

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016192.D
 Acq On : 02 Nov 2023 15:58
 Operator : SY/MD
 Sample : 05220-04
 Misc : 3.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 01:42:09 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)

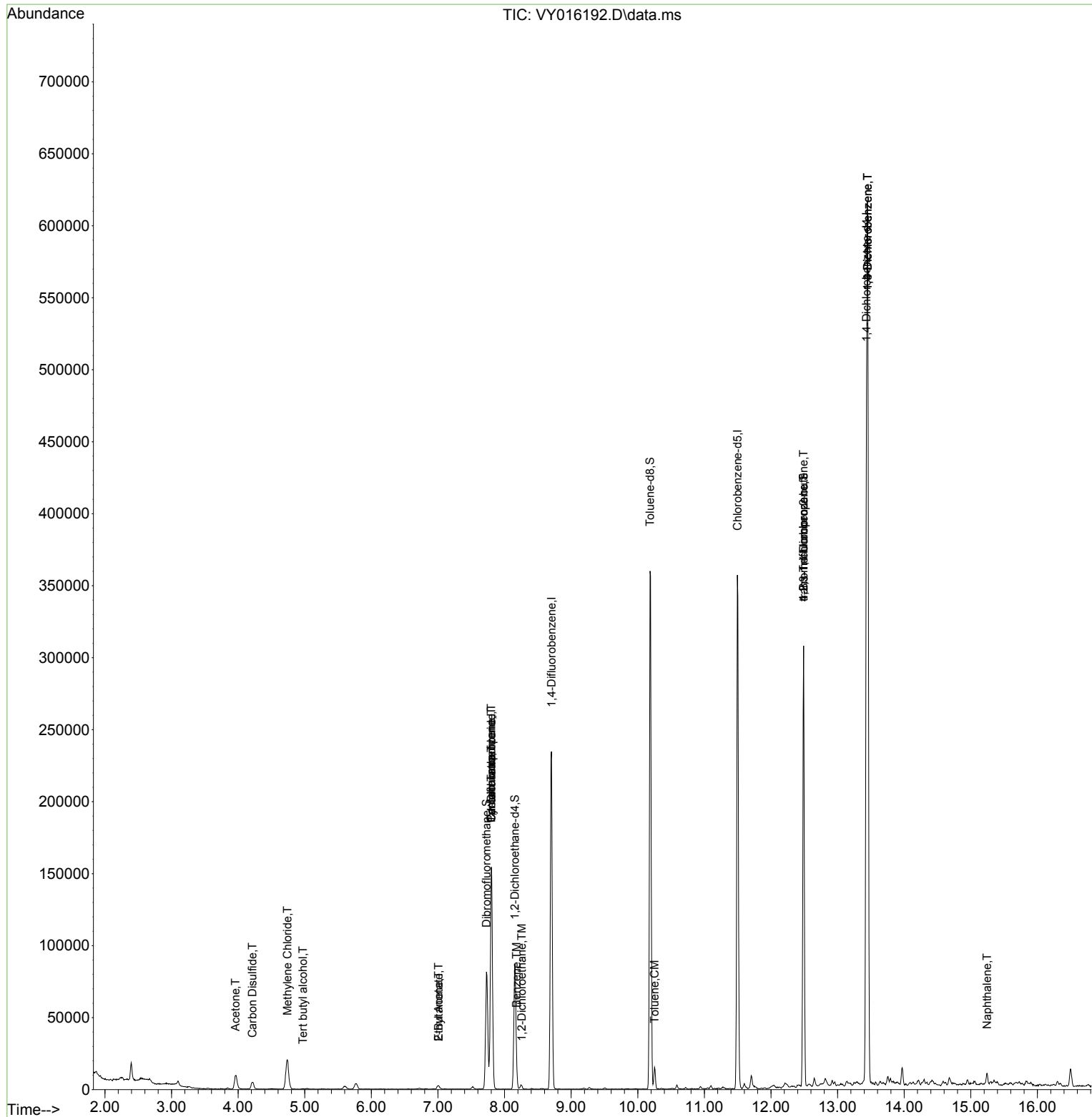
Internal Standards						
1) Pentafluorobenzene	7.801	168	120122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	205719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	198311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	66951	59.564	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.120%
35) Dibromofluoromethane	7.728	113	56900	46.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.780%
50) Toluene-d8	10.185	98	240021	49.361	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.489	95	89450	53.797	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.973	59	175	2.084	ug/l #	89
13) Acrolein	3.735	56	129	Below Cal	#	63
16) Acetone	3.961	43	18008	87.999	ug/l	98
17) Carbon Disulfide	4.217	76	10383	4.375	ug/l	99
20) Methylene Chloride	4.741	84	16212	11.857	ug/l	88
25) 2-Butanone	7.009	43	4457	14.372	ug/l	91
31) Cyclohexane	7.801	56	2407	1.393	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9250	5.223	ug/l #	49
37) Ethyl Acetate	7.009	43	4457	5.650	ug/l #	71
38) Carbon Tetrachloride	7.801	117	11443	6.522	ug/l #	15
40) Benzene	8.179	78	6080	1.196	ug/l	98
42) 1,2-Dichloroethane	8.259	62	2538	1.789	ug/l	99
49) 1,4-Dioxane	9.319	88	43	Below Cal	#	87
52) Toluene	10.252	92	6246	1.896	ug/l	95
76) 1,2,3-Trichloropropane	12.489	75	46085	51.668	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	46085	112.029	ug/l #	10
87) 1,3-Dichlorobenzene	13.453	146	220449	69.287	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	220449	70.102	ug/l	100
95) Naphthalene	15.245	128	6240	1.893	ug/l #	91

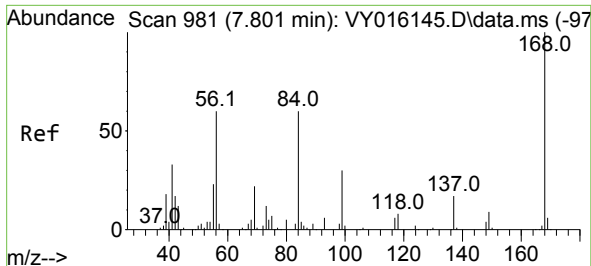
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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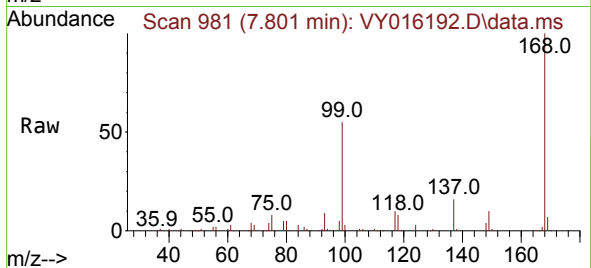
Quant Time: Nov 03 01:42:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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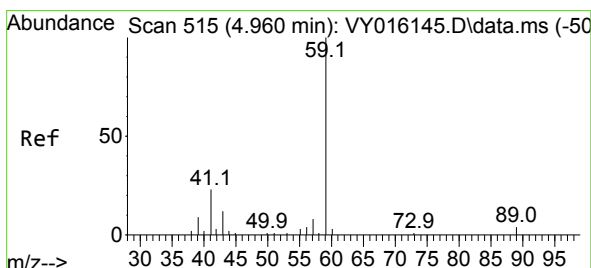
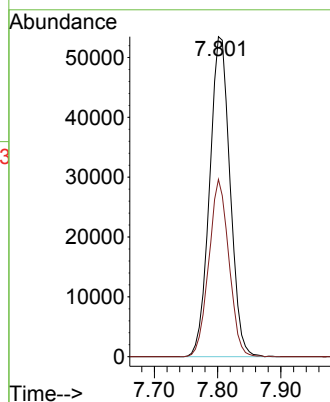
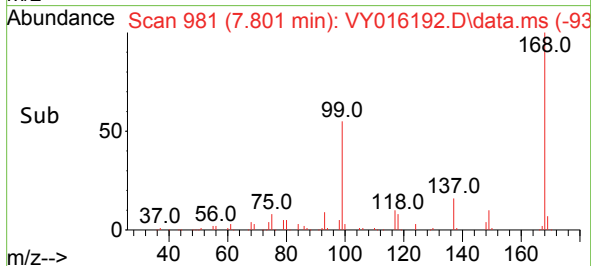


