

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016163.D
 Acq On : 01 Nov 2023 13:06
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:23:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	124155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	209056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	192703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	90369	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	67429	58.040	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.080%
35) Dibromofluoromethane	7.728	113	57543	46.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.340%
50) Toluene-d8	10.191	98	243582	49.294	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.489	95	85784	50.768	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.540%

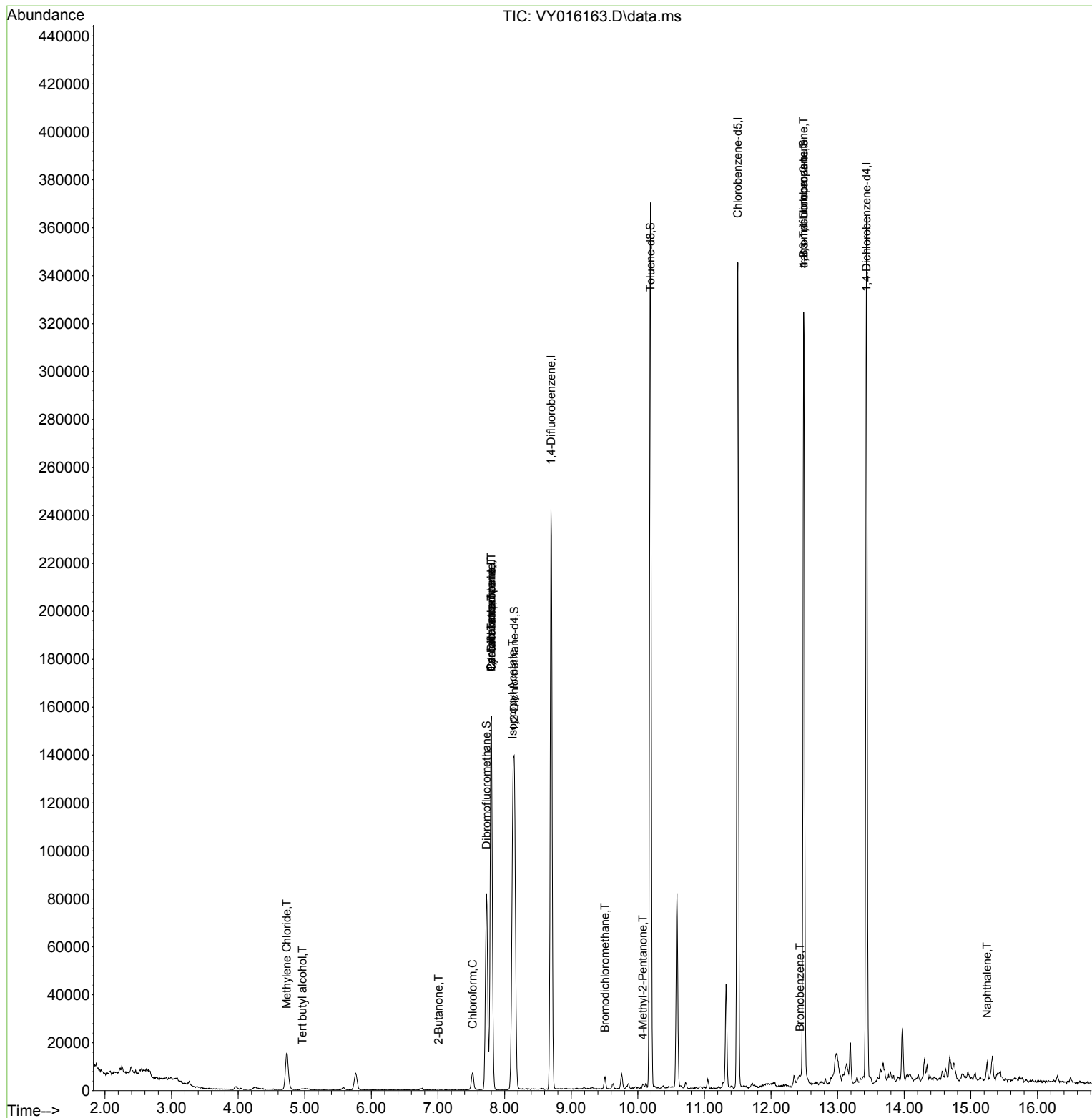
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	1150	13.249	ug/l	# 89
13) Acrolein	3.753	56	174	Below Cal		# 43
16) Acetone	3.966	43	2294	Below Cal		# 88
20) Methylene Chloride	4.728	84	12507	8.028	ug/l	# 80
25) 2-Butanone	7.008	43	327	1.020	ug/l	# 49
30) Chloroform	7.521	83	7257	3.277	ug/l	# 98
31) Cyclohexane	7.801	56	2416	1.353	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	9300	5.168	ug/l	# 50
38) Carbon Tetrachloride	7.801	117	12414	6.962	ug/l	# 16
43) Isopropyl Acetate	8.124	43	2584	1.630	ug/l	# 1
47) Bromodichloromethane	9.508	83	3353	1.872	ug/l	# 99
49) 1,4-Dioxane	9.313	88	290	Below Cal		# 36
51) 4-Methyl-2-Pentanone	10.075	43	1707	2.158	ug/l	# 81
76) 1,2,3-Trichloropropane	12.489	75	44691	52.515	ug/l	# 100
77) Bromobenzene	12.434	156	4325	2.818	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.489	75	44691	113.865	ug/l	# 11
95) Naphthalene	15.245	128	5687	1.808	ug/l	# 94

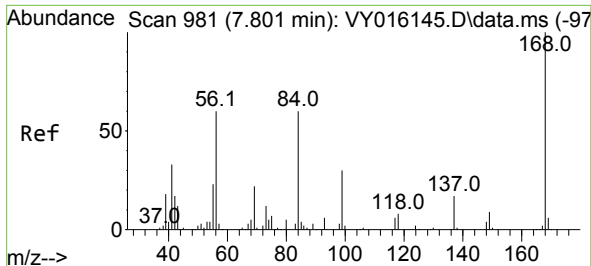
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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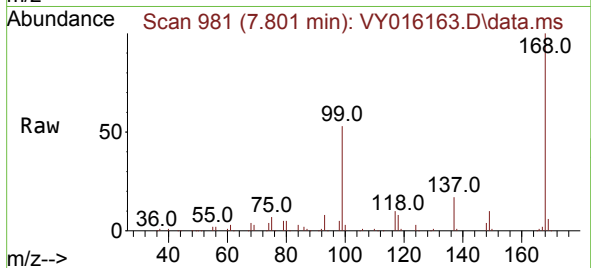
Quant Time: Nov 02 02:23:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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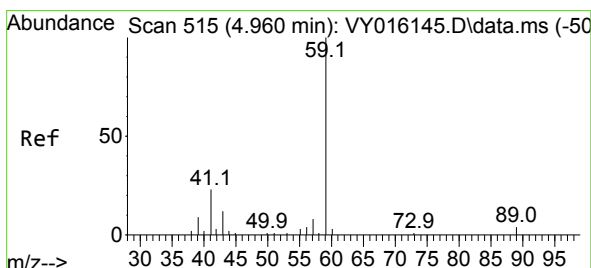
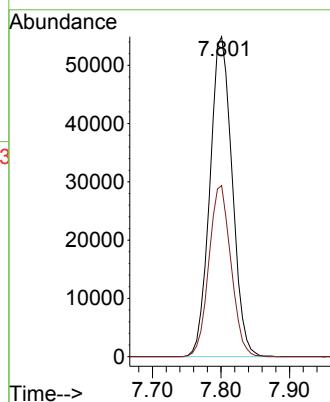
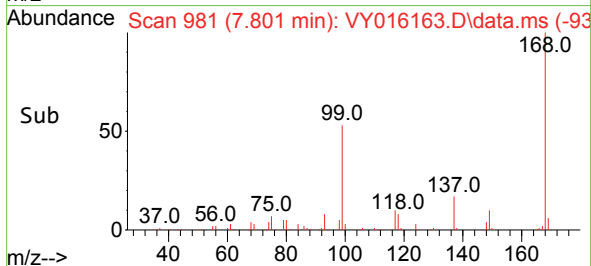


