

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016173.D
 Acq On : 01 Nov 2023 17:00
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:29:06 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)

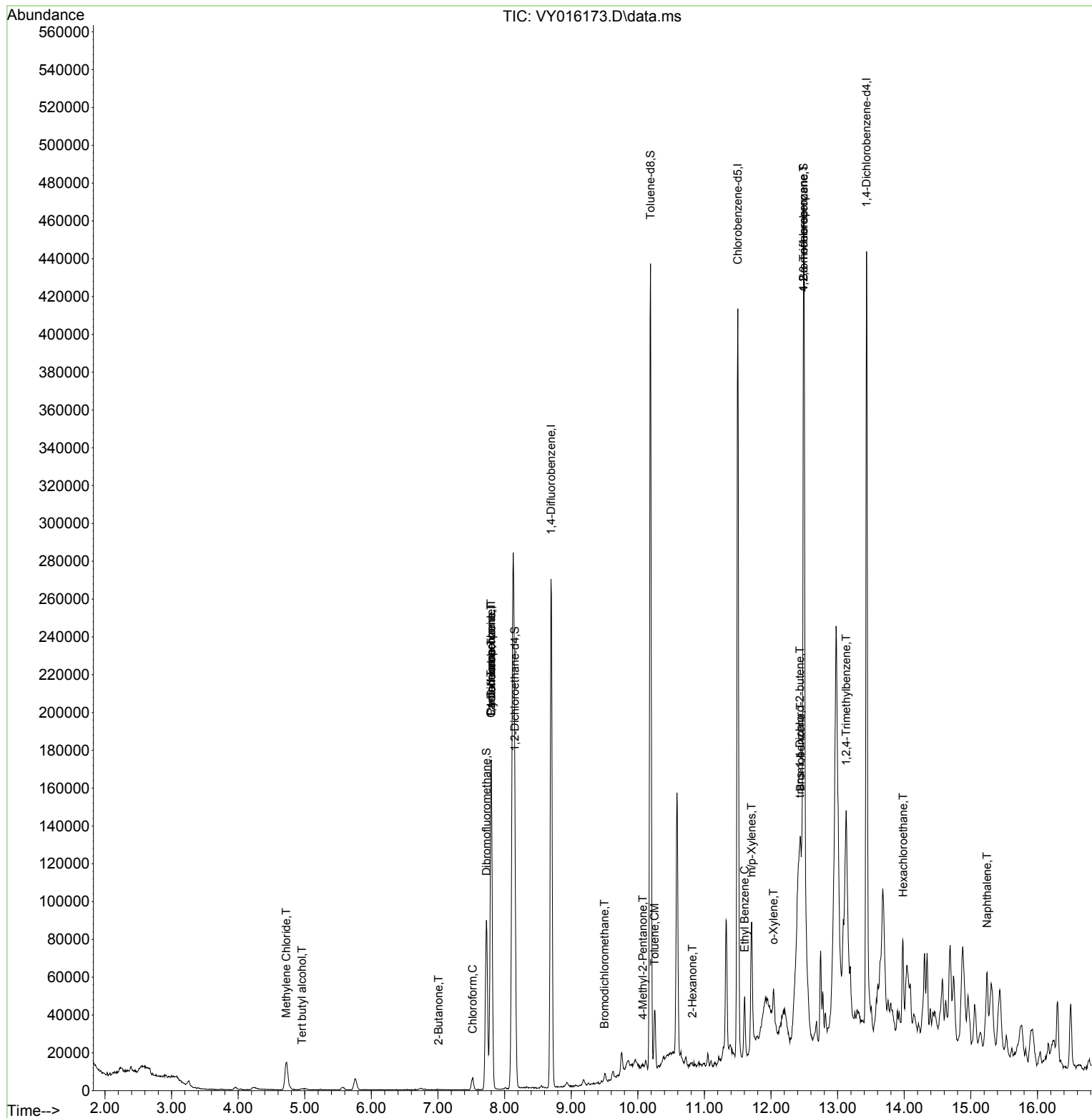
Internal Standards						
1) Pentafluorobenzene	7.801	168	138553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	232756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	219870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	75980	58.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.200%			
35) Dibromofluoromethane	7.728	113	64464	46.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.920%			
50) Toluene-d8	10.191	98	279405	50.786	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.489	95	100915	53.642	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.280%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	1448	14.948	ug/l #	93
13) Acrolein	3.747	56	93	Below Cal	#	51
16) Acetone	3.960	43	2628	Below Cal	#	75
20) Methylene Chloride	4.722	84	11225	5.821	ug/l	85
25) 2-Butanone	7.008	43	452	1.264	ug/l #	89
30) Chloroform	7.521	83	6059	2.452	ug/l	92
31) Cyclohexane	7.801	56	2762	1.386	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10455	5.218	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13323	6.711	ug/l #	15
47) Bromodichloromethane	9.502	83	3453	1.731	ug/l #	83
49) 1,4-Dioxane	9.307	88	163	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.075	43	1164	1.321	ug/l #	69
52) Toluene	10.252	92	13817	3.707	ug/l	93
59) 2-Hexanone	10.819	43	813	1.347	ug/l #	27
67) Ethyl Benzene	11.605	91	22359	2.862	ug/l	100
68) m/p-Xylenes	11.709	106	19718	6.531	ug/l	98
69) o-Xylene	12.038	106	4595	1.594	ug/l	94
76) 1,2,3-Trichloropropane	12.489	75	55863	55.965	ug/l #	100
77) Bromobenzene	12.440	156	225933	125.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.434	75	3556	7.724	ug/l #	22
84) 1,2,4-Trimethylbenzene	13.129	105	21599	3.389	ug/l	90
90) Hexachloroethane	13.983	117	2550	2.110	ug/l #	8
95) Naphthalene	15.245	128	25238	6.842	ug/l	97

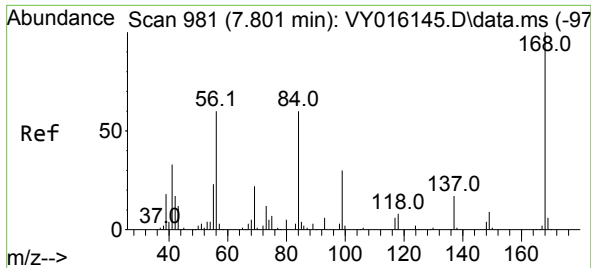
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
Data File : VY016173.D
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Operator : SY/MD
Sample : BLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

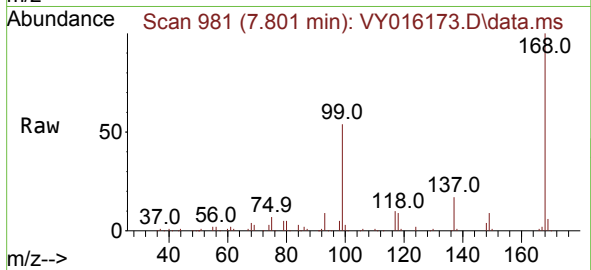
Quant Time: Nov 02 02:29:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



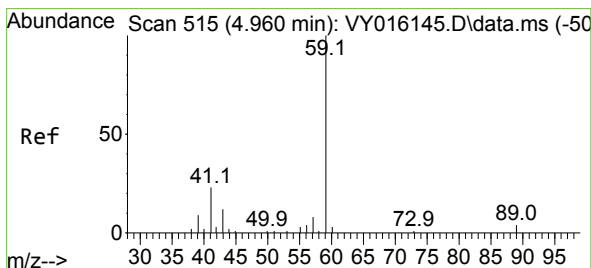
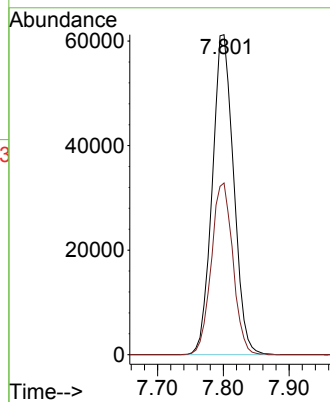
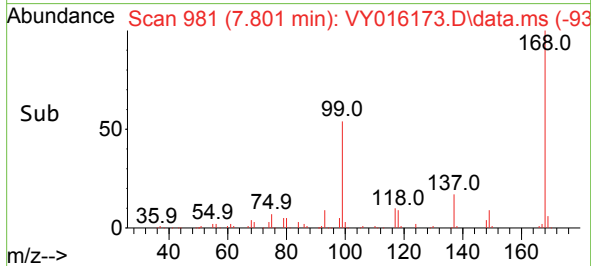


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :

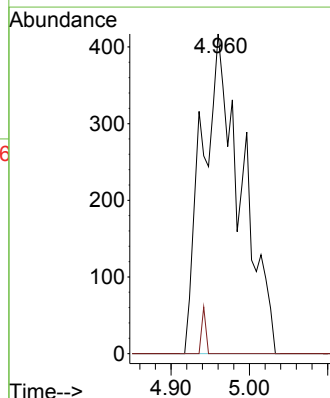
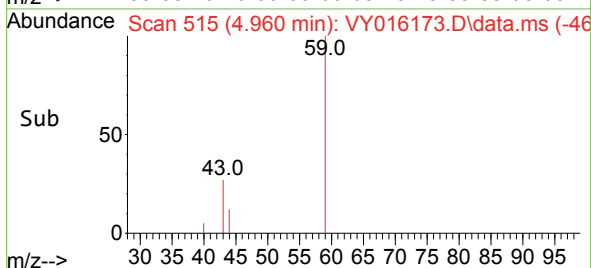
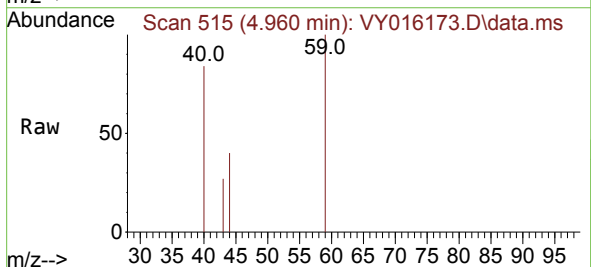