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Instrument :
MSVOA_Y
ClientSampleId :

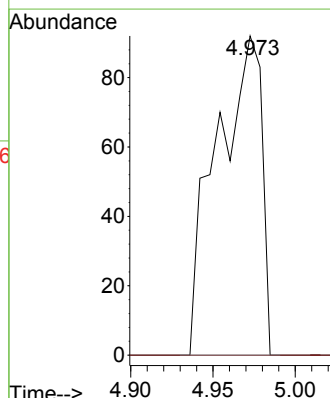
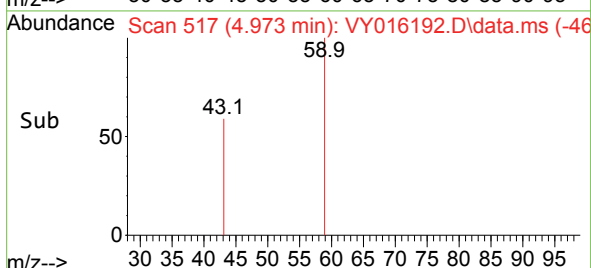
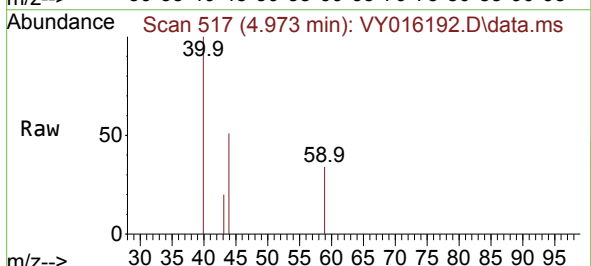


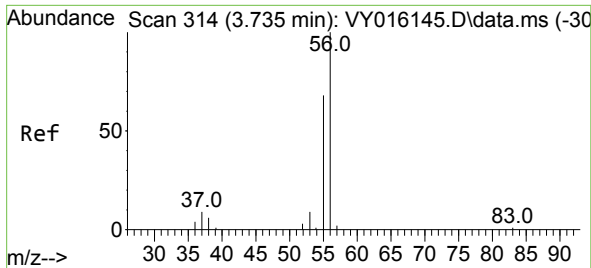
Tgt Ion:168 Resp: 120122
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.084 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

Instrument :

MSVOA_Y

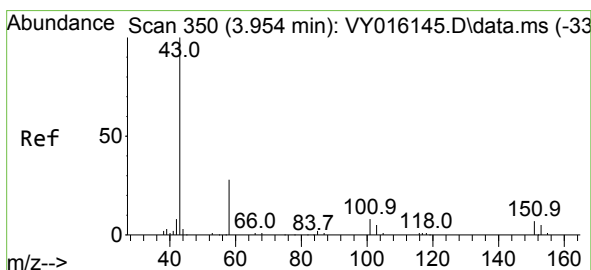
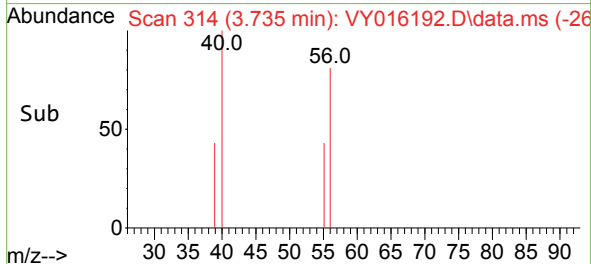
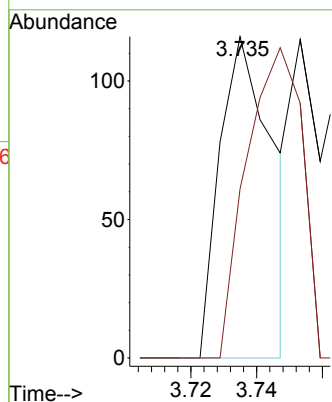
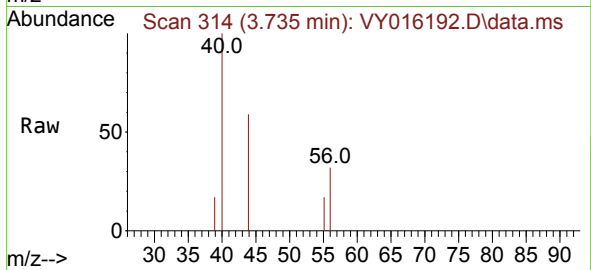
ClientSampleId :

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 101.6 57.0 85.4#



#16

Acetone

Concen: 87.999 ug/l

RT: 3.961 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY016192.D

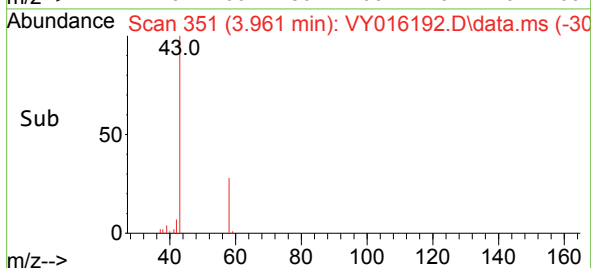
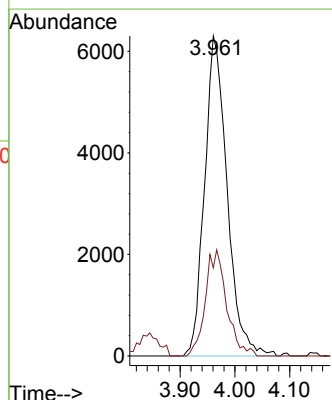
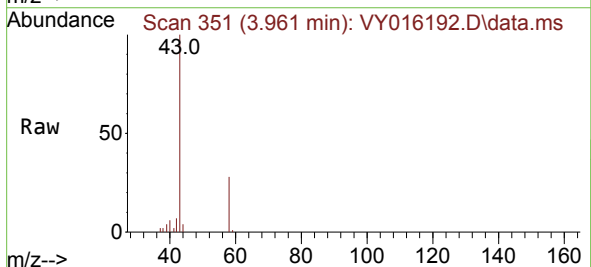
Acq: 02 Nov 2023 15:58

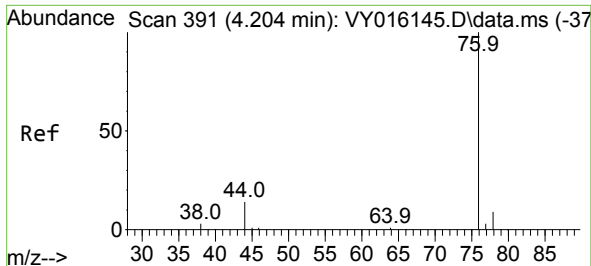
Tgt Ion: 43 Resp: 18008

Ion Ratio Lower Upper

43 100

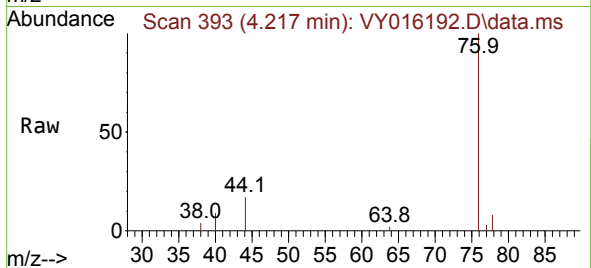
58 27.6 22.7 34.1



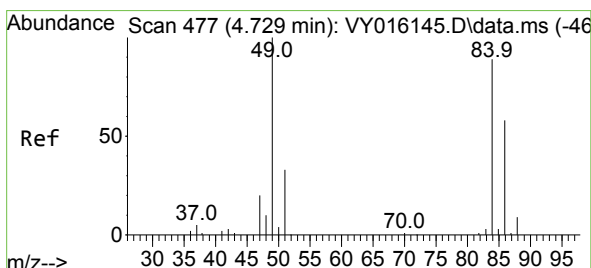
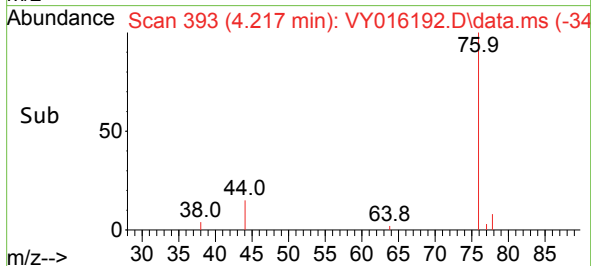
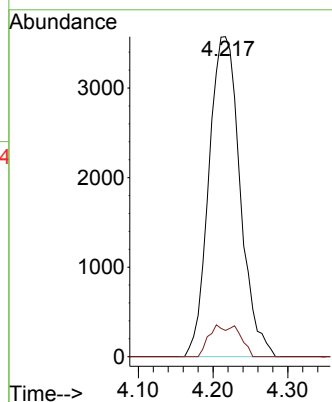


