

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071552.D
 Acq On : 25 Mar 2022 17:06
 Operator : JC\MD
 Sample : PB143557ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143557ZHE#11

Quant Time: Mar 26 04:04:19 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)

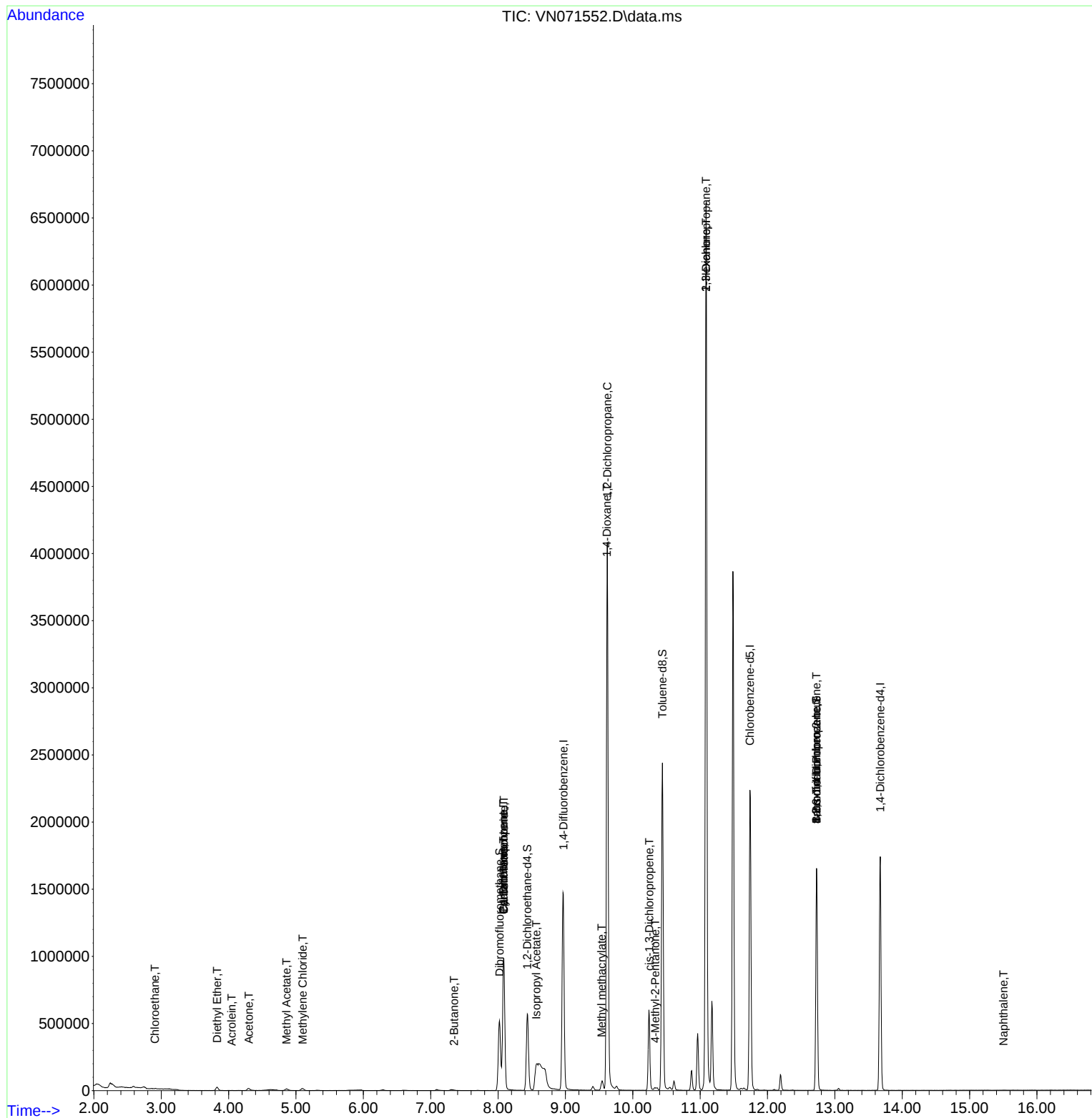
Internal Standards						
1) Pentafluorobenzene	8.081	168	812861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1388692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1371398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	515409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	477354	47.268	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.540%
35) Dibromofluoromethane	8.022	113	393127	45.045	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.080%
50) Toluene-d8	10.439	98	1740155	49.433	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.727	95	576157	49.950	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2333	Below Cal		94
6) Chloroethane	2.904	64	1905	0.248 ug/l	#	75
8) Diethyl Ether	3.828	74	14012	2.546 ug/l		86
13) Acrolein	4.046	56	552	0.384 ug/l	#	33
16) Acetone	4.298	43	27962	6.755 ug/l		98
18) Methyl Acetate	4.857	43	25630	1.147 ug/l		97
20) Methylene Chloride	5.098	84	12966	1.344 ug/l		89
25) 2-Butanone	7.345	43	6038	0.909 ug/l		90
31) Cyclohexane	8.081	56	14957	1.035 ug/l	#	7
36) 1,1-Dichloropropene	8.081	75	57764	4.590 ug/l	#	48
38) Carbon Tetrachloride	8.086	117	73762	6.013 ug/l	#	16
43) Isopropyl Acetate	8.569	43	218105	9.618 ug/l	#	67
45) 1,2-Dichloropropane	9.622	63	4903	0.505 ug/l	#	44
48) Methyl methacrylate	9.539	41	17692	1.787 ug/l	#	10
49) 1,4-Dioxane	9.616	88	716	3.134 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.333	43	12924	0.941 ug/l		92
54) cis-1,3-Dichloropropene	10.245	75	117976	7.686 ug/l	#	60
57) 1,3-Dichloropropane	11.086	76	74923	4.480 ug/l	#	43
59) 2-Hexanone	11.086	43	970300	98.017 ug/l	#	47
71) Bromoform	12.727	173	3320	0.410 ug/l	#	28
75) 1,1,2,2-Tetrachloroethane	12.727	83	321	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	284240	24.732 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.727	75	284240	66.214 ug/l	#	11
95) Naphthalene	15.504	128	890	3.246 ug/l	#	69

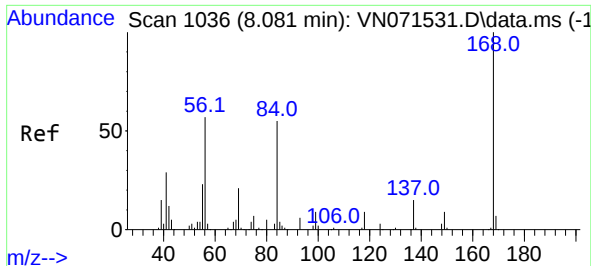
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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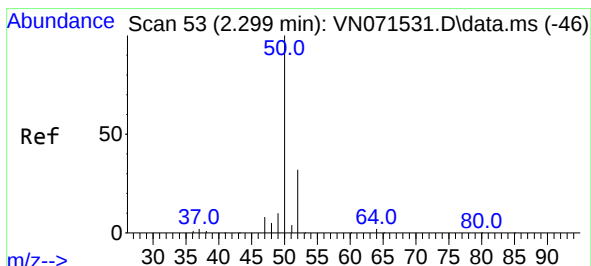
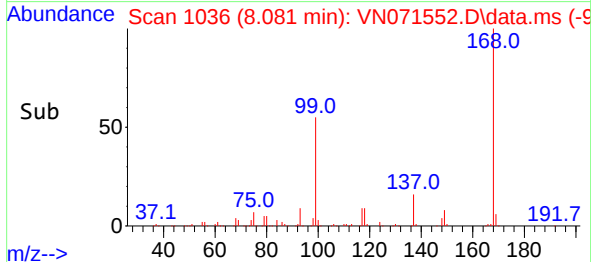
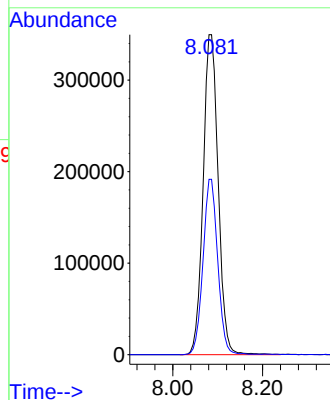
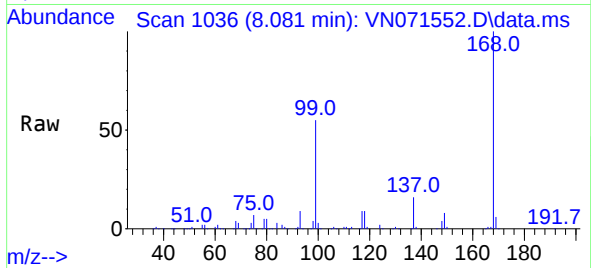




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

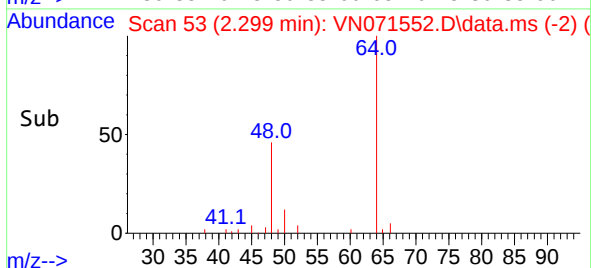
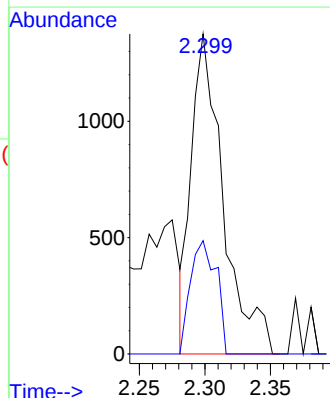
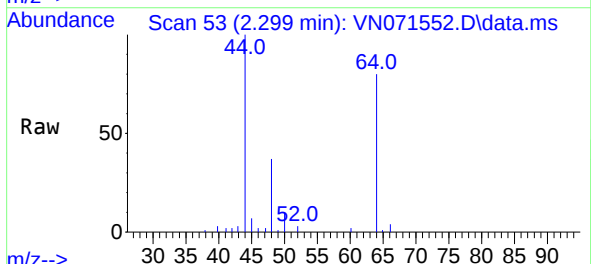
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