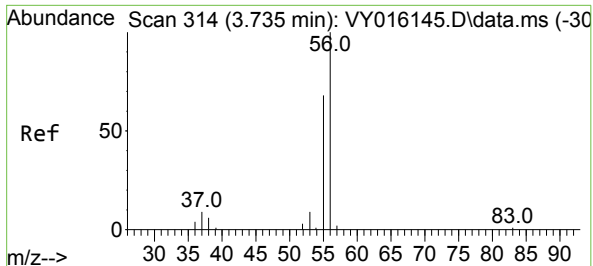
Tgt Ion:168 Resp: 138553
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 14.948 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

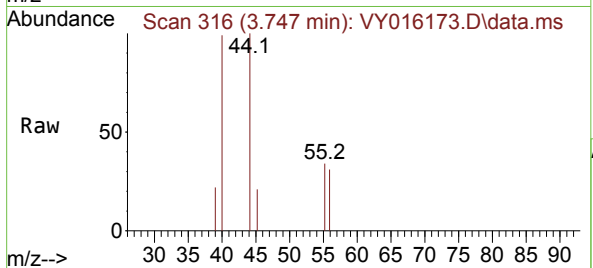
Tgt Ion: 59 Resp: 1448
Ion Ratio Lower Upper
59 100
57 1.5 3.0 4.4#



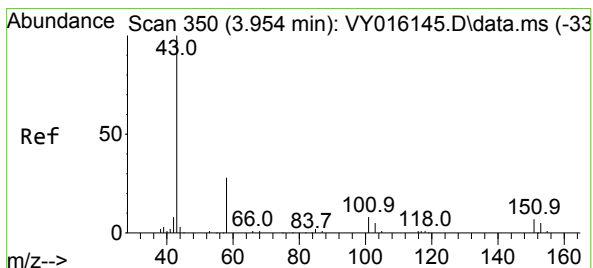
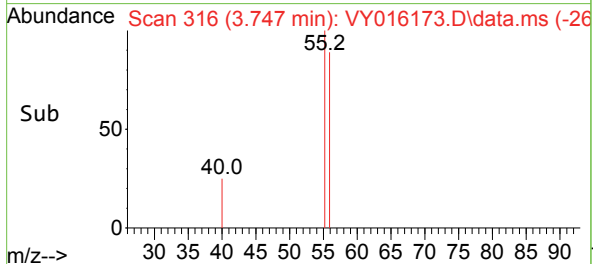
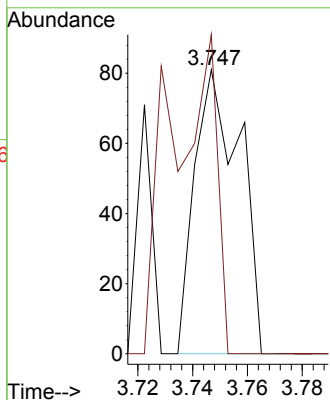


#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :

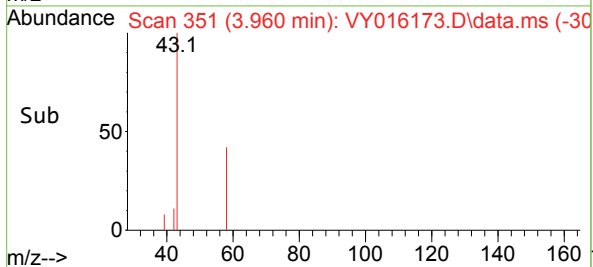
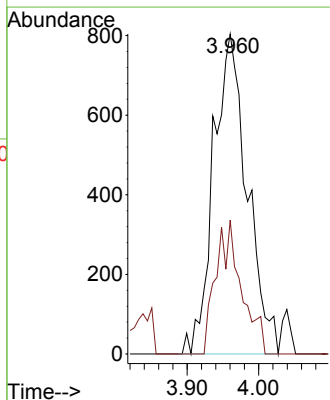
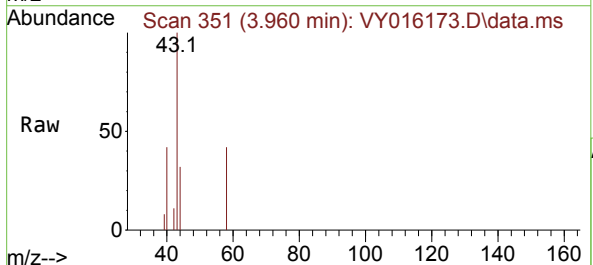


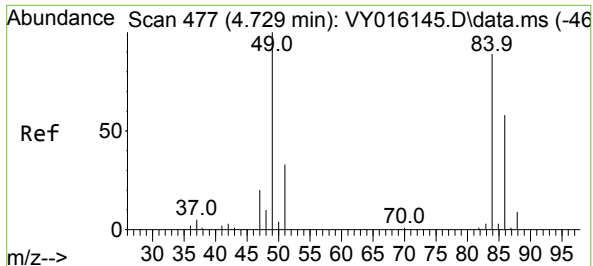
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 111.8 57.0 85.4#



#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

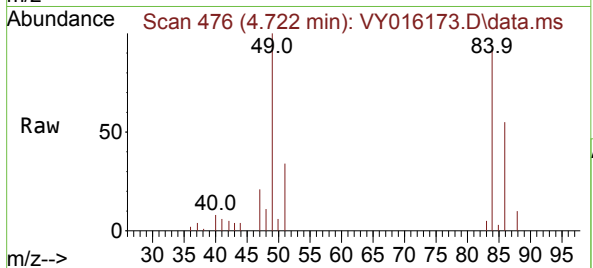
Tgt Ion: 43 Resp: 2628
Ion Ratio Lower Upper
43 100
58 41.8 22.7 34.1#



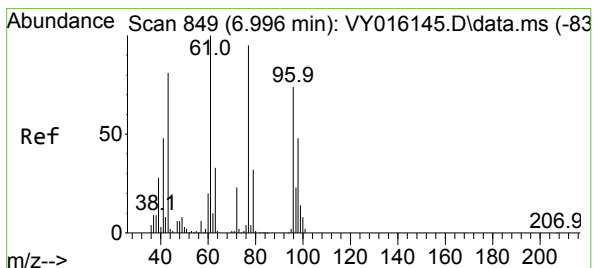
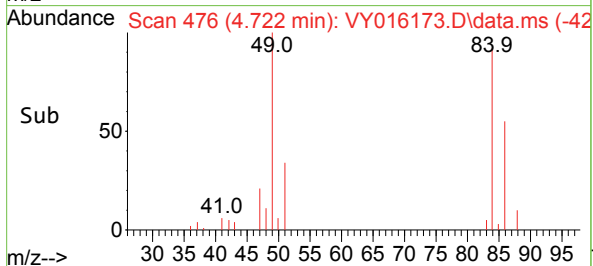
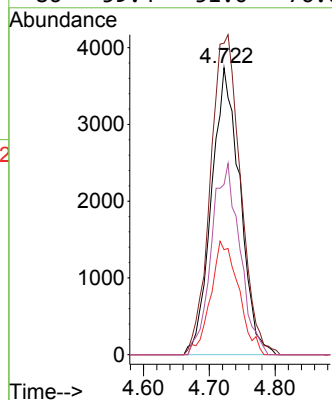


#20
Methylene Chloride
Concen: 5.821 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :

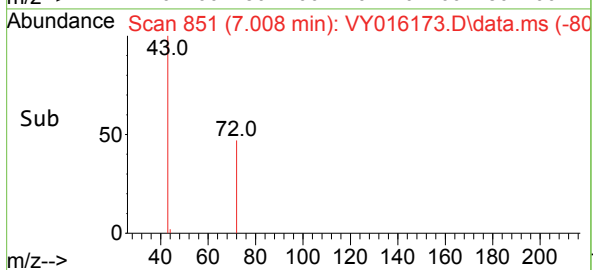
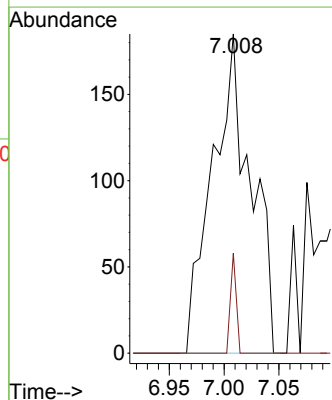
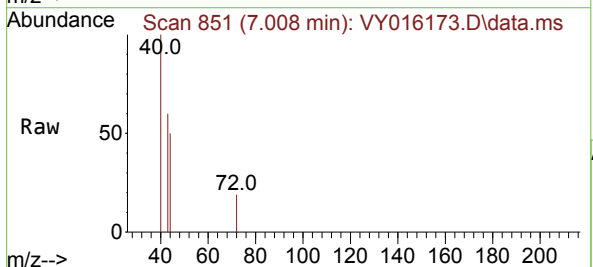


