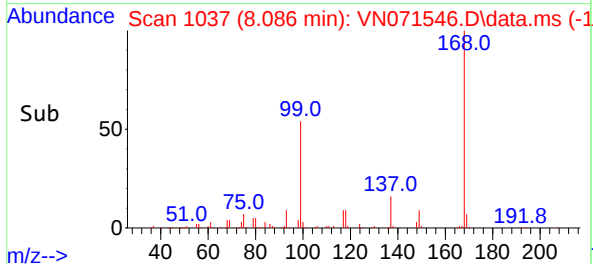
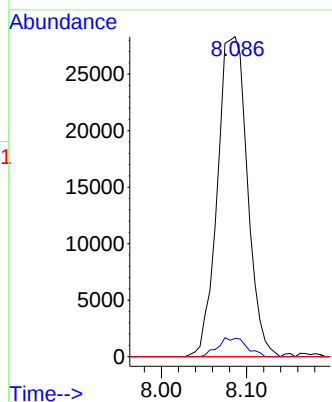
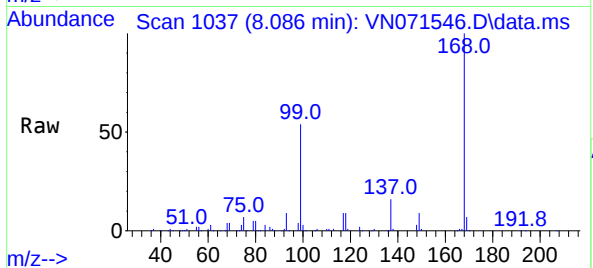




#38
Carbon Tetrachloride
Concen: 6.061 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

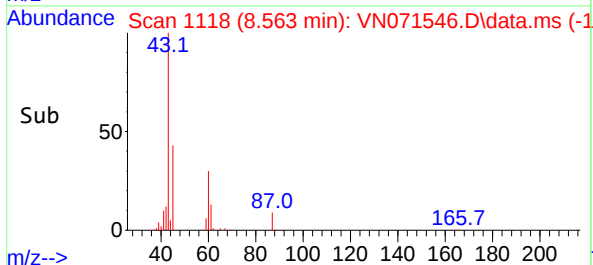
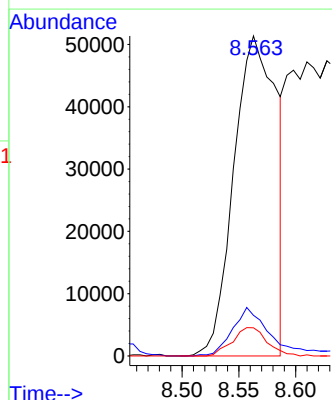
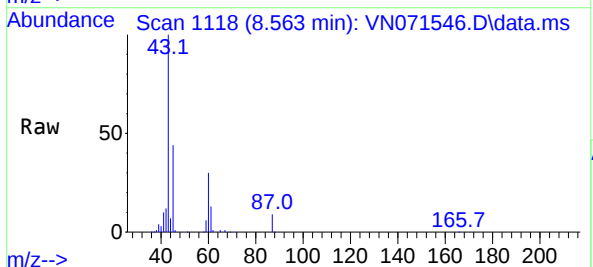
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

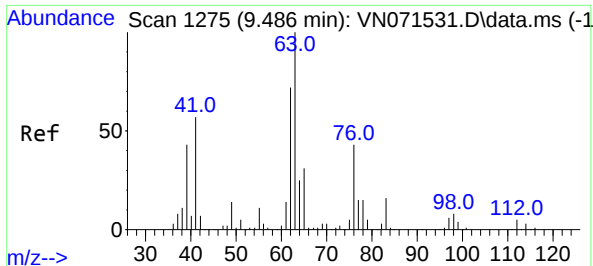
Tgt Ion:117 Resp: 68853
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.243 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 43 Resp: 134009
Ion Ratio Lower Upper
43 100
61 13.6 21.9 32.9#
87 7.2 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.593 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

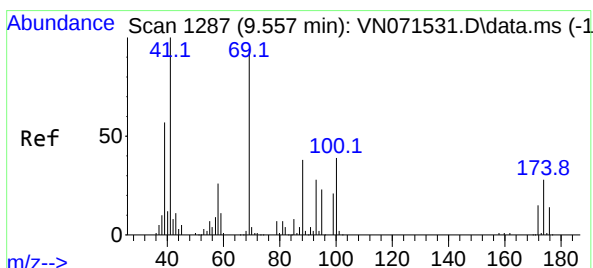
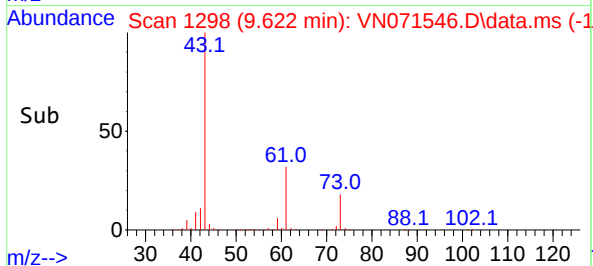
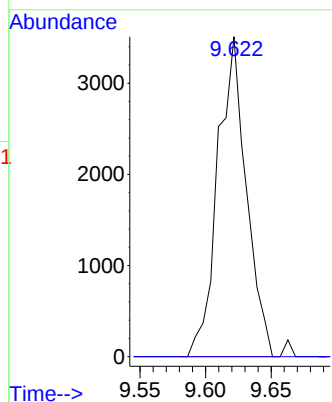
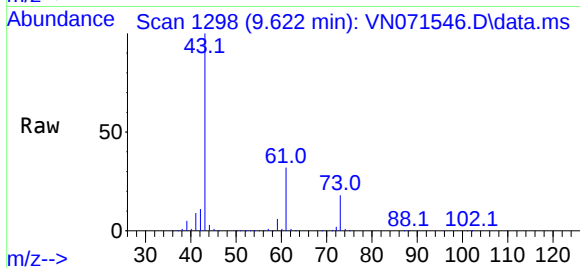
PB143557ZHE#05