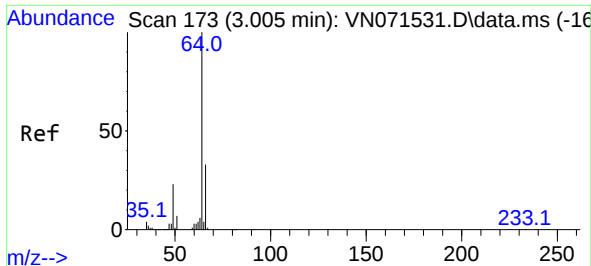
Tgt Ion:168 Resp: 812861
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 50 Resp: 2333
Ion Ratio Lower Upper
50 100
52 35.4 25.7 38.5

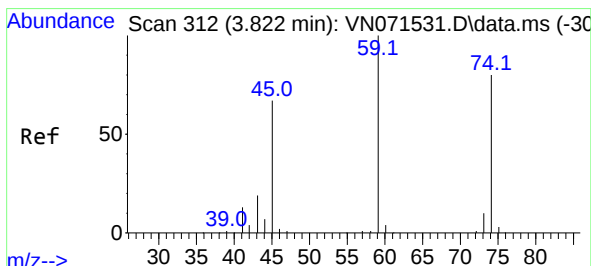
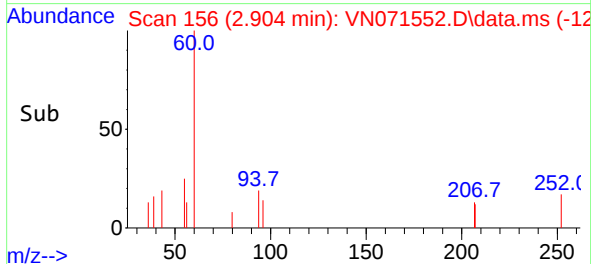
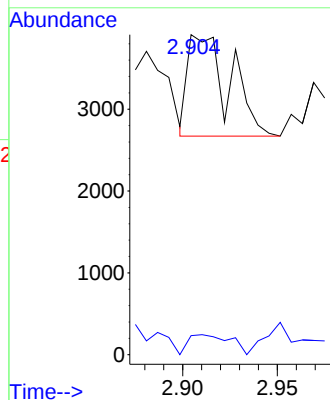
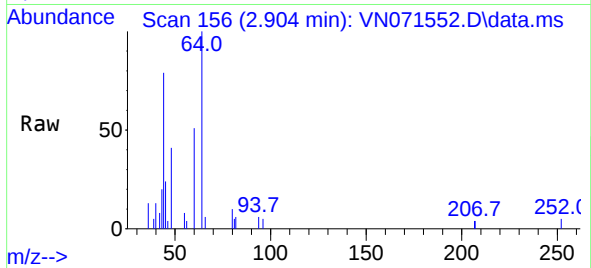




#6
Chloroethane
Concen: 0.248 ug/l
RT: 2.904 min Scan# 11
Delta R.T. -0.101 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

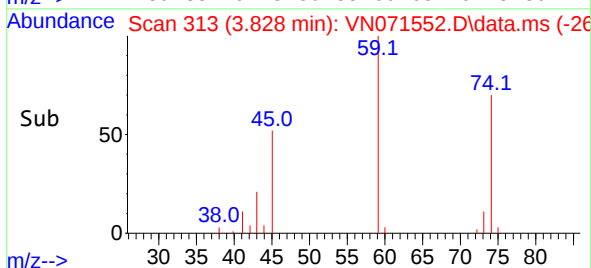
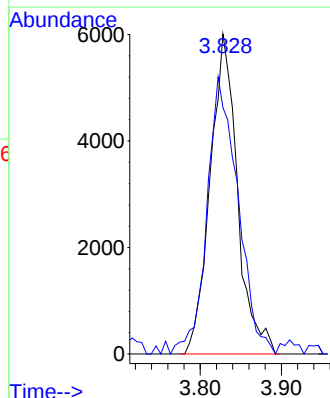
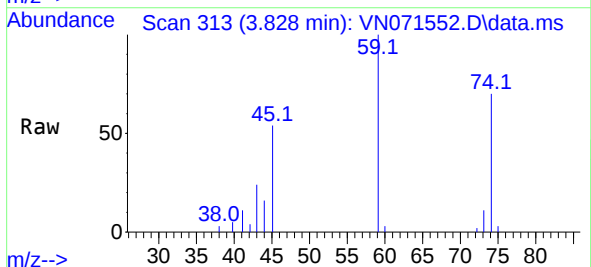
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

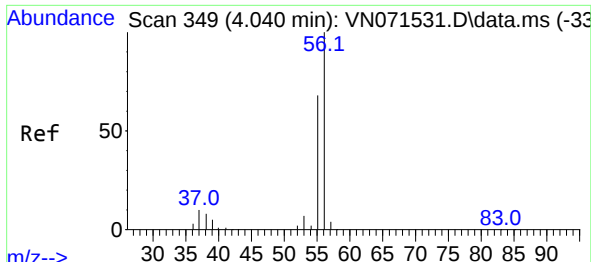
Tgt Ion: 64 Resp: 1905
Ion Ratio Lower Upper
64 100
66 18.9 26.2 39.4#



#8
Diethyl Ether
Concen: 2.546 ug/l
RT: 3.828 min Scan# 313
Delta R.T. 0.006 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 74 Resp: 14012
Ion Ratio Lower Upper
74 100
45 98.4 42.9 128.5





#13

Acrolein

Concen: 0.384 ug/l

RT: 4.046 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

Instrument :

MSVOA_N

ClientSampleId :

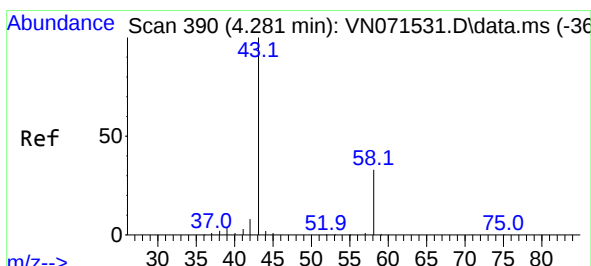
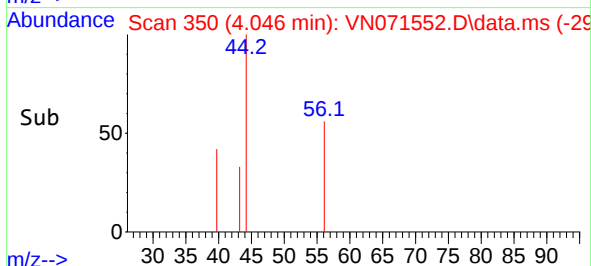
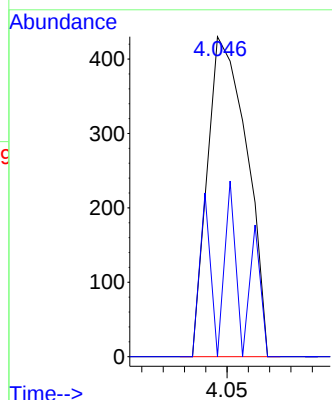
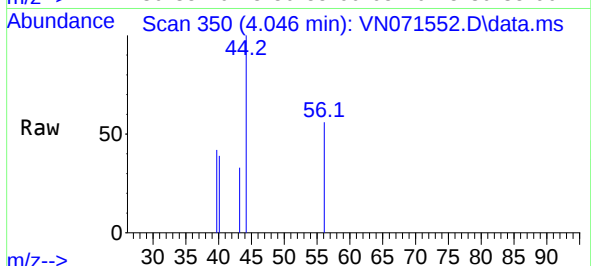
PB143557ZHE#11

Tgt Ion: 56 Resp: 552

Ion Ratio Lower Upper

56 100

55 14.1 54.8 82.2#



#16

Acetone

Concen: 6.755 ug/l

RT: 4.298 min Scan# 393

Delta R.T. 0.017 min

Lab File: VN071552.D

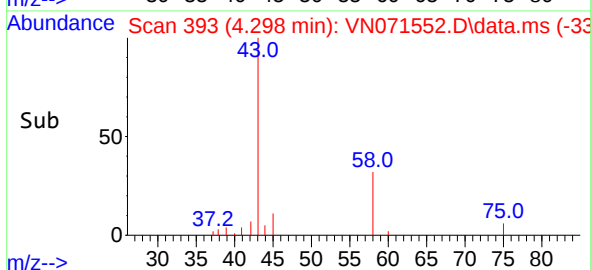
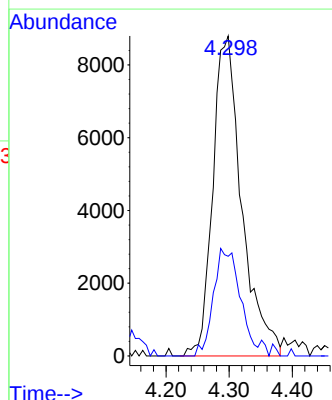
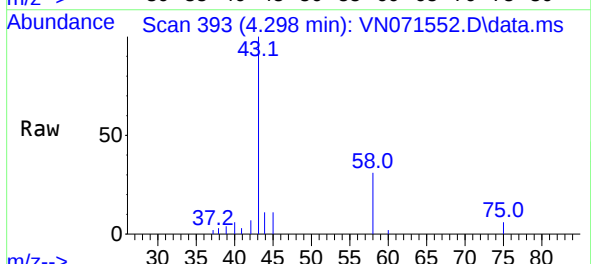
Acq: 25 Mar 2022 17:06