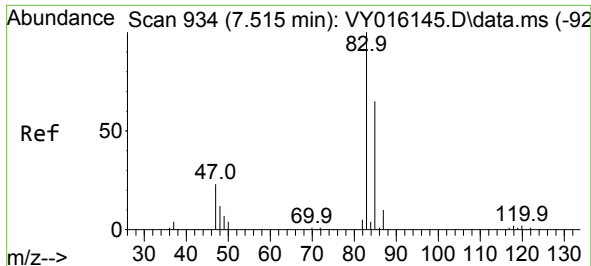
Tgt Ion: 84	Resp: 11225
Ion Ratio	Lower Upper
84 100	
49 108.6	106.9 160.3
51 36.6	33.2 49.8
86 59.4	51.0 76.6



#25
2-Butanone
Concen: 1.264 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 43	Resp: 452		
Ion Ratio	Lower	Upper	
43 100			
72 31.4	20.5	30.7#	

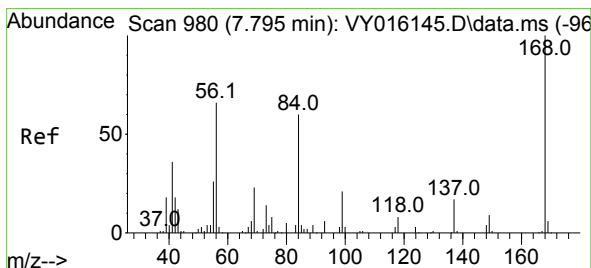
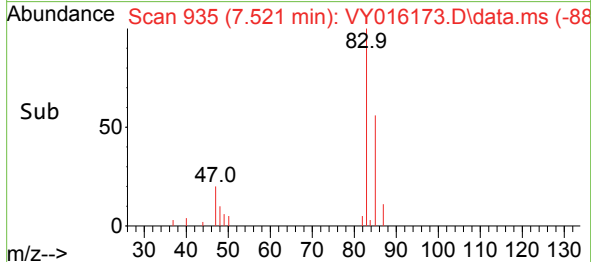
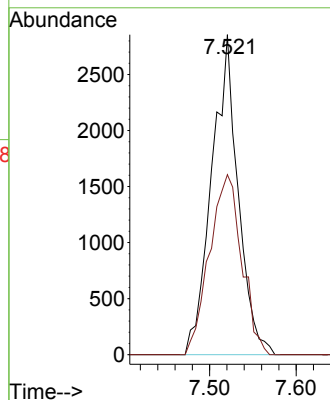
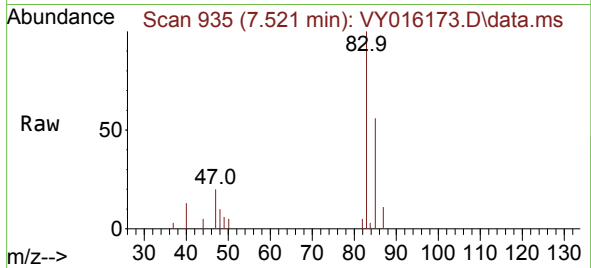




#30
Chloroform
Concen: 2.452 ug/l
RT: 7.521 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

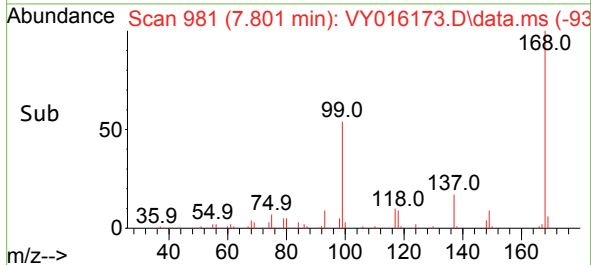
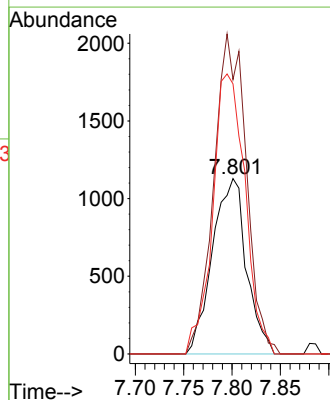
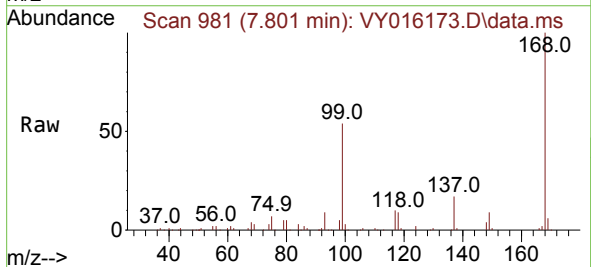
Instrument :
MSVOA_Y
ClientSampleId :

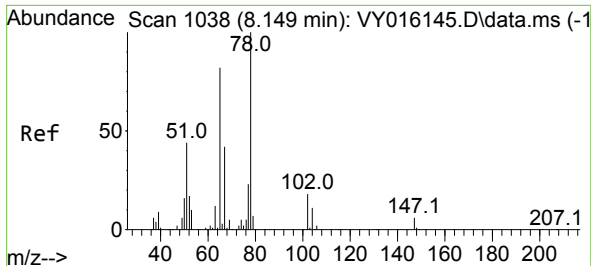
Tgt Ion: 83 Resp: 6059
Ion Ratio Lower Upper
83 100
85 56.3 49.7 74.5



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 56 Resp: 2762
Ion Ratio Lower Upper
56 100
69 156.4 27.8 41.6#
84 154.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.605 ug/l

RT: 8.155 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

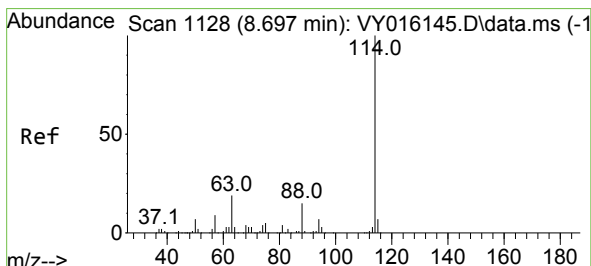
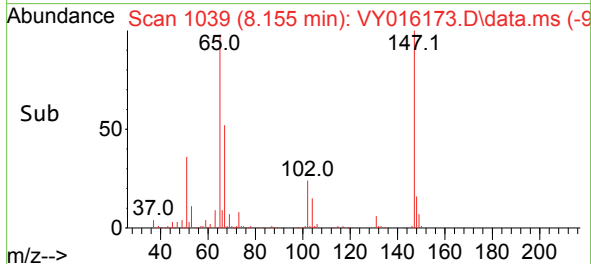
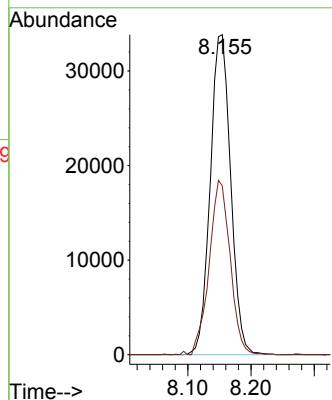
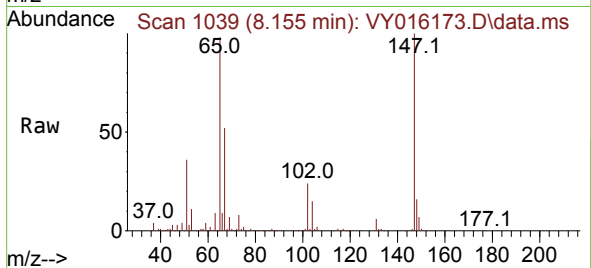
ClientSampleId :

Tgt Ion: 65 Resp: 75980

Ion Ratio Lower Upper

65 100

67 56.0 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: VY016173.D

Acq: 01 Nov 2023 17:00

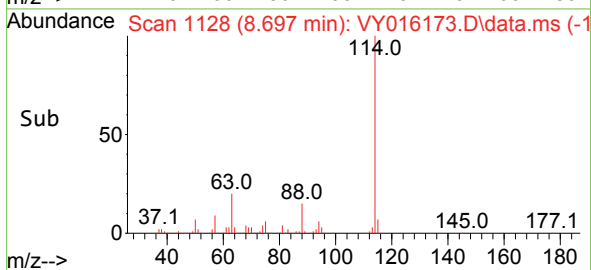
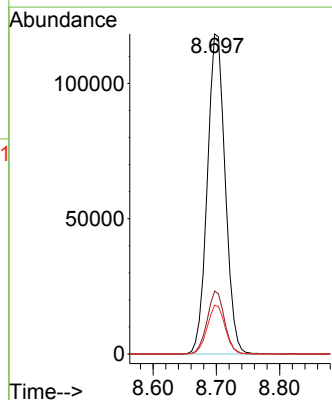
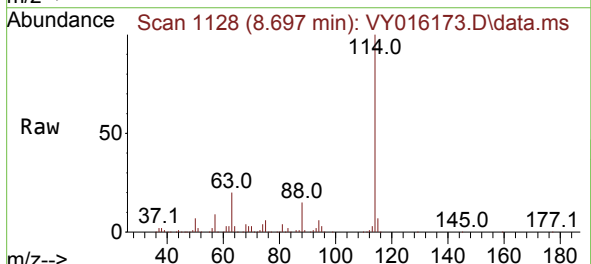
Tgt Ion: 114 Resp: 232756

