

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013945.D
 Acq On : 31 May 2023 18:56
 Operator : KP/MD
 Sample : 02972-04
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-12-0A

Quant Time: Jun 01 03:31:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

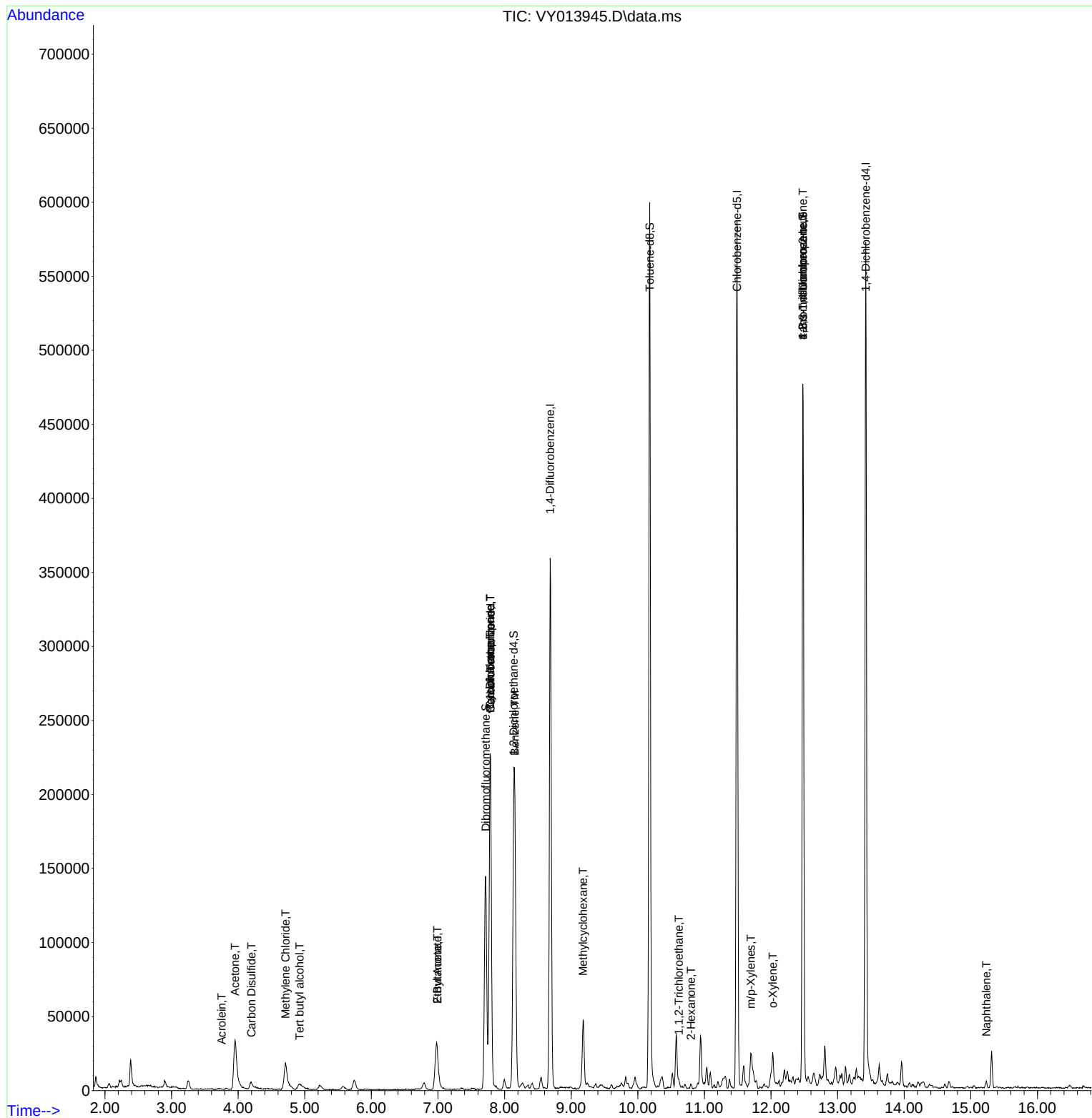
Internal Standards						
1) Pentafluorobenzene	7.789	168	166800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292166	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	298844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127338	65.988	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 131.980%			
35) Dibromofluoromethane	7.716	113	99275	52.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.220%			
50) Toluene-d8	10.179	98	364212	50.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.477	95	130092	54.575	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.160%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.923	59	2958	20.010	ug/l #	73
13) Acrolein	3.753	56	591	2.658	ug/l	89
16) Acetone	3.954	43	75929	132.572	ug/l	99
17) Carbon Disulfide	4.198	76	8860	1.819	ug/l	95
20) Methylene Chloride	4.710	84	11564	3.323	ug/l	93
25) 2-Butanone	6.990	43	17330	24.797	ug/l #	82
31) Cyclohexane	7.783	56	9851	3.323	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	12955	4.508	ug/l #	49
37) Ethyl Acetate	6.990	43	17330	9.886	ug/l #	71
38) Carbon Tetrachloride	7.789	117	16154	4.943	ug/l #	17
39) Methylcyclohexane	9.179	83	16823	4.998	ug/l	97
40) Benzene	8.155	78	111235	13.476	ug/l	98
55) 1,1,2-Trichloroethane	10.618	97	2003	1.229	ug/l #	17
59) 2-Hexanone	10.800	43	1392	1.150	ug/l #	28
68) m/p-Xylenes	11.697	106	6476	1.518	ug/l	95
69) o-Xylene	12.026	106	5424	1.350	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	73070	43.417	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73070	94.244	ug/l #	10
95) Naphthalene	15.233	128	3702	5.101	ug/l #	91

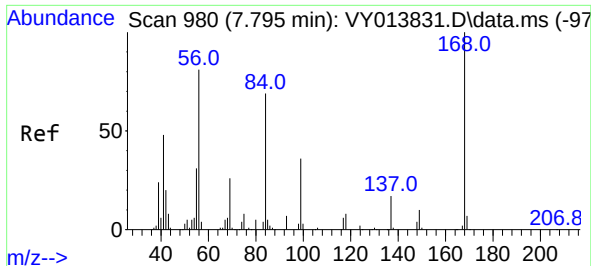
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 01 03:31:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

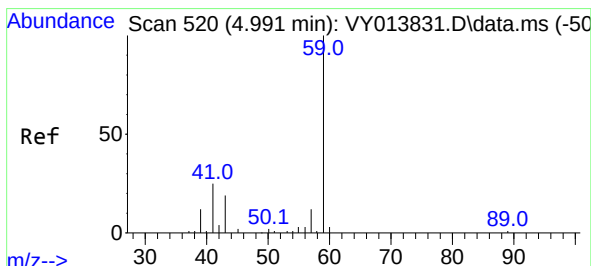
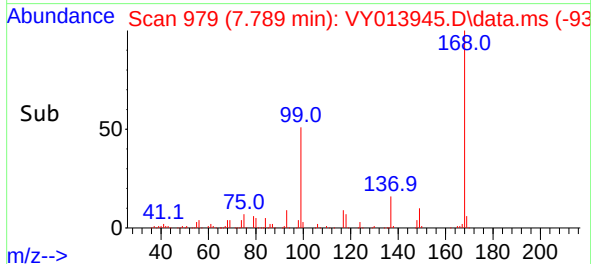
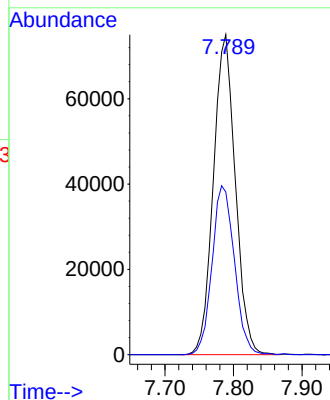
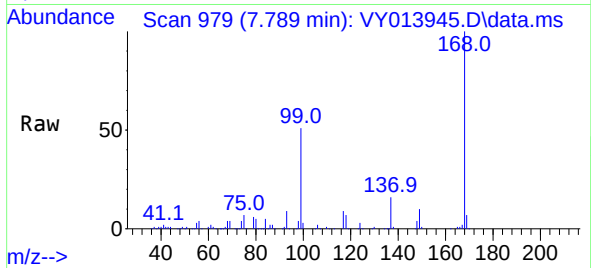




