

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016181.D
 Acq On : 02 Nov 2023 11:00
 Operator : SY/MD
 Sample : VY1102SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:36:49 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)

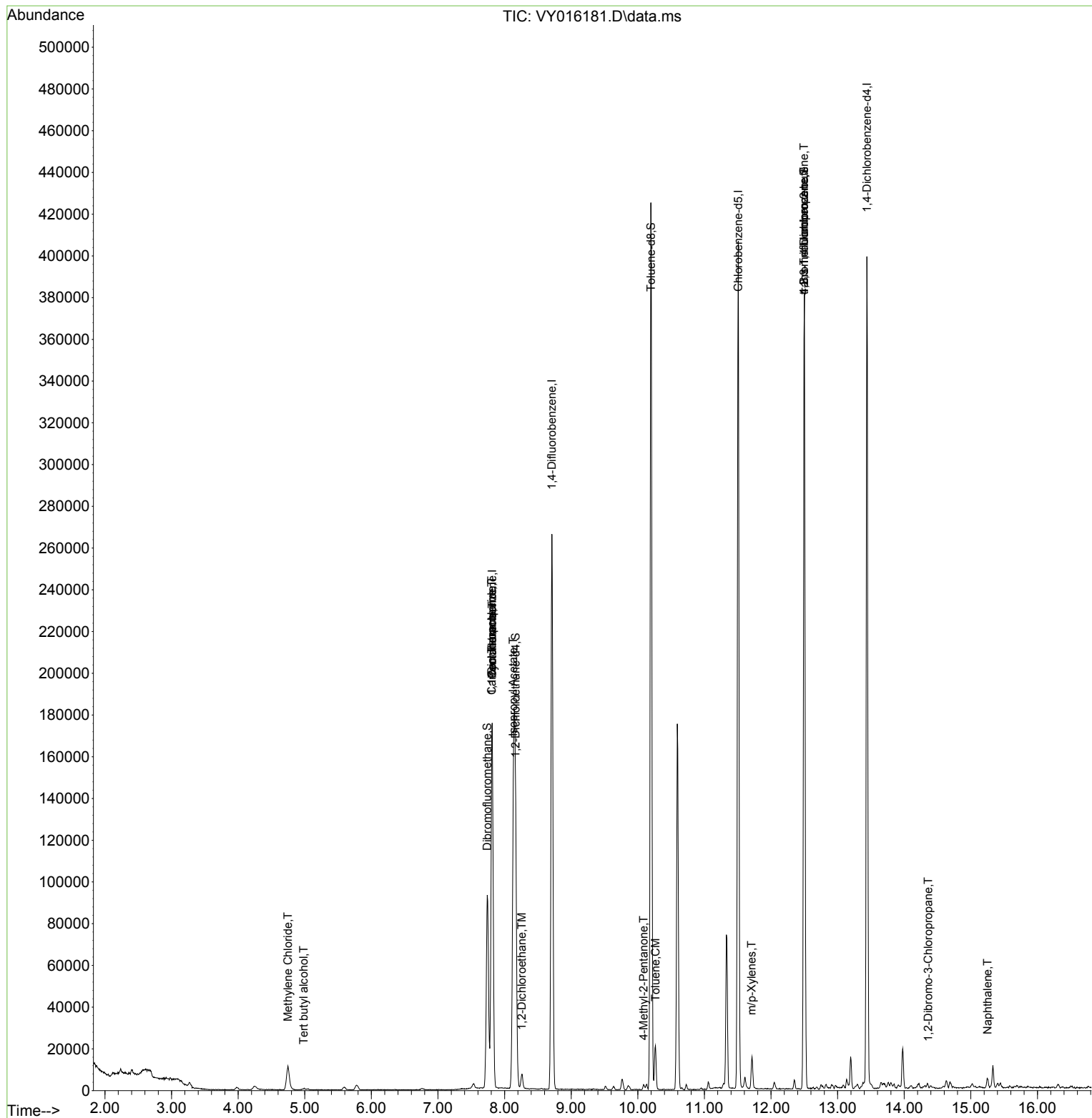
Internal Standards						
1) Pentafluorobenzene	7.813	168	140582	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	235550	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	218792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	103461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	78411	59.607	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.220%
35) Dibromofluoromethane	7.740	113	65863	46.902	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.800%
50) Toluene-d8	10.197	98	279030	50.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.240%
62) 4-Bromofluorobenzene	12.495	95	99658	52.345	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.700%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.984	59	1411	14.356	ug/l #	89
13) Acrolein	3.759	56	26	Below Cal	#	14
16) Acetone	3.985	43	2246	Below Cal	#	65
20) Methylene Chloride	4.747	84	8466	3.495	ug/l #	84
31) Cyclohexane	7.813	56	2743	1.356	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	12003	5.919	ug/l #	49
38) Carbon Tetrachloride	7.807	117	13522	6.731	ug/l #	16
42) 1,2-Dichloroethane	8.258	62	6141	3.780	ug/l	95
43) Isopropyl Acetate	8.130	43	3556	1.990	ug/l #	1
49) 1,4-Dioxane	9.325	88	99	Below Cal	#	36
51) 4-Methyl-2-Pentanone	10.087	43	1736	1.947	ug/l #	87
52) Toluene	10.264	92	9182	2.434	ug/l	92
68) m/p-Xylenes	11.709	106	4671	1.555	ug/l	95
76) 1,2,3-Trichloropropane	12.495	75	52412	53.794	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	52412	116.639	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.361	75	252	1.140	ug/l #	3
95) Naphthalene	15.251	128	3891	1.081	ug/l	97

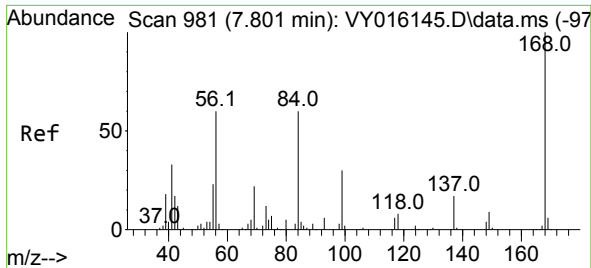
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 03 01:36:49 2023
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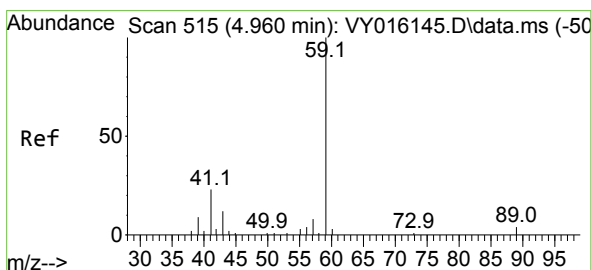
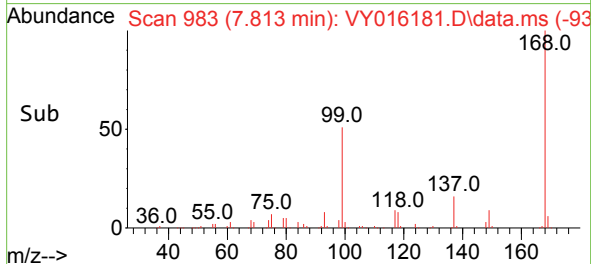
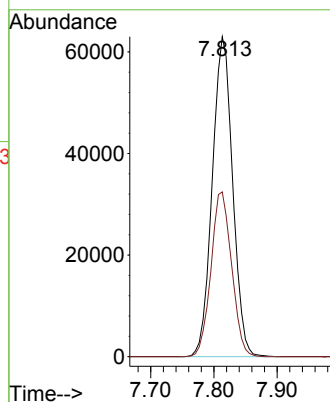
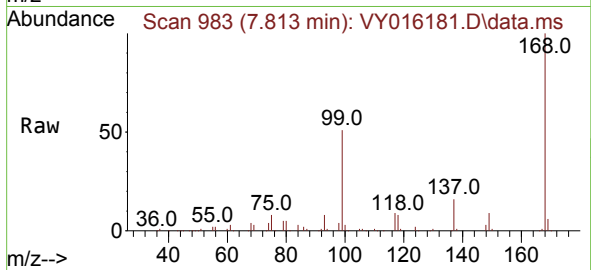