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Instrument :
MSVOA_Y
ClientSampleId :

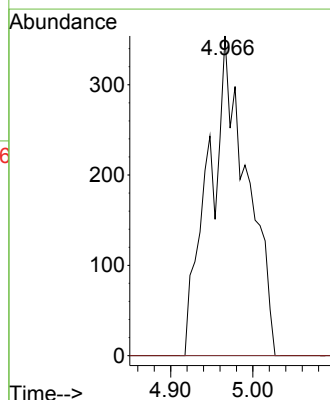
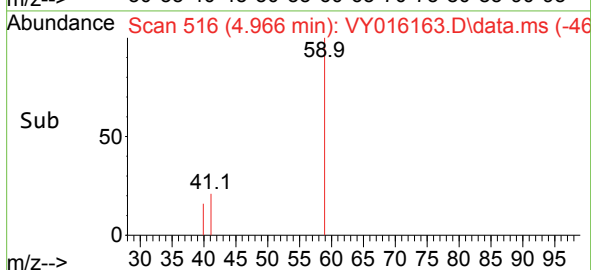
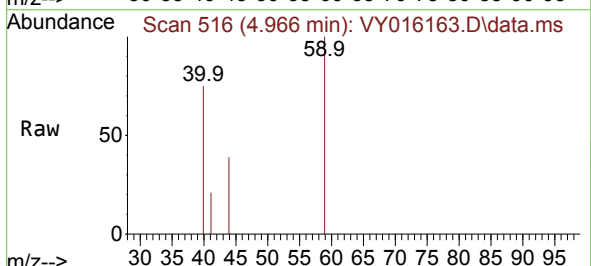


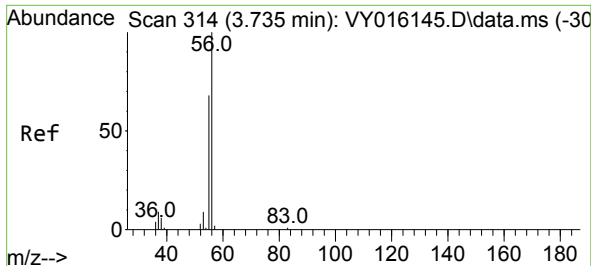
Tgt Ion:168 Resp: 124155
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 13.249 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Tgt Ion: 59 Resp: 1150
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

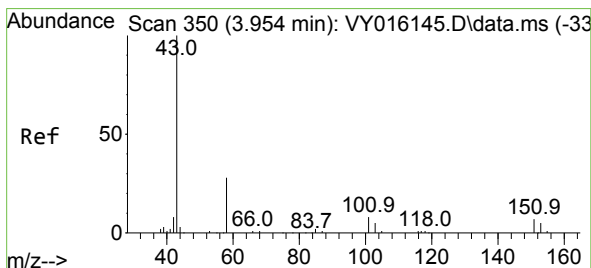
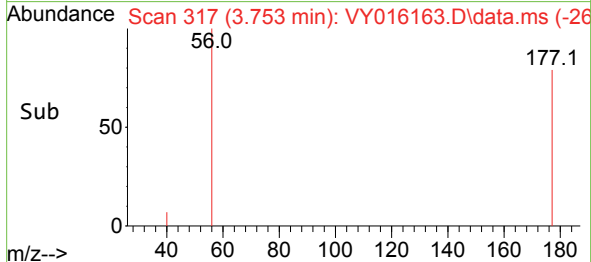
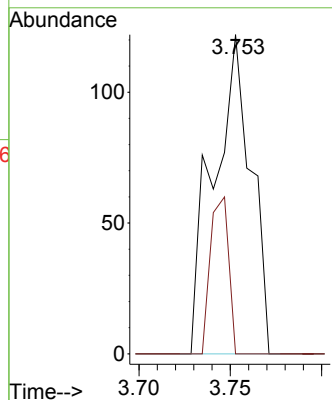
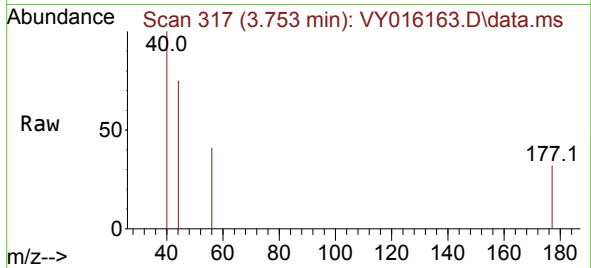




#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 314
Delta R.T. 0.018 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

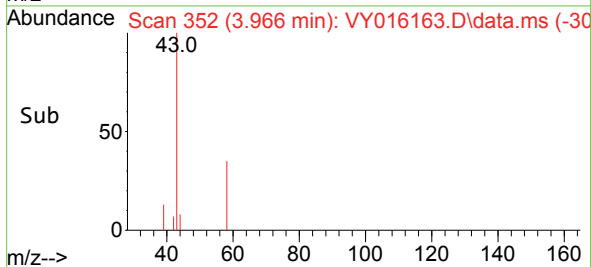
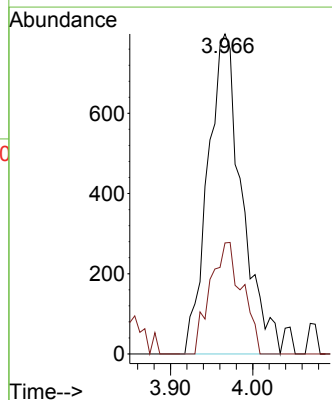
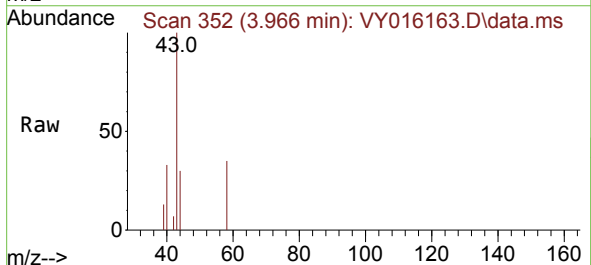
Instrument :
MSVOA_Y
ClientSampleId :

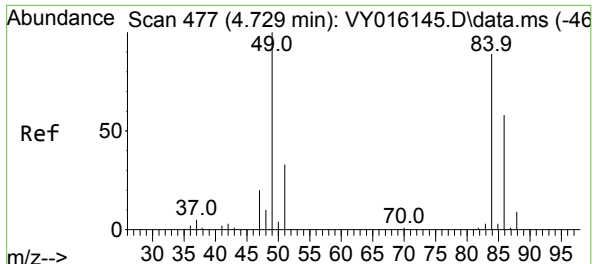
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 24.1 57.0 85.4#



#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Tgt Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
58 34.7 22.7 34.1#





#20

Methylene Chloride

Concen: 8.028 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

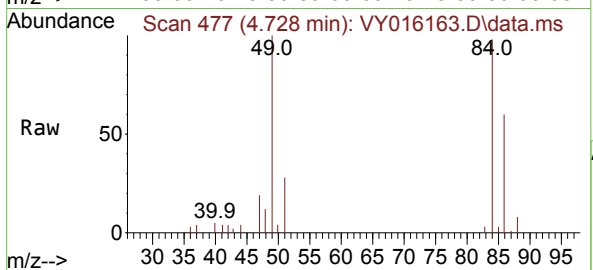
Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 12507