#17
Carbon Disulfide
Concen: 4.375 ug/l
RT: 4.217 min Scan# 391
Delta R.T. 0.013 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Instrument :
MSVOA_Y
ClientSampleId :

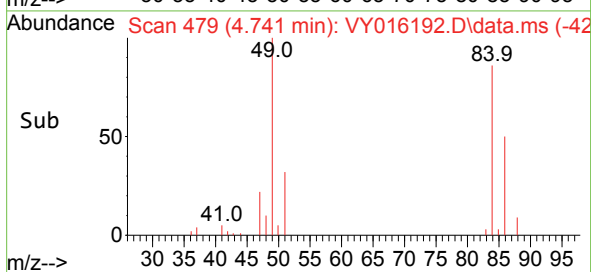
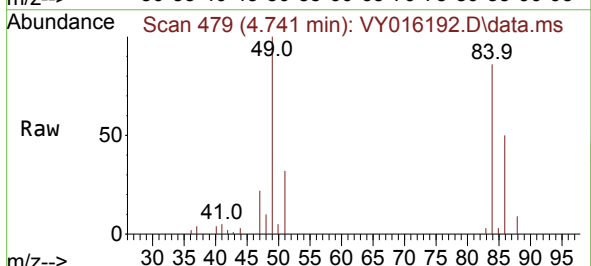
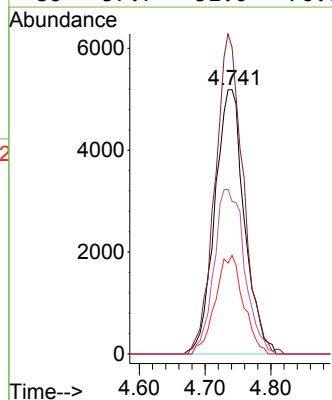


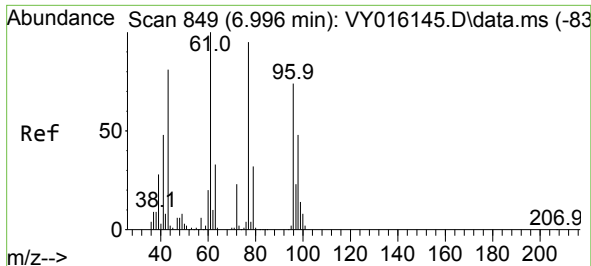
Tgt Ion: 76 Resp: 10383
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4



#20
Methylene Chloride
Concen: 11.857 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion: 84 Resp: 16212
Ion Ratio Lower Upper
84 100
49 116.0 106.9 160.3
51 37.3 33.2 49.8
86 57.7 51.0 76.6





#25

2-Butanone

Concen: 14.372 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.012 min

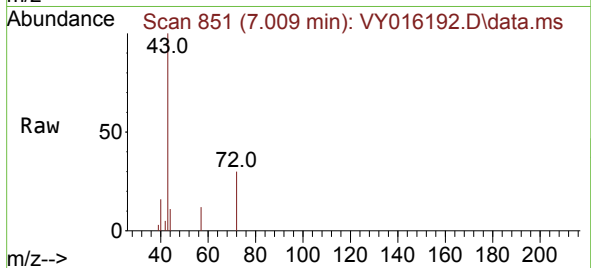
Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

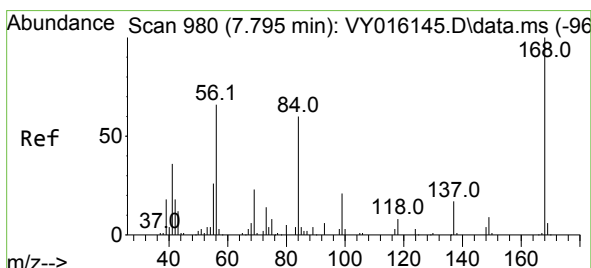
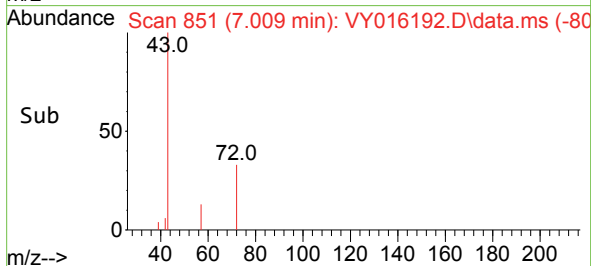
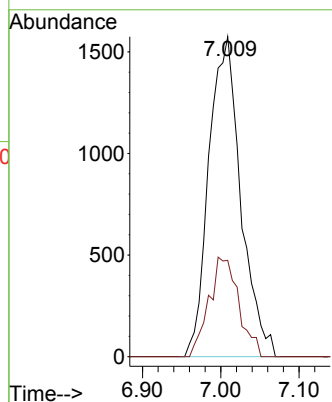


Tgt Ion: 43 Resp: 4457

Ion Ratio Lower Upper

43 100

72 30.1 20.5 30.7



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

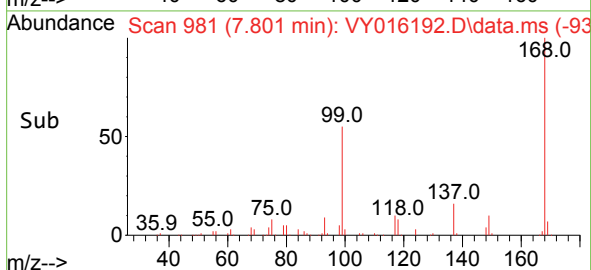
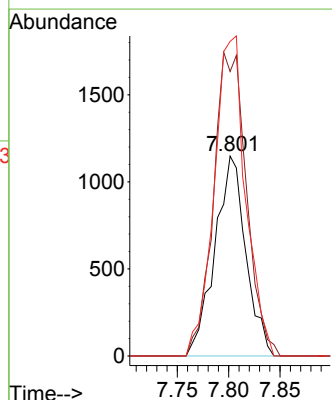
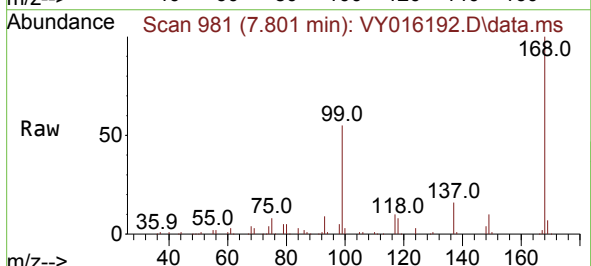
Tgt Ion: 56 Resp: 2407

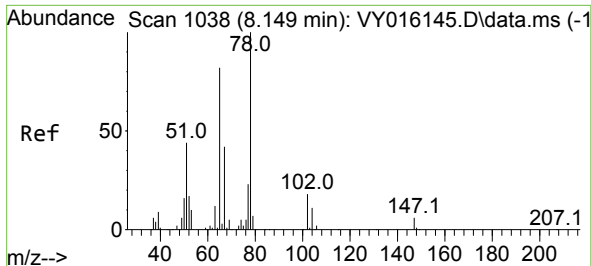
Ion Ratio Lower Upper

56 100

69 142.3 27.8 41.6#

84 157.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.564 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

Instrument :