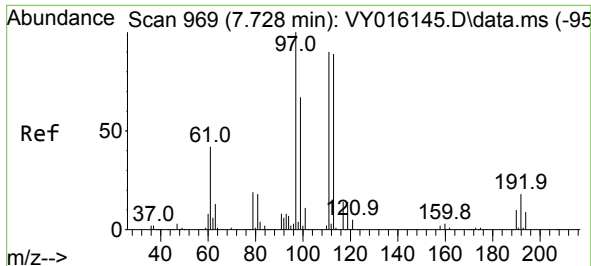
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

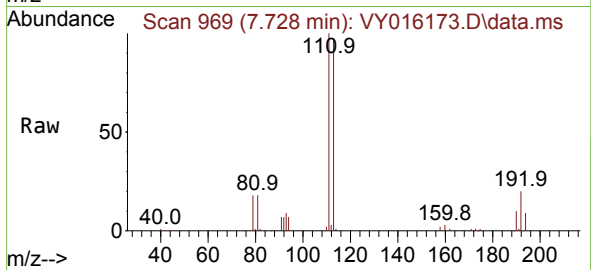
88 15.2 0.0 30.6



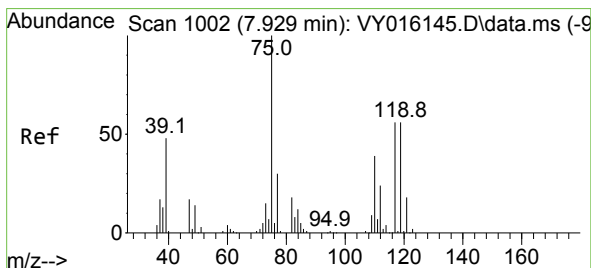
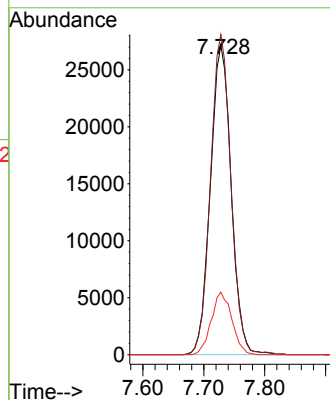
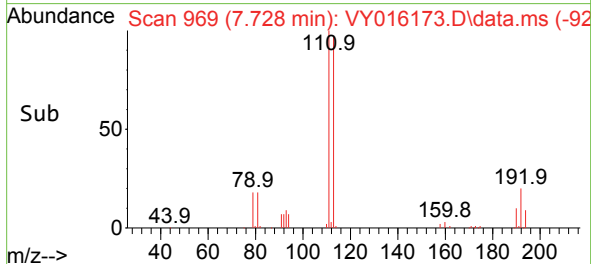


#35
Dibromofluoromethane
Concen: 46.456 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :

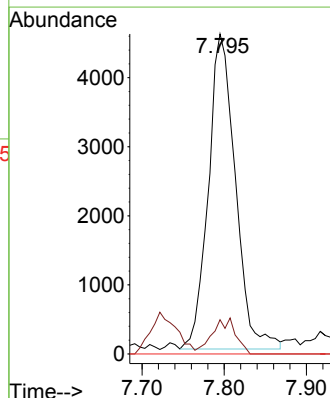
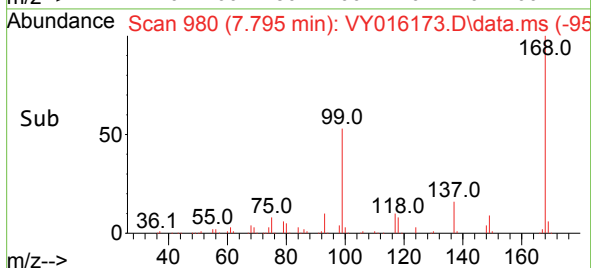
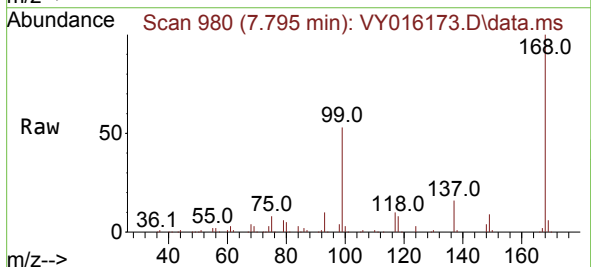


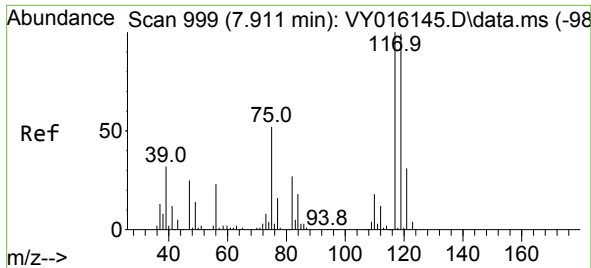
Tgt Ion:113 Resp: 64464
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.218 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

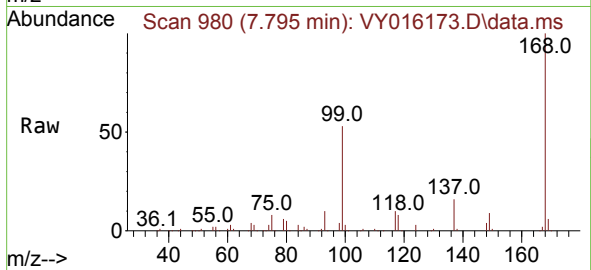
Tgt Ion: 75 Resp: 10455
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



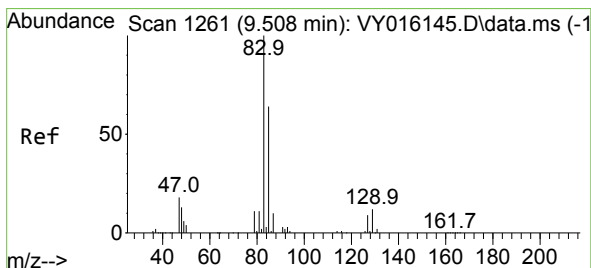
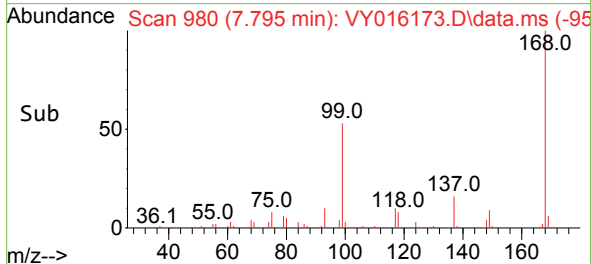
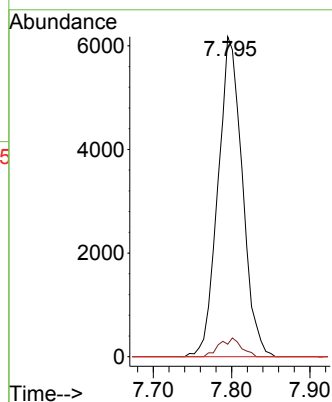


#38
Carbon Tetrachloride
Concen: 6.711 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Instrument :
MSVOA_Y
ClientSampleId :

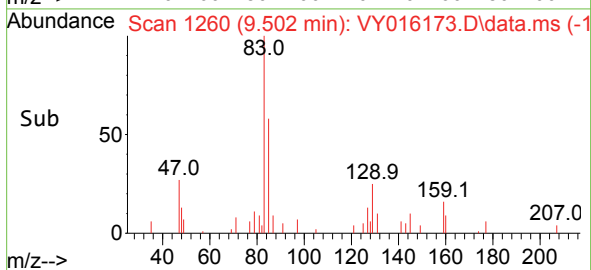
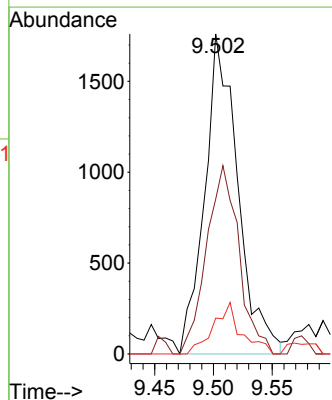
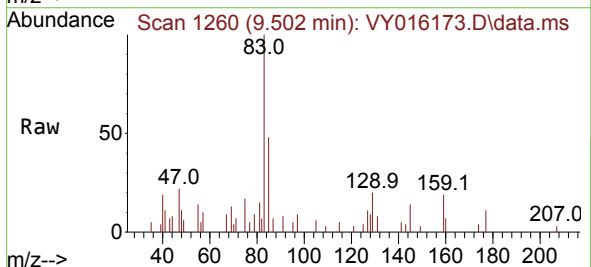


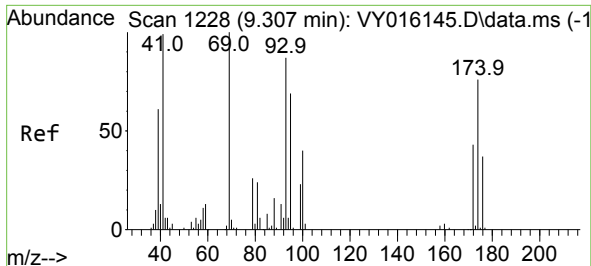
Tgt Ion:117 Resp: 13323
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#