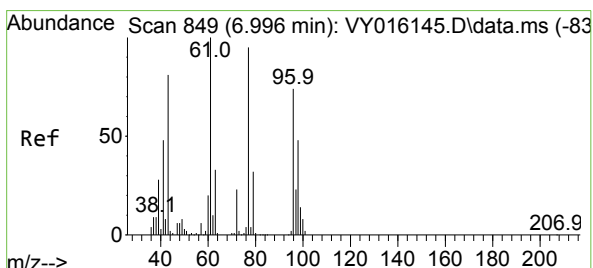
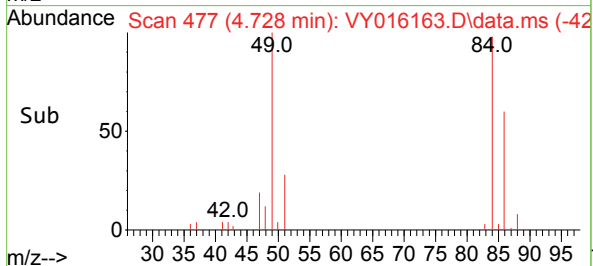
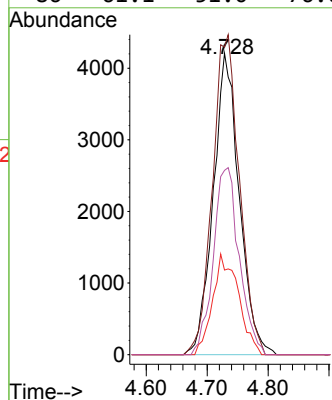
Ion Ratio Lower Upper

84 100

49 102.0 106.9 160.3#

51 28.1 33.2 49.8#

86 61.1 51.0 76.6



#25

2-Butanone

Concen: 1.020 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY016163.D

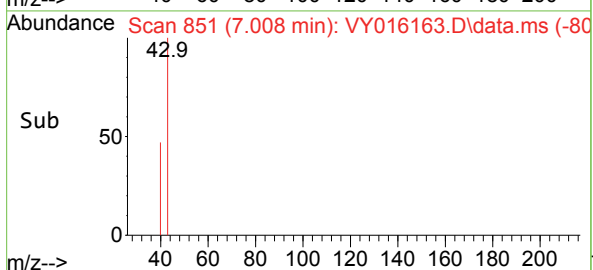
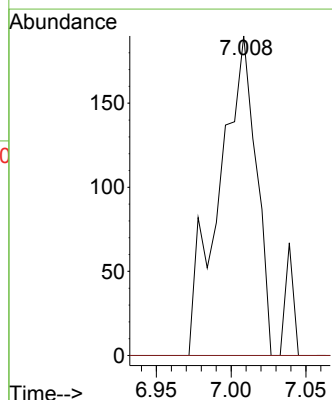
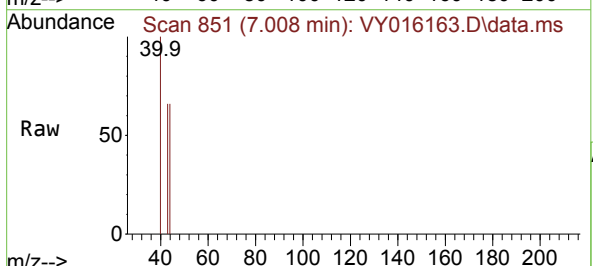
Acq: 01 Nov 2023 13:06

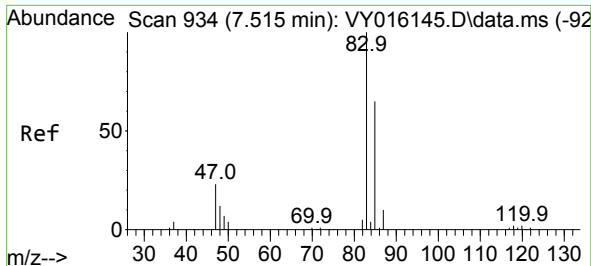
Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

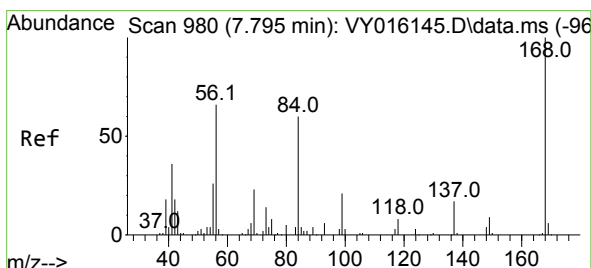
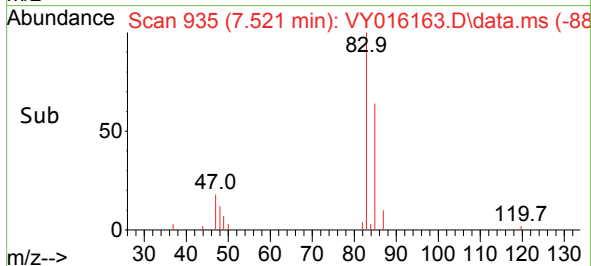
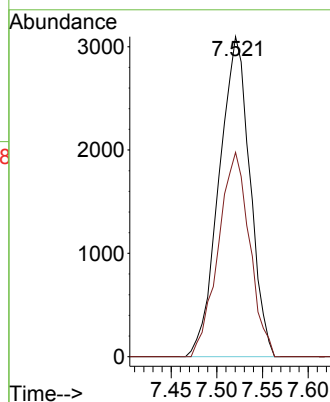
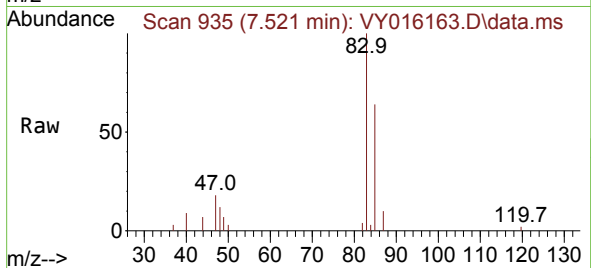




#30
Chloroform
Concen: 3.277 ug/l
RT: 7.521 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

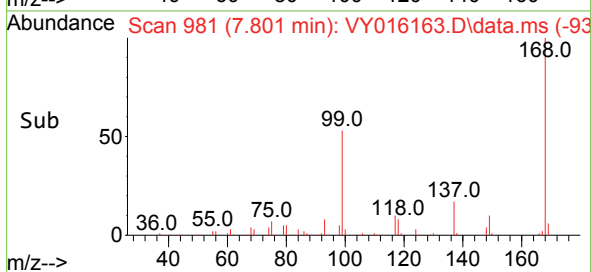
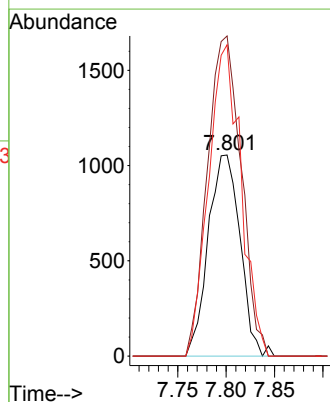
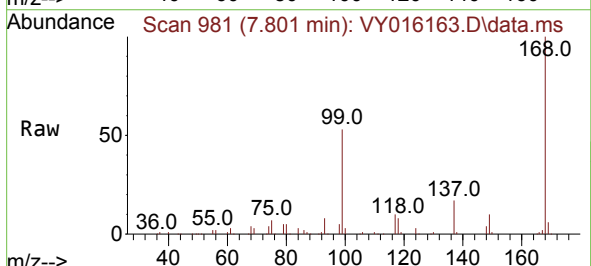
Instrument :
MSVOA_Y
ClientSampleId :