MSVOA_Y

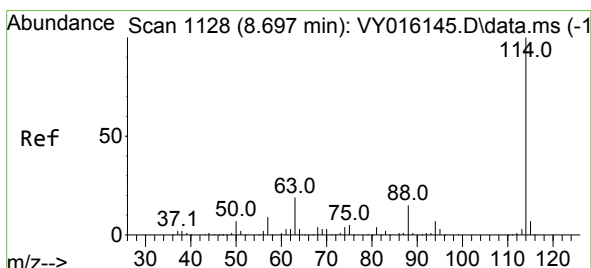
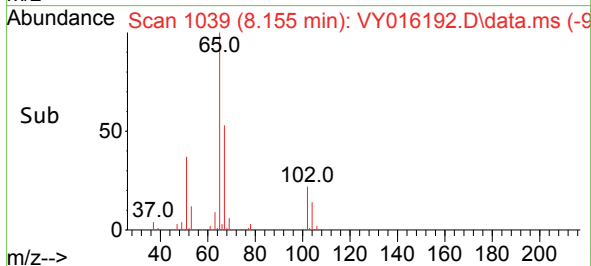
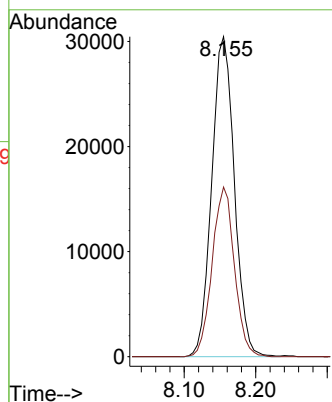
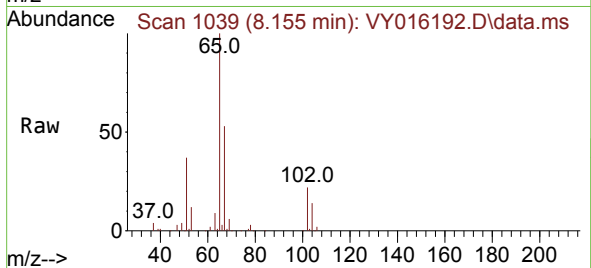
ClientSampleId :

Tgt Ion: 65 Resp: 66951

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

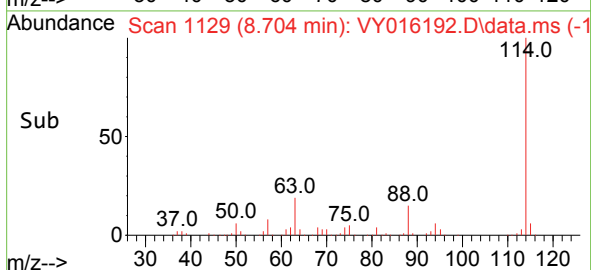
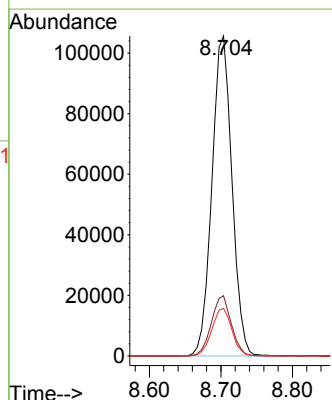
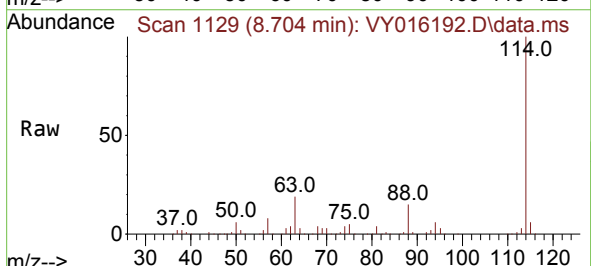
Tgt Ion: 114 Resp: 205719

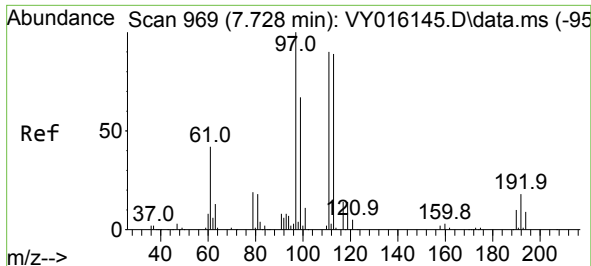
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

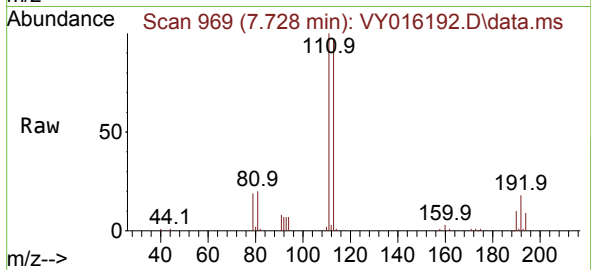
88 14.9 0.0 30.6



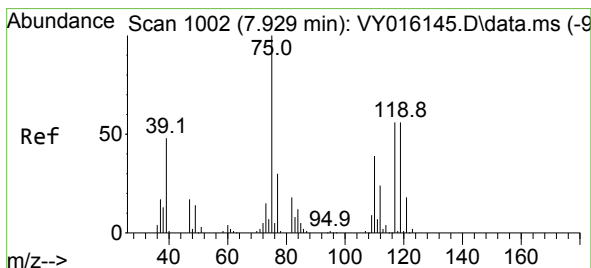
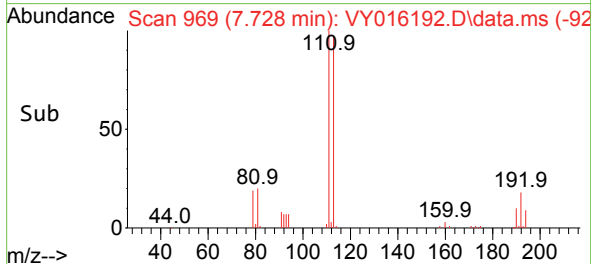
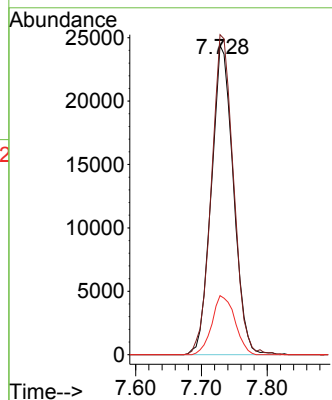


#35
Dibromofluoromethane
Concen: 46.395 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Instrument :
MSVOA_Y
ClientSampleId :

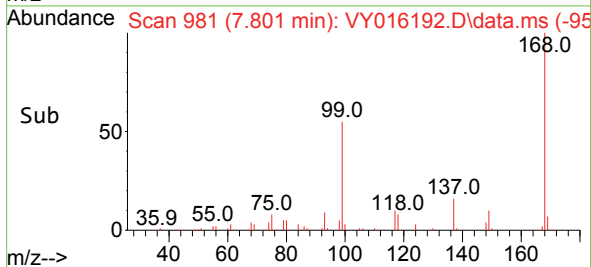
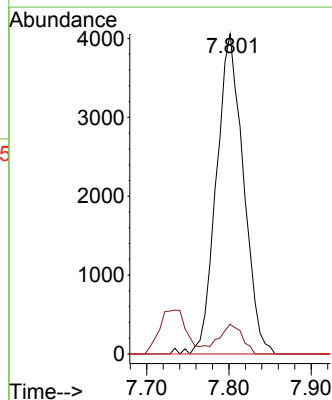
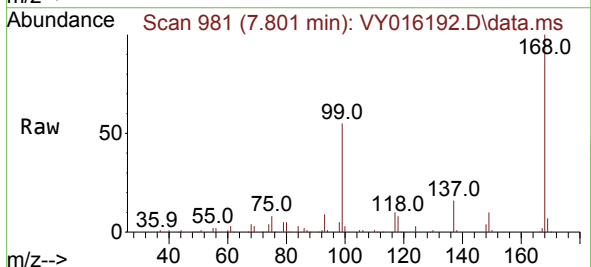