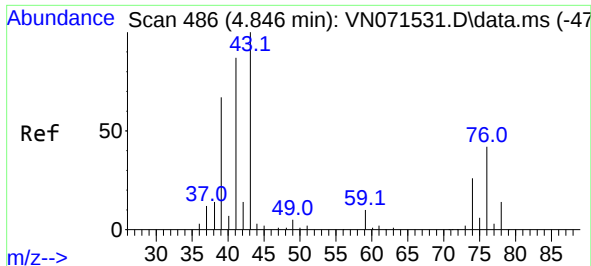
Tgt Ion: 43 Resp: 27962

Ion Ratio Lower Upper

43 100

58 31.1 26.0 39.0

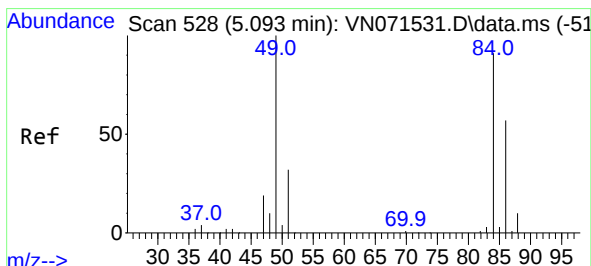
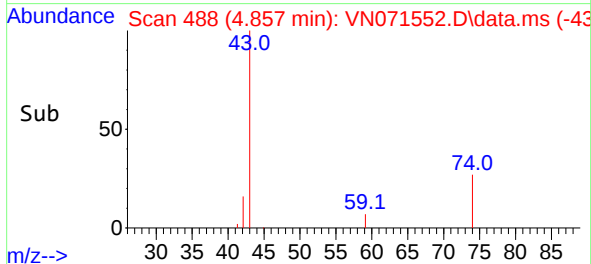
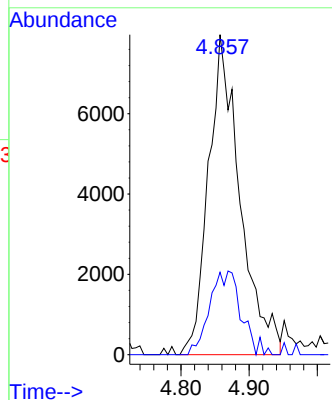
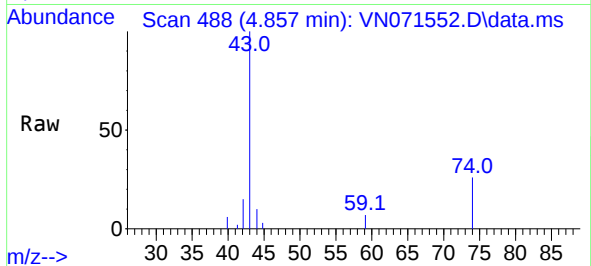




#18
Methyl Acetate
Concen: 1.147 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

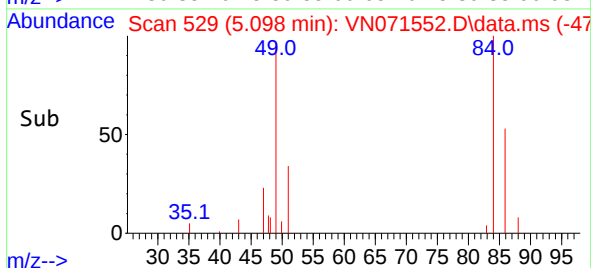
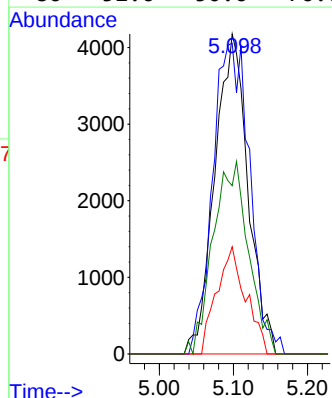
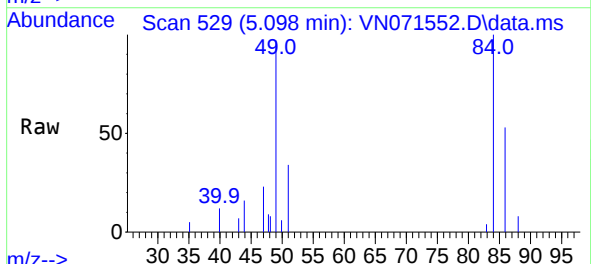
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

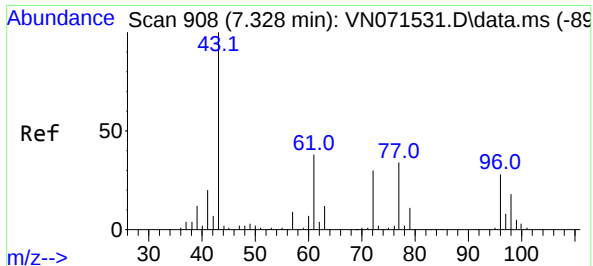
Tgt Ion: 43 Resp: 25630
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4



#20
Methylene Chloride
Concen: 1.344 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 84 Resp: 12966
Ion Ratio Lower Upper
84 100
49 97.1 88.3 132.5
51 33.5 28.2 42.2
86 52.6 50.6 76.0





#25

2-Butanone

Concen: 0.909 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

Instrument :

MSVOA_N

ClientSampleId :

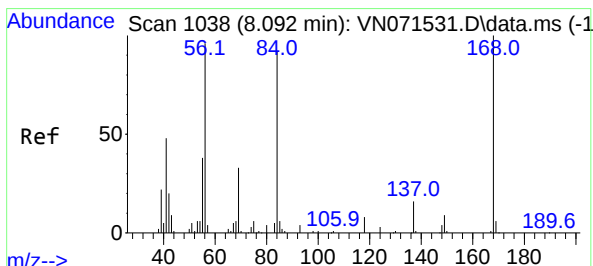
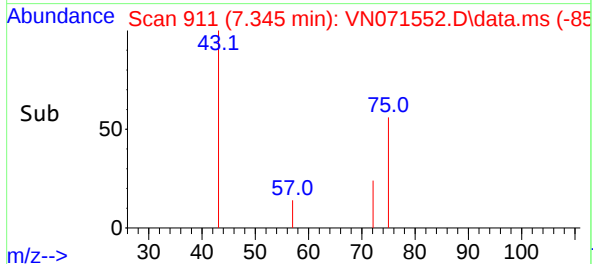
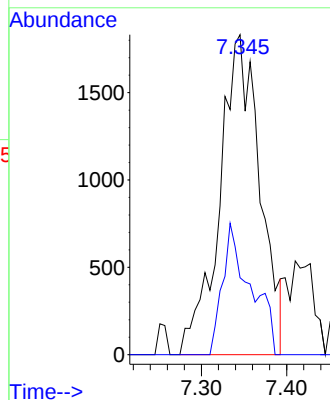
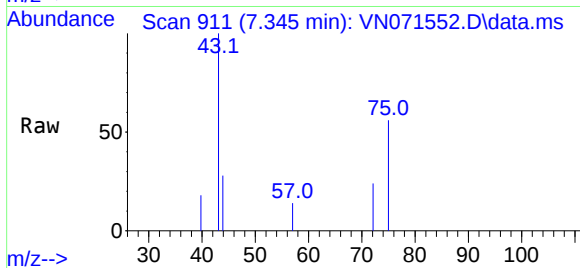
PB143557ZHE#11

Tgt Ion: 43 Resp: 6038

Ion Ratio Lower Upper

43 100

72 24.1 23.7 35.5



#31

Cyclohexane

Concen: 1.035 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

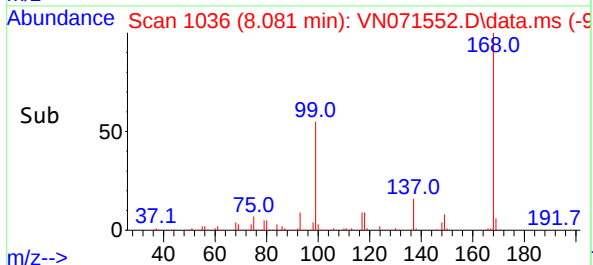
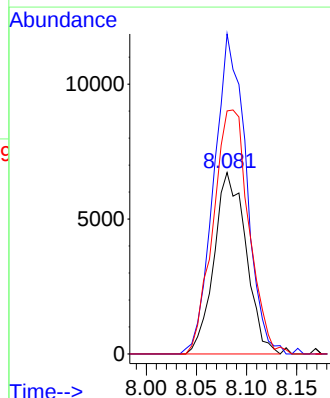
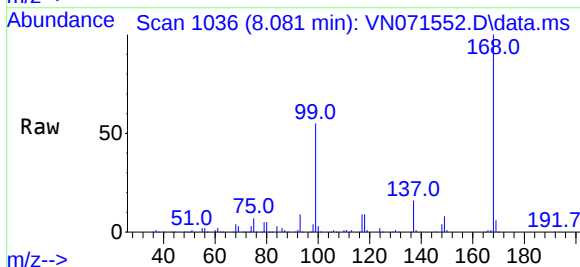
Tgt Ion: 56 Resp: 14957