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

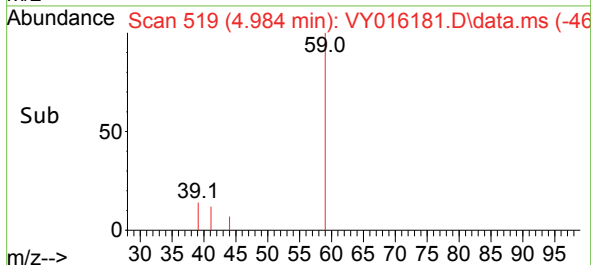
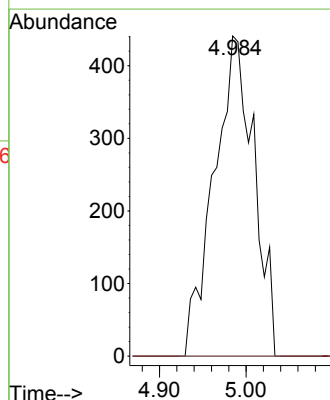
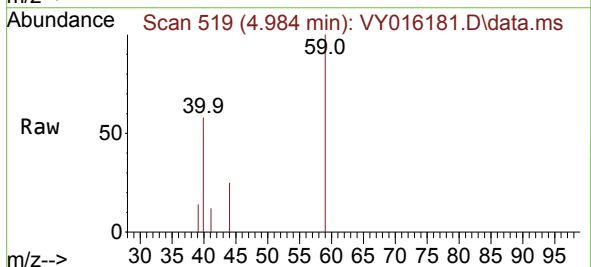
Instrument :
MSVOA_Y
ClientSampleId :

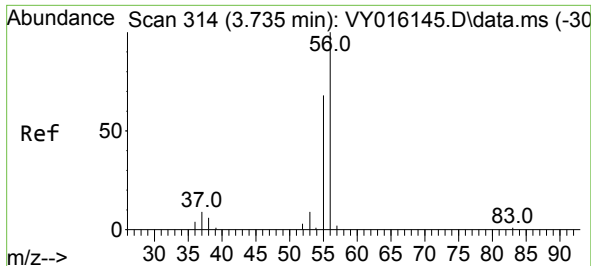
Tgt Ion:168 Resp: 140582
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 14.356 ug/l
RT: 4.984 min Scan# 519
Delta R.T. 0.024 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

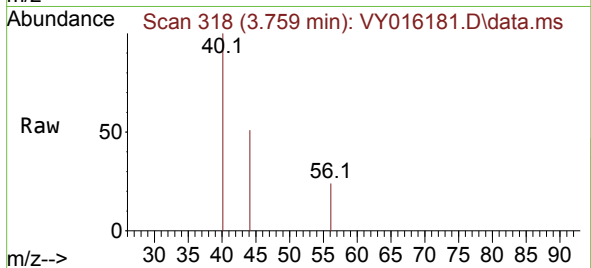
Tgt Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



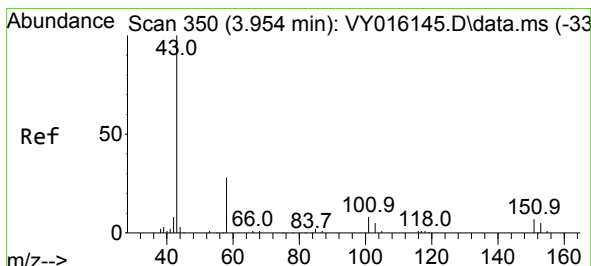
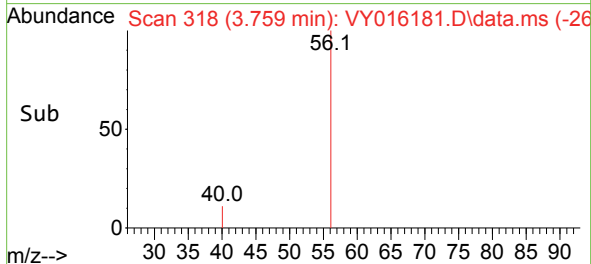
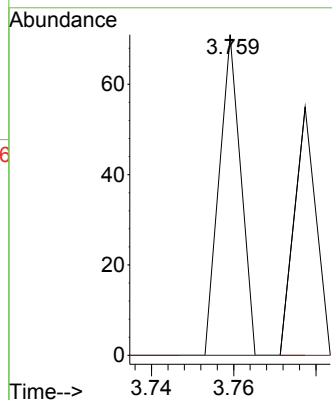


#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 314
Delta R.T. 0.024 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Instrument :
MSVOA_Y
ClientSampleId :

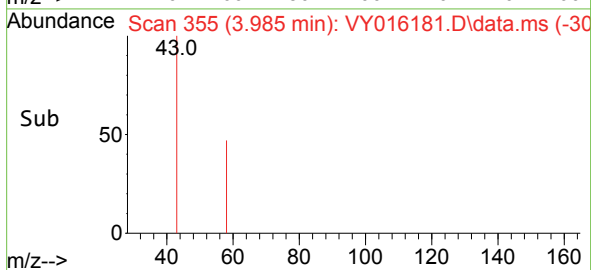
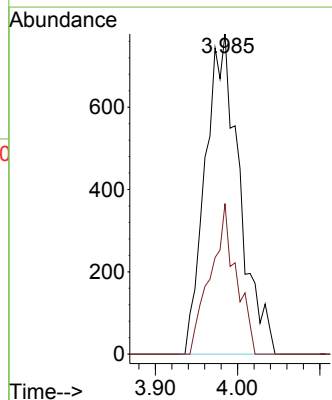
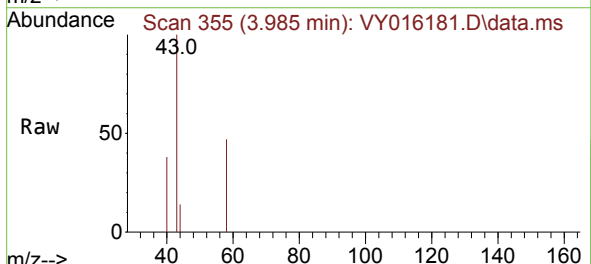


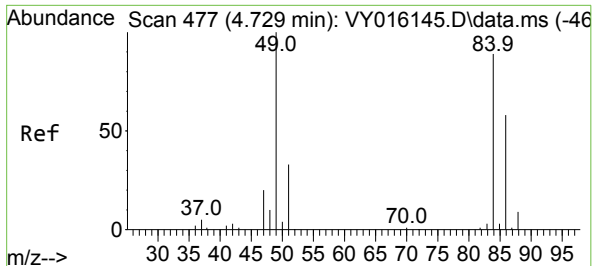
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: Below Cal
RT: 3.985 min Scan# 355
Delta R.T. 0.031 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 47.0 22.7 34.1#