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

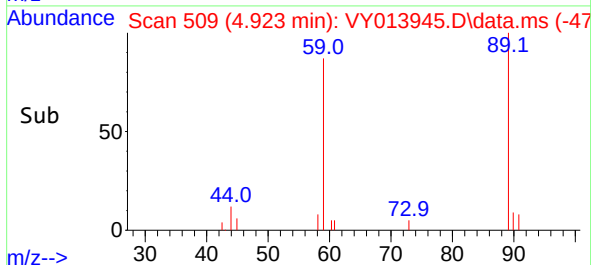
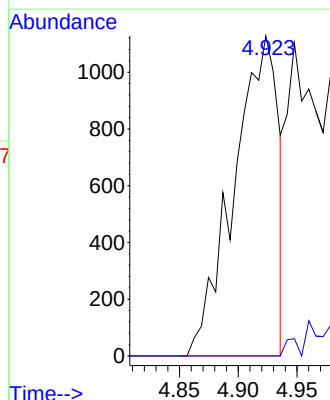
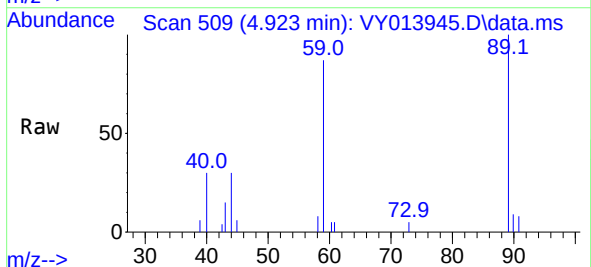
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

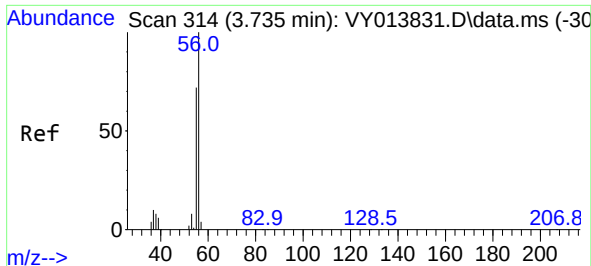
Tgt Ion:168 Resp: 166800
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.2



#11
Tert butyl alcohol
Concen: 20.010 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.067 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 59 Resp: 2958
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

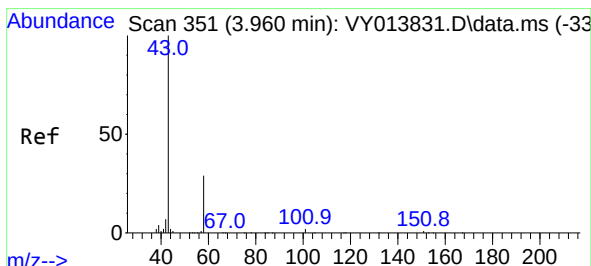
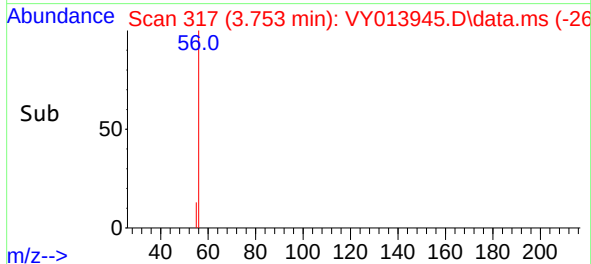
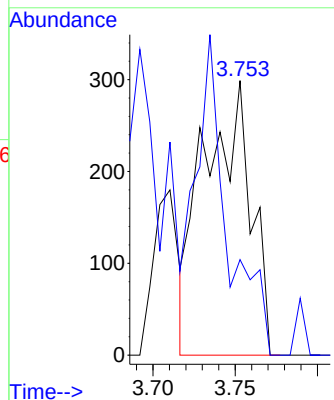
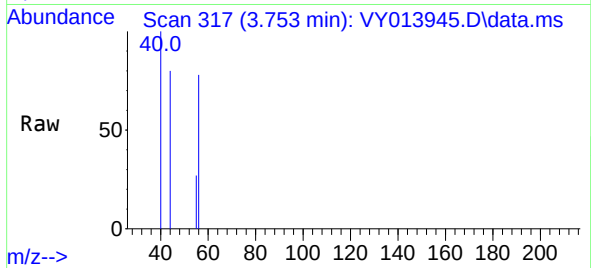




#13
Acrolein
Concen: 2.658 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

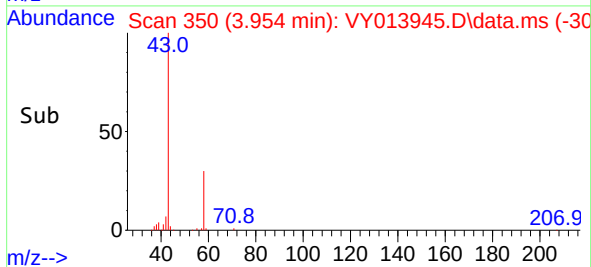
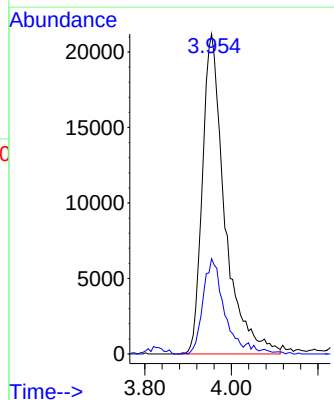
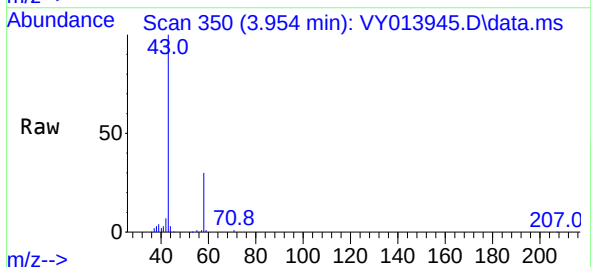
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

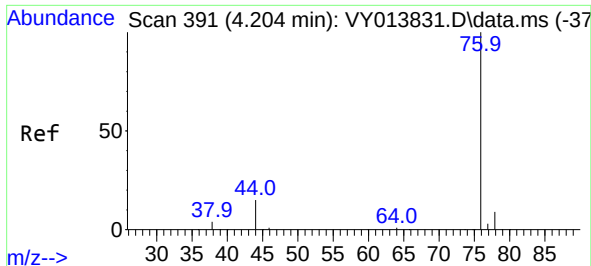
Tgt Ion: 56 Resp: 591
Ion Ratio Lower Upper
56 100
55 79.0 56.2 84.2