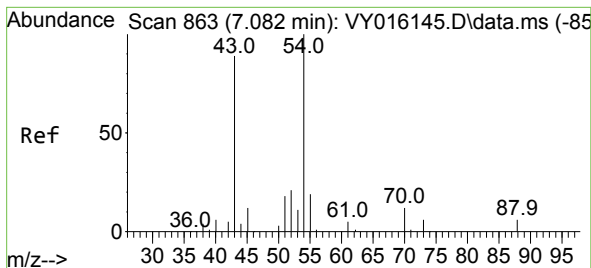
Tgt Ion:113 Resp: 56900
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.223 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion: 75 Resp: 9250
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.650 ug/l

RT: 7.009 min Scan# 81

Delta R.T. -0.073 min

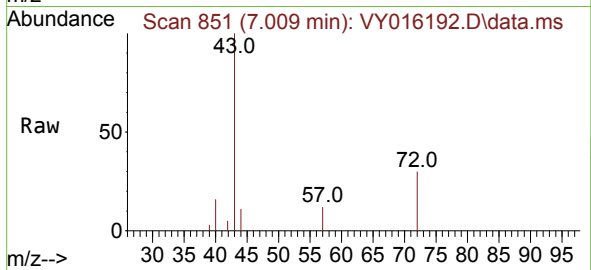
Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :



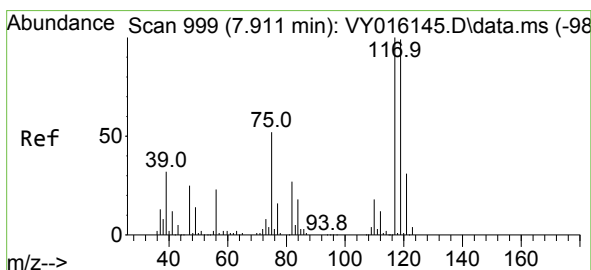
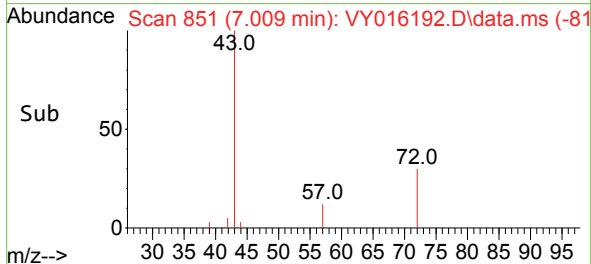
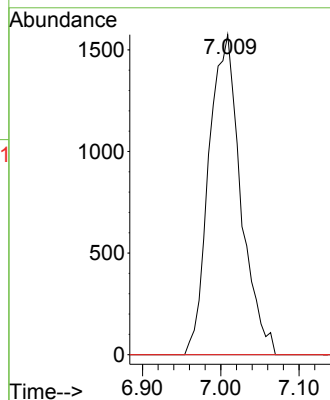
Tgt Ion: 43 Resp: 4457

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

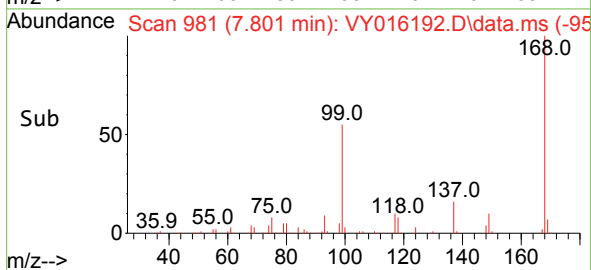
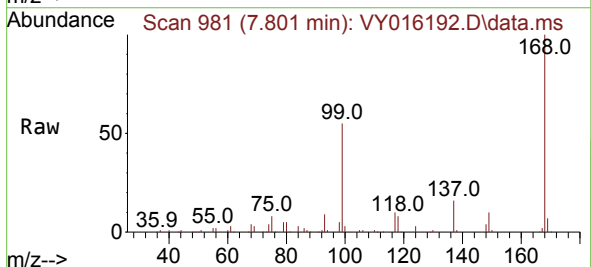
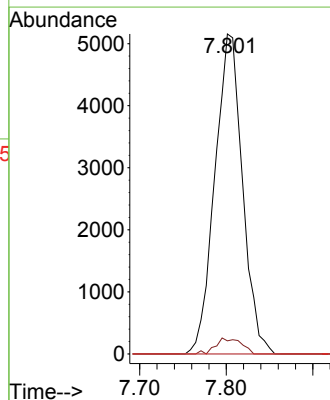
Tgt Ion: 117 Resp: 11443

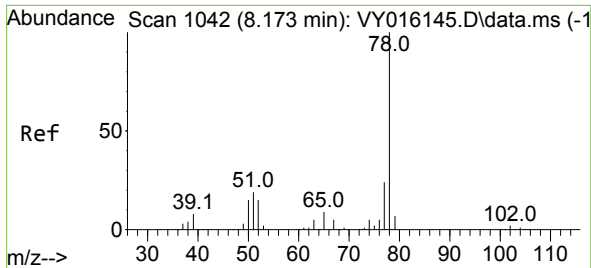
Ion Ratio Lower Upper

117 100

119 4.1 76.4 114.6#

121 0.0 25.8 38.6#

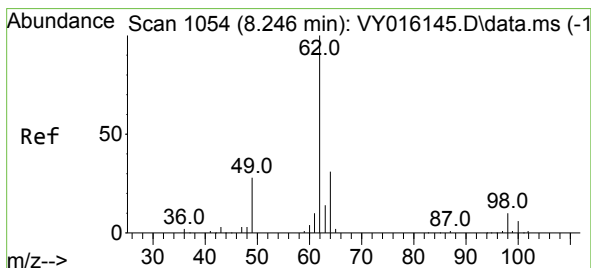
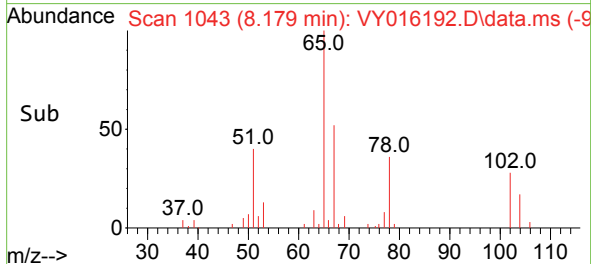
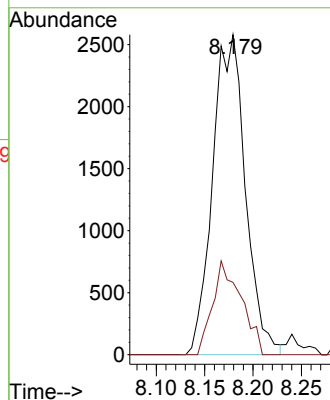
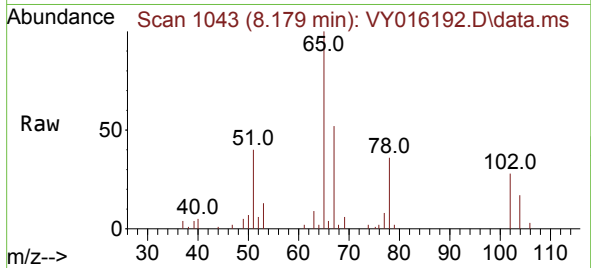




#40
Benzene
Concen: 1.196 ug/l
RT: 8.179 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

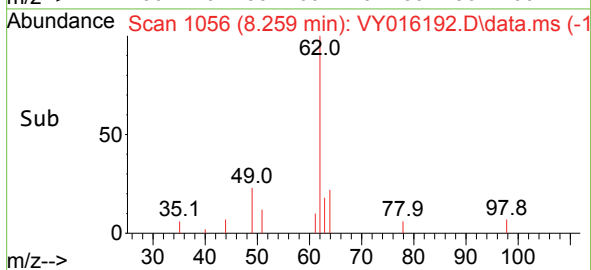
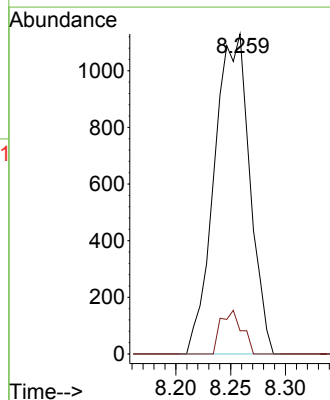
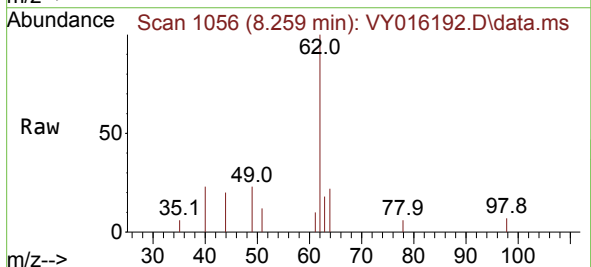
Instrument :
MSVOA_Y
ClientSampleId :