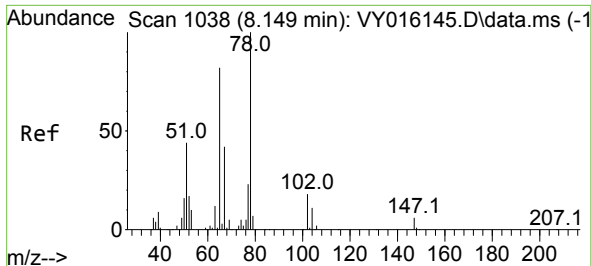
Tgt Ion: 83 Resp: 7257
Ion Ratio Lower Upper
83 100
85 63.9 49.7 74.5



#31
Cyclohexane
Concen: 1.353 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Tgt Ion: 56 Resp: 2416
Ion Ratio Lower Upper
56 100
69 159.2 27.8 41.6#
84 154.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.040 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

Instrument :

MSVOA_Y

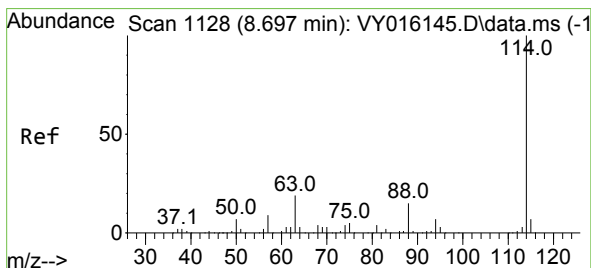
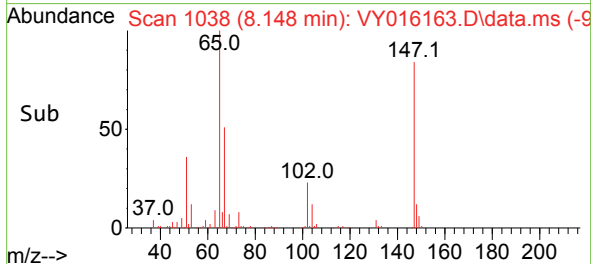
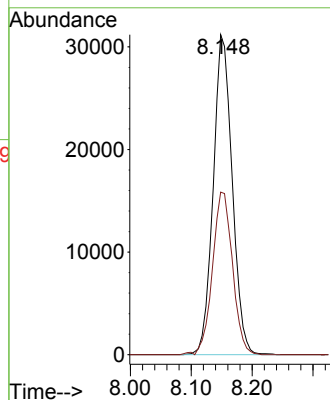
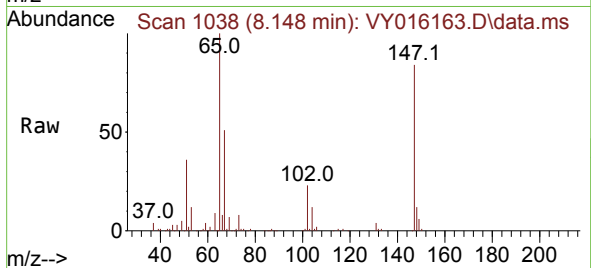
ClientSampleId :

Tgt Ion: 65 Resp: 67429

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

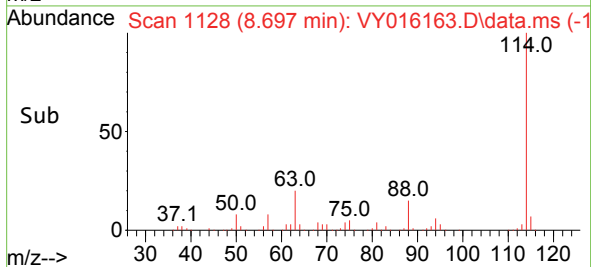
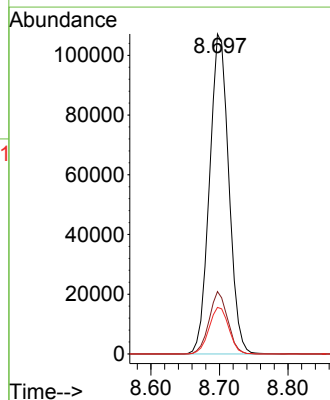
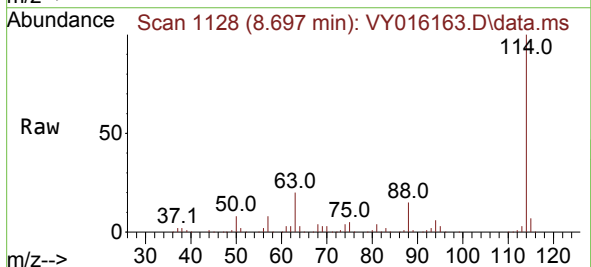
Tgt Ion: 114 Resp: 209056

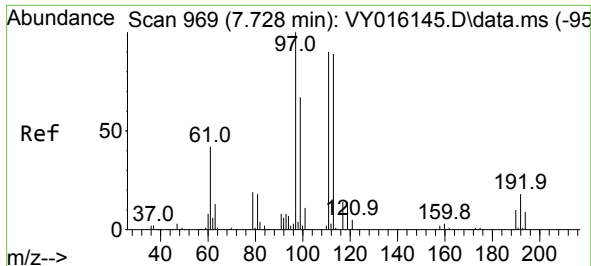
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

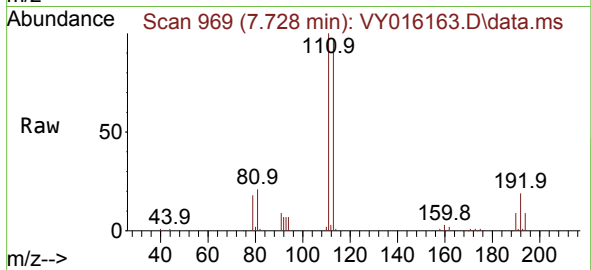
88 14.6 0.0 30.6



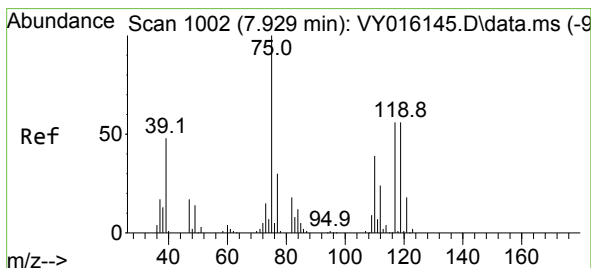
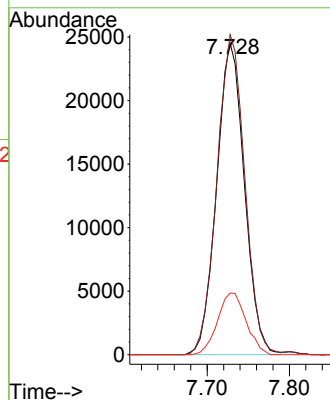
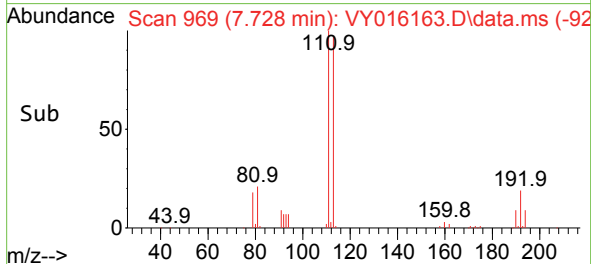