#16
Acetone
Concen: 132.572 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 43 Resp: 75929
Ion Ratio Lower Upper
43 100
58 29.8 23.3 34.9

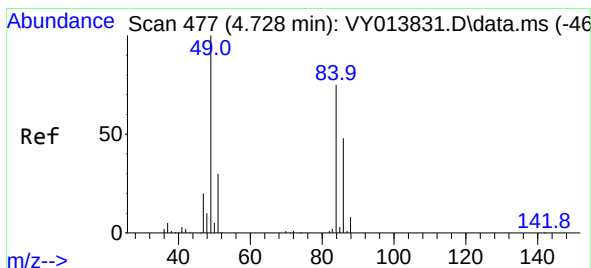
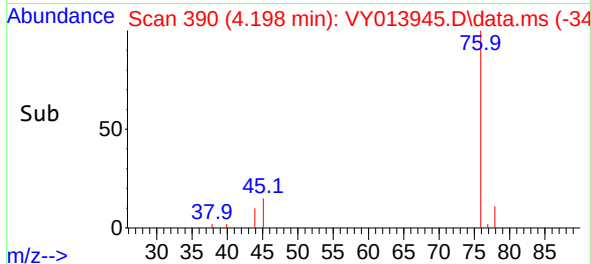
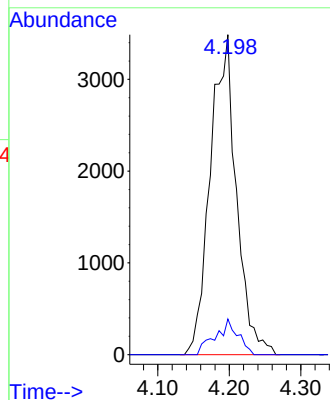
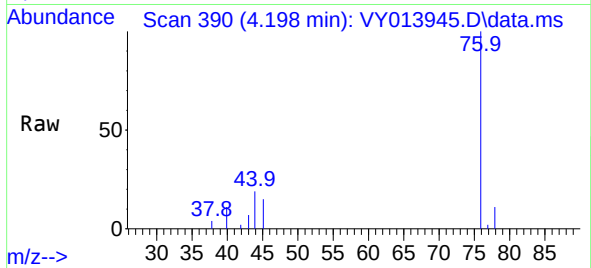




#17
Carbon Disulfide
Concen: 1.819 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

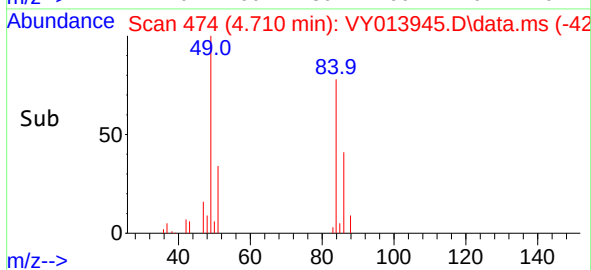
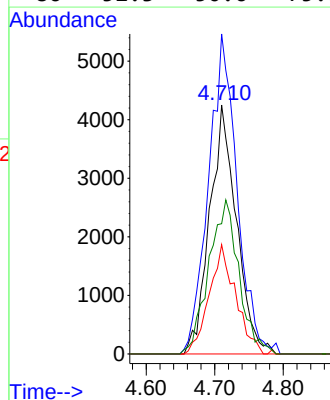
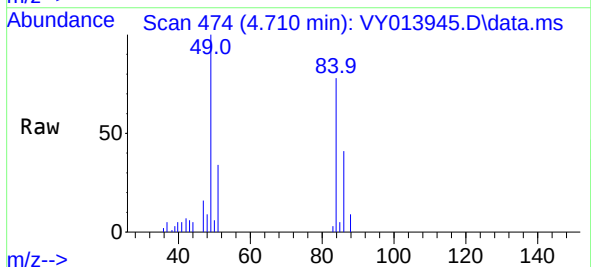
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

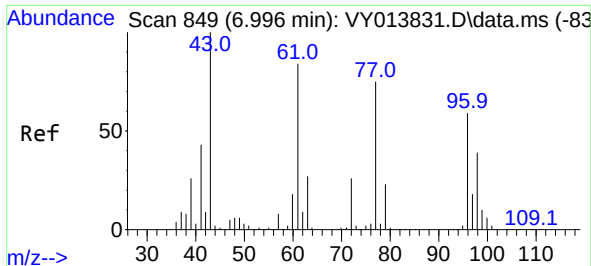
Tgt Ion: 76 Resp: 8860
Ion Ratio Lower Upper
76 100
78 11.2 7.5 11.3



#20
Methylene Chloride
Concen: 3.323 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 84 Resp: 11564
Ion Ratio Lower Upper
84 100
49 128.6 106.2 159.2
51 43.9 31.4 47.0
86 52.3 50.6 75.8





#25

2-Butanone

Concen: 24.797 ug/l

RT: 6.990 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY013945.D

Acq: 31 May 2023 18:56

Instrument :

MSVOA_Y

ClientSampleId :

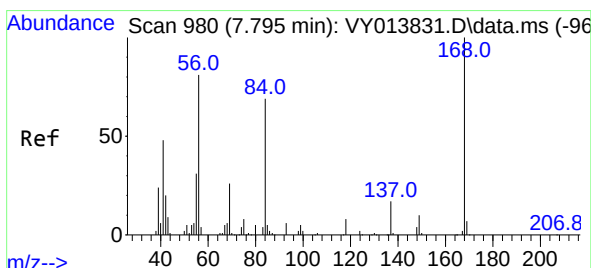
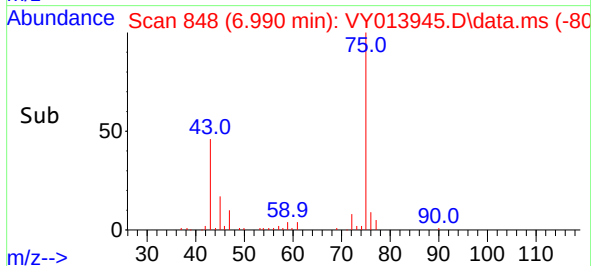
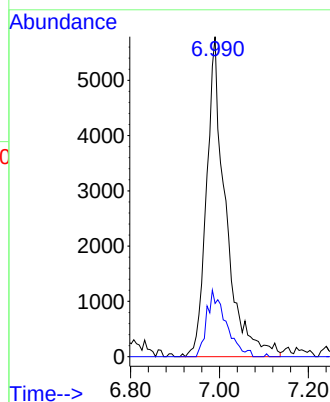
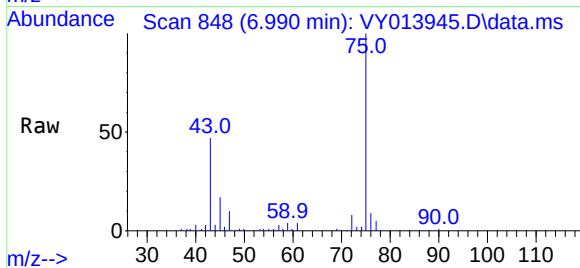
TP-12-0A