Tgt Ion: 63 Resp: 5333

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.974 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

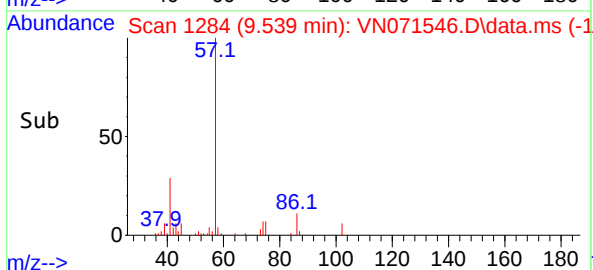
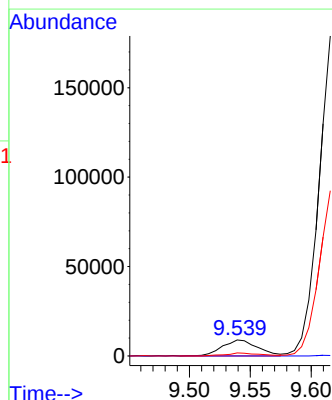
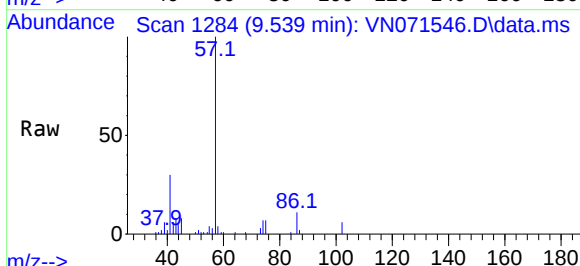
Tgt Ion: 41 Resp: 18100

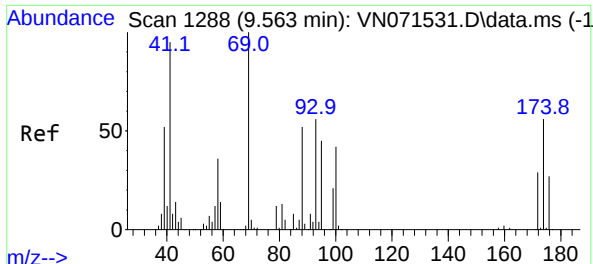
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#

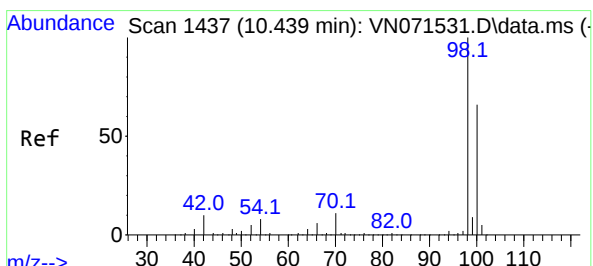
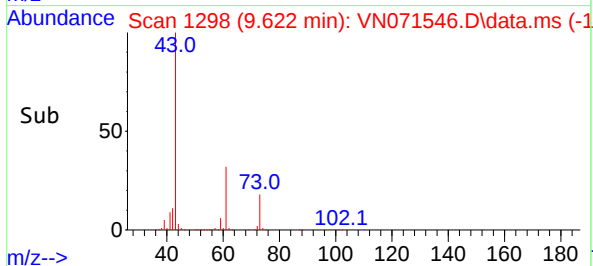
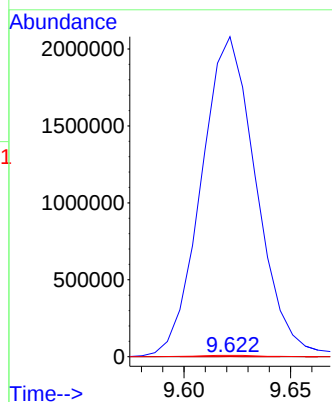
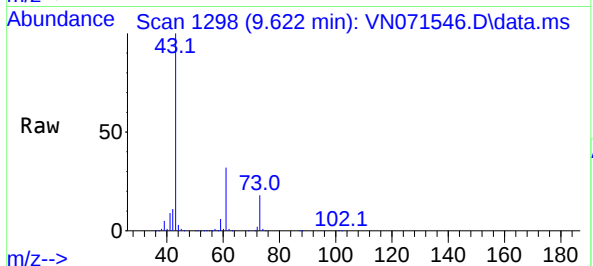