#35
Dibromofluoromethane
Concen: 46.170 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Instrument :
MSVOA_Y
ClientSampleId :

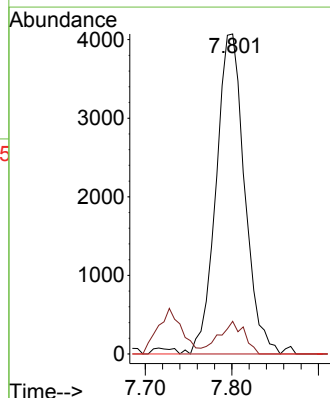
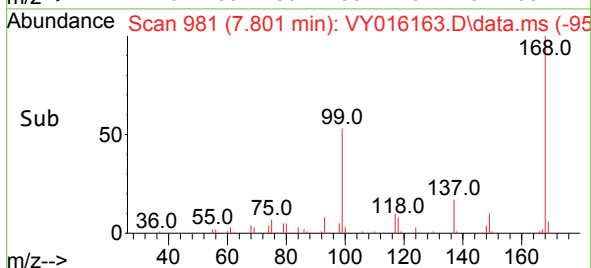
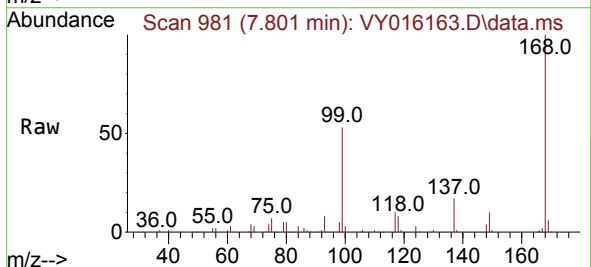


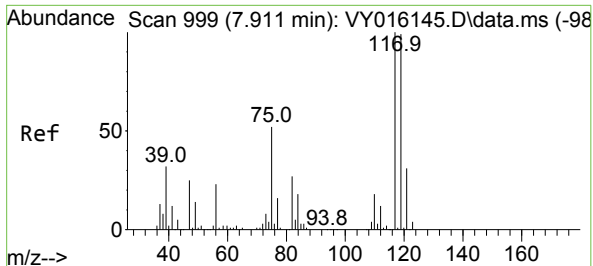
Tgt Ion:113 Resp: 57543
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

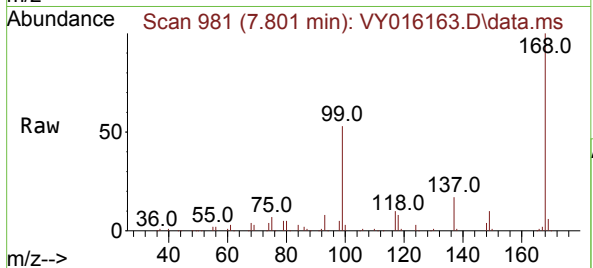
Tgt Ion: 75 Resp: 9300
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



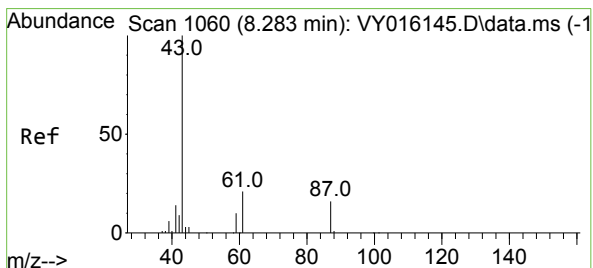
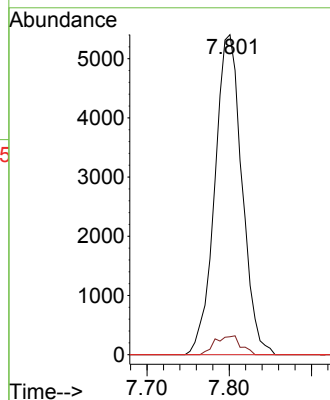
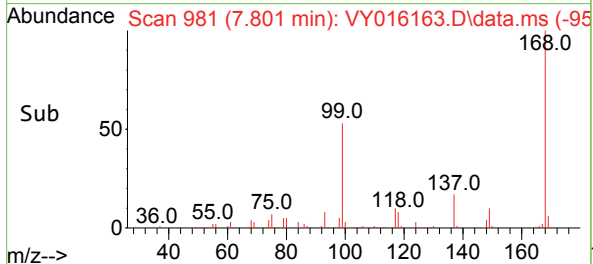


#38
Carbon Tetrachloride
Concen: 6.962 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

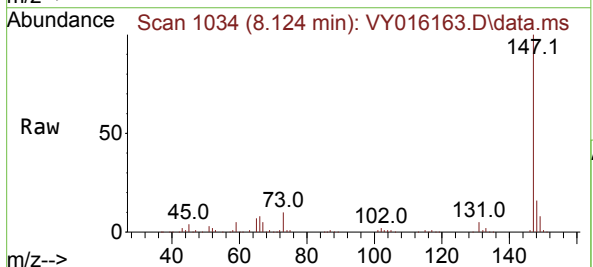
Instrument :
MSVOA_Y
ClientSampleId :



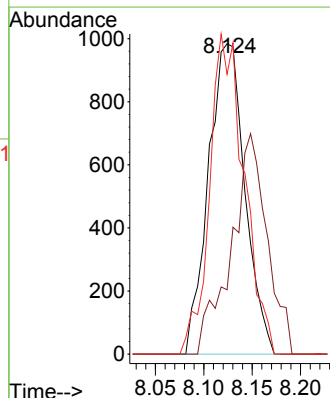
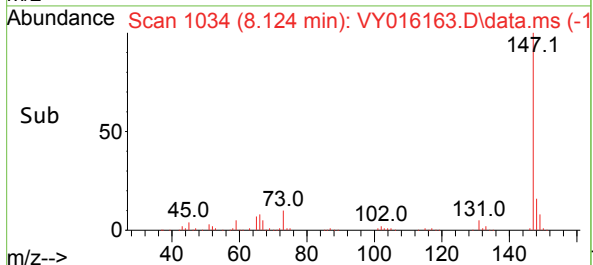
Tgt Ion:117 Resp: 12414
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#

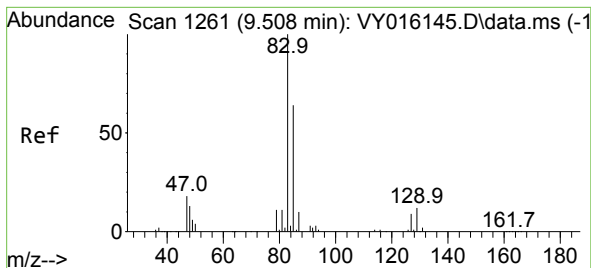


#43
Isopropyl Acetate
Concen: 1.630 ug/l
RT: 8.124 min Scan# 1034
Delta R.T. -0.159 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06



Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 97.4 9.8 14.8#





#47

Bromodichloromethane

Concen: 1.872 ug/l

RT: 9.508 min Scan# 1261

Delta R.T. -0.000 min

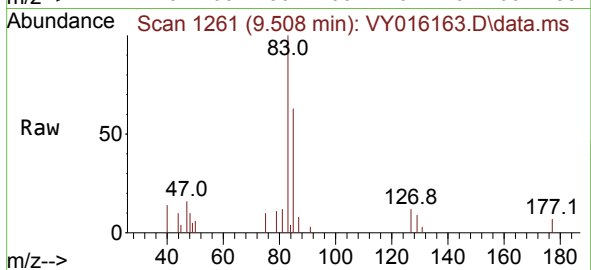
Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :