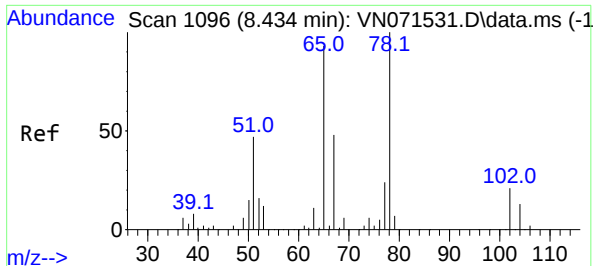
Ion Ratio Lower Upper

56 100

69 176.4 27.8 41.8#

84 133.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.268 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

Instrument :

MSVOA_N

ClientSampleId :

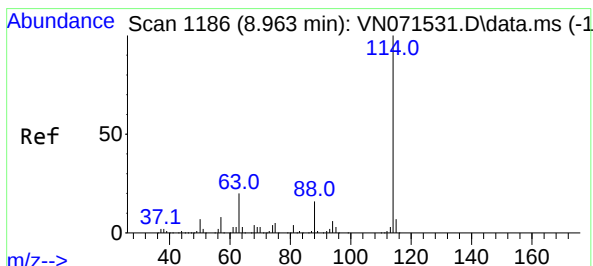
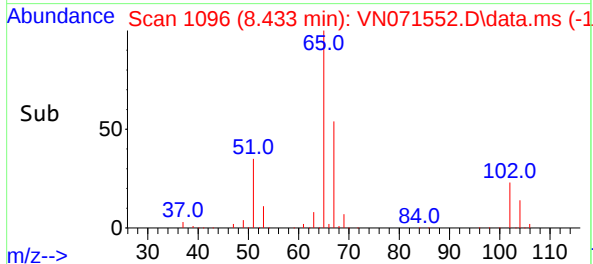
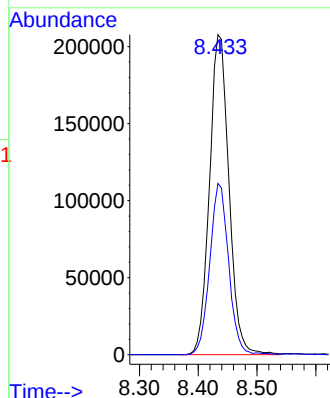
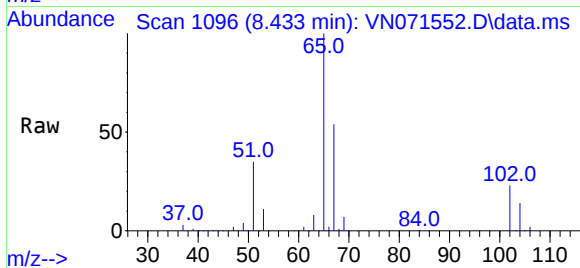
PB143557ZHE#11

Tgt Ion: 65 Resp: 477354

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

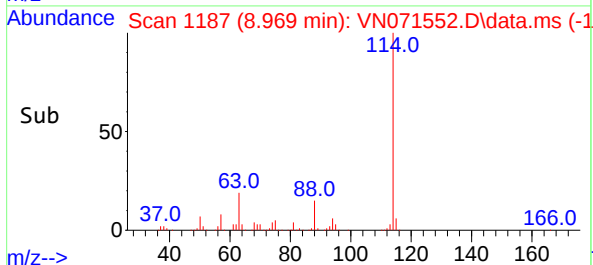
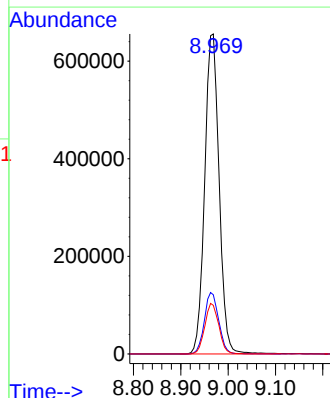
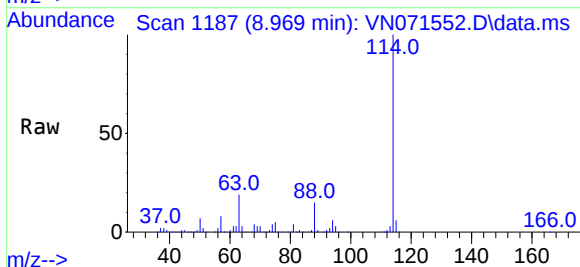
Tgt Ion: 114 Resp: 1388692

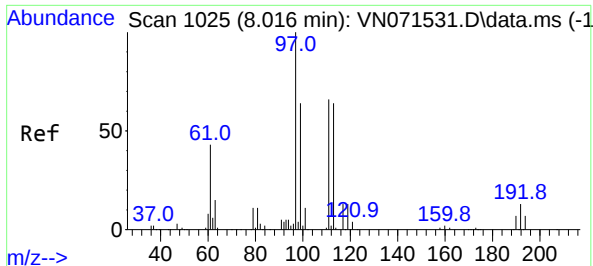
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.045 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

Instrument :

MSVOA_N

ClientSampleId :

PB143557ZHE#11

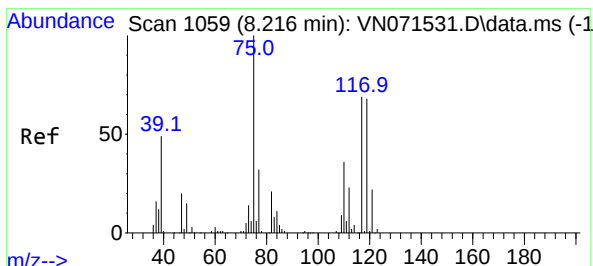
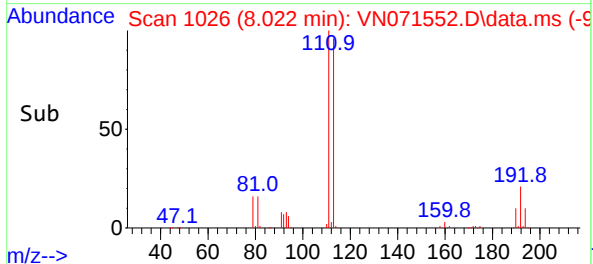
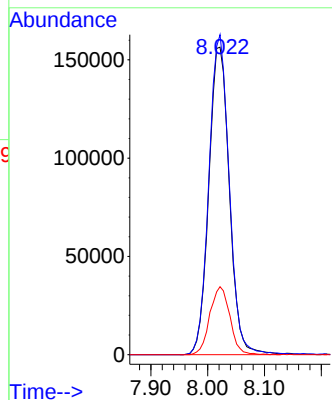
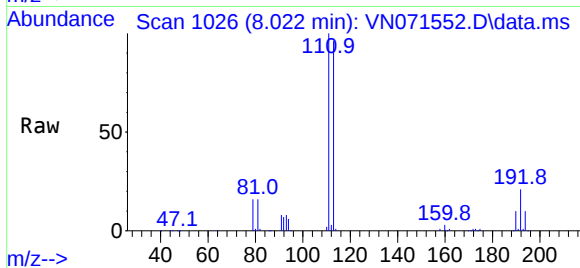
Tgt Ion:113 Resp: 393127

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 21.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.590 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

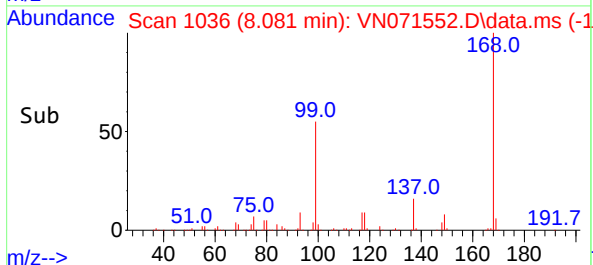
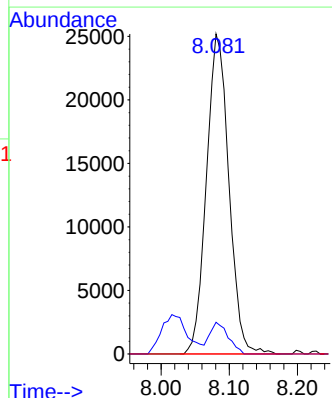
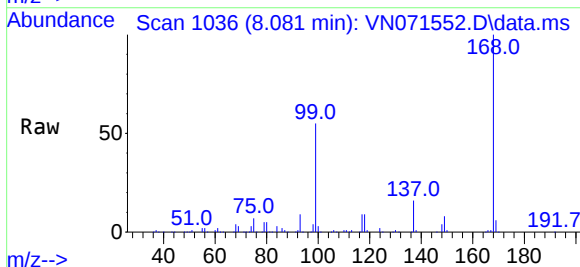
Tgt Ion: 75 Resp: 57764