#49
1,4-Dioxane
Concen: 3.133 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

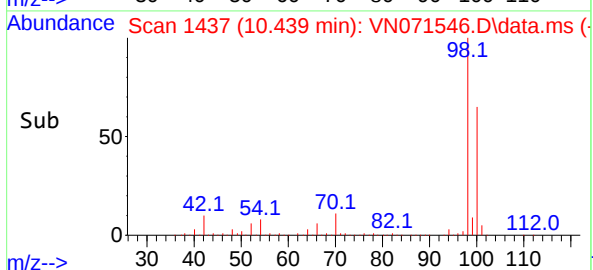
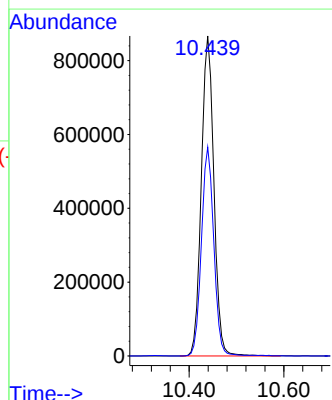
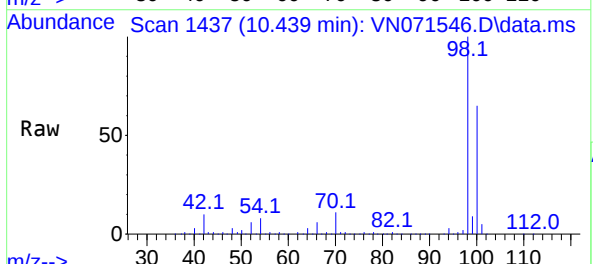
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

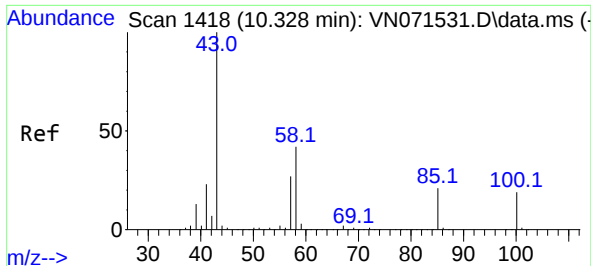
Tgt Ion: 88 Resp: 663
Ion Ratio Lower Upper
88 100
43 573951.3 20.2 30.4#
58 2629.6 54.2 81.4#



#50
Toluene-d8
Concen: 48.883 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 98 Resp: 1593606
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.072 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. -0.000 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

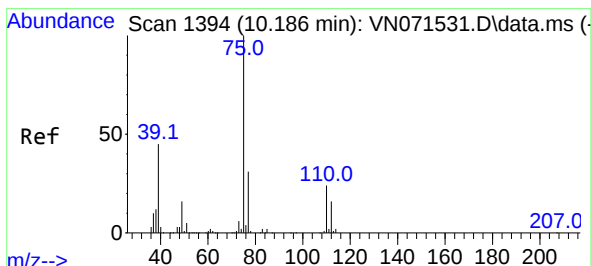
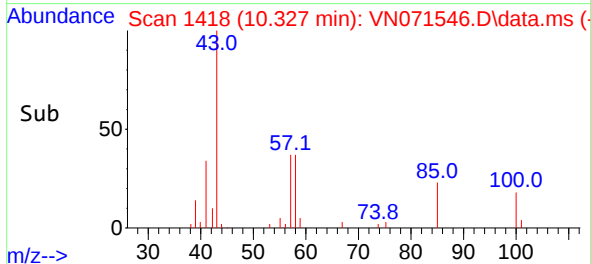
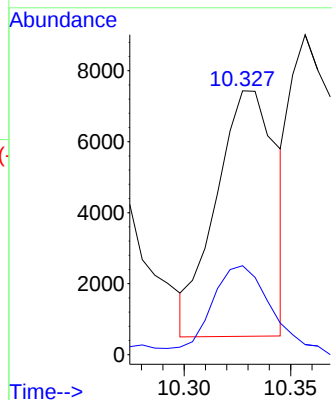
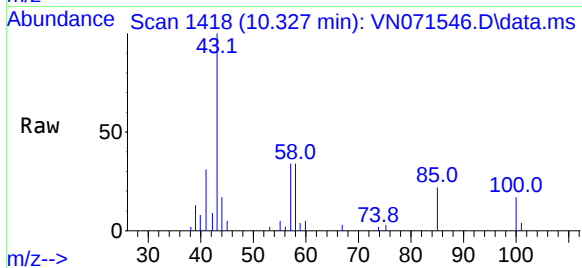
PB143557ZHE#05

Tgt Ion: 43 Resp: 13633

Ion Ratio Lower Upper

43 100

58 36.2 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 8.306 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