#47
Bromodichloromethane
Concen: 1.731 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 83 Resp: 3453
Ion Ratio Lower Upper
83 100
85 48.4 50.1 75.1#
127 11.2 7.1 10.7#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.307 min Scan# 11

Delta R.T. -0.000 min

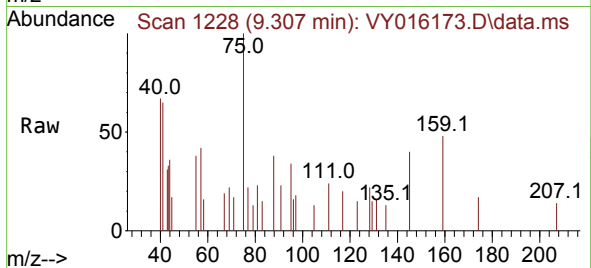
Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

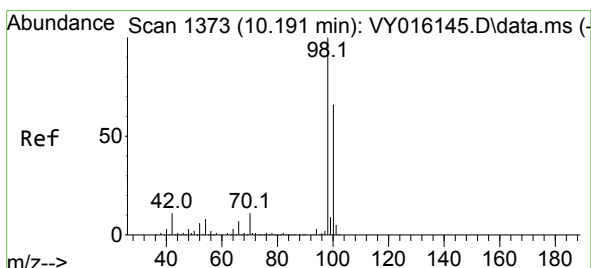
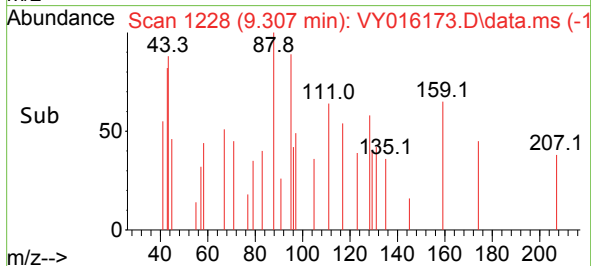
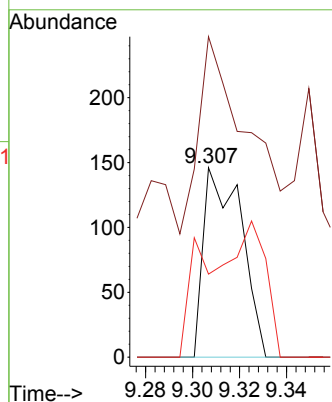
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	88	Resp:	163
Ion	Ratio	Lower	Upper
88	100		
43	129.4	0.0	0.0#
58	108.6	30.9	46.3#



#50

Toluene-d8

Concen: 50.786 ug/l

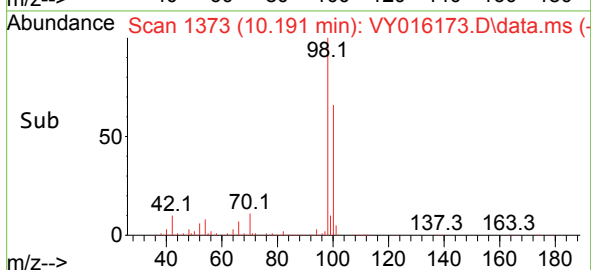
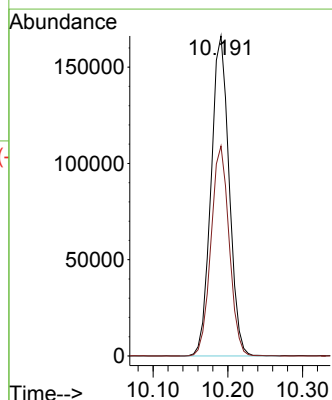
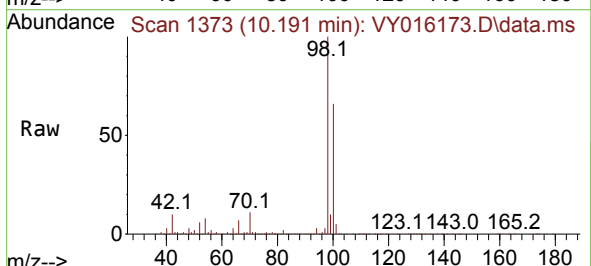
RT: 10.191 min Scan# 1373

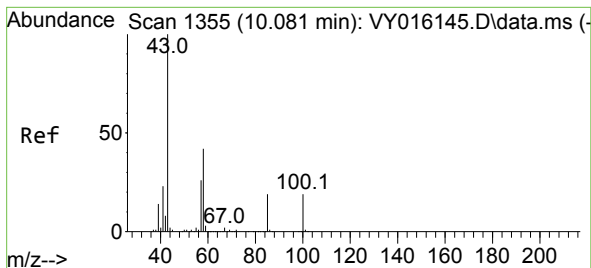
Delta R.T. -0.000 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Tgt Ion:	98	Resp:	279405
Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.1	75.1

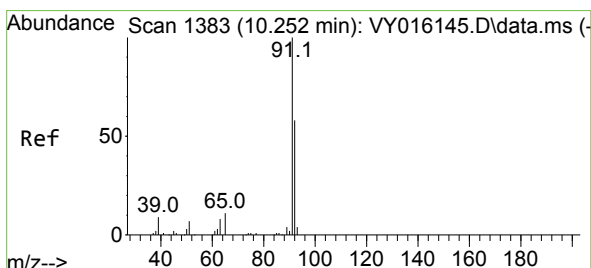
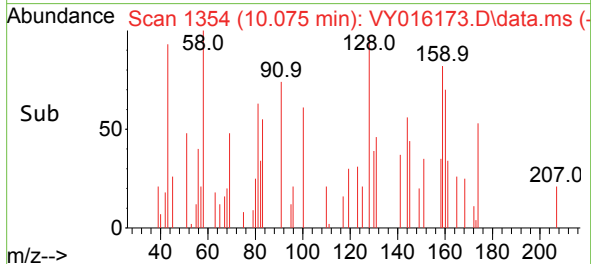
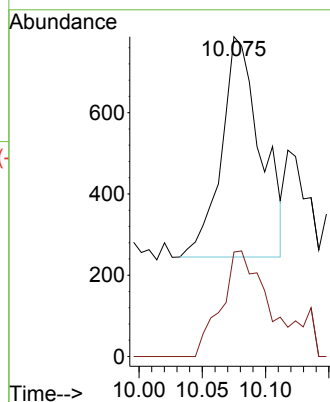
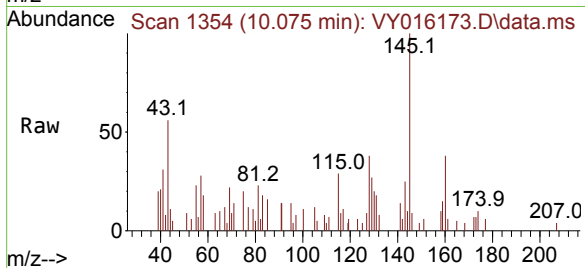




#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

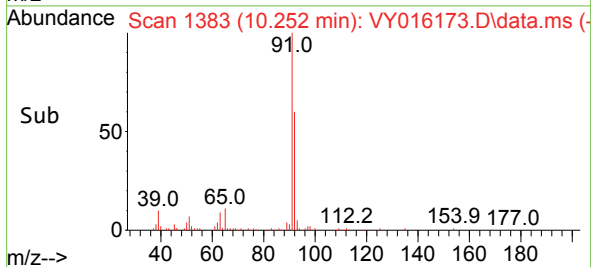
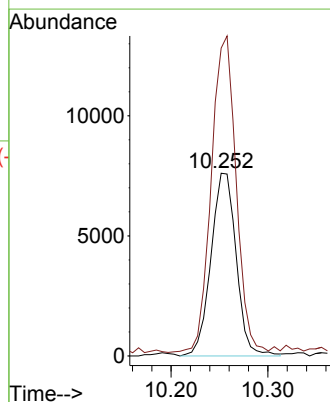
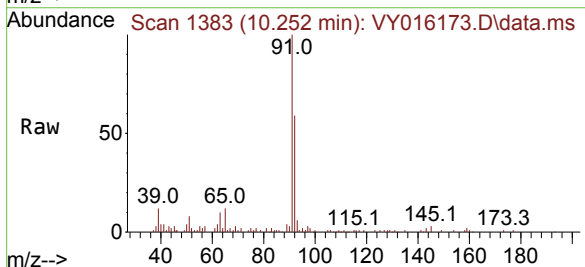
Instrument :
MSVOA_Y
ClientSampleId :

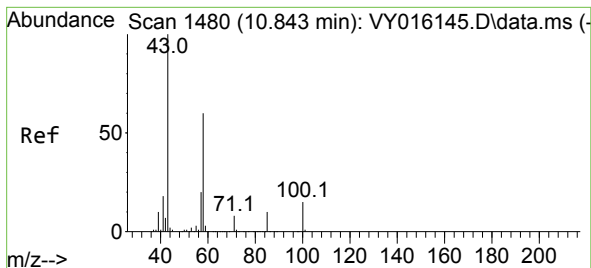
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 54.6 29.0 43.6#



#52
Toluene
Concen: 3.707 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 92 Resp: 13817
Ion Ratio Lower Upper
92 100
91 169.3 143.8 215.6