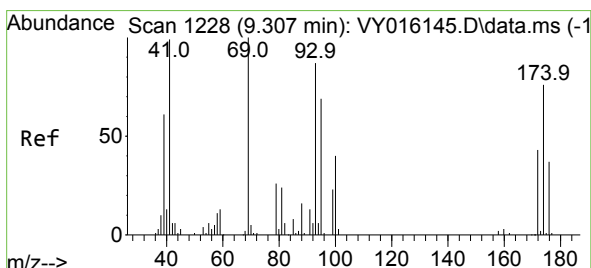
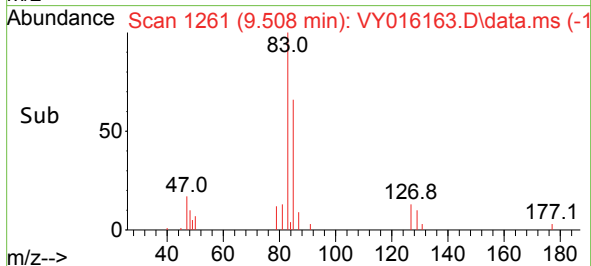
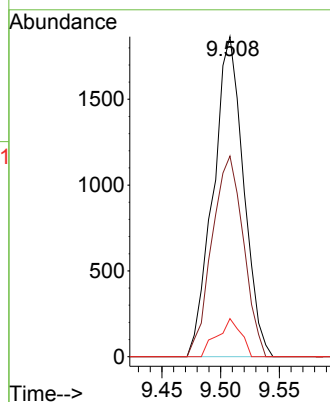
Tgt Ion: 83 Resp: 3353

Ion Ratio Lower Upper

83 100

85 62.7 50.1 75.1

127 11.9 7.1 10.7#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

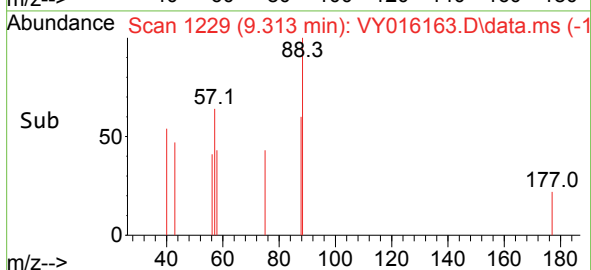
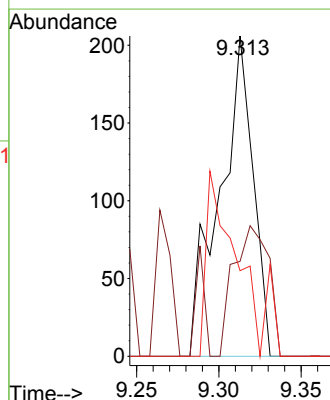
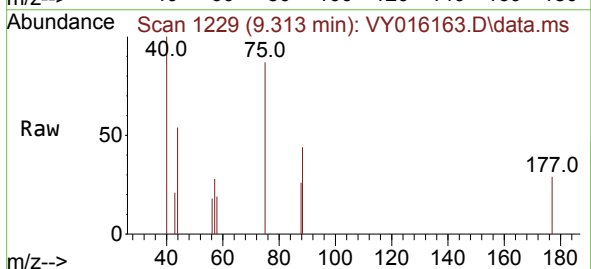
Tgt Ion: 88 Resp: 290

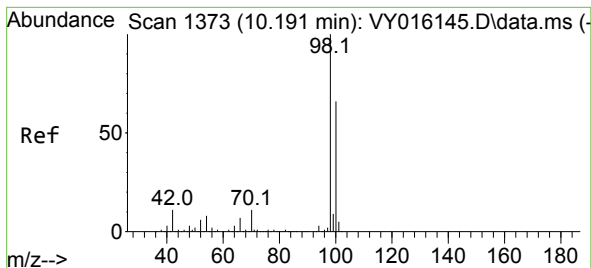
Ion Ratio Lower Upper

88 100

43 43.1 0.0 0.0#

58 0.0 30.9 46.3#

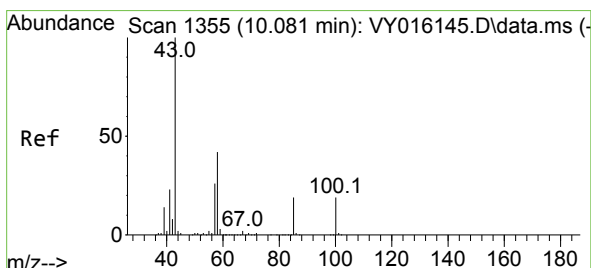
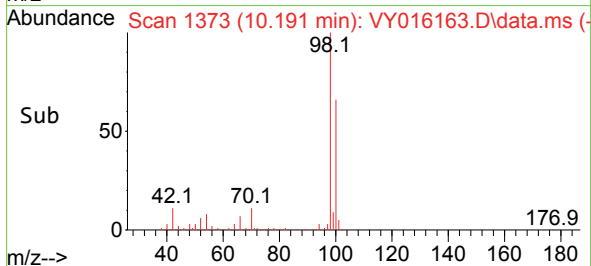
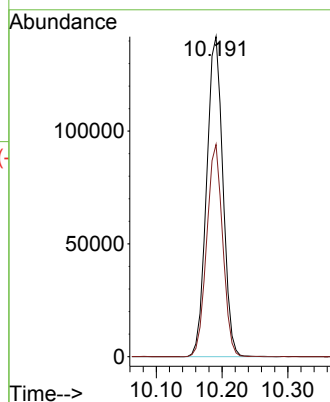
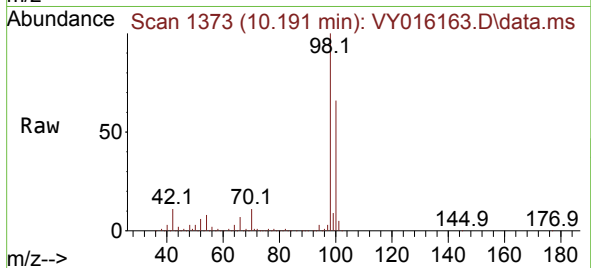




#50
Toluene-d8
Concen: 49.294 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

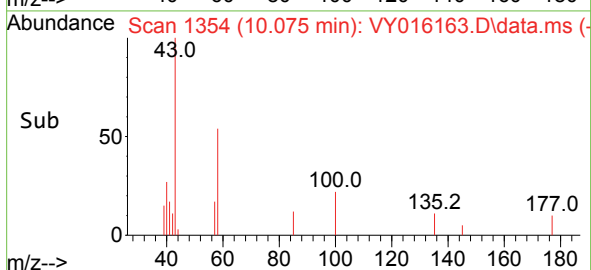
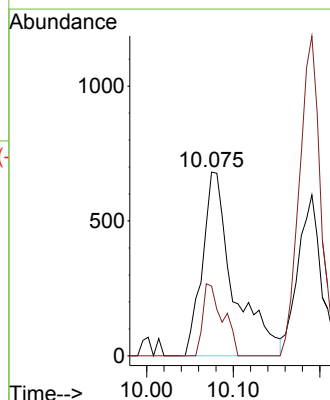
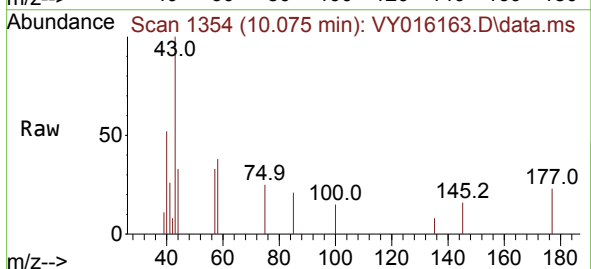
Instrument :
MSVOA_Y
ClientSampleId :