Tgt Ion: 43 Resp: 17330

Ion Ratio Lower Upper

43 100

72 16.7 20.5 30.7#



#31

Cyclohexane

Concen: 3.323 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.012 min

Lab File: VY013945.D

Acq: 31 May 2023 18:56

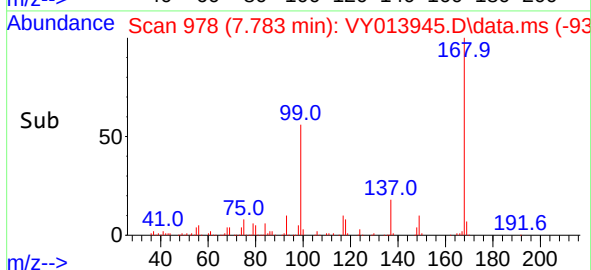
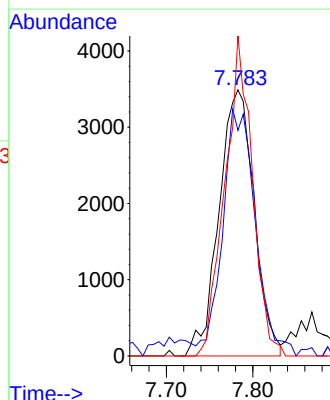
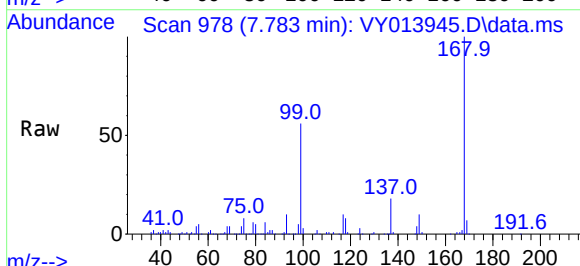
Tgt Ion: 56 Resp: 9851

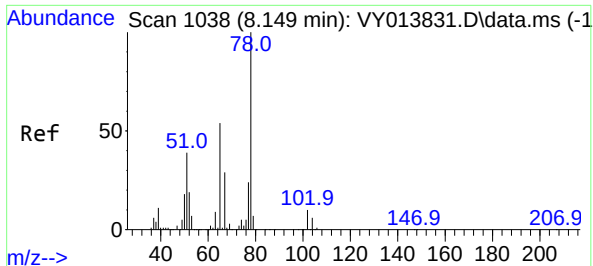
Ion Ratio Lower Upper

56 100

69 79.0 25.8 38.8#

84 120.3 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 65.988 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VY013945.D

Acq: 31 May 2023 18:56

Instrument :

MSVOA_Y

ClientSampleId :

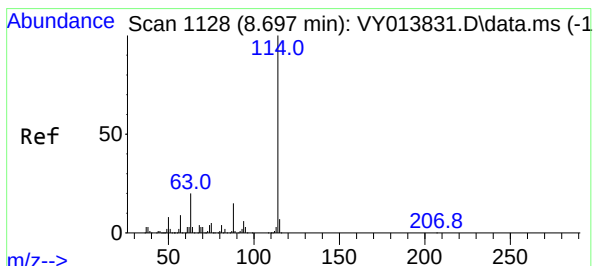
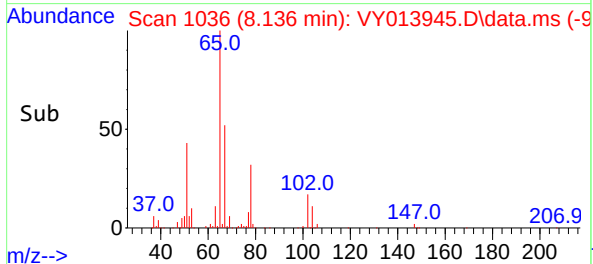
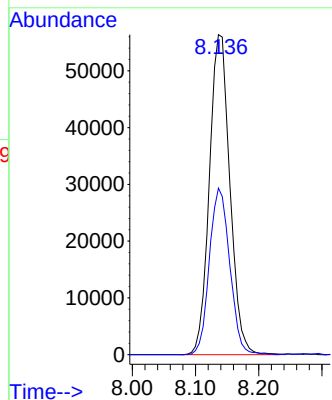
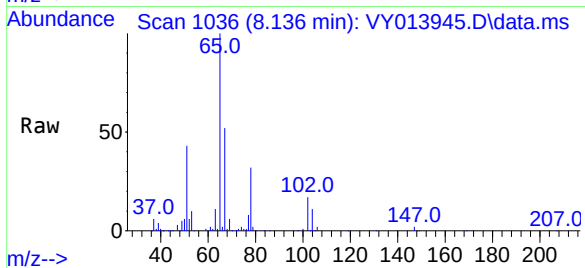
TP-12-0A

Tgt Ion: 65 Resp: 127338

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013945.D

Acq: 31 May 2023 18:56

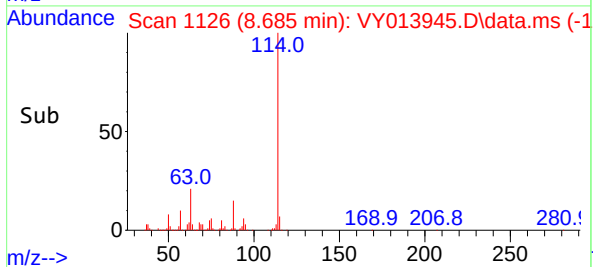
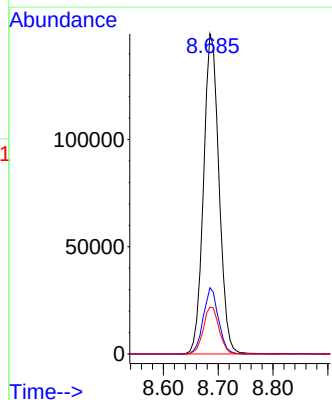
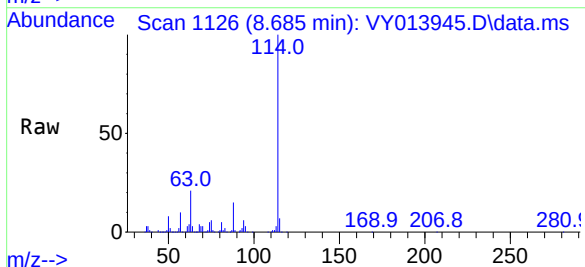
Tgt Ion: 114 Resp: 292166

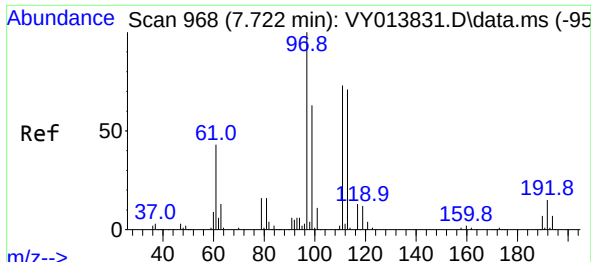
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 14.7 0.0 30.0