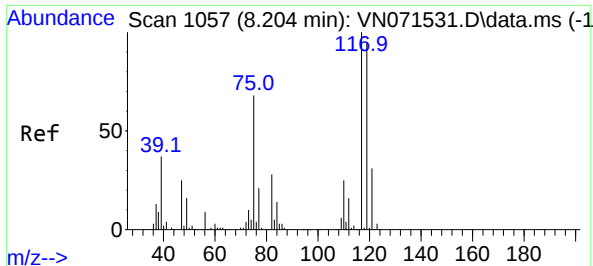
Ion Ratio Lower Upper

75 100

110 8.0 18.3 54.8#

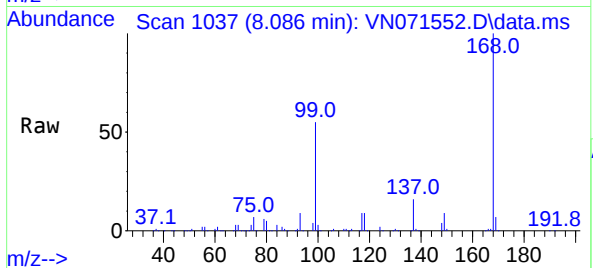
77 0.0 25.1 37.7#



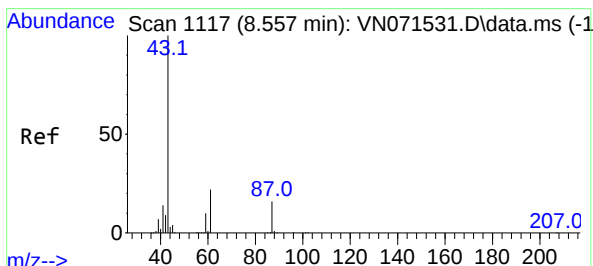
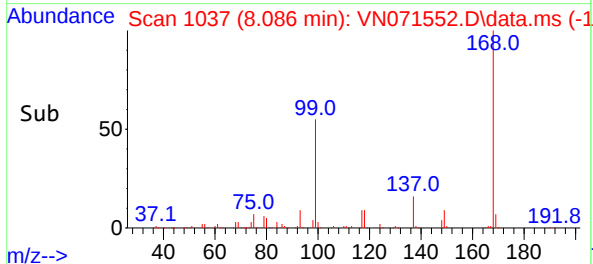
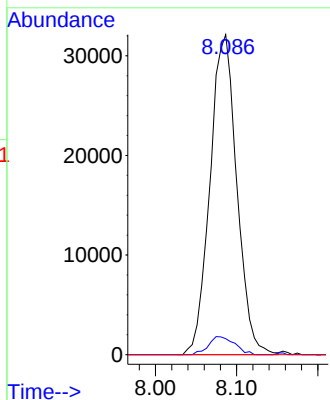


#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

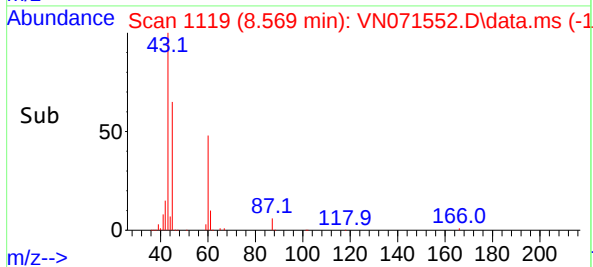
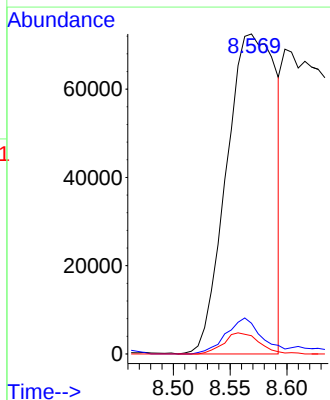
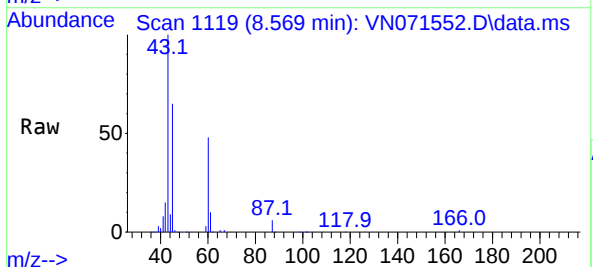


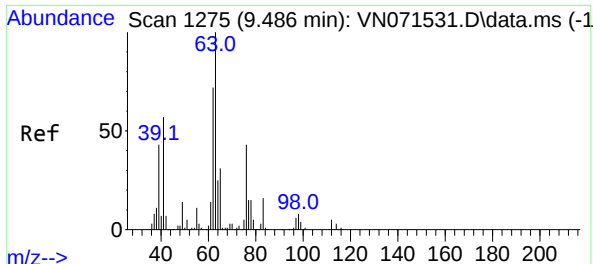
Tgt Ion:117 Resp: 73762
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 9.618 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 43 Resp: 218105
Ion Ratio Lower Upper
43 100
61 8.1 21.9 32.9#
87 4.8 12.0 18.0#

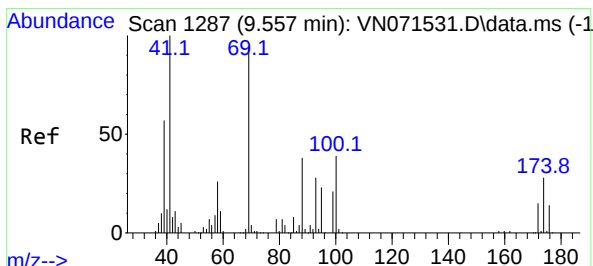
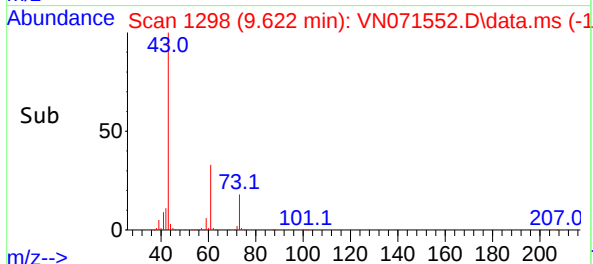
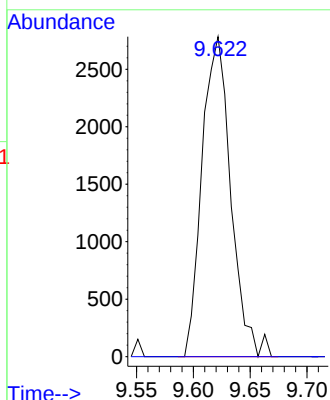
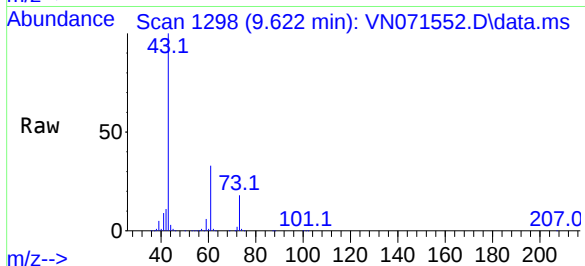




#45
1,2-Dichloropropane
Concen: 0.505 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

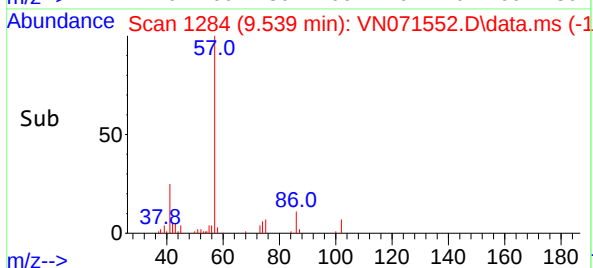
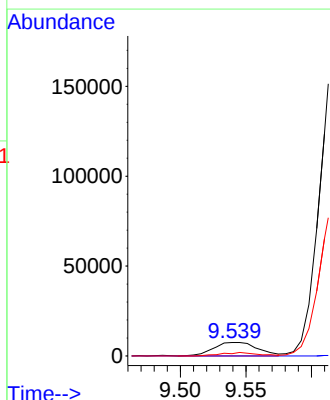
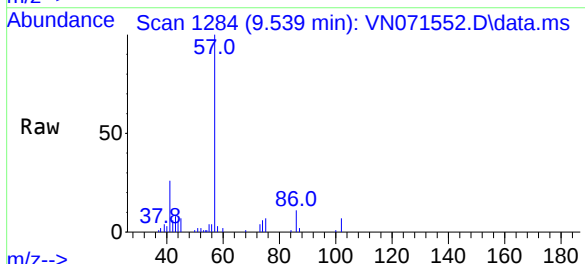
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

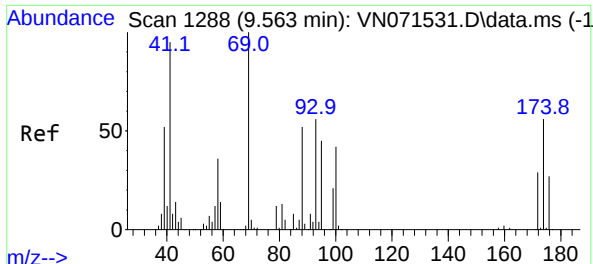
Tgt Ion: 63 Resp: 4903
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.787 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 41 Resp: 17692
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