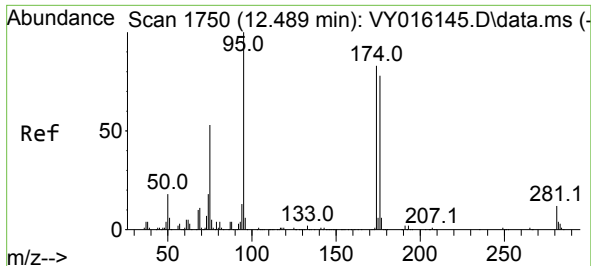
Tgt Ion: 98 Resp: 243582
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 2.158 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 25.0 29.0 43.6#

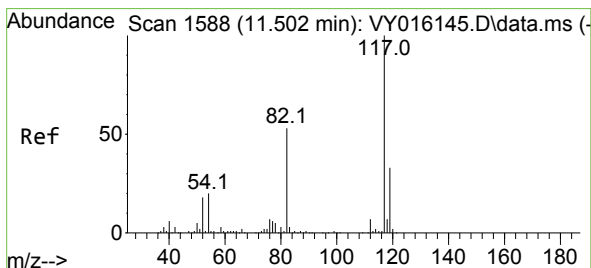
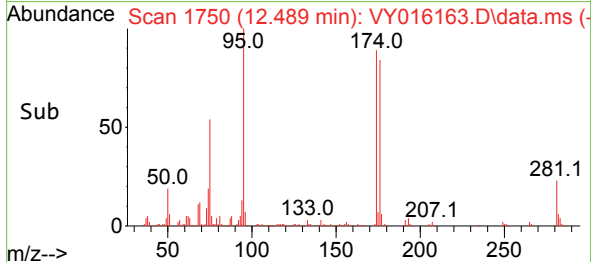
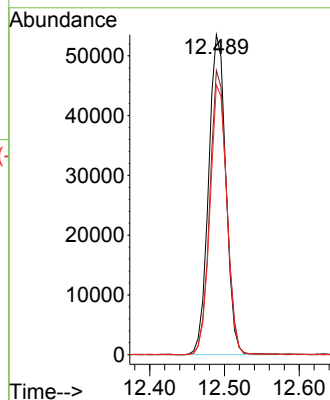
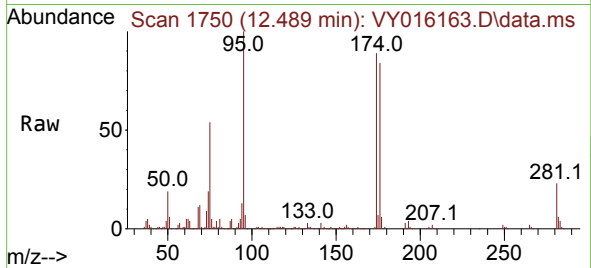




#62
4-Bromofluorobenzene
Concen: 50.768 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

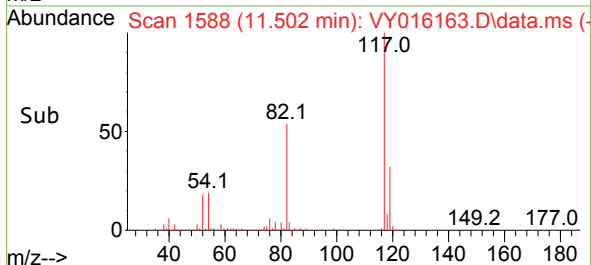
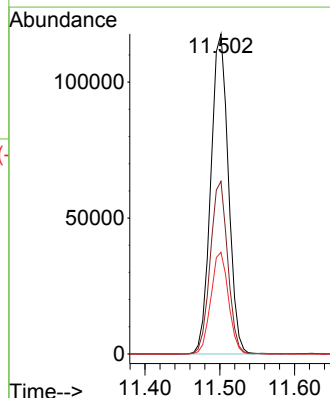
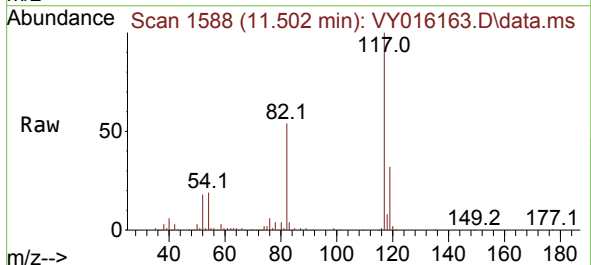
Instrument :
MSVOA_Y
ClientSampleId :

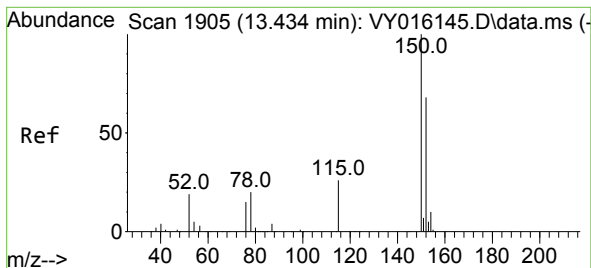
Tgt Ion: 95 Resp: 85784
Ion Ratio Lower Upper
95 100
174 86.8 0.0 178.2
176 82.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016163.D
Acq: 01 Nov 2023 13:06

Tgt Ion: 117 Resp: 192703
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.7 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :

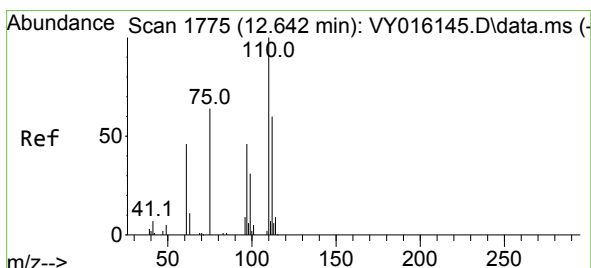
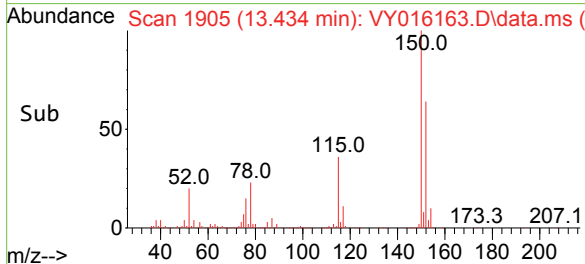
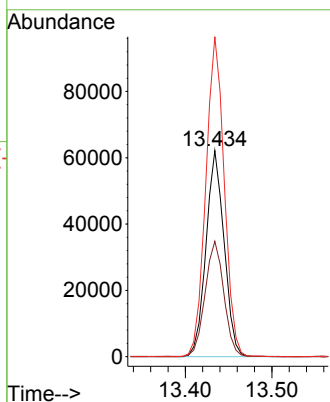
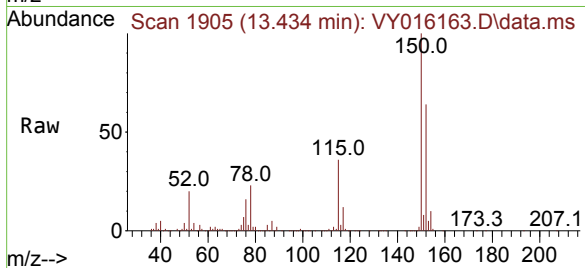
Tgt Ion:152 Resp: 90369