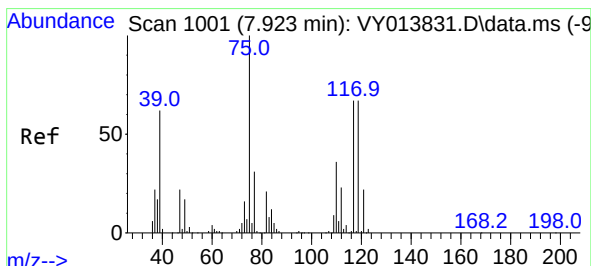
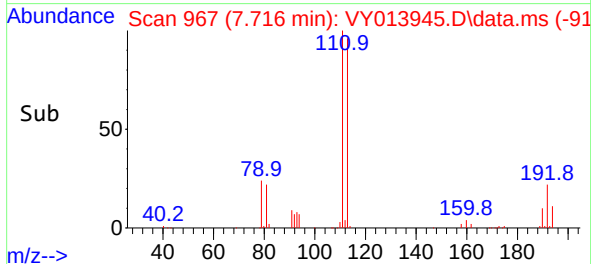
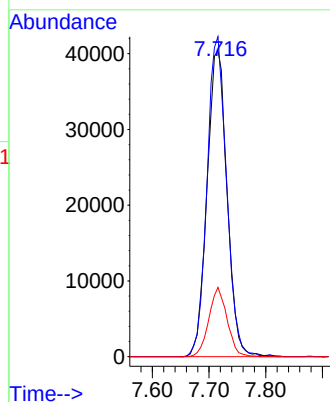
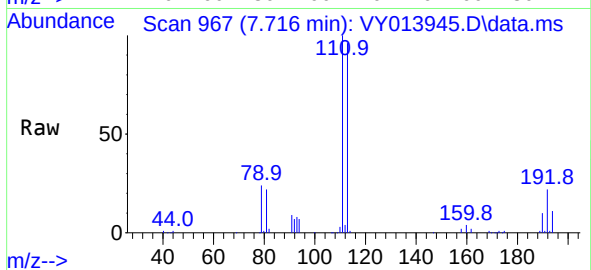




#35
Dibromofluoromethane
Concen: 52.615 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

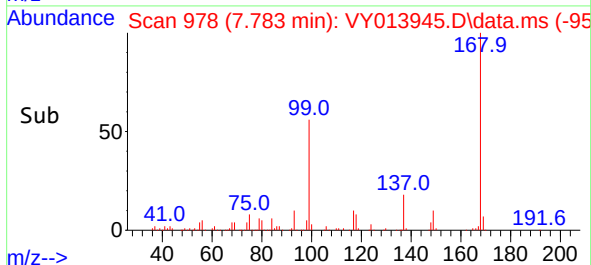
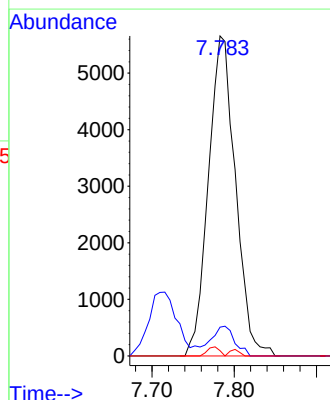
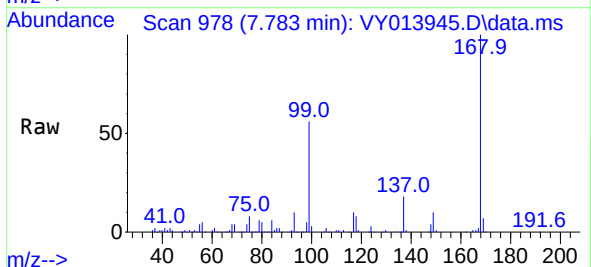
Instrument :
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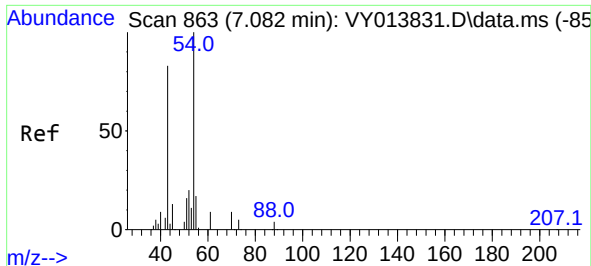
Tgt Ion:113 Resp: 99275
Ion Ratio Lower Upper
113 100
111 101.8 80.4 120.6
192 20.7 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.508 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

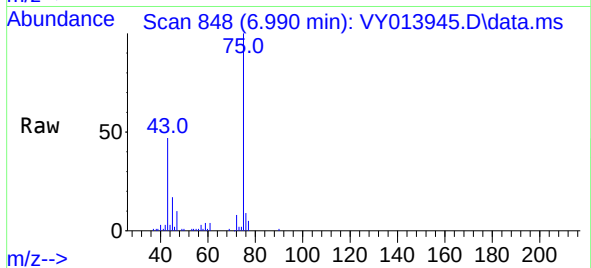
Tgt Ion: 75 Resp: 12955
Ion Ratio Lower Upper
75 100
110 7.9 17.5 52.6#
77 0.0 24.4 36.6#



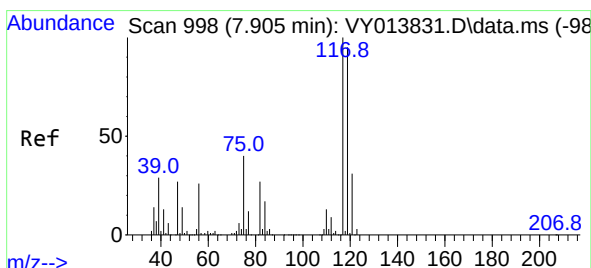
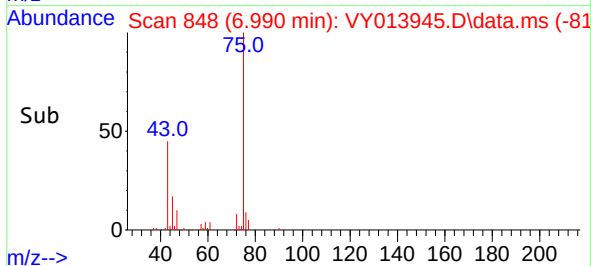
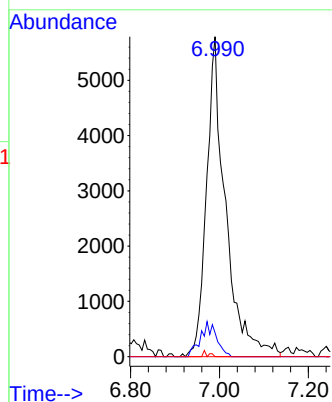


#37
Ethyl Acetate
Concen: 9.886 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

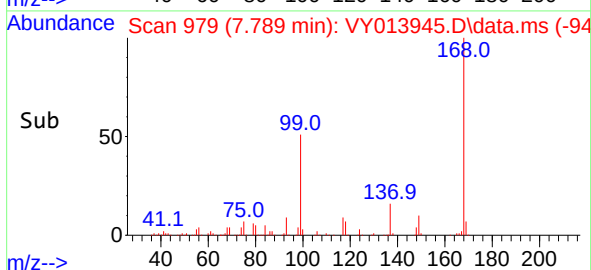
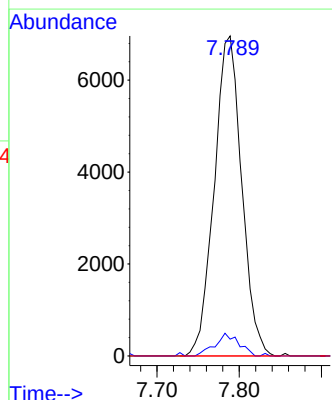
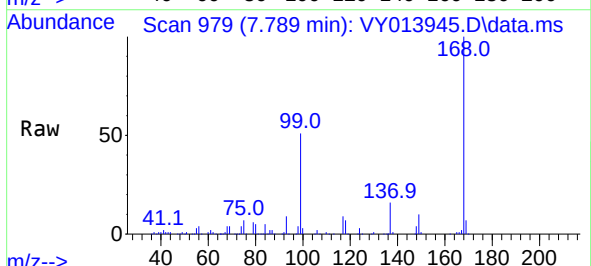