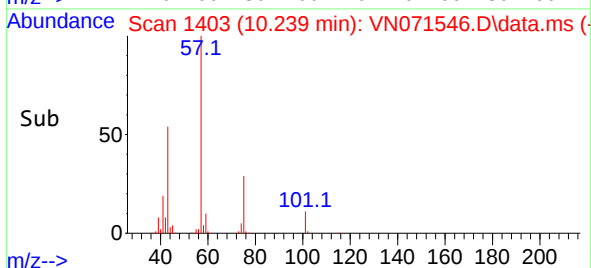
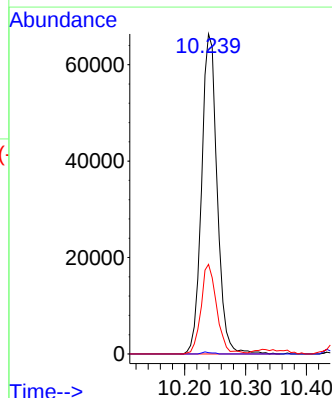
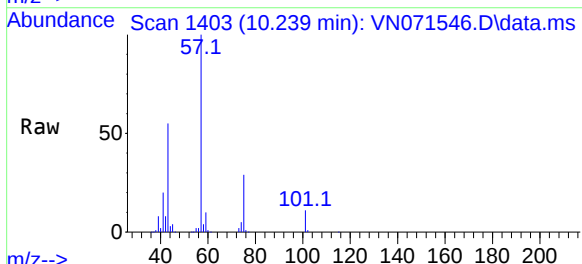
Tgt Ion: 75 Resp: 118064

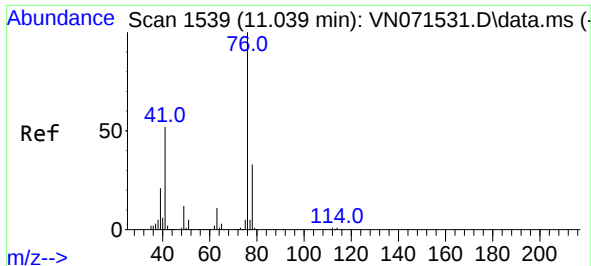
Ion Ratio Lower Upper

75 100

77 0.4 25.2 37.8#

39 28.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.963 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071546.D

Acq: 25 Mar 2022 14:41

Instrument :

MSVOA_N

ClientSampleId :

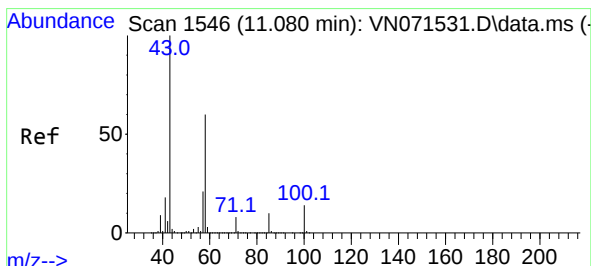
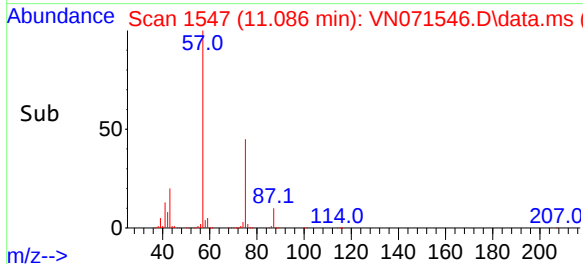
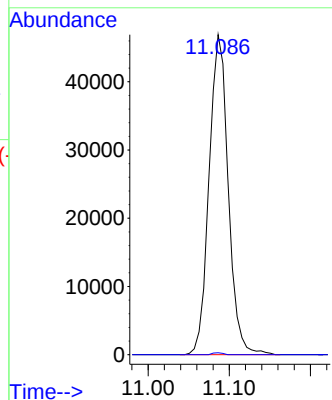
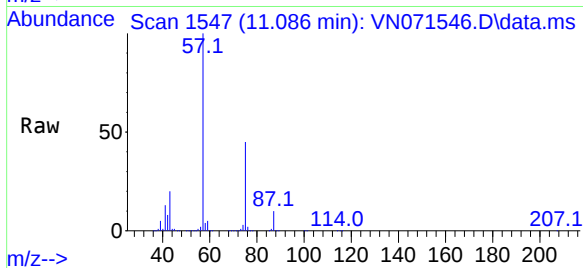
PB143557ZHE#05