#20

Methylene Chloride

Concen: 3.495 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.018 min

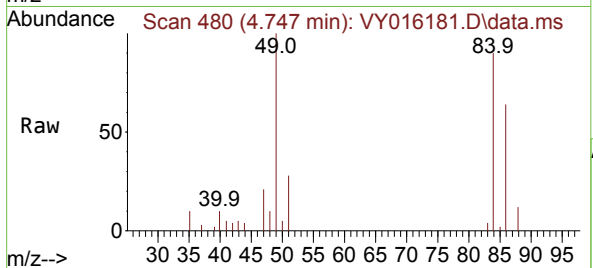
Lab File: VY016181.D

Acq: 02 Nov 2023 11:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8466

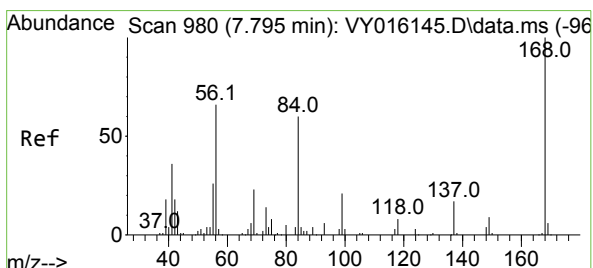
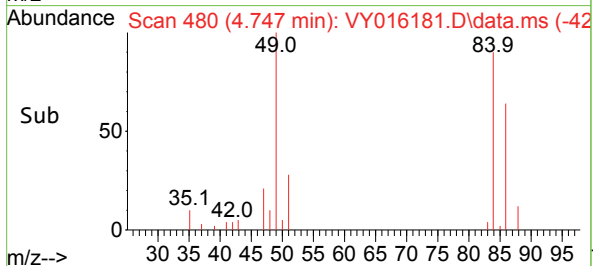
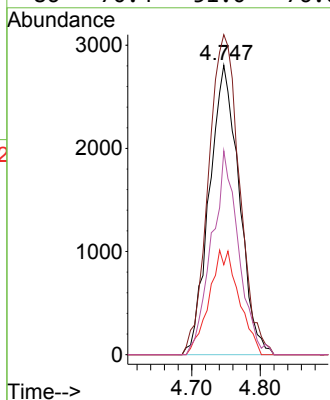
Ion Ratio Lower Upper

84 100

49 110.5 106.9 160.3

51 31.1 33.2 49.8#

86 70.4 51.0 76.6



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.018 min

Lab File: VY016181.D

Acq: 02 Nov 2023 11:00

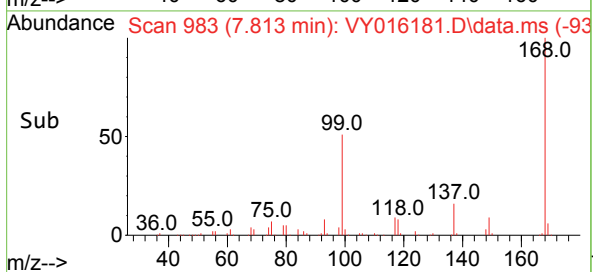
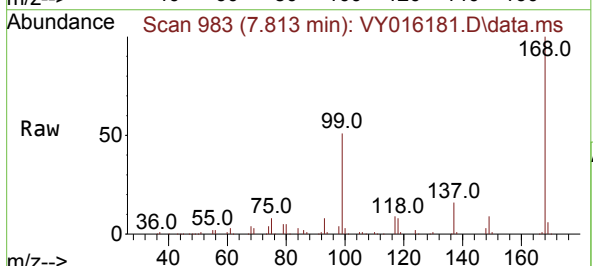
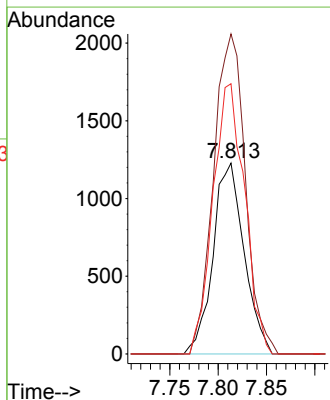
Tgt Ion: 56 Resp: 2743

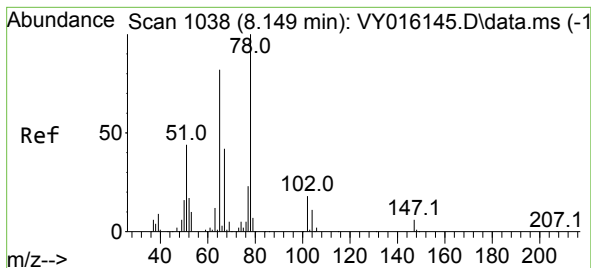
Ion Ratio Lower Upper

56 100

69 167.7 27.8 41.6#

84 141.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.607 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.018 min

Lab File: VY016181.D

Acq: 02 Nov 2023 11:00

Instrument :

MSVOA_Y

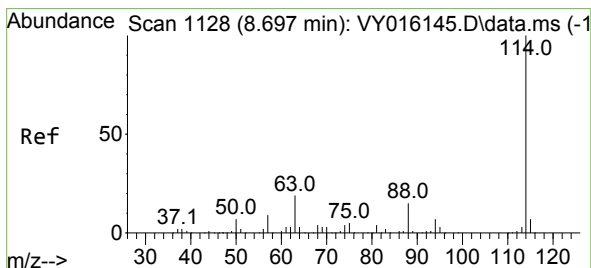
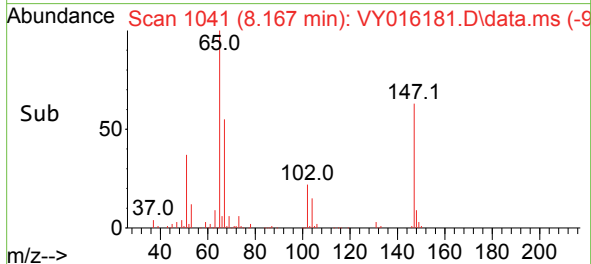
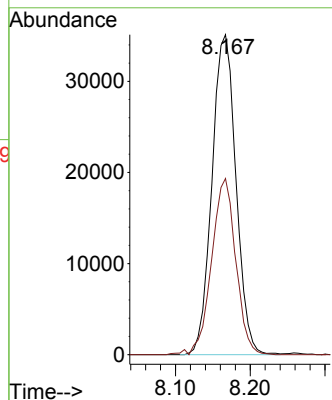
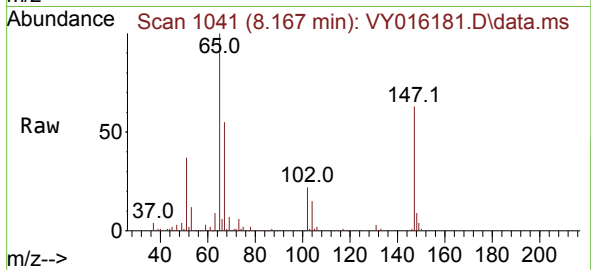
ClientSampleId :

Tgt Ion: 65 Resp: 78411

Ion Ratio Lower Upper

65 100

67 55.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016181.D

Acq: 02 Nov 2023 11:00

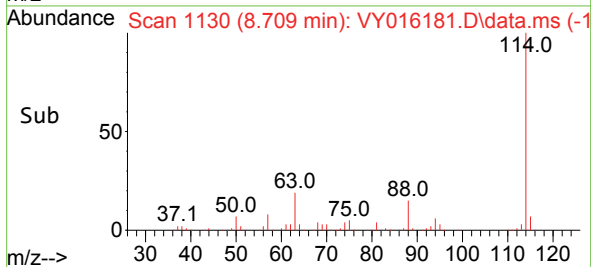
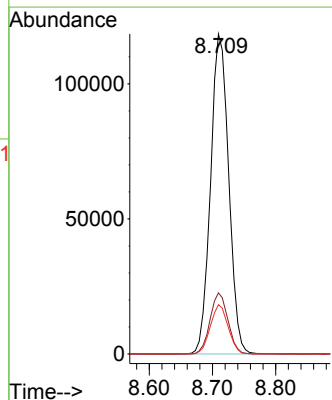
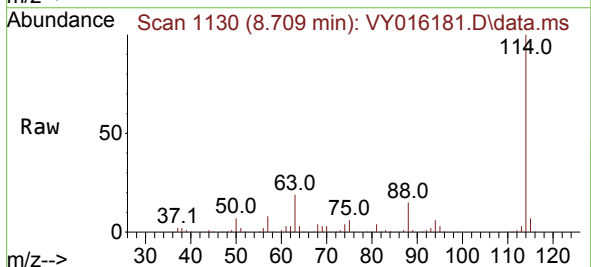
Tgt Ion: 114 Resp: 235550