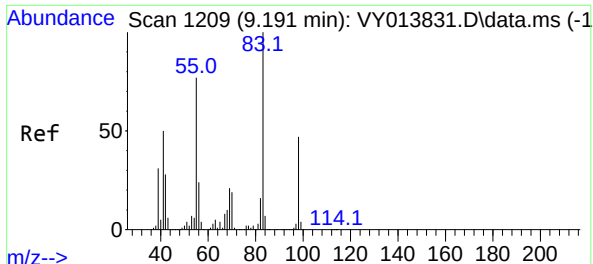
Tgt Ion: 43 Resp: 17330
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.943 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 117 Resp: 16154
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 24.8 37.2#

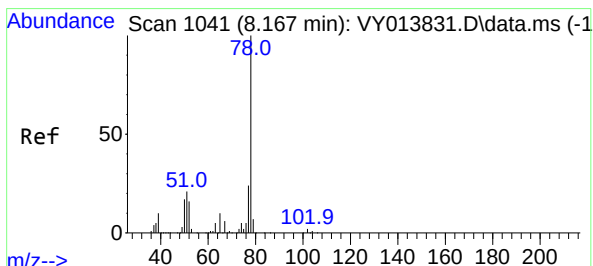
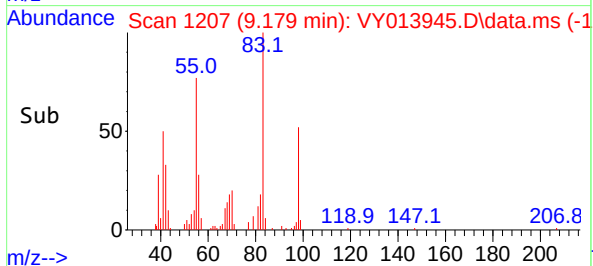
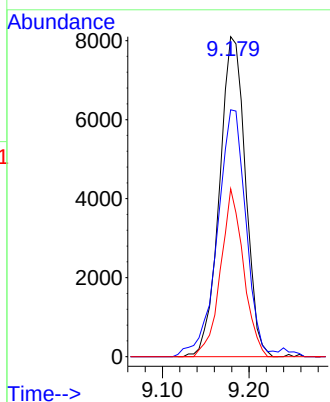
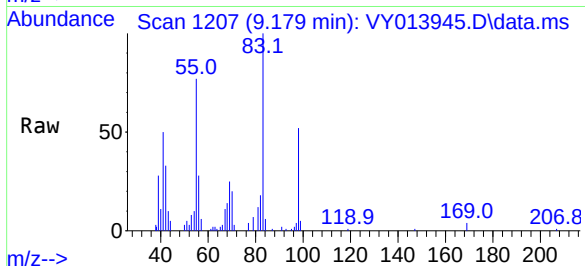




#39
Methylcyclohexane
Concen: 4.998 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

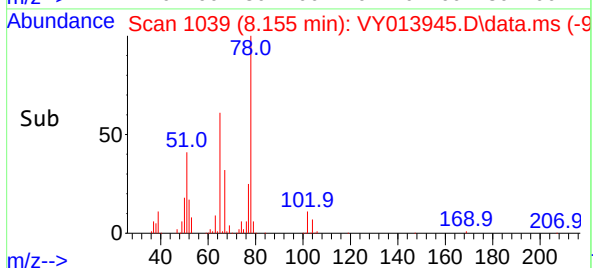
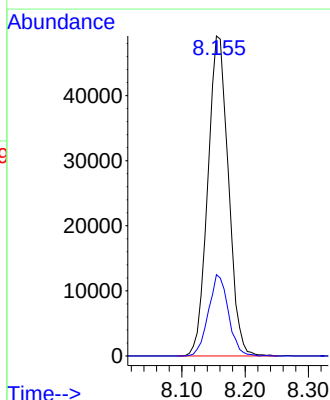
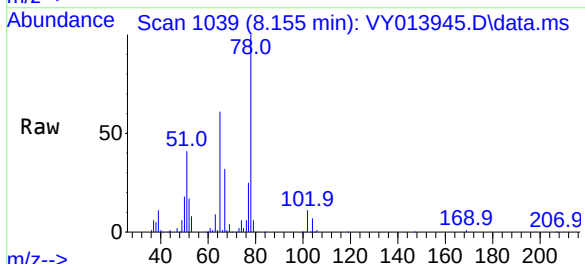
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

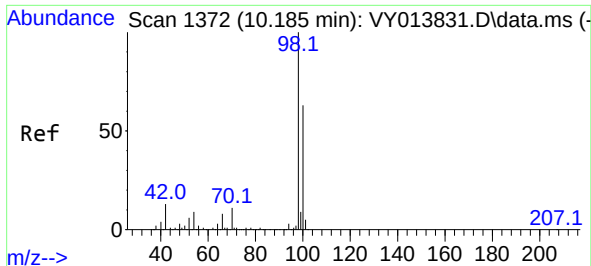
Tgt Ion: 83 Resp: 16823
Ion Ratio Lower Upper
83 100
55 76.5 61.6 92.4
98 52.4 38.0 57.0



#40
Benzene
Concen: 13.476 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 78 Resp: 111235
Ion Ratio Lower Upper
78 100
77 25.4 19.5 29.3

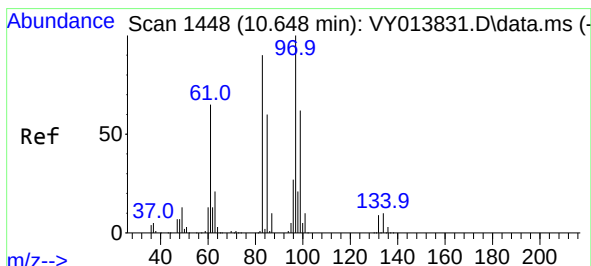
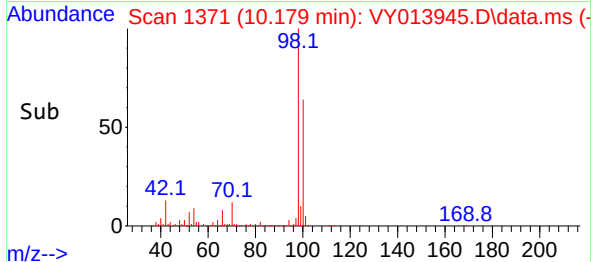
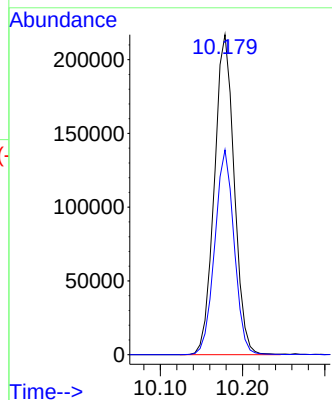
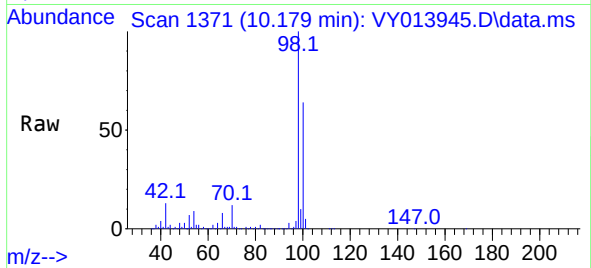




#50
Toluene-d8
Concen: 50.788 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