Tgt Ion: 76 Resp: 76858

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.2#



#59

2-Hexanone

Concen: 108.358 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071546.D

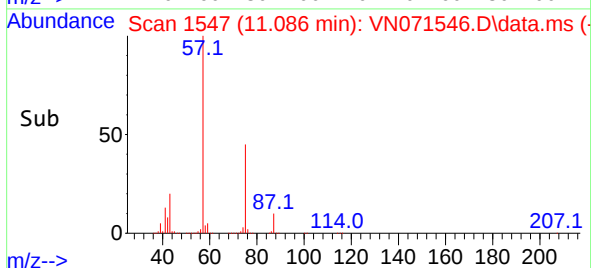
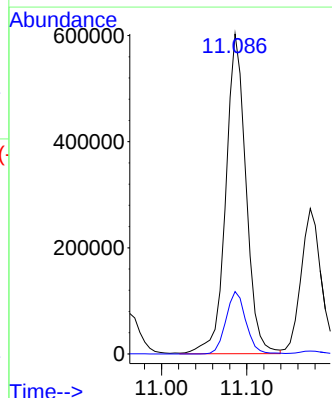
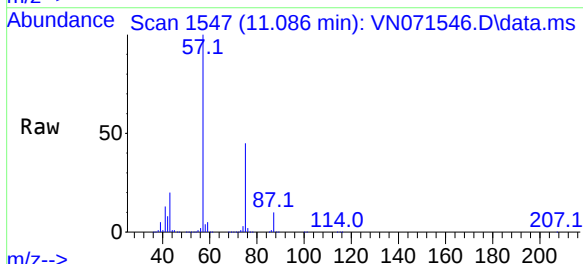
Acq: 25 Mar 2022 14:41

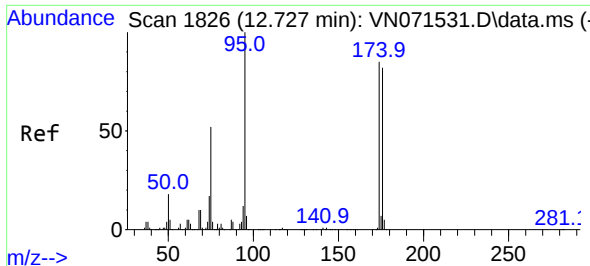
Tgt Ion: 43 Resp: 993376

Ion Ratio Lower Upper

43 100

58 19.3 29.7 89.1#

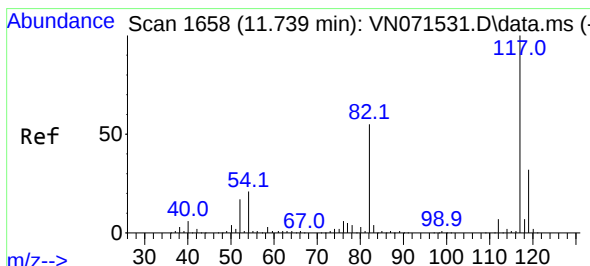
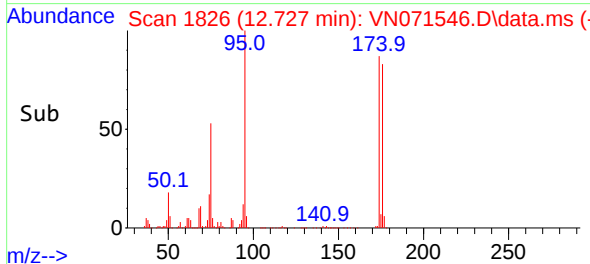
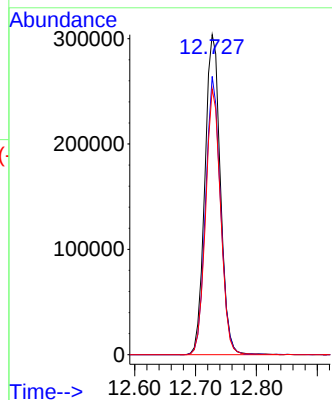
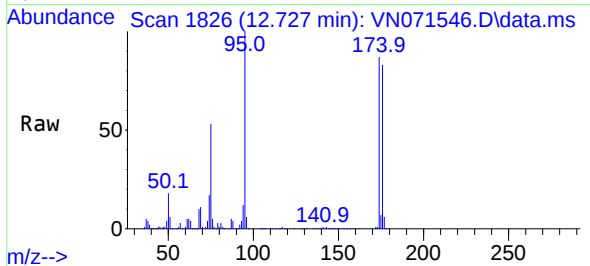




#62
4-Bromofluorobenzene
Concen: 50.093 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

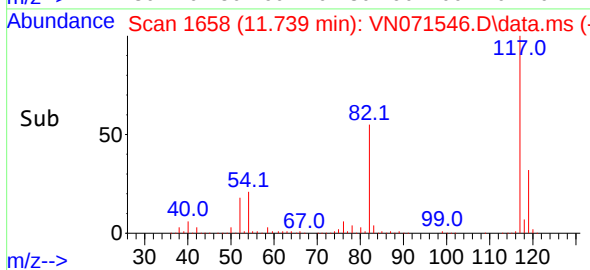
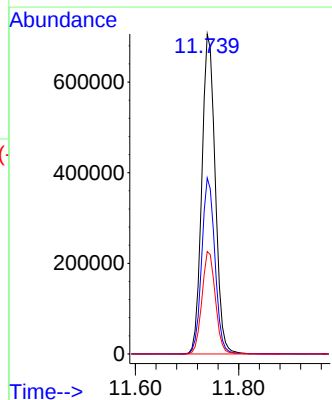
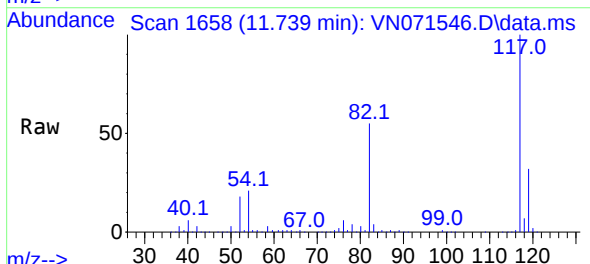
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