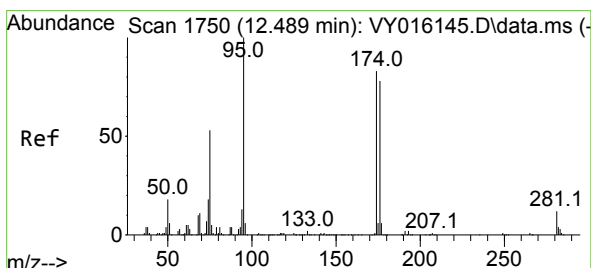
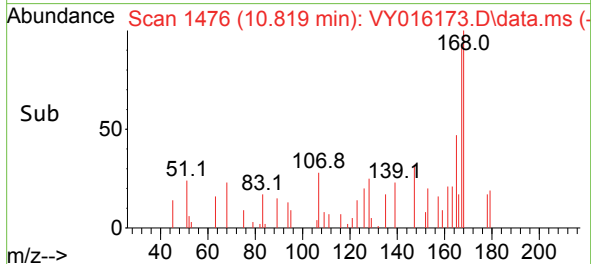
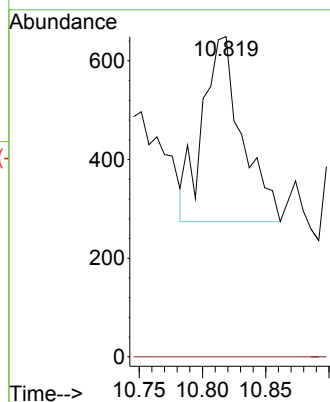
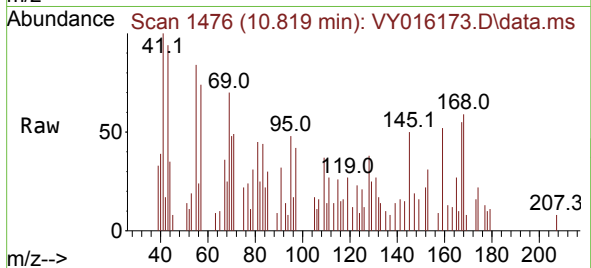




#59
2-Hexanone
Concen: 1.347 ug/l
RT: 10.819 min Scan# 1480
Delta R.T. -0.025 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

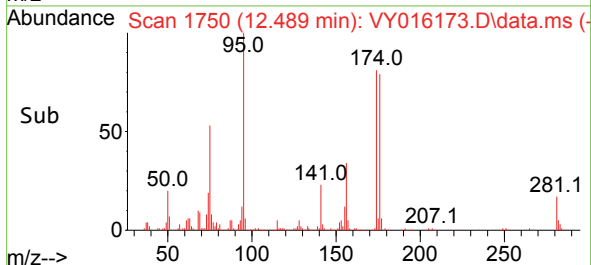
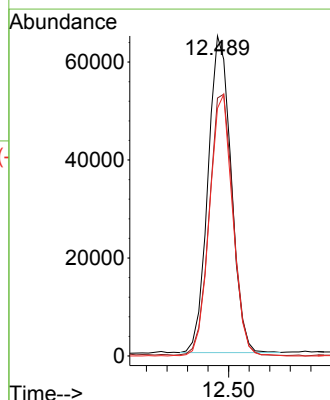
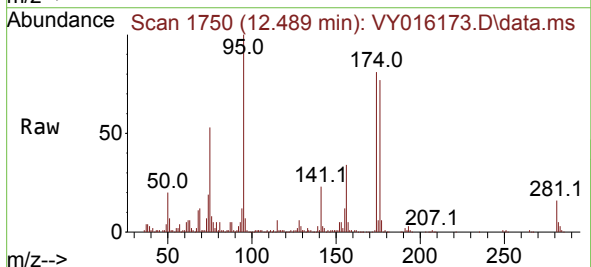
Instrument :
MSVOA_Y
ClientSampleId :

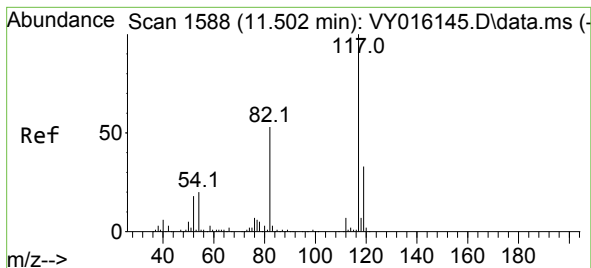
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 53.642 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion: 95 Resp: 100915
Ion Ratio Lower Upper
95 100
174 85.2 0.0 178.2
176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

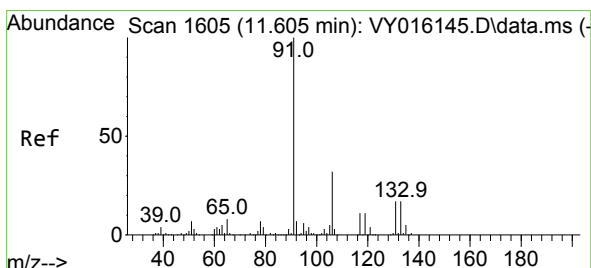
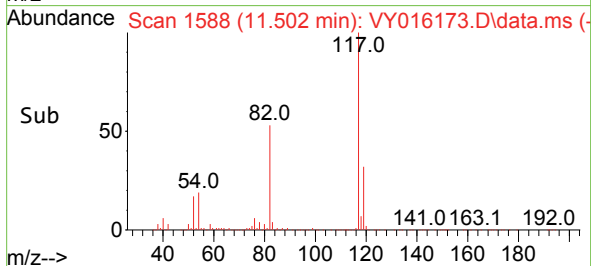
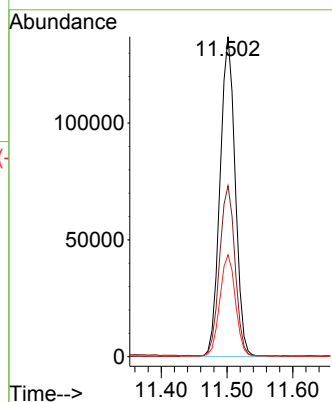
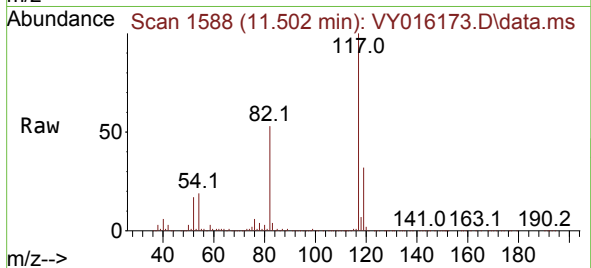
Tgt Ion:117 Resp: 219870

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

119 31.7 26.3 39.5



#67

Ethyl Benzene

Concen: 2.862 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. -0.000 min

Lab File: VY016173.D

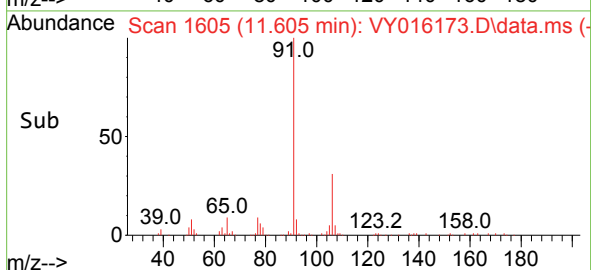
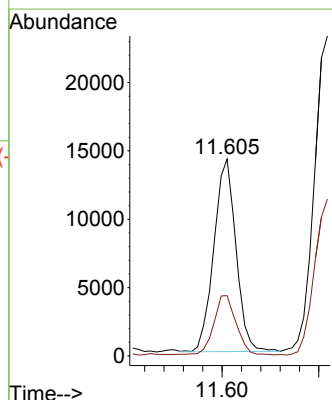
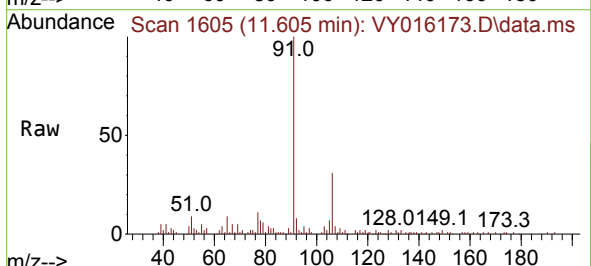
Acq: 01 Nov 2023 17:00