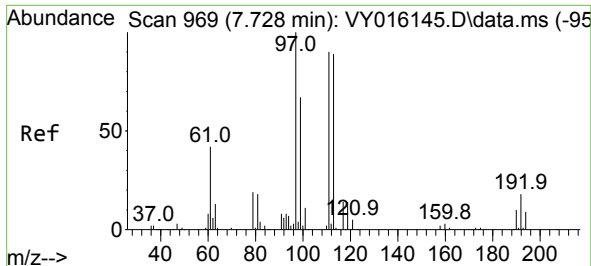
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.4 0.0 30.6

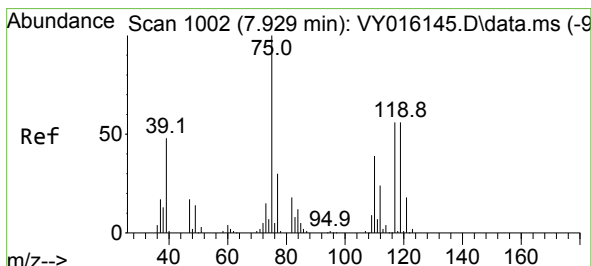
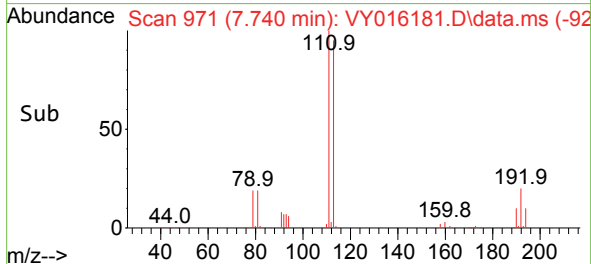
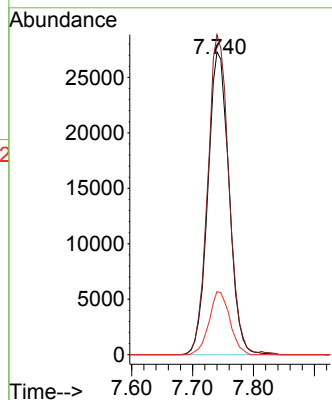
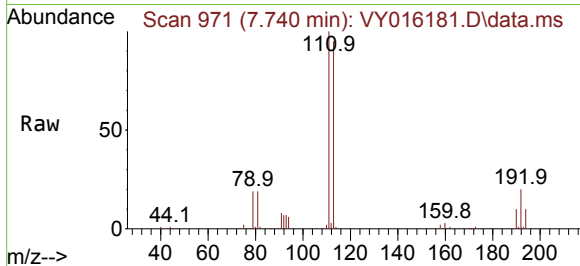




#35
Dibromofluoromethane
Concen: 46.902 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

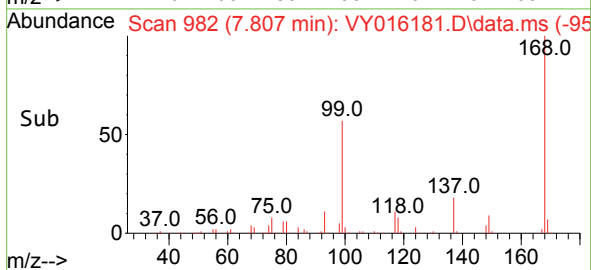
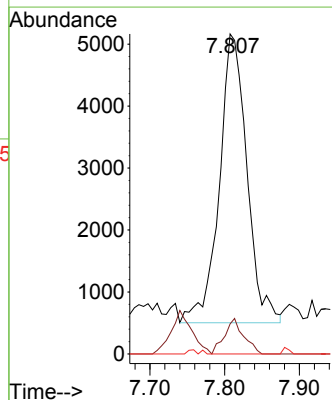
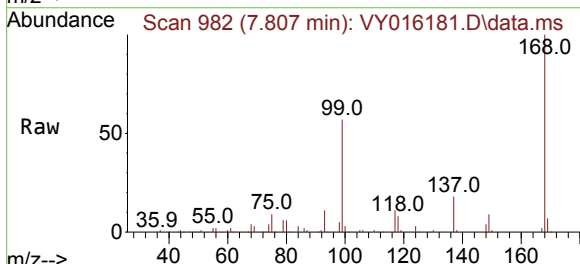
Instrument :
MSVOA_Y
ClientSampleId :

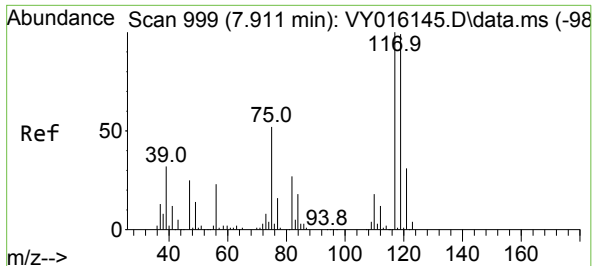
Tgt Ion:113 Resp: 65863
Ion Ratio Lower Upper
113 100
111 105.3 81.3 121.9
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.919 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

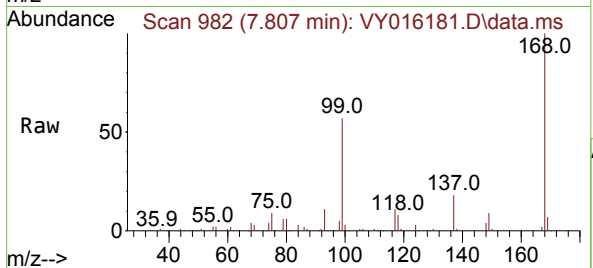
Tgt Ion: 75 Resp: 12003
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.0 24.4 36.6#



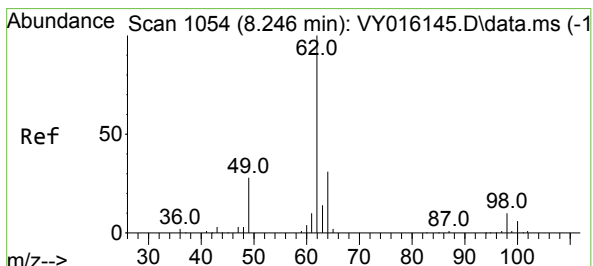
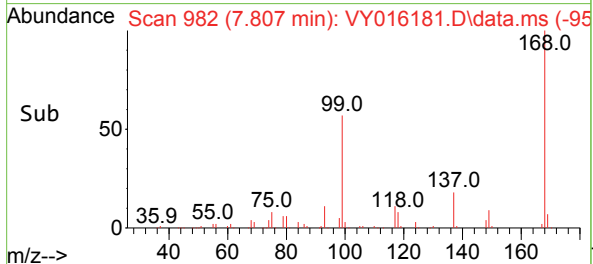
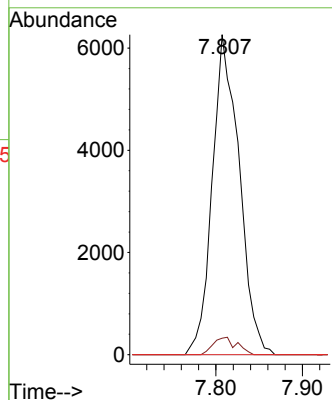