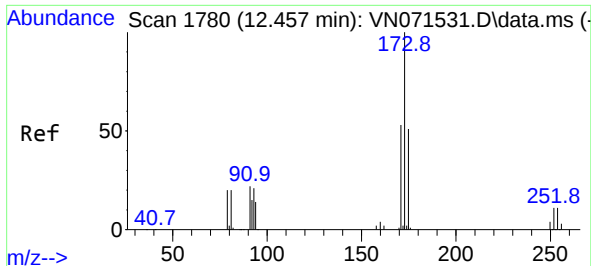
Tgt Ion: 95 Resp: 535088
Ion Ratio Lower Upper
95 100
174 83.8 0.0 167.6
176 80.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 117 Resp: 1270993
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.0 25.4 38.0

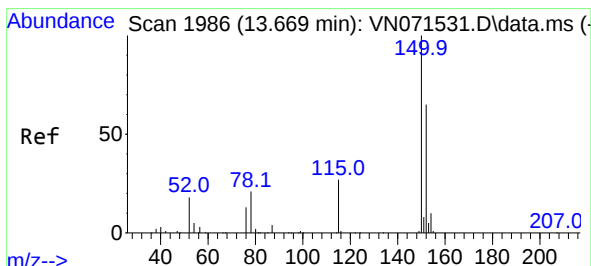
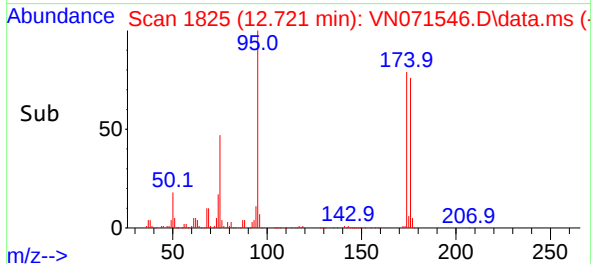
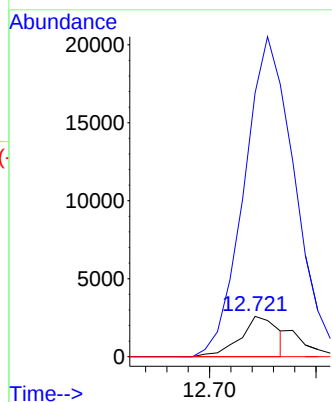
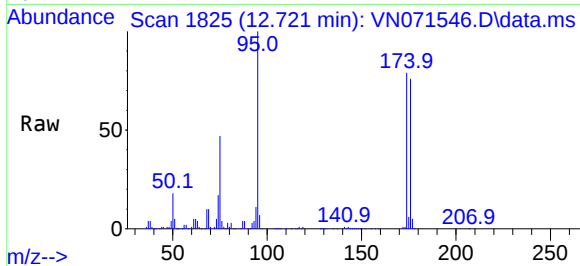




#71
Bromoform
Concen: 0.421 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.265 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

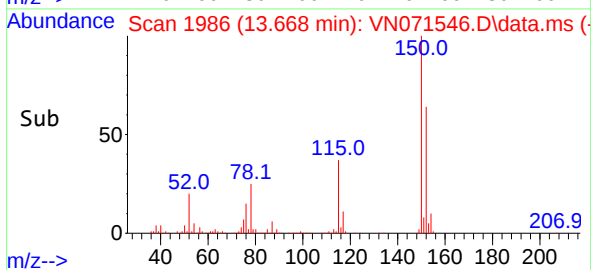
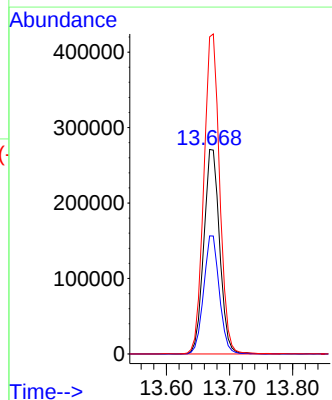
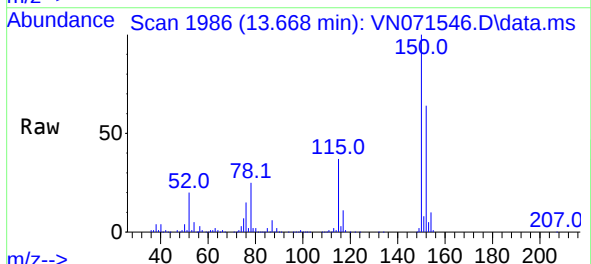
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