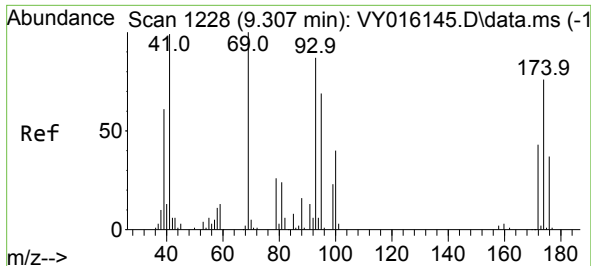
Tgt Ion: 78 Resp: 6080
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6



#42
1,2-Dichloroethane
Concen: 1.789 ug/l
RT: 8.259 min Scan# 1056
Delta R.T. 0.012 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion: 62 Resp: 2538
Ion Ratio Lower Upper
62 100
98 8.2 0.0 15.8





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.319 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

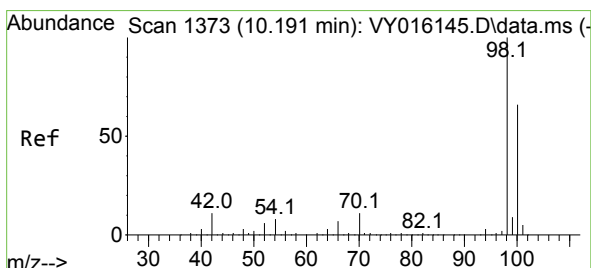
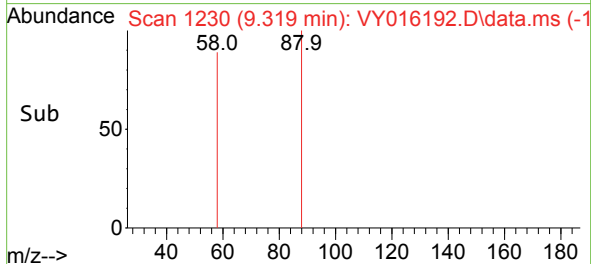
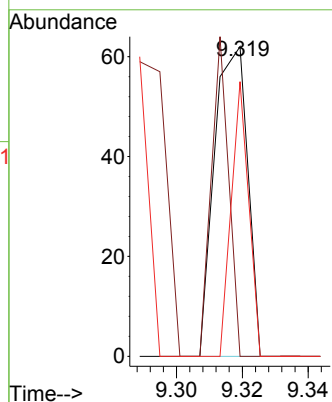
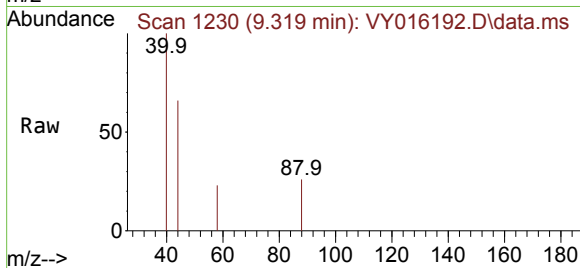
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 53.5 0.0 0.0#

58 46.5 30.9 46.3#



#50

Toluene-d8

Concen: 49.361 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016192.D

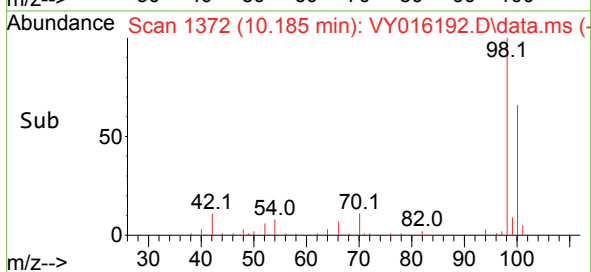
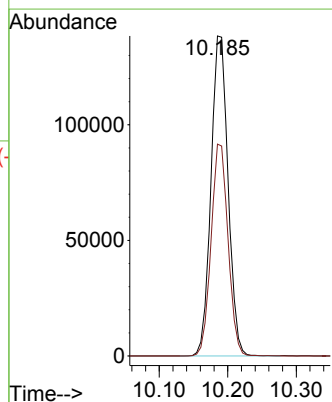
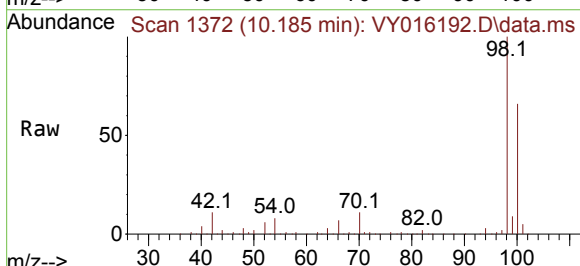
Acq: 02 Nov 2023 15:58

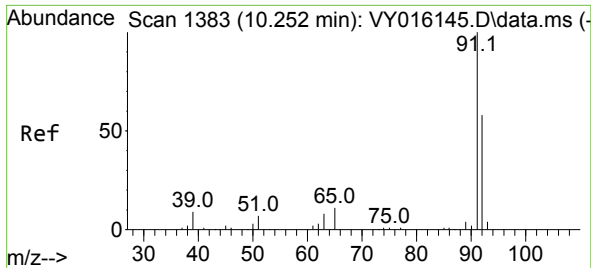
Tgt Ion: 98 Resp: 240021

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1

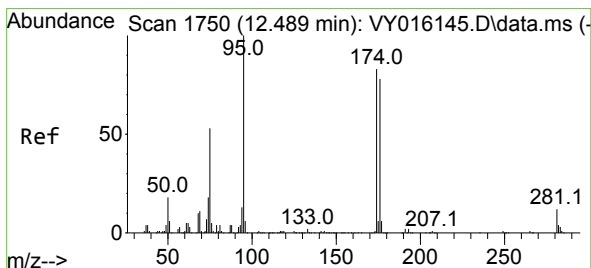
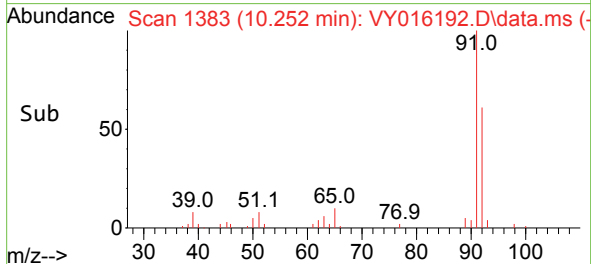
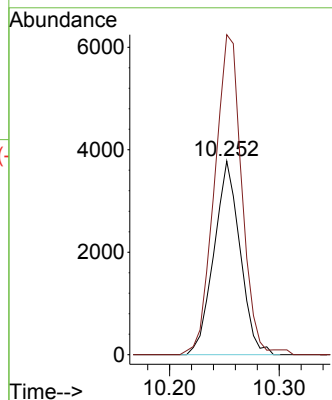
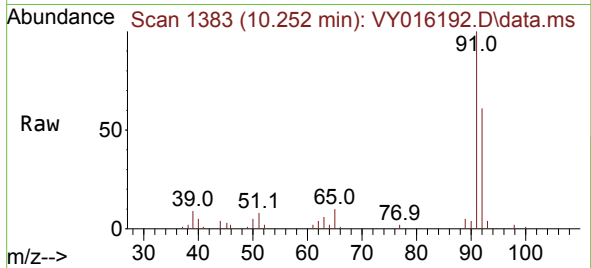