#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Instrument :
MSVOA_Y
ClientSampleId :

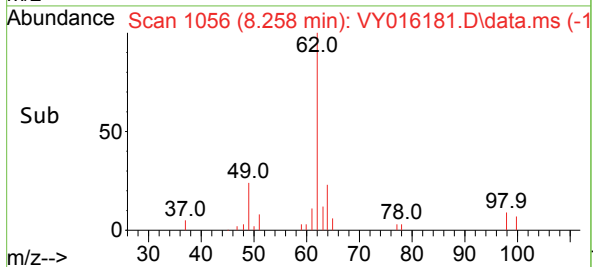
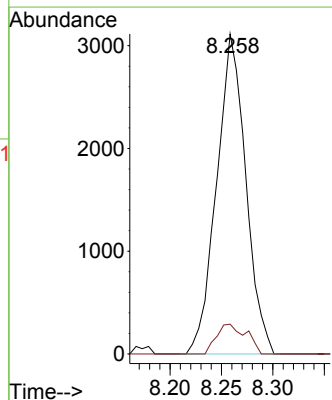
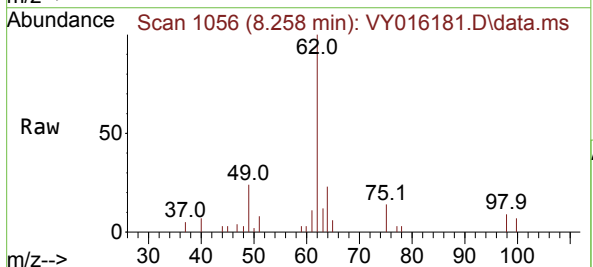


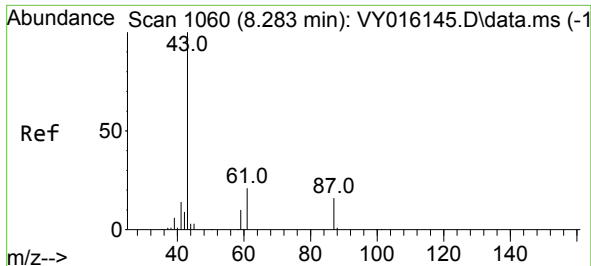
Tgt Ion:117 Resp: 13522
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#42
1,2-Dichloroethane
Concen: 3.780 ug/l
RT: 8.258 min Scan# 1056
Delta R.T. 0.012 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

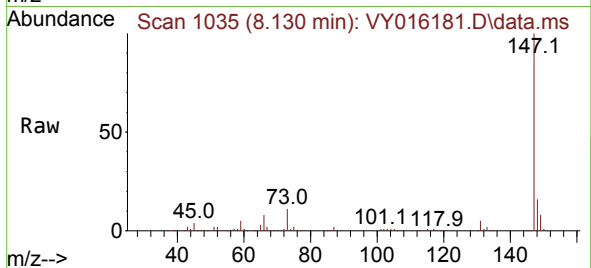
Tgt Ion: 62 Resp: 6141
Ion Ratio Lower Upper
62 100
98 9.5 0.0 15.8



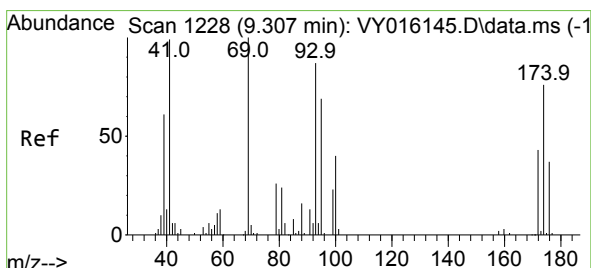
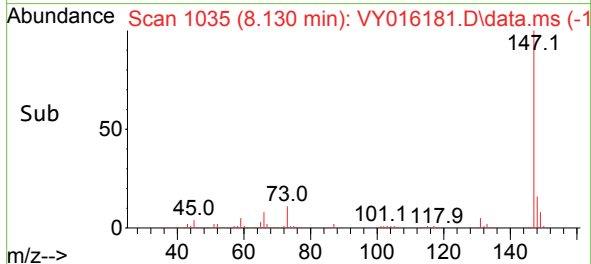
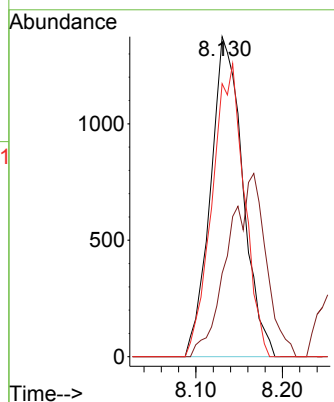


#43
Isopropyl Acetate
Concen: 1.990 ug/l
RT: 8.130 min Scan# 1060
Delta R.T. -0.152 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Instrument :
MSVOA_Y
ClientSampleId :

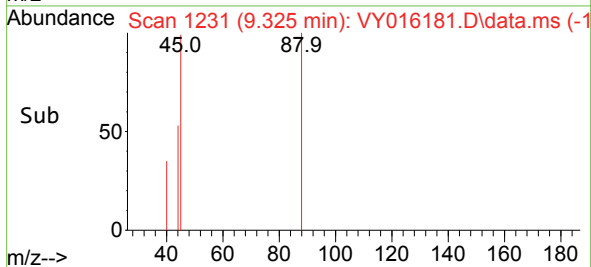
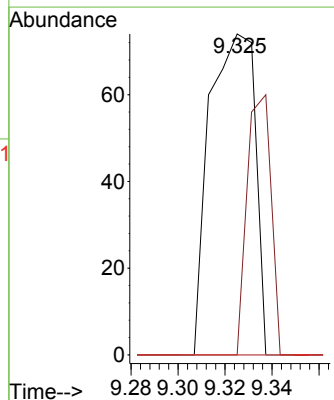
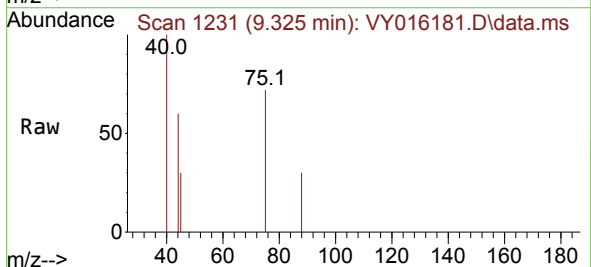


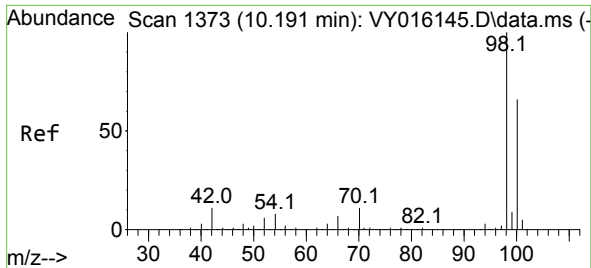
Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 90.7 9.8 14.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.325 min Scan# 1231
Delta R.T. 0.018 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 42.4 0.0 0.0#
58 0.0 30.9 46.3#