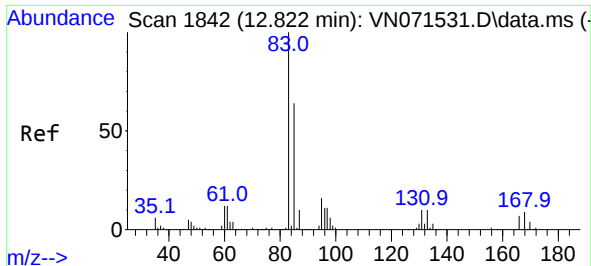
Tgt Ion:173 Resp: 3158
Ion Ratio Lower Upper
173 100
175 804.6 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion:152 Resp: 471779
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 156.3 0.0 356.2

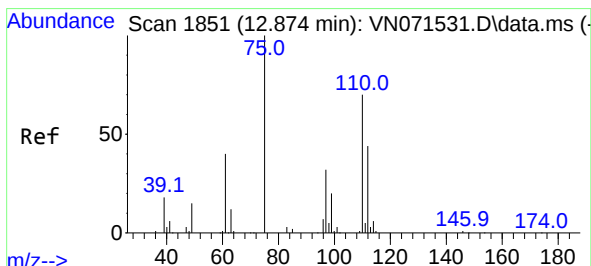
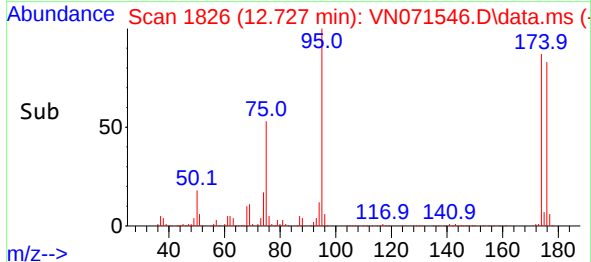
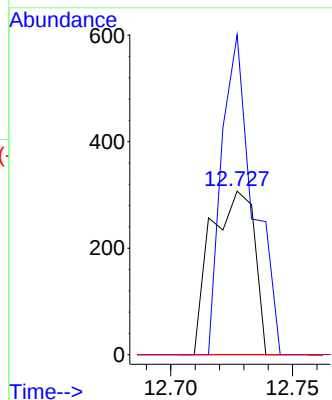
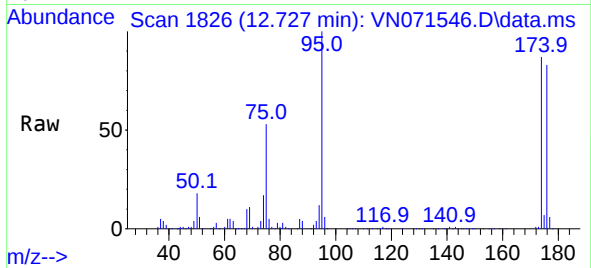




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1842
Delta R.T. -0.095 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

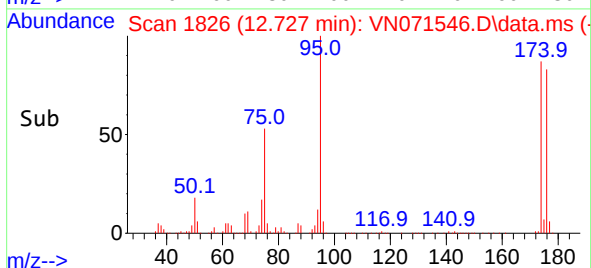
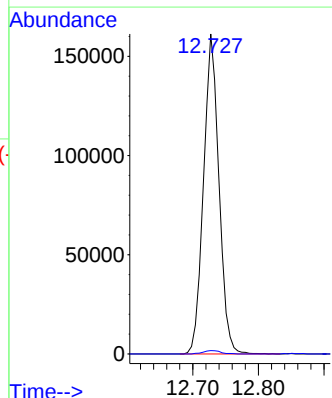
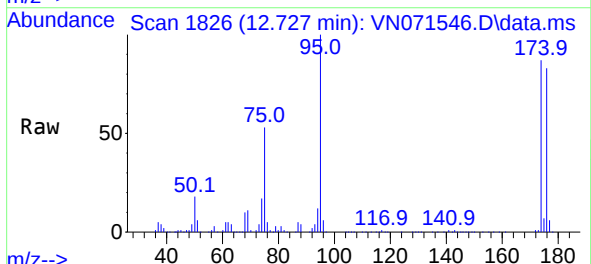
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

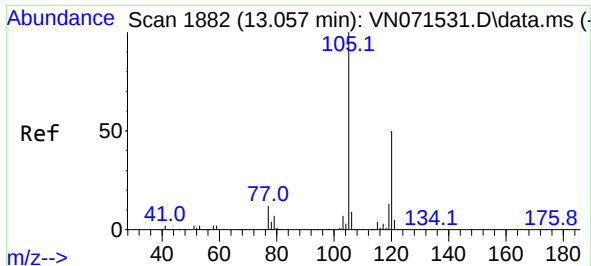
Tgt Ion: 83 Resp: 381
Ion Ratio Lower Upper
83 100
131 142.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.129 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Tgt Ion: 75 Resp: 264356
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