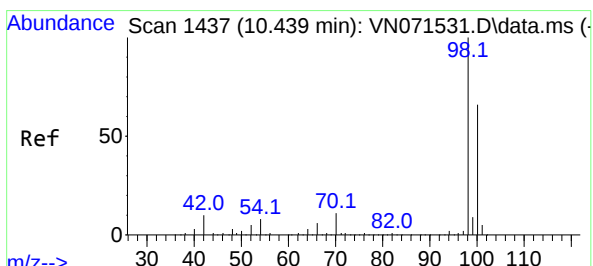
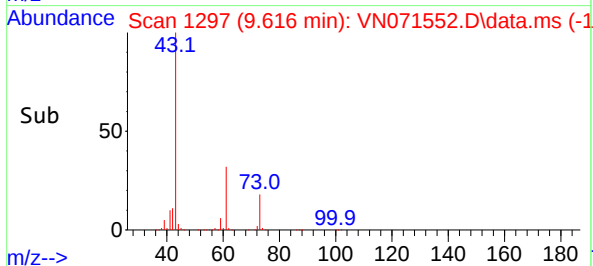
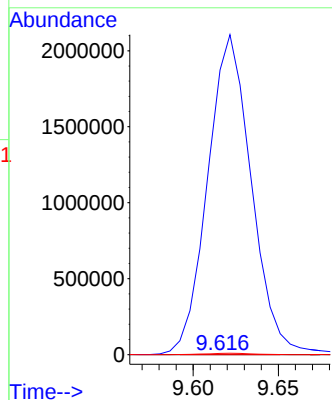
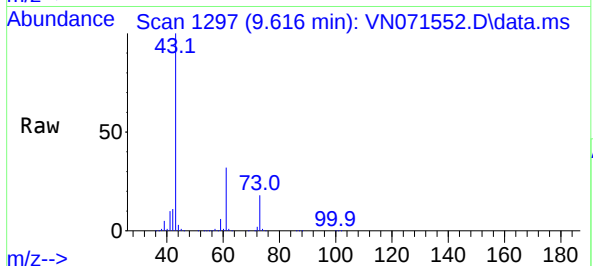




#49
1,4-Dioxane
Concen: 3.134 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

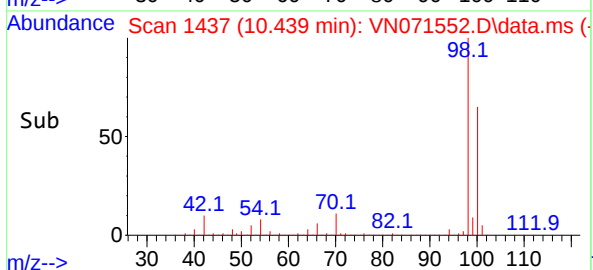
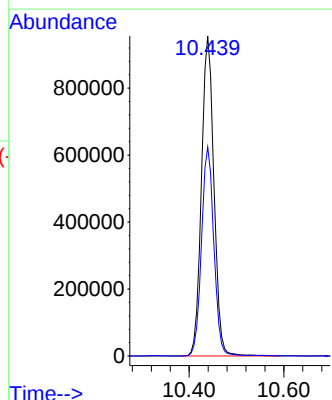
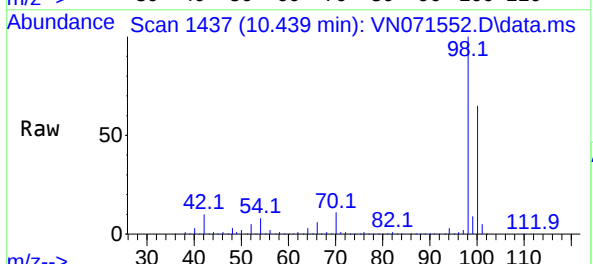
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

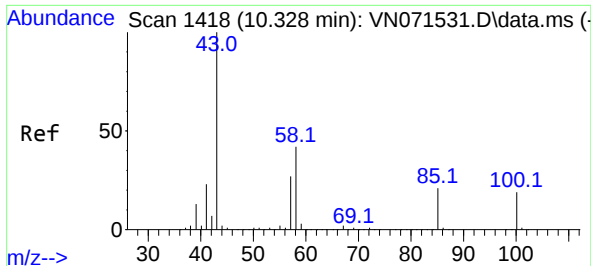
Tgt Ion: 88 Resp: 716
Ion Ratio Lower Upper
88 100
43 530977.9 20.2 30.4#
58 2426.4 54.2 81.4#



#50
Toluene-d8
Concen: 49.433 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 98 Resp: 1740155
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

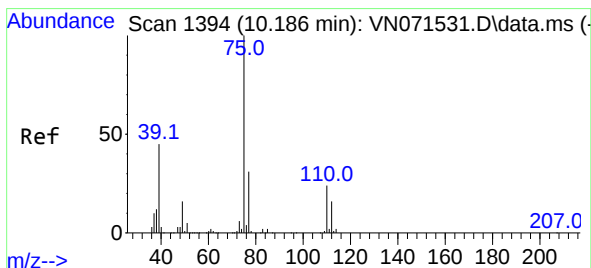
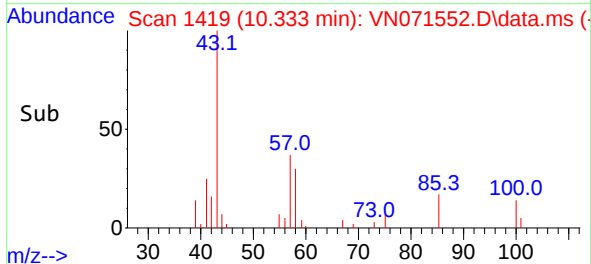
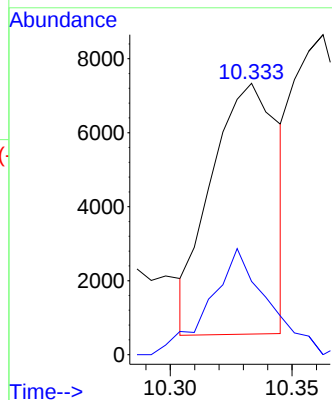
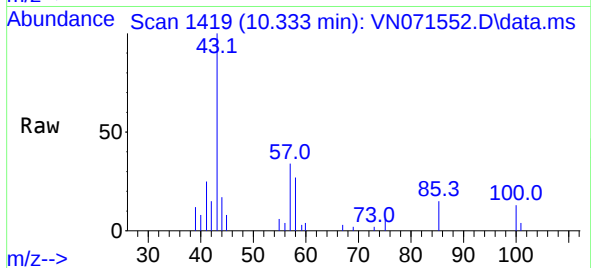




#51
4-Methyl-2-Pentanone
Concen: 0.941 ug/l
RT: 10.333 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

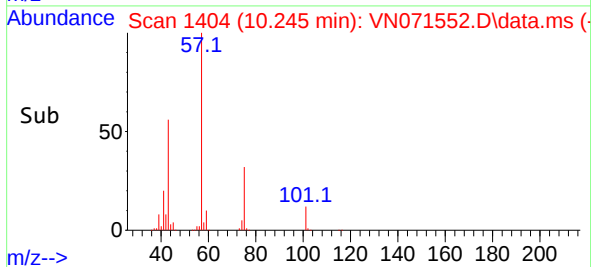
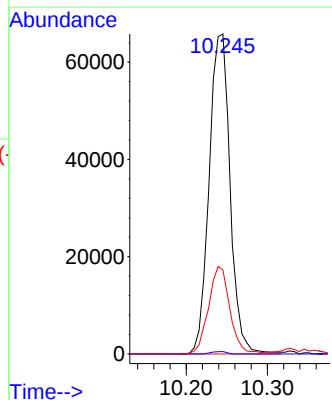
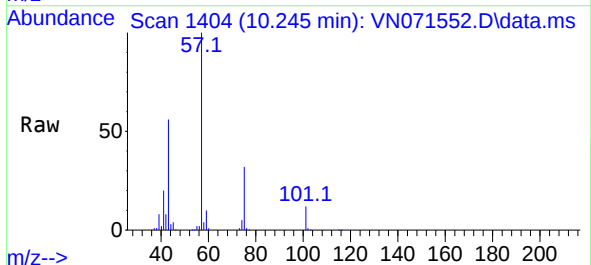
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

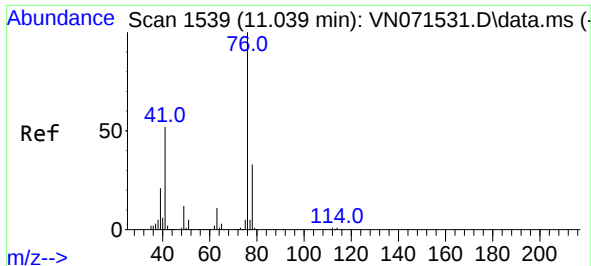
Tgt Ion: 43 Resp: 12924
Ion Ratio Lower Upper
43 100
58 37.2 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 7.686 ug/l
RT: 10.245 min Scan# 1404
Delta R.T. 0.059 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 75 Resp: 117976
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 25.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.480 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071552.D

Acq: 25 Mar 2022 17:06

Instrument :

MSVOA_N

ClientSampleId :