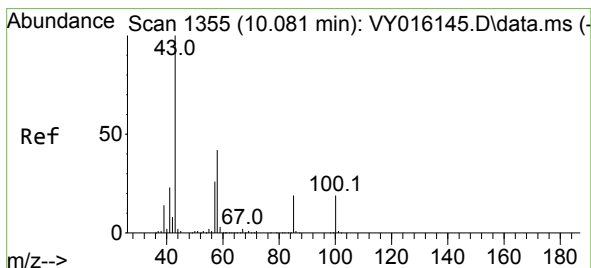
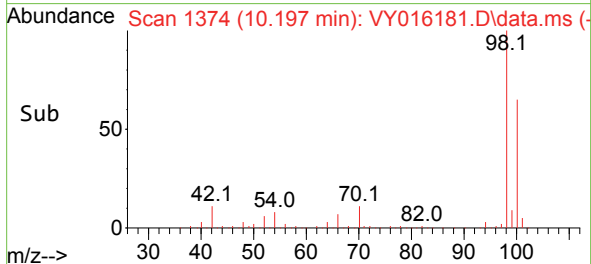
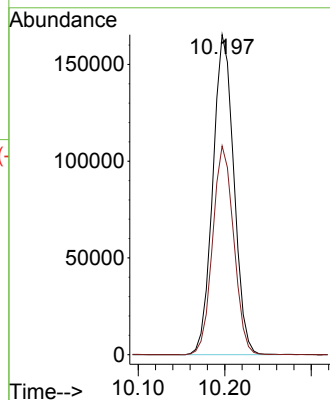
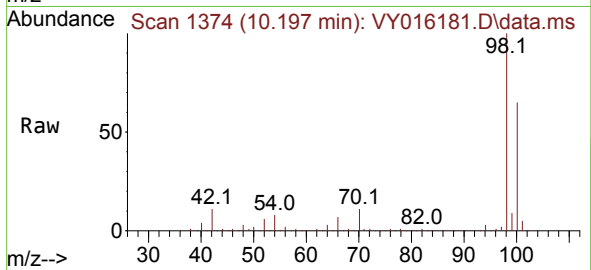




#50
Toluene-d8
Concen: 50.116 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

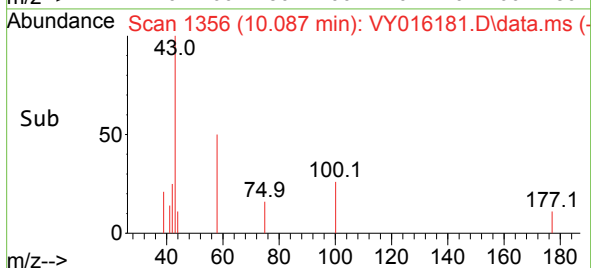
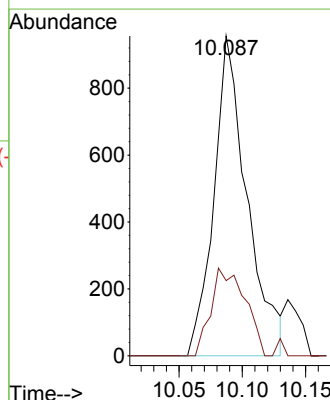
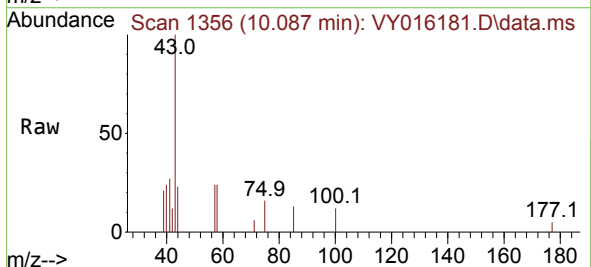
Instrument :
MSVOA_Y
ClientSampleId :

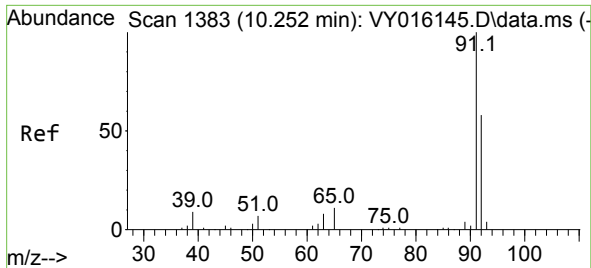
Tgt Ion: 98 Resp: 279030
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.947 ug/l
RT: 10.087 min Scan# 1356
Delta R.T. 0.006 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 28.4 29.0 43.6#

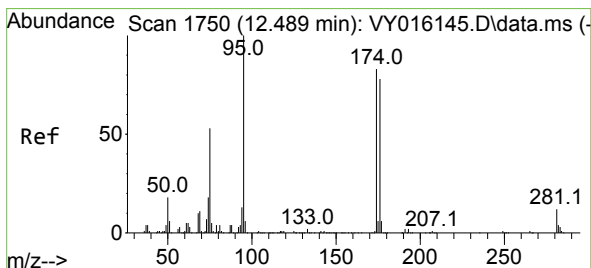
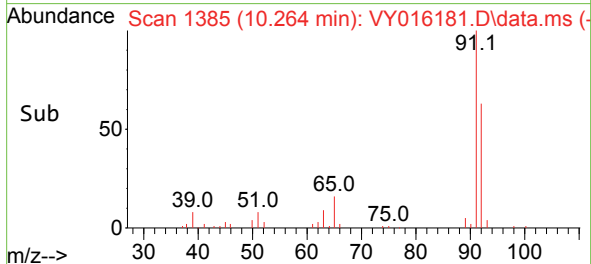
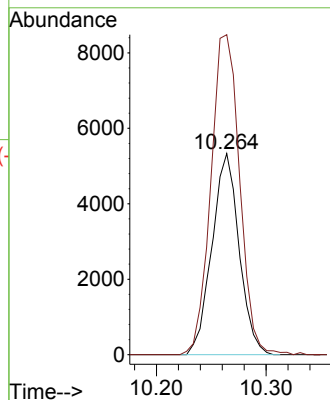
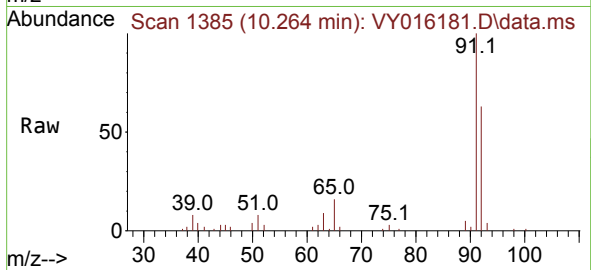




#52
Toluene
Concen: 2.434 ug/l
RT: 10.264 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

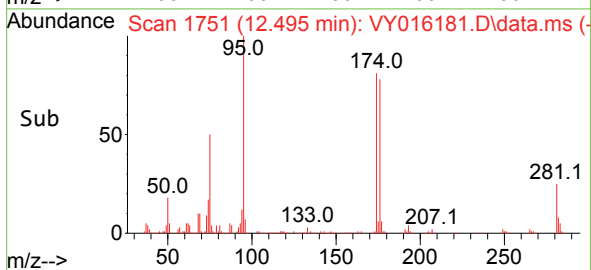
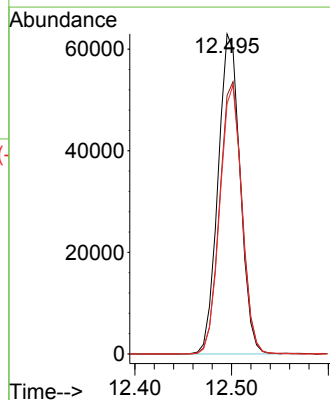
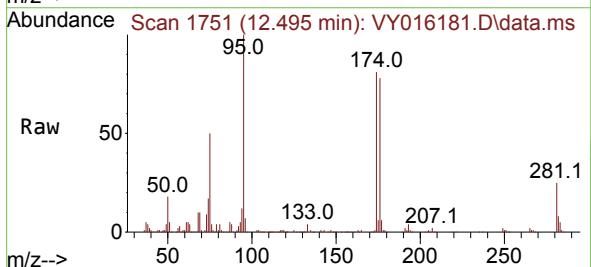
Instrument :
MSVOA_Y
ClientSampleId :