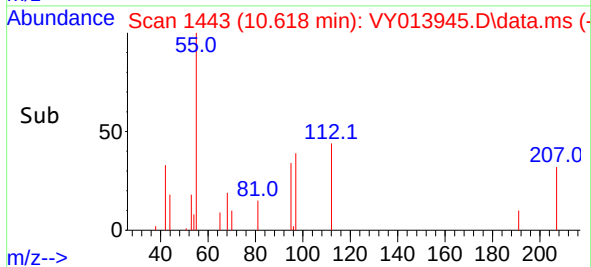
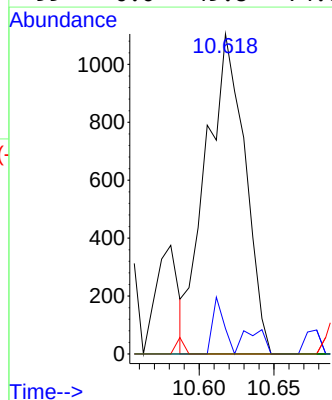
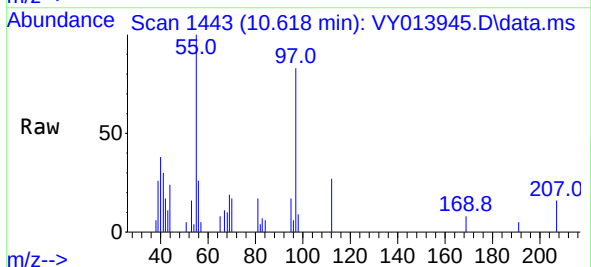
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

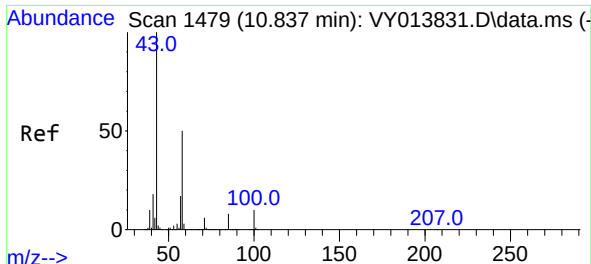
Tgt Ion: 98 Resp: 364212
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#55
1,1,2-Trichloroethane
Concen: 1.229 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 97 Resp: 2003
Ion Ratio Lower Upper
97 100
83 8.0 71.9 107.9#
85 0.0 47.6 71.4#
99 0.0 49.8 74.6#

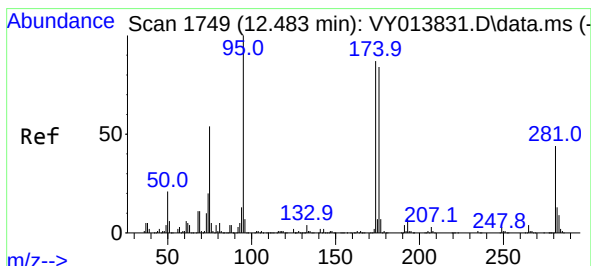
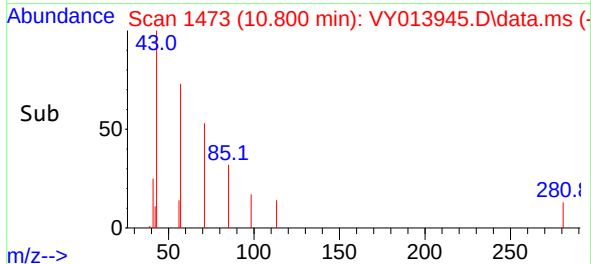
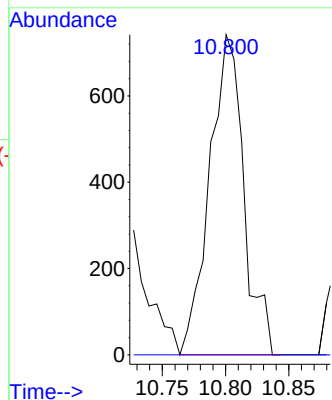
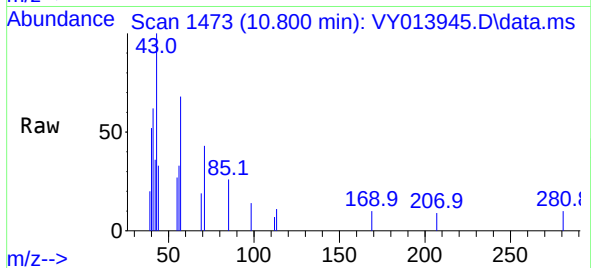




#59
2-Hexanone
Concen: 1.150 ug/l
RT: 10.800 min Scan# 1479
Delta R.T. -0.037 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

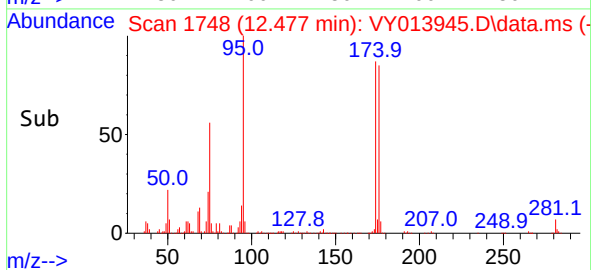
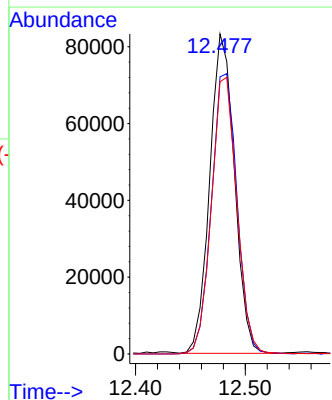
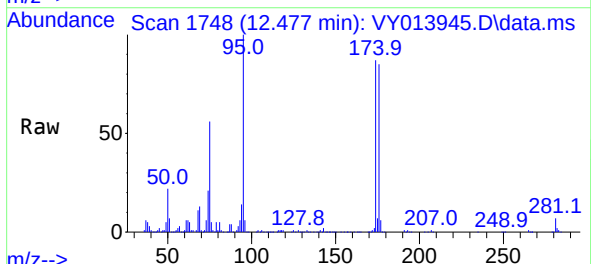
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

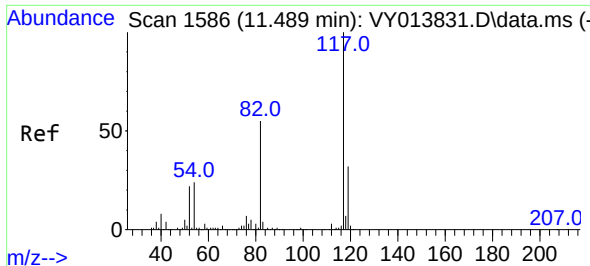
Tgt Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
58 0.0 24.8 74.3#



#62
4-Bromofluorobenzene
Concen: 54.575 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 95 Resp: 130092
Ion Ratio Lower Upper
95 100
174 90.9 0.0 176.0
176 89.1 0.0 170.2