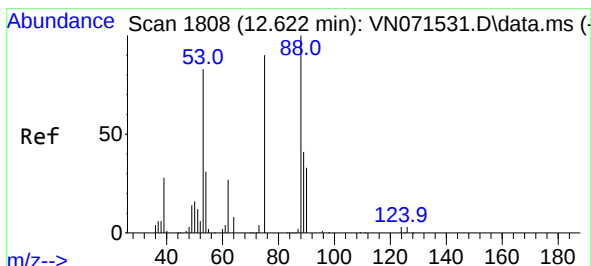
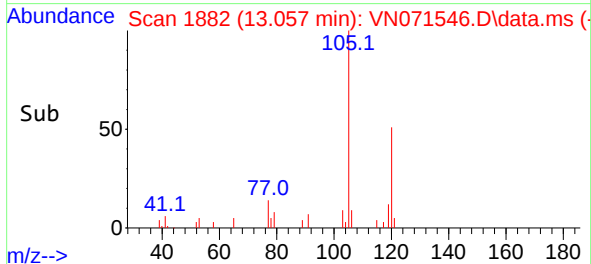
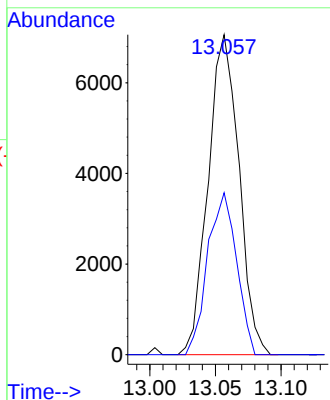
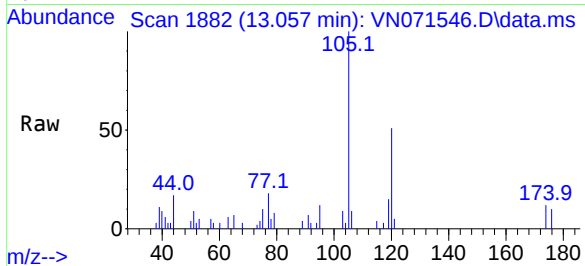




#80
1,3,5-Trimethylbenzene
Concen: 0.352 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

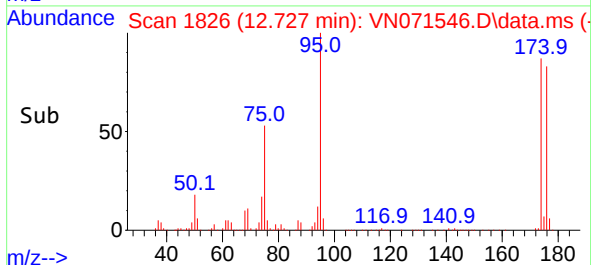
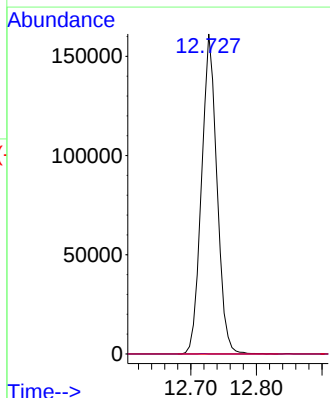
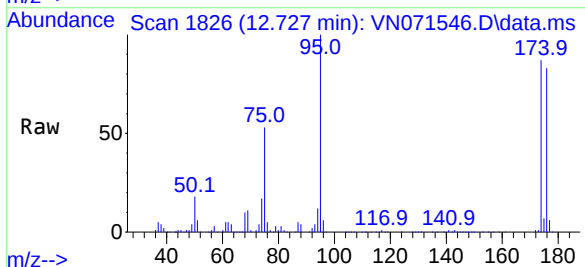
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05

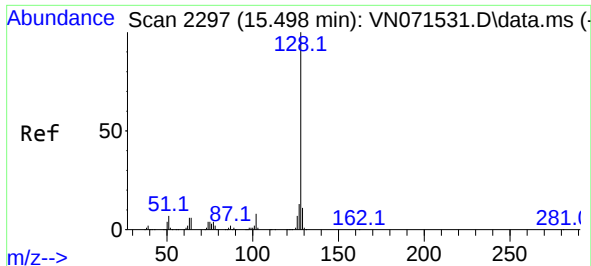
Tgt Ion:105 Resp: 11558
Ion Ratio Lower Upper
105 100
120 47.3 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 67.277 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

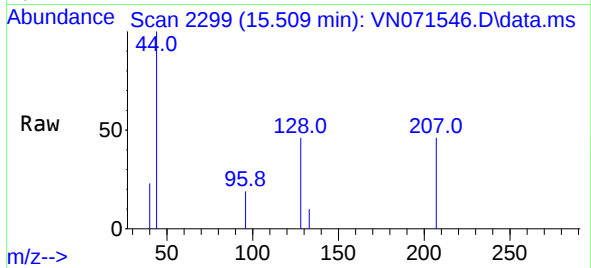
Tgt Ion: 75 Resp: 264356
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.278 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071546.D
Acq: 25 Mar 2022 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#05



Tgt Ion:	128	Resp:	1626
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