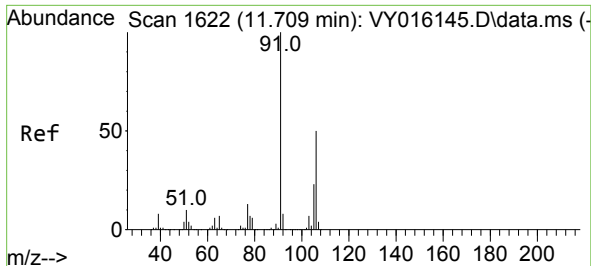
Tgt Ion: 91 Resp: 22359

Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8

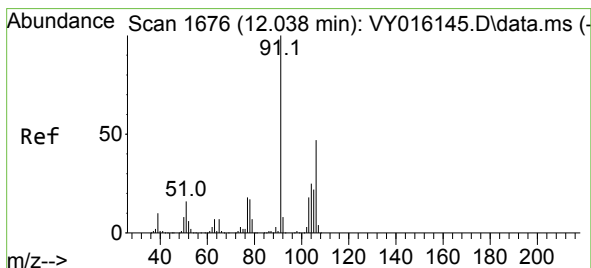
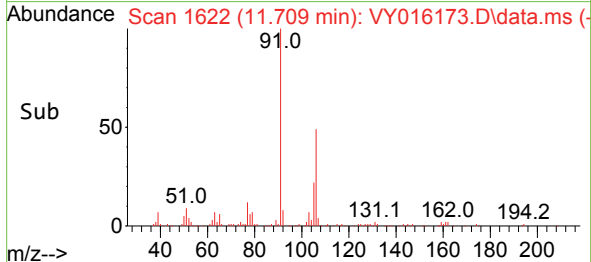
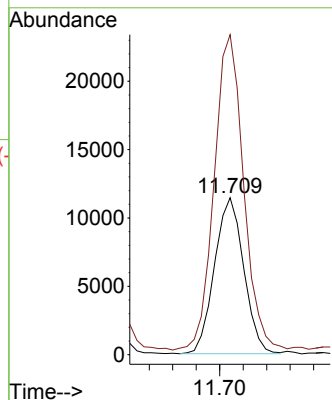
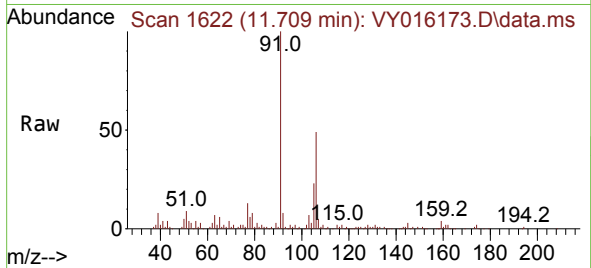




#68
m/p-Xylenes
Concen: 6.531 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

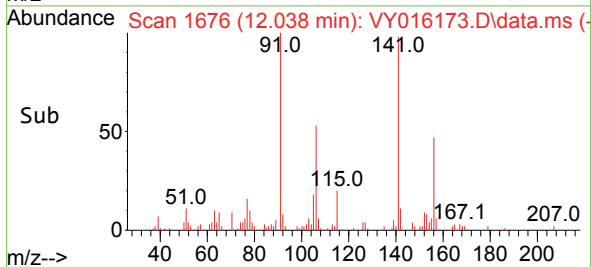
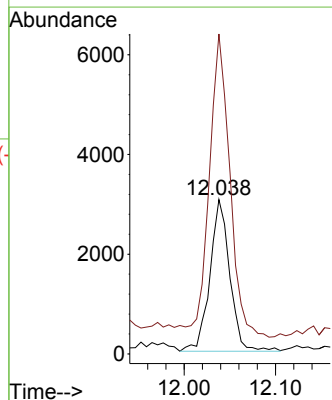
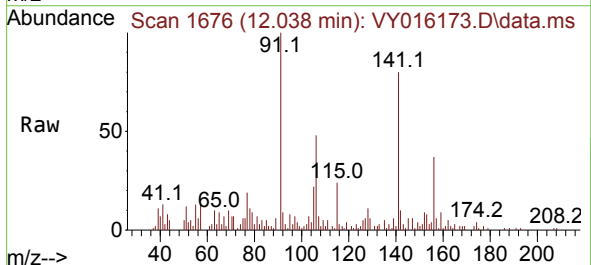
Instrument :
MSVOA_Y
ClientSampleId :

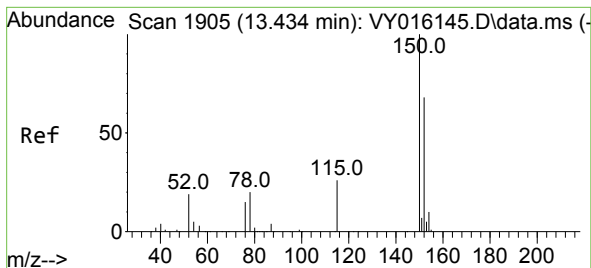
Tgt Ion:106 Resp: 19718
Ion Ratio Lower Upper
106 100
91 203.8 166.1 249.1



#69
o-Xylene
Concen: 1.594 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY016173.D
Acq: 01 Nov 2023 17:00

Tgt Ion:106 Resp: 4595
Ion Ratio Lower Upper
106 100
91 206.1 108.1 324.3

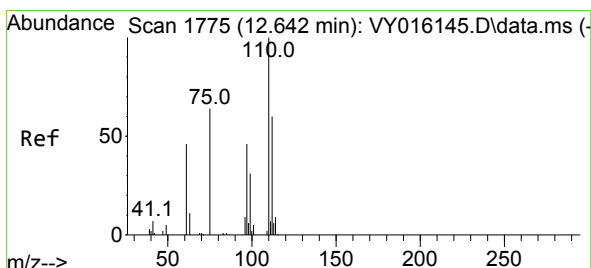
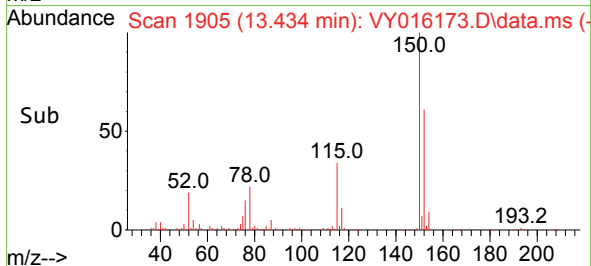
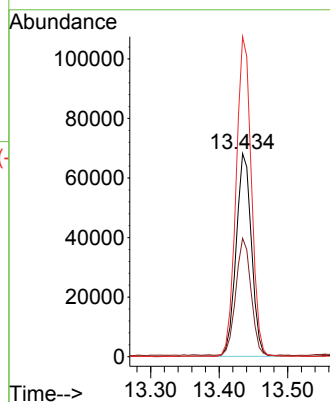
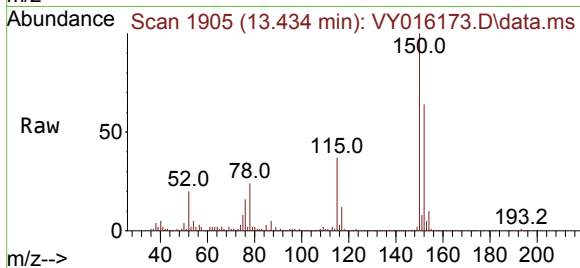




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY016173.D
 Acq: 01 Nov 2023 17:00

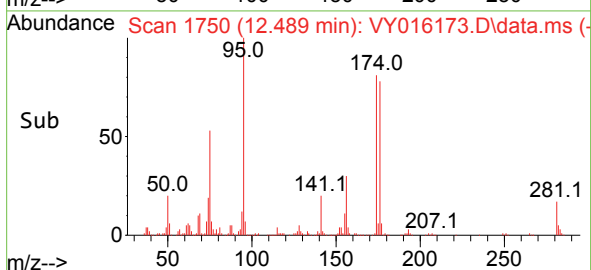
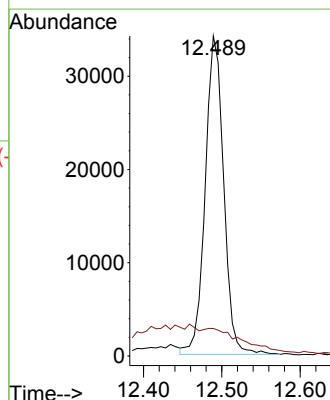
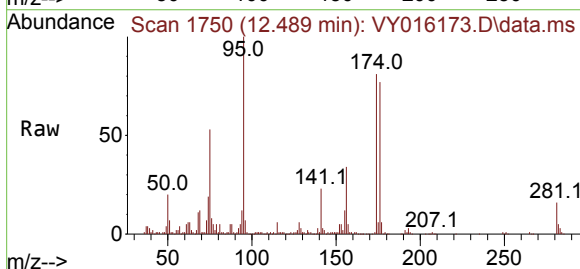
Instrument :
 MSVOA_Y
 ClientSampleId :

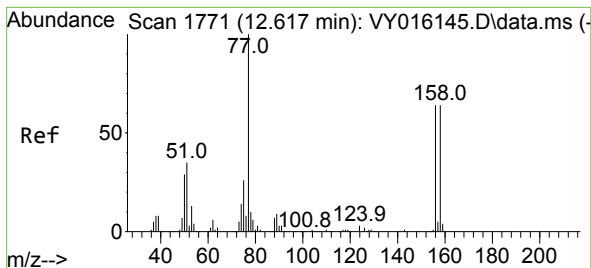
Tgt Ion:152 Resp: 105997
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.8 86.5
 150 157.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 55.965 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.153 min
 Lab File: VY016173.D
 Acq: 01 Nov 2023 17:00

Tgt Ion: 75 Resp: 55863
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 125.491 ug/l