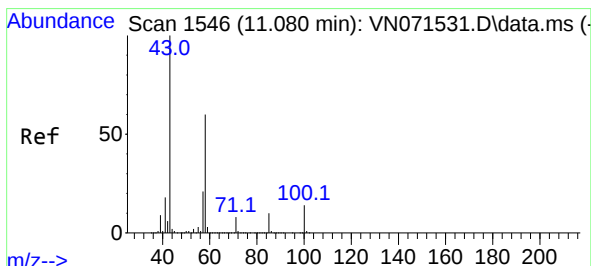
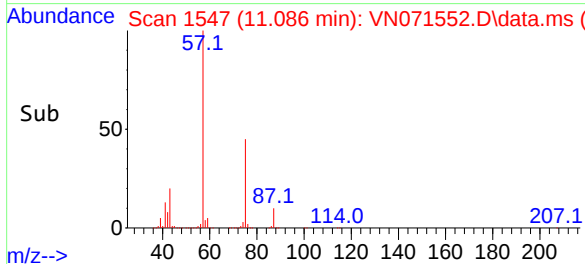
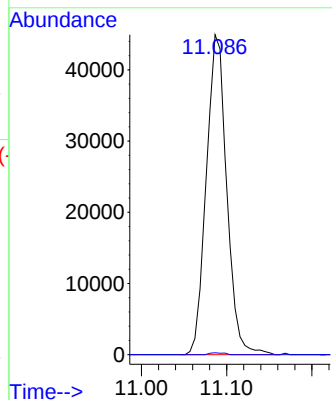
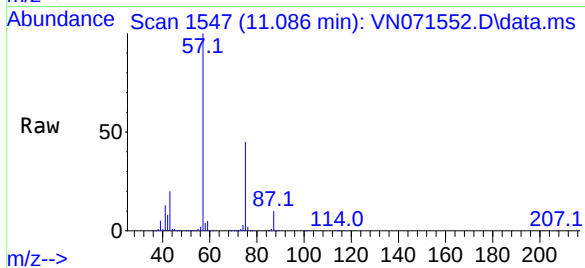
PB143557ZHE#11

Tgt Ion: 76 Resp: 74923

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 98.017 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071552.D

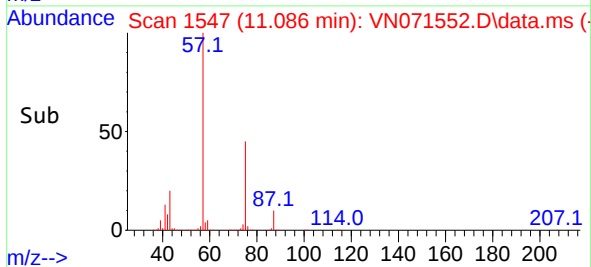
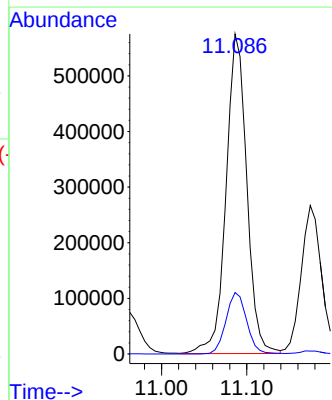
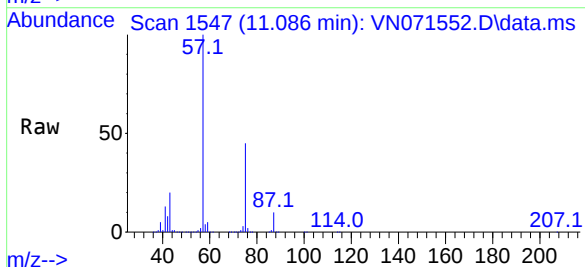
Acq: 25 Mar 2022 17:06

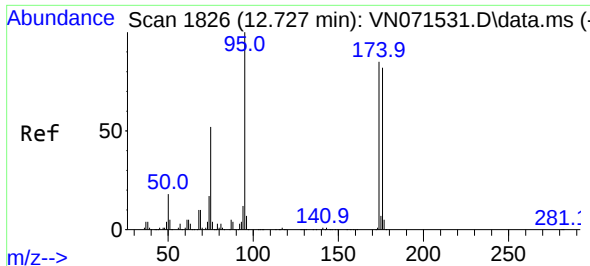
Tgt Ion: 43 Resp: 970300

Ion Ratio Lower Upper

43 100

58 19.2 29.7 89.1#

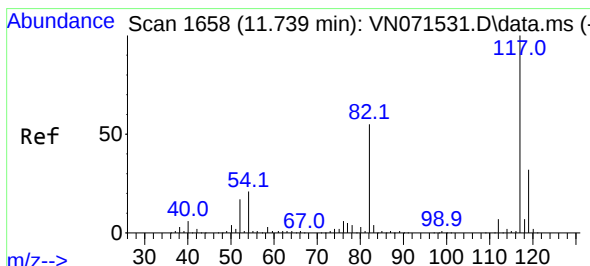
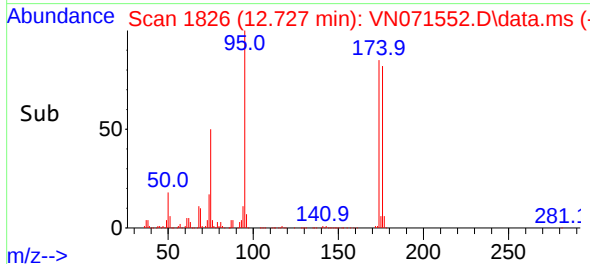
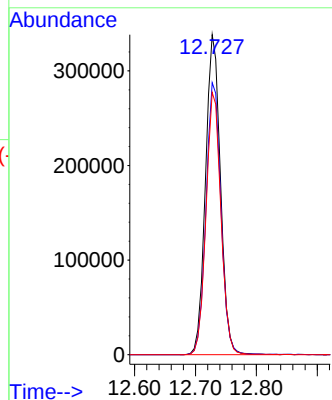
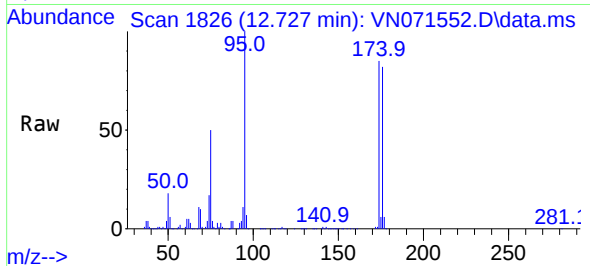




#62
4-Bromofluorobenzene
Concen: 49.950 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

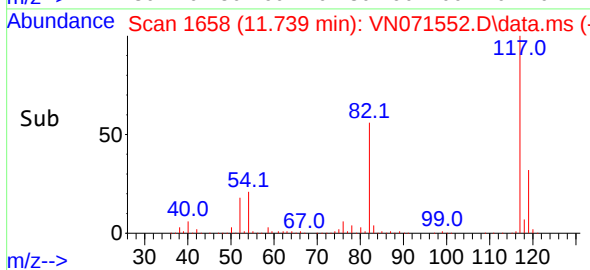
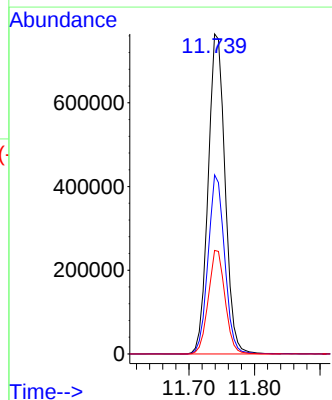
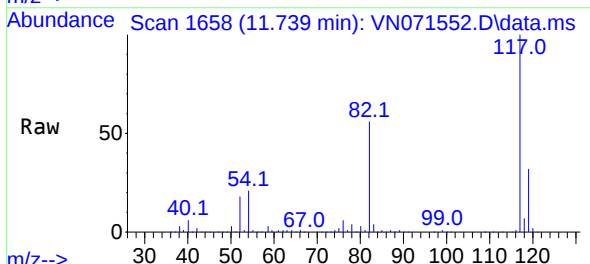
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

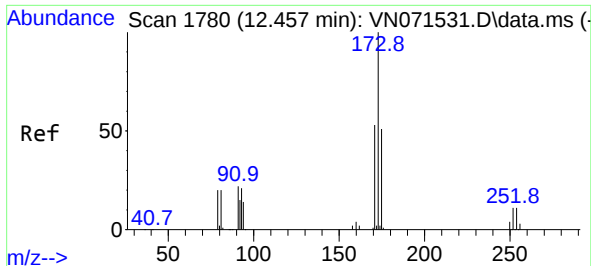
Tgt Ion: 95 Resp: 576157
Ion Ratio Lower Upper
95 100
174 85.3 0.0 167.6
176 81.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 117 Resp: 1371398
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.4 25.4 38.0

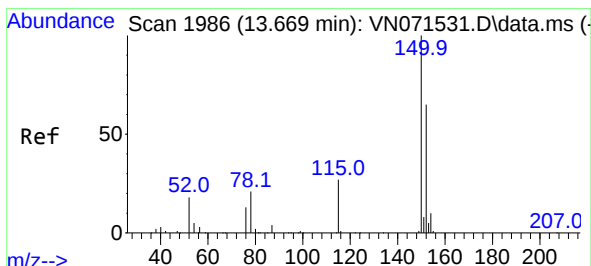
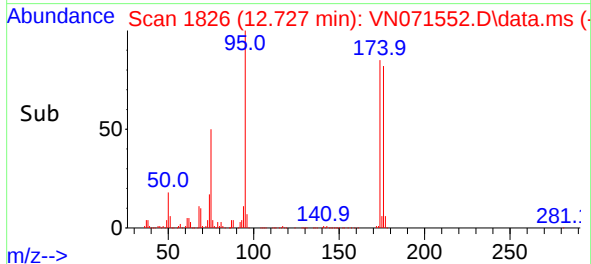
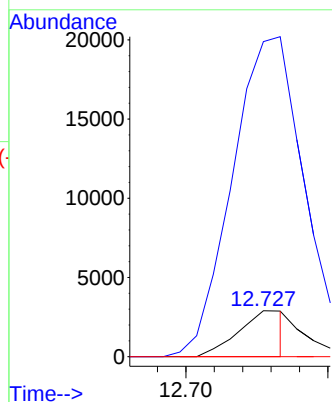
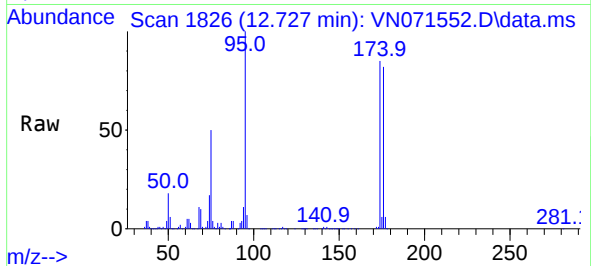