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 52.515 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016163.D

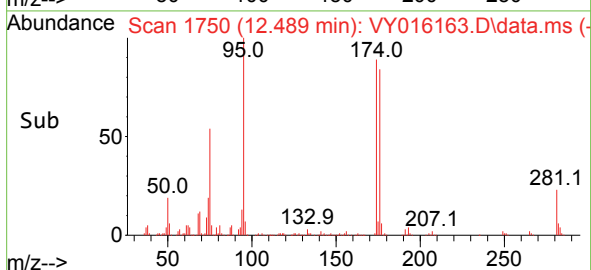
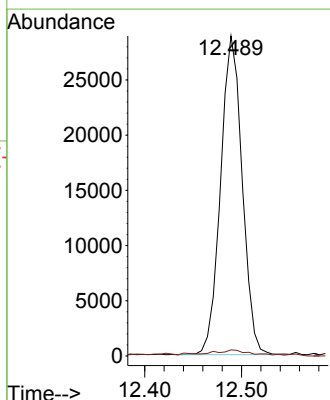
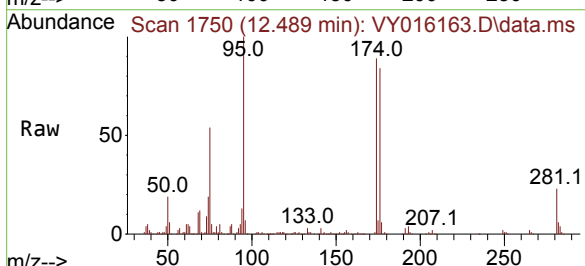
Acq: 01 Nov 2023 13:06

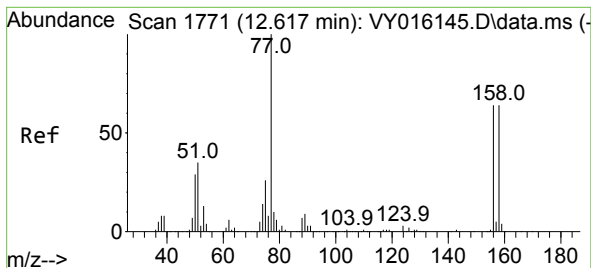
Tgt Ion: 75 Resp: 44691

Ion Ratio Lower Upper

75 100

77 3.1 0.0 0.0#





#77

Bromobenzene

Concen: 2.818 ug/l

RT: 12.434 min Scan# 1

Delta R.T. -0.183 min

Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :

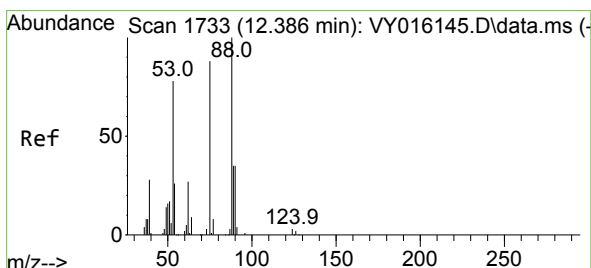
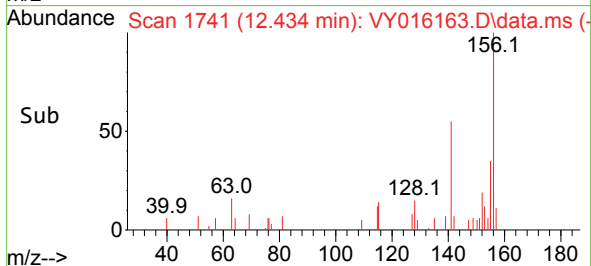
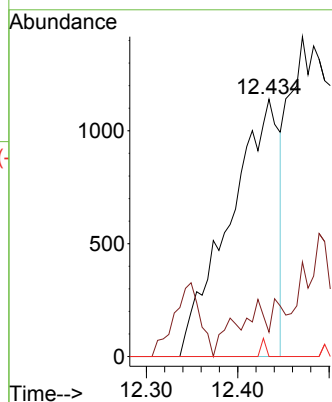
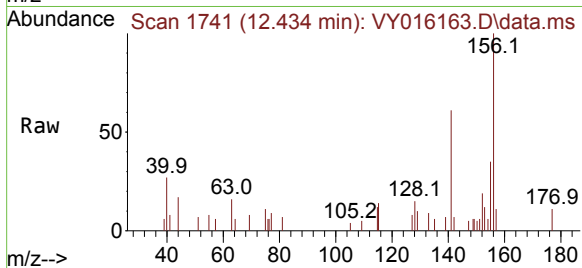
Tgt Ion:156 Resp: 4325

Ion Ratio Lower Upper

156 100

77 5.2 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.865 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.103 min

Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

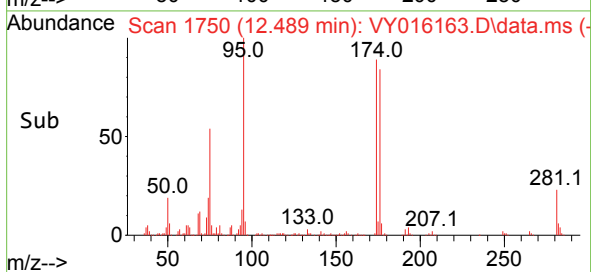
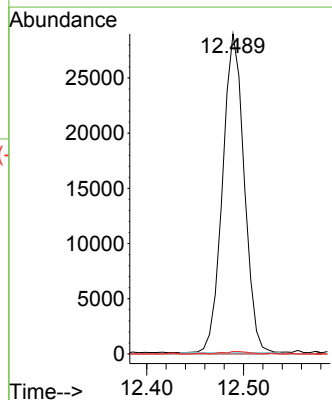
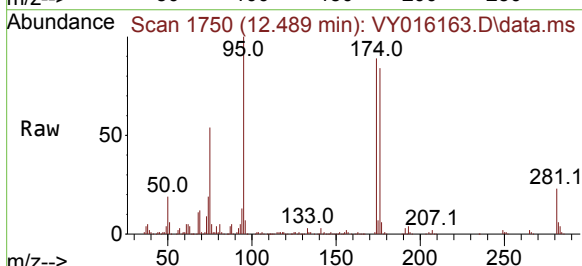
Tgt Ion: 75 Resp: 44691

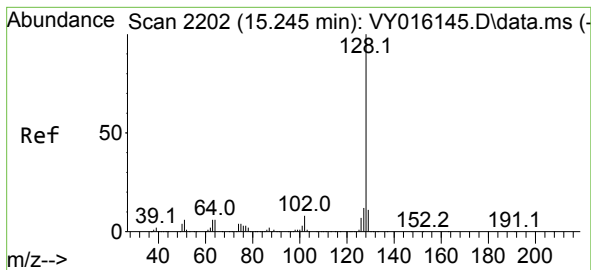
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.9 37.4 56.0#





#95

Naphthalene

Concen: 1.808 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

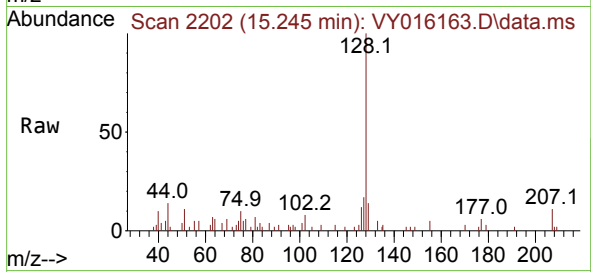
Lab File: VY016163.D

Acq: 01 Nov 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 5687

Ion Ratio Lower Upper

128 100

127 15.3 10.8 16.2

129 14.1 8.6 13.0#