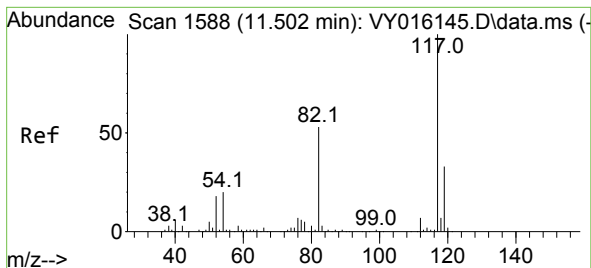
Tgt Ion: 92 Resp: 9182
Ion Ratio Lower Upper
92 100
91 168.7 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 52.345 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Tgt Ion: 95 Resp: 99658
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 83.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY016181.D

Acq: 02 Nov 2023 11:00

Instrument :

MSVOA_Y

ClientSampleId :

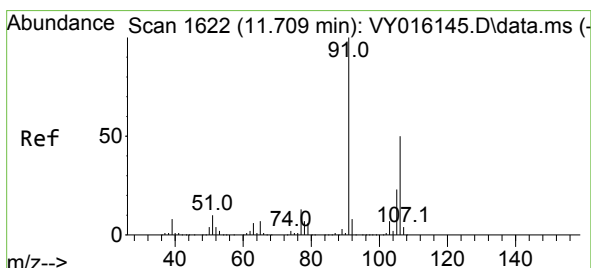
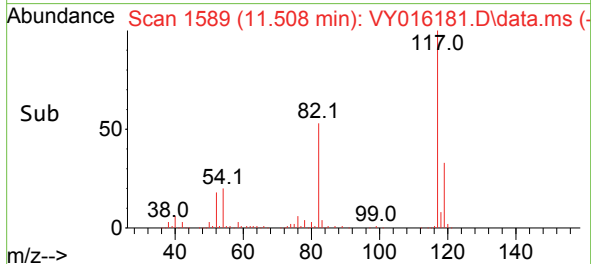
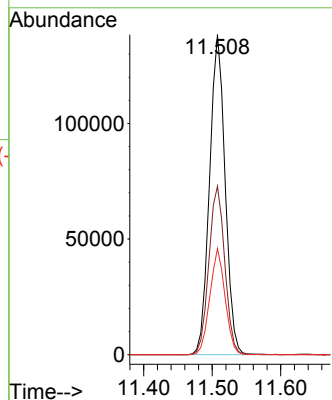
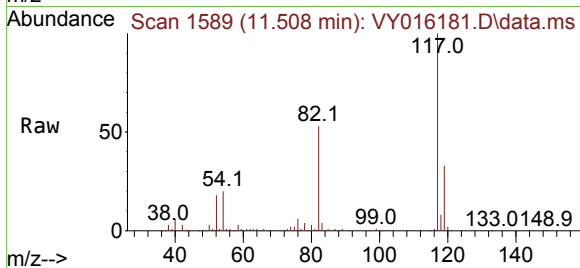
Tgt Ion:117 Resp: 218792

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 33.2 26.3 39.5



#68

m/p-Xylenes

Concen: 1.555 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. -0.000 min

Lab File: VY016181.D

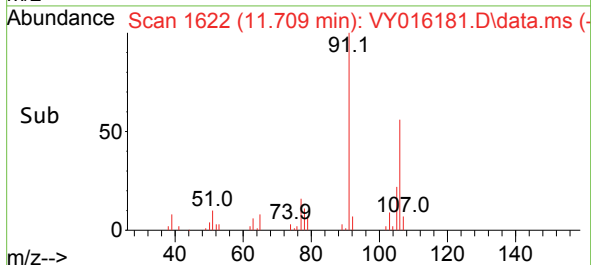
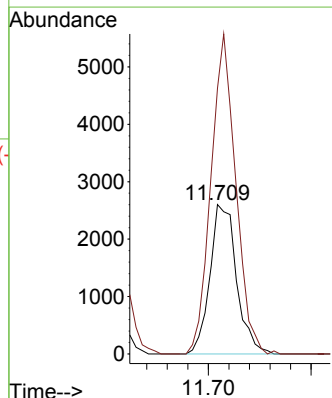
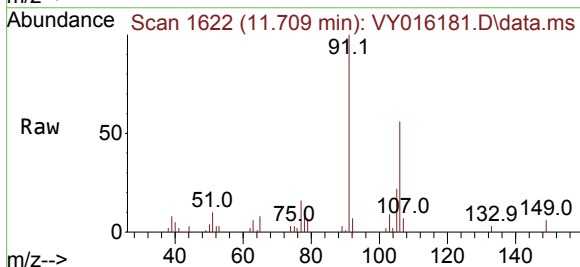
Acq: 02 Nov 2023 11:00

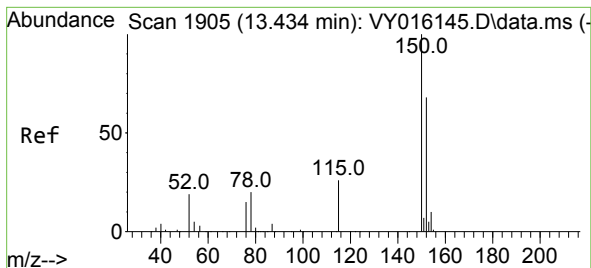
Tgt Ion:106 Resp: 4671

Ion Ratio Lower Upper

106 100

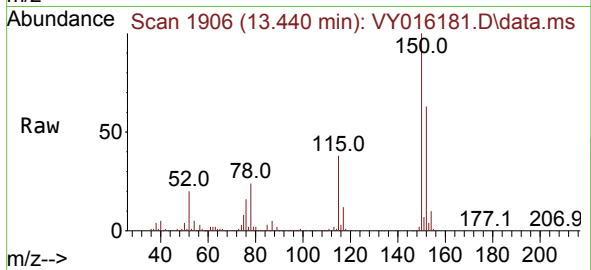
91 199.6 166.1 249.1



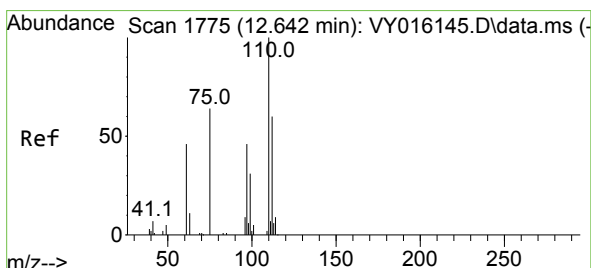
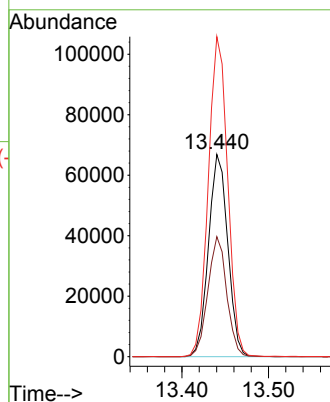
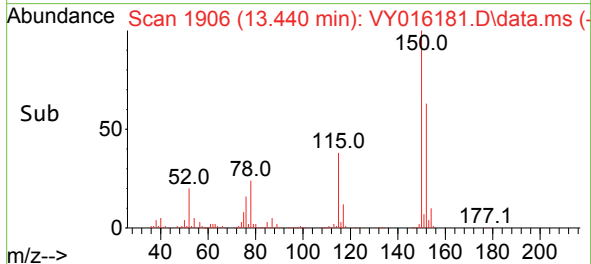