#71
Bromoform
Concen: 0.410 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

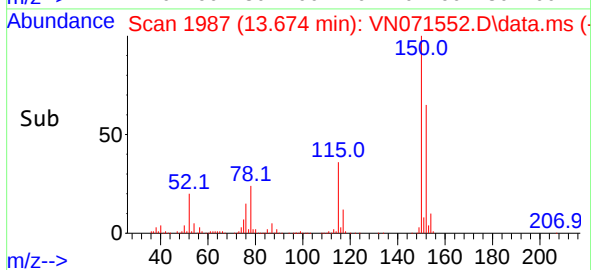
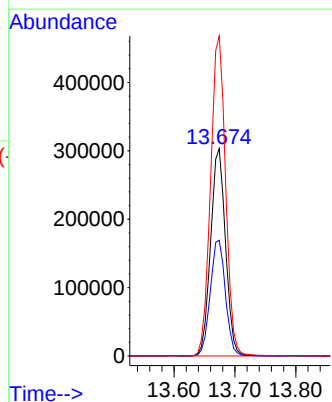
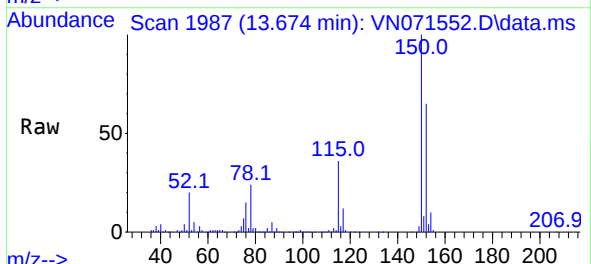
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

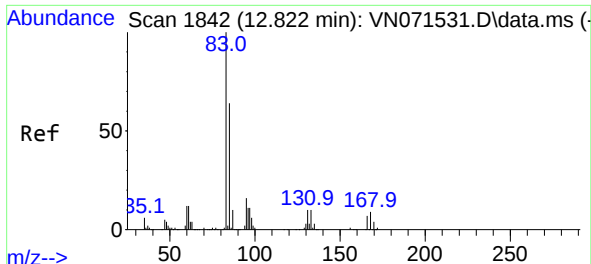
Tgt Ion:173 Resp: 3320
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion:152 Resp: 515409
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 155.4 0.0 356.2

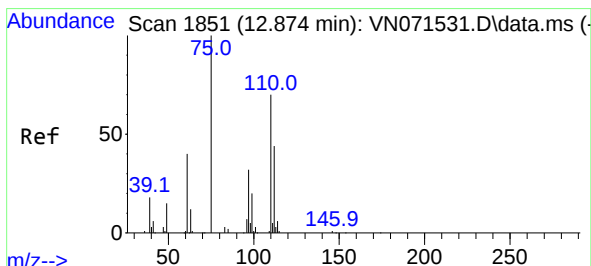
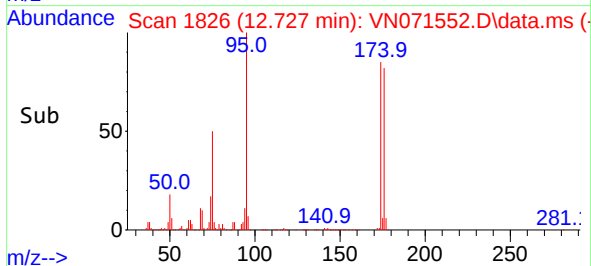
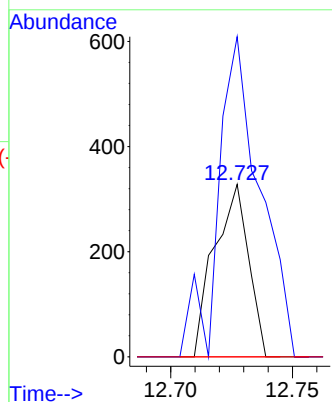
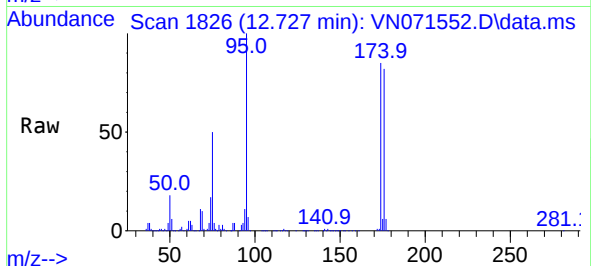




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.095 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

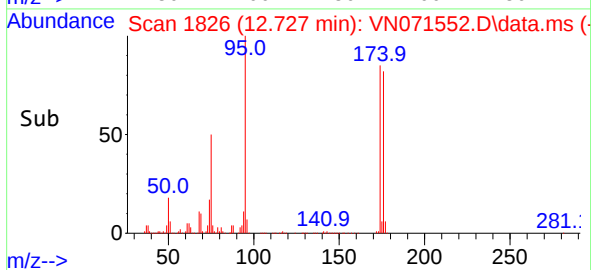
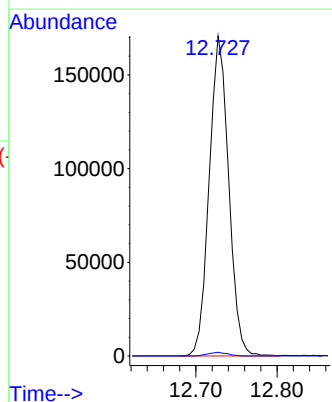
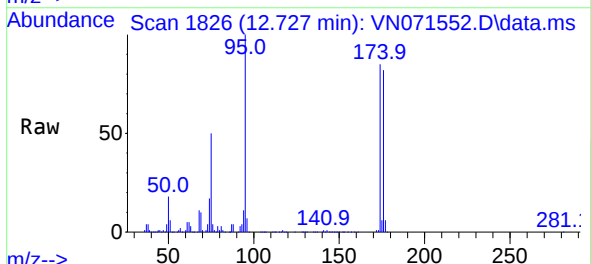
Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

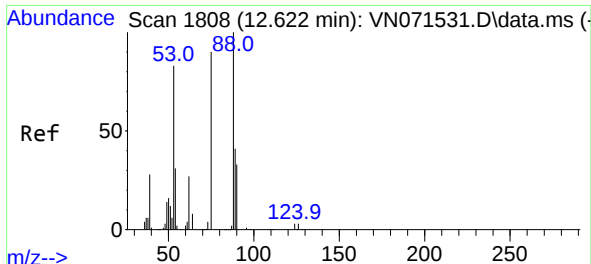
Tgt Ion: 83 Resp: 321
Ion Ratio Lower Upper
83 100
131 226.2 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 24.732 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 75 Resp: 284240
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

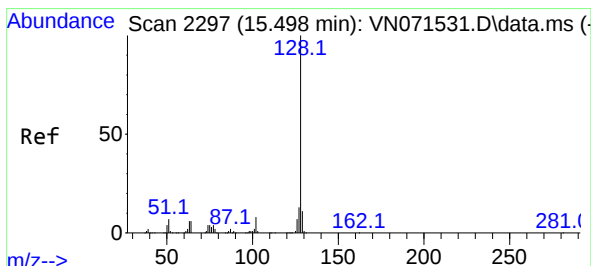
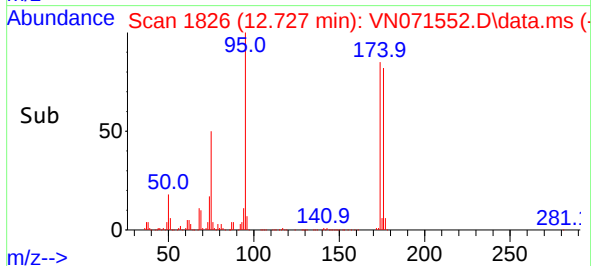
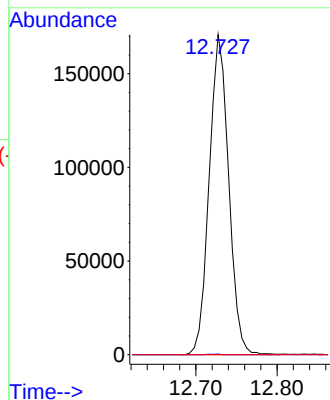
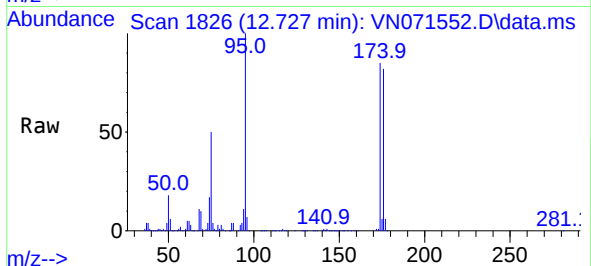




#81
trans-1,4-Dichloro-2-butene
Concen: 66.214 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Instrument :
MSVOA_N
ClientSampleId :
PB143557ZHE#11

Tgt Ion: 75 Resp: 284240
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.246 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071552.D
Acq: 25 Mar 2022 17:06

Tgt Ion: 128 Resp: 890
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