#52
Toluene
Concen: 1.896 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

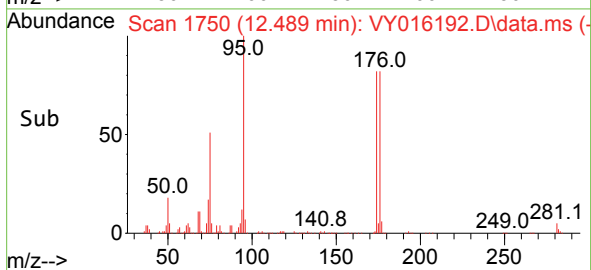
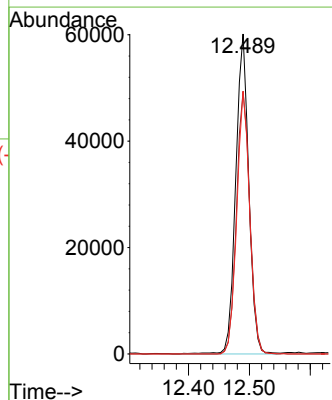
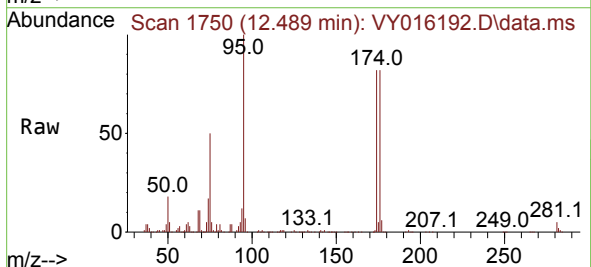
Instrument :
MSVOA_Y
ClientSampleId :

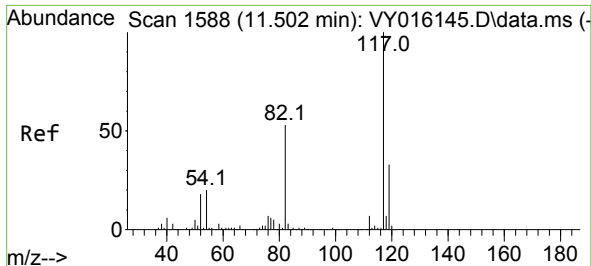
Tgt Ion: 92 Resp: 6246
Ion Ratio Lower Upper
92 100
91 173.0 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 53.797 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion: 95 Resp: 89450
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.2 0.0 173.8

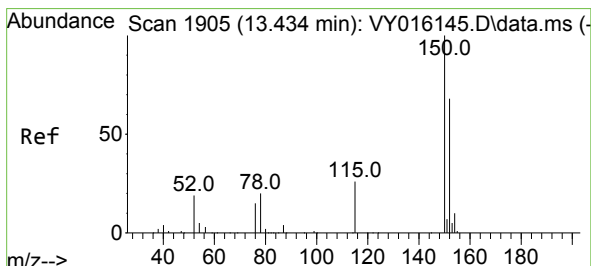
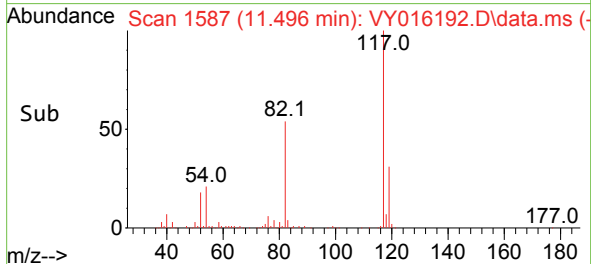
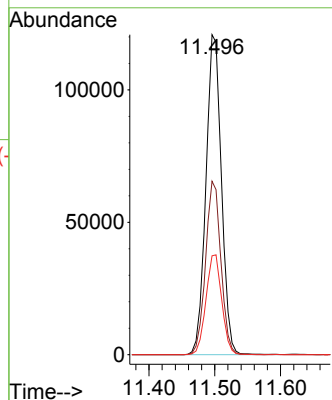
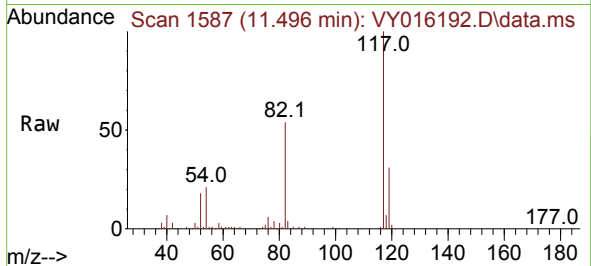




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

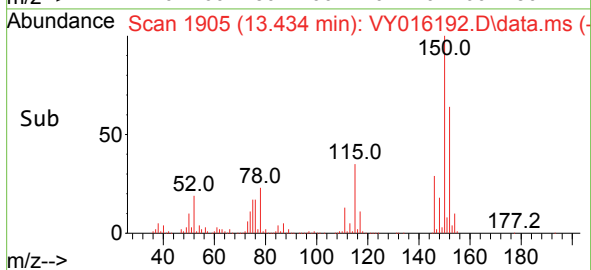
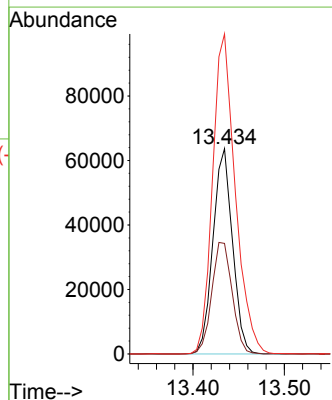
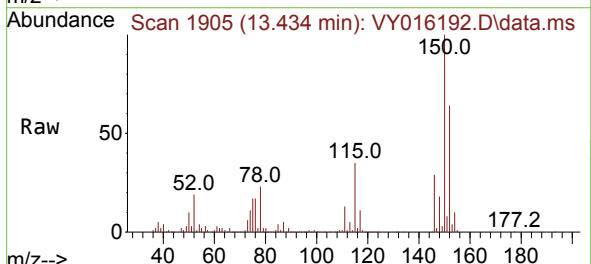
Instrument :
MSVOA_Y
ClientSampleId :

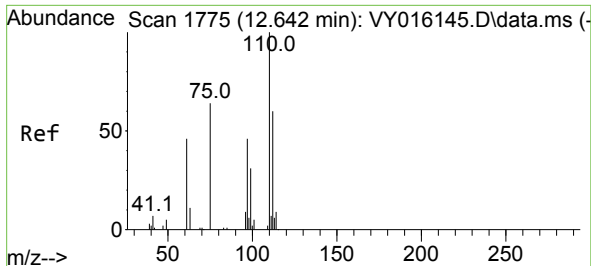
Tgt Ion:117 Resp: 198311
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 30.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion:152 Resp: 94715
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.5
150 180.6 0.0 348.8

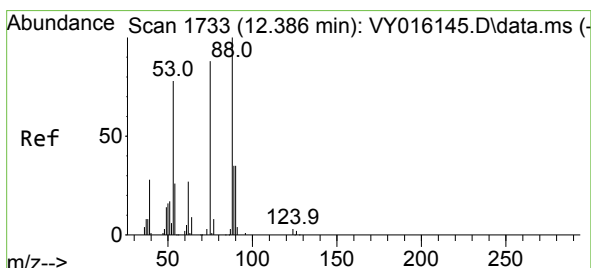
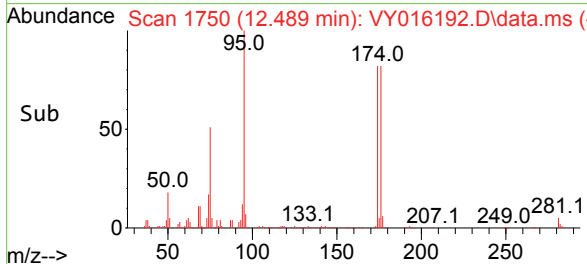
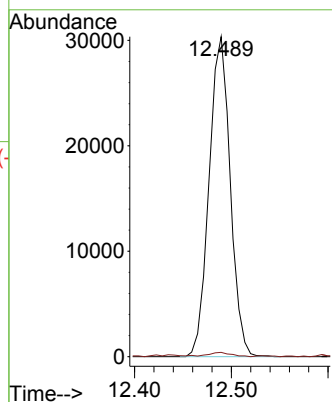
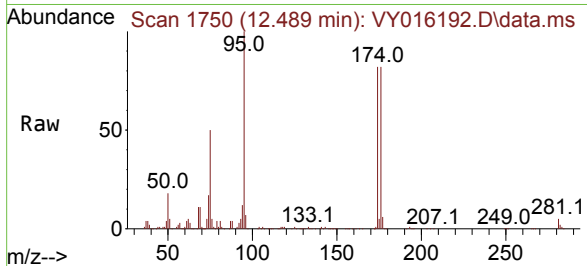