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Instrument :
MSVOA_Y
ClientSampleId :

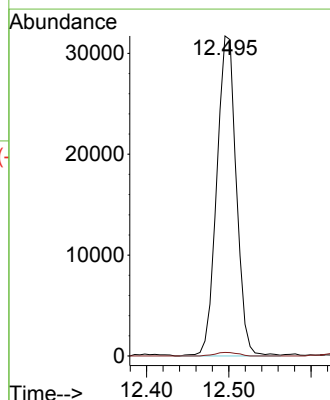
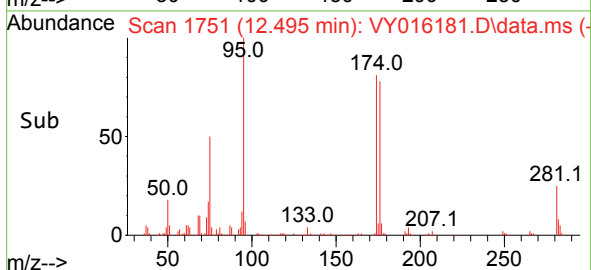
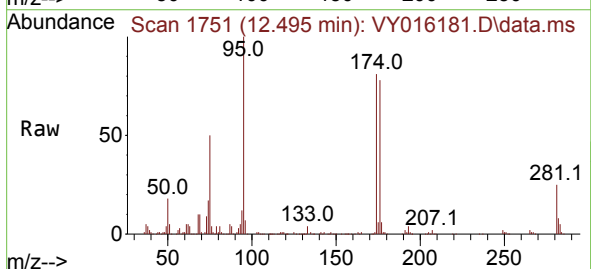


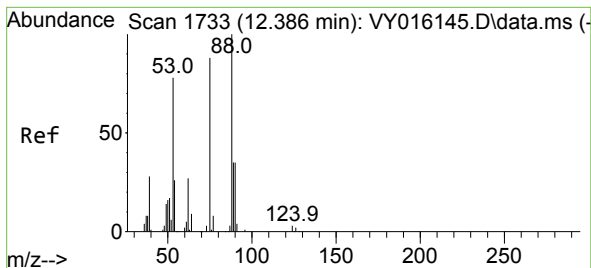
Tgt Ion:152 Resp: 103461
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 158.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 53.794 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Tgt Ion: 75 Resp: 52412
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

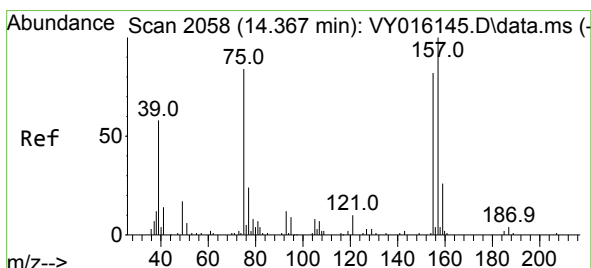
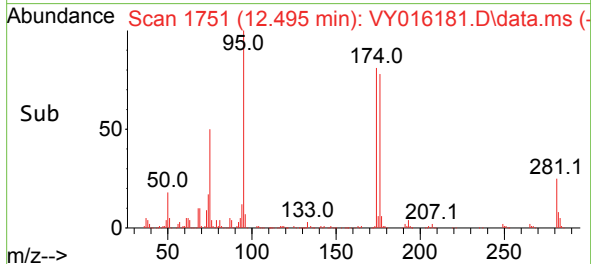
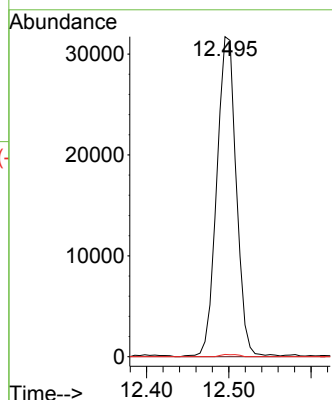
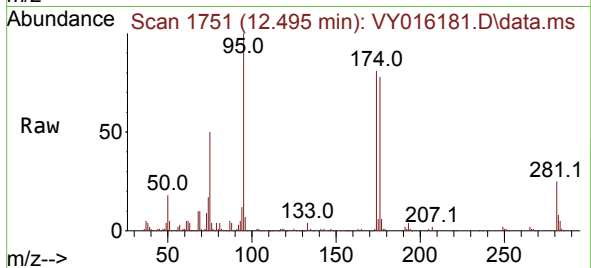




#81
trans-1,4-Dichloro-2-butene
Concen: 116.639 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

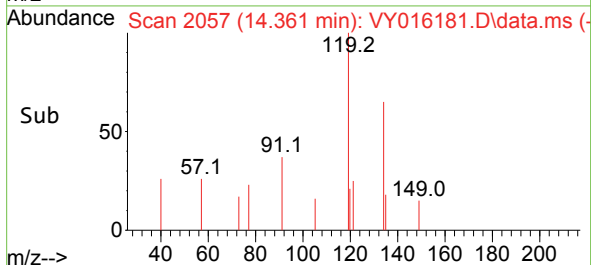
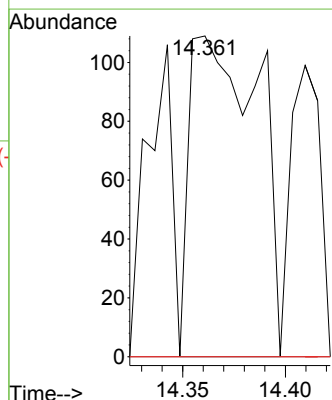
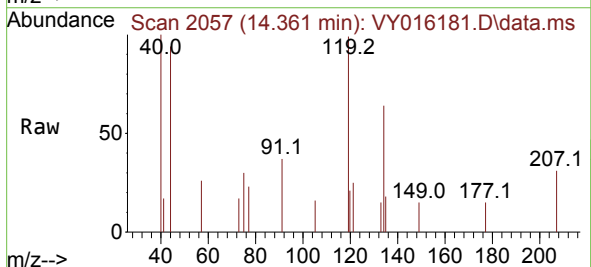
Instrument :
MSVOA_Y
ClientSampleId :

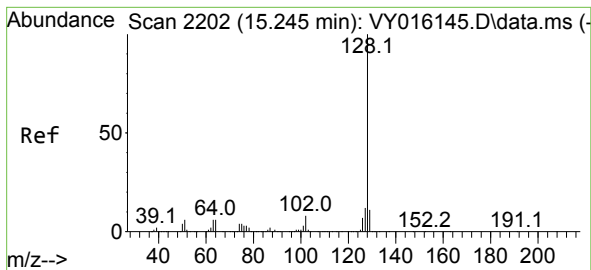
Tgt Ion: 75 Resp: 52412
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.6 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.140 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VY016181.D
Acq: 02 Nov 2023 11:00

Tgt Ion: 75 Resp: 252
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#95

Naphthalene

Concen: 1.081 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.006 min

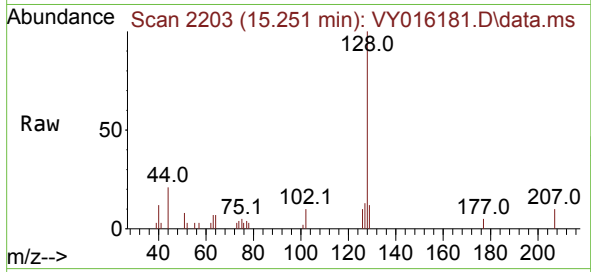
Lab File: VY016181.D

Acq: 02 Nov 2023 11:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 3891

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 12.5 8.6 13.0