RT: 12.440 min Scan# 1

Delta R.T. -0.177 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

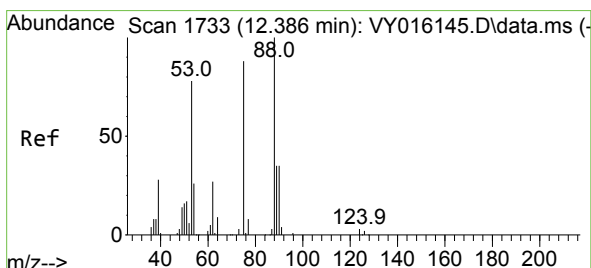
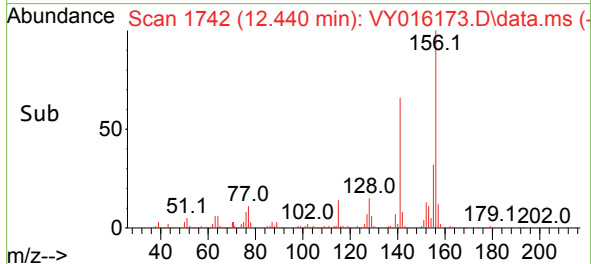
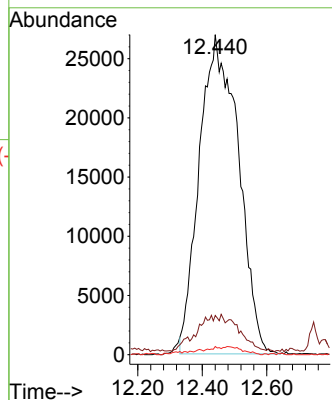
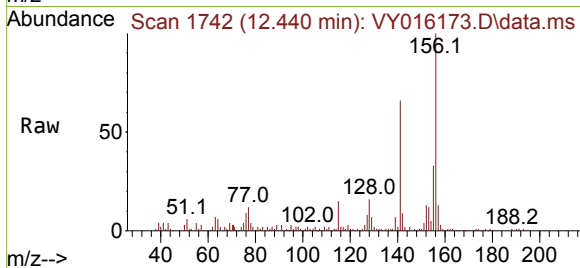
Tgt Ion:156 Resp: 225933

Ion Ratio Lower Upper

156 100

77 2.5 92.8 278.6#

158 0.3 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 7.724 ug/l

RT: 12.434 min Scan# 1741

Delta R.T. 0.049 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

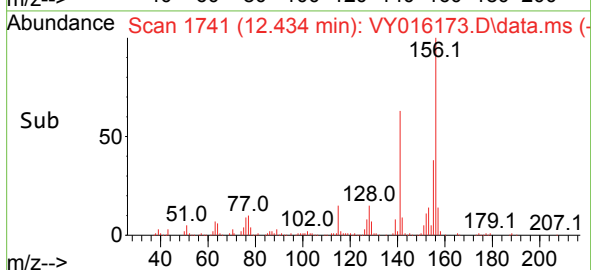
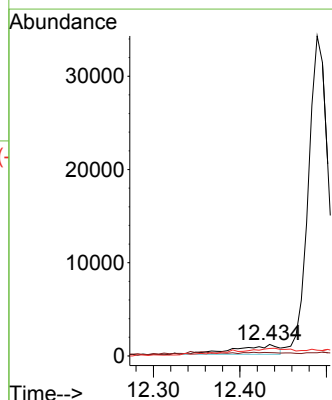
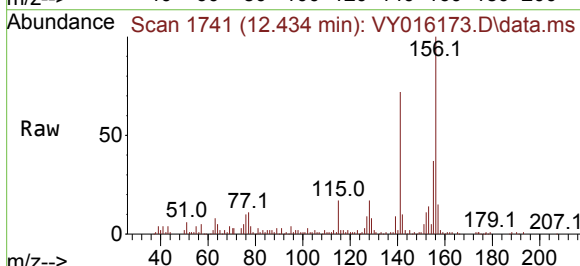
Tgt Ion: 75 Resp: 3556

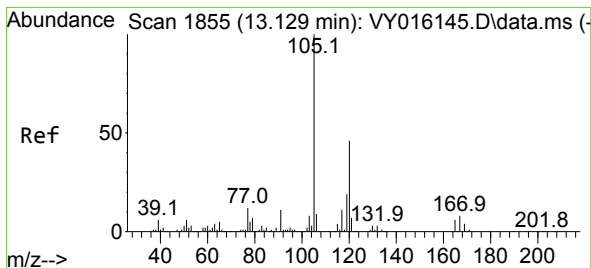
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 24.3 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.389 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

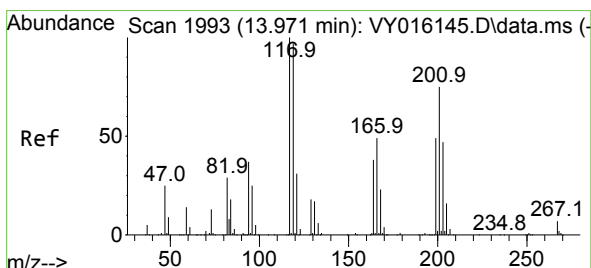
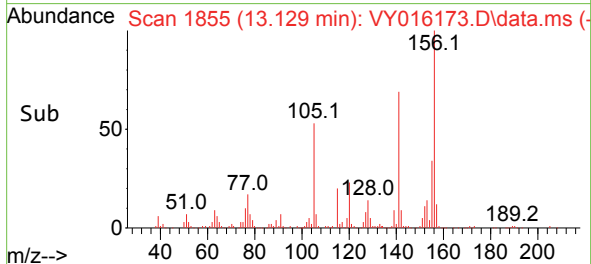
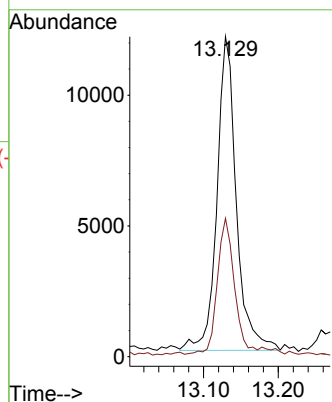
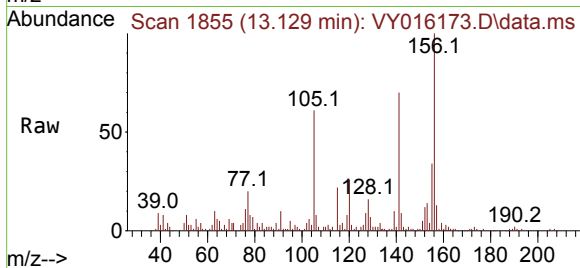
ClientSampleId :

Tgt Ion:105 Resp: 21599

Ion Ratio Lower Upper

105 100

120 38.2 22.2 66.6



#90

Hexachloroethane

Concen: 2.110 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.012 min

Lab File: VY016173.D

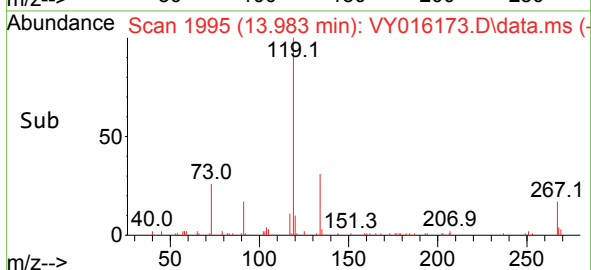
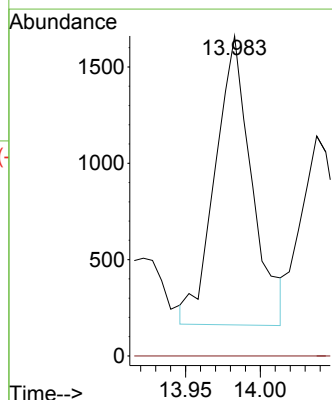
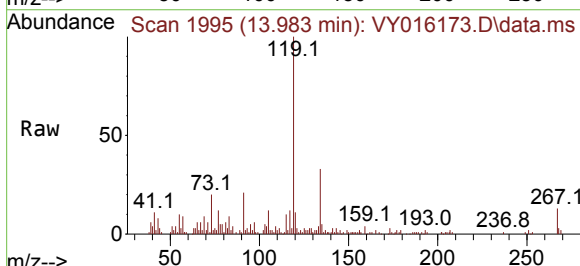
Acq: 01 Nov 2023 17:00

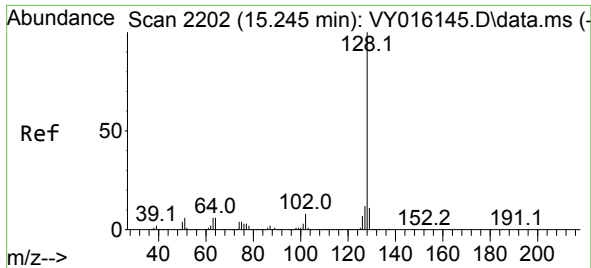
Tgt Ion:117 Resp: 2550

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#





#95

Naphthalene

Concen: 6.842 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

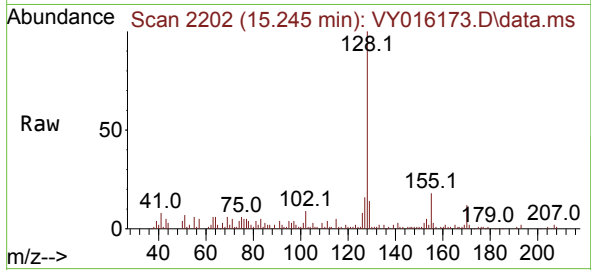
Lab File: VY016173.D

Acq: 01 Nov 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 25238

Ion Ratio Lower Upper

128 100

127 15.1 10.8 16.2

129 11.3 8.6 13.0