#76
1,2,3-Trichloropropane
Concen: 51.668 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

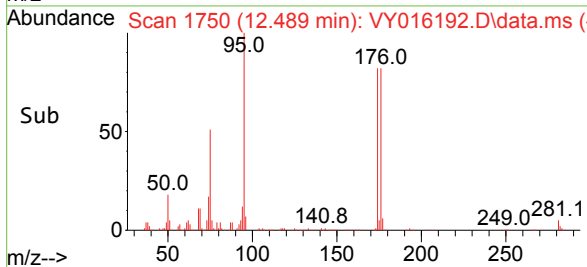
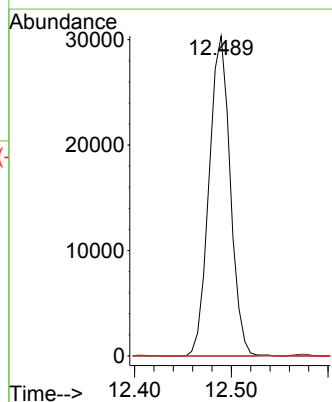
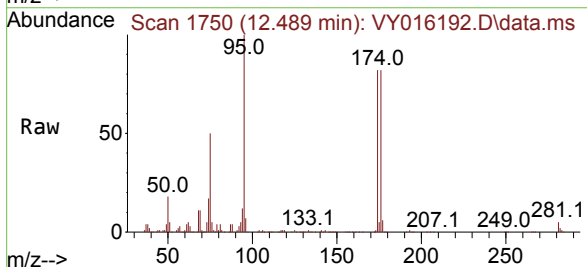
Instrument :
MSVOA_Y
ClientSampleId :

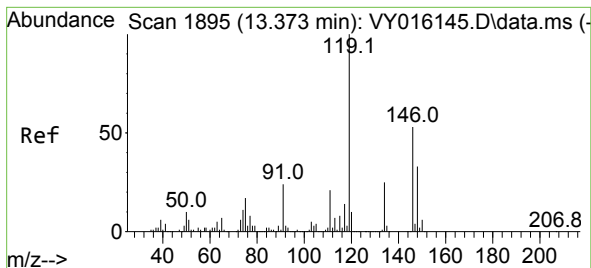
Tgt Ion: 75 Resp: 46085
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.029 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016192.D
Acq: 02 Nov 2023 15:58

Tgt Ion: 75 Resp: 46085
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#87

1,3-Dichlorobenzene

Concen: 69.287 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.079 min

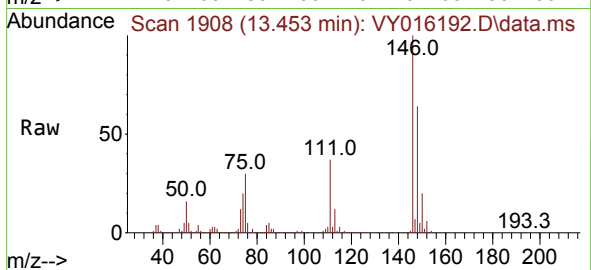
Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :



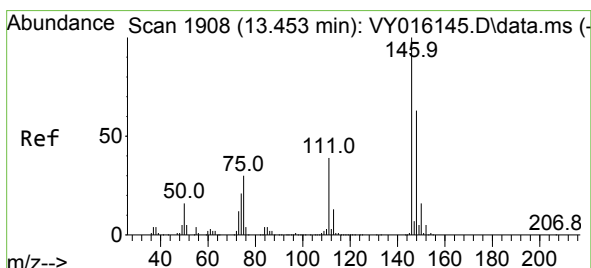
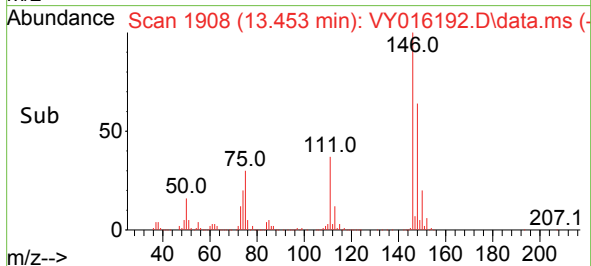
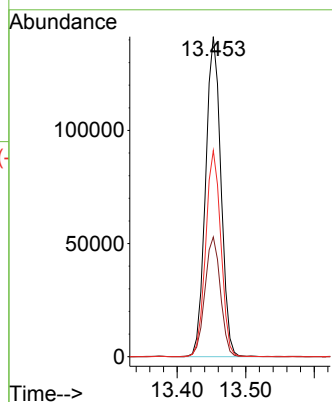
Tgt Ion:146 Resp: 220449

Ion Ratio Lower Upper

146 100

111 37.8 19.4 58.2

148 63.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 70.102 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY016192.D

Acq: 02 Nov 2023 15:58

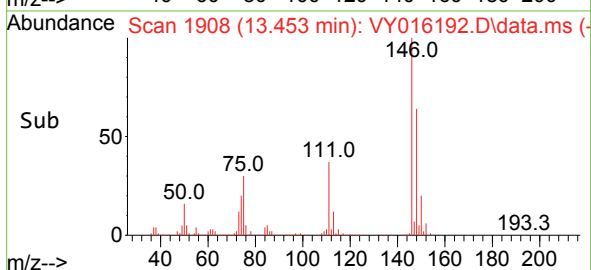
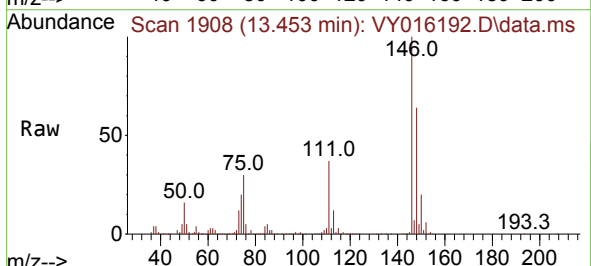
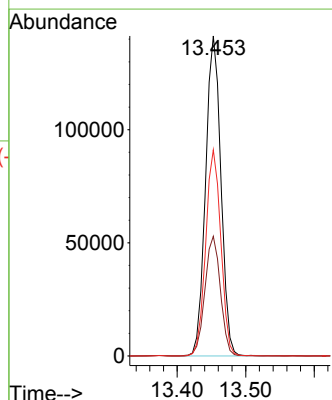
Tgt Ion:146 Resp: 220449

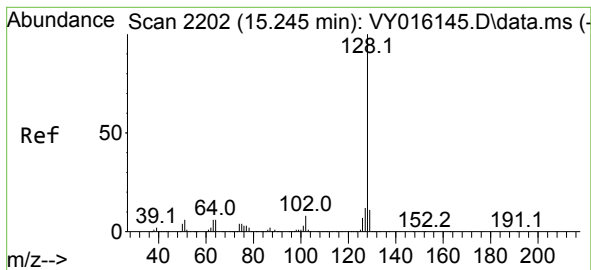
Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.7

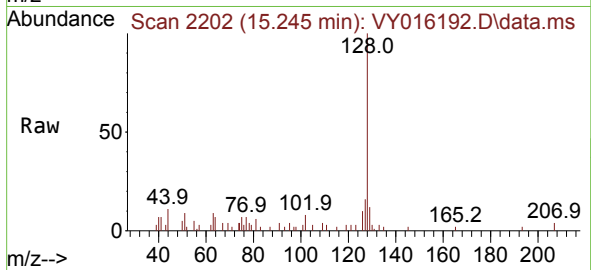
148 63.7 32.1 96.5





#95
 Naphthalene
 Concen: 1.893 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY016192.D
 Acq: 02 Nov 2023 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 6240
 Ion Ratio Lower Upper
 128 100
 127 16.6 10.8 16.2#
 129 14.8 8.6 13.0#