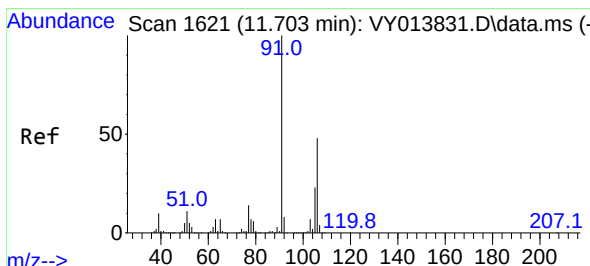
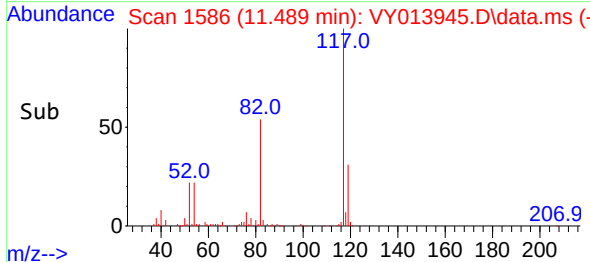
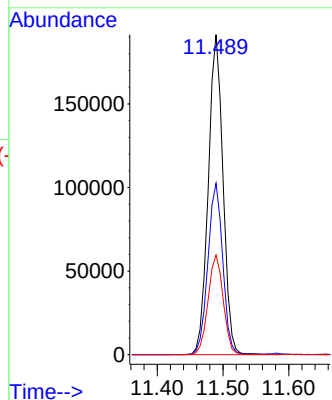
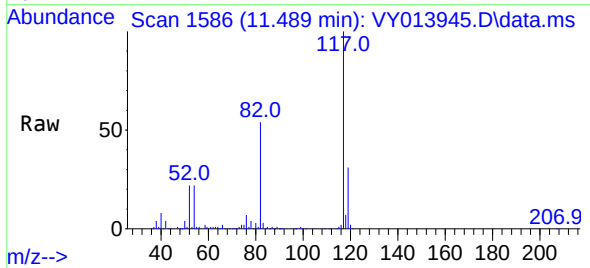




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

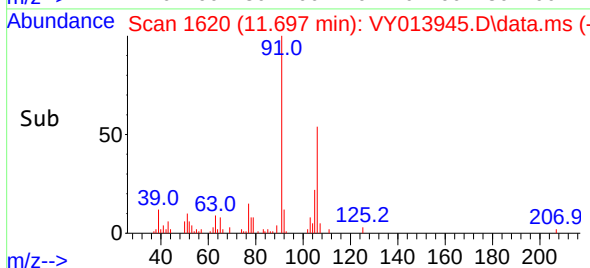
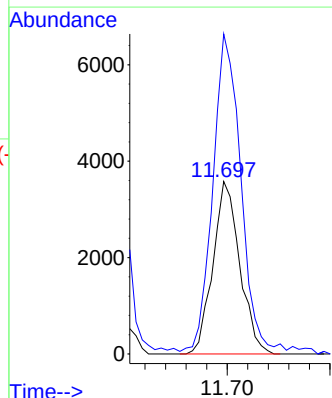
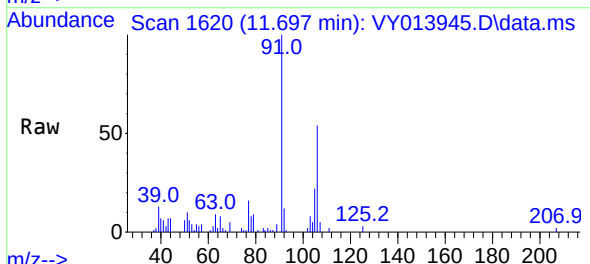
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

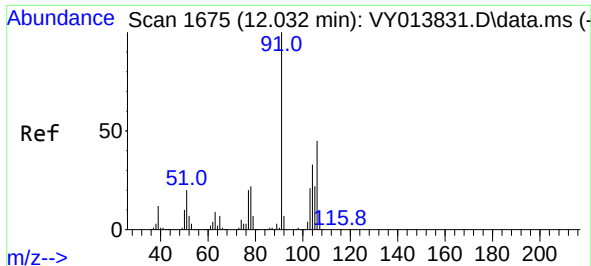
Tgt Ion:117 Resp: 298844
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.4
119 31.1 25.7 38.5



#68
m/p-Xylenes
Concen: 1.518 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion:106 Resp: 6476
Ion Ratio Lower Upper
106 100
91 197.9 164.9 247.3

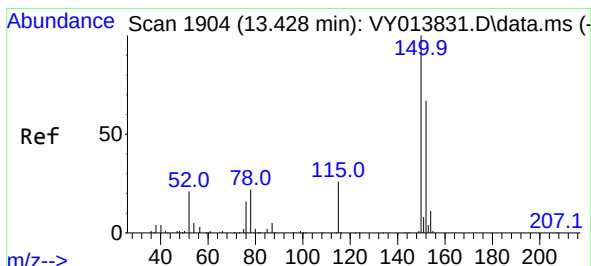
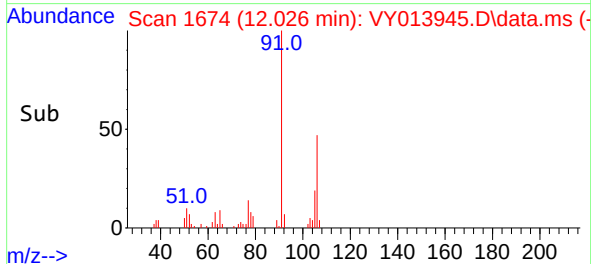
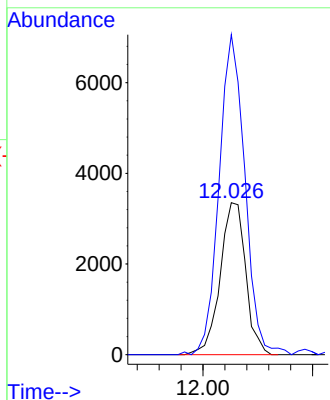
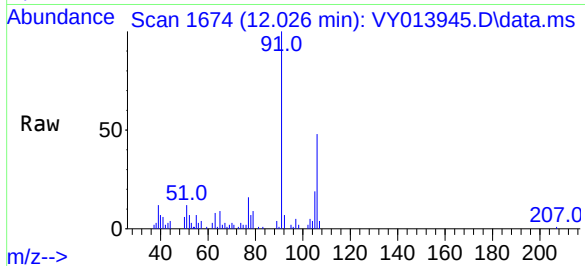




#69
o-Xylene
Concen: 1.350 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

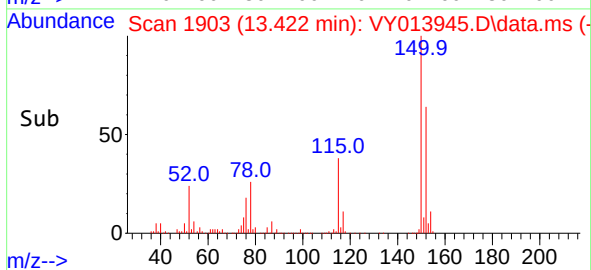
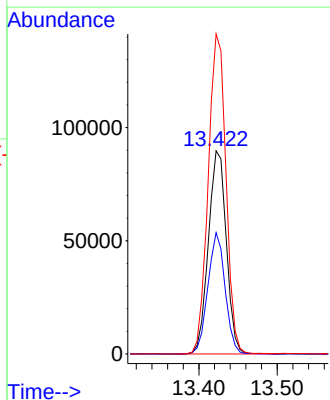
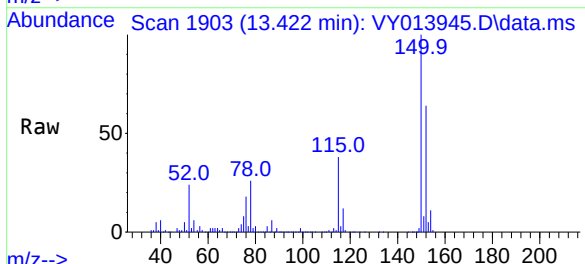
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

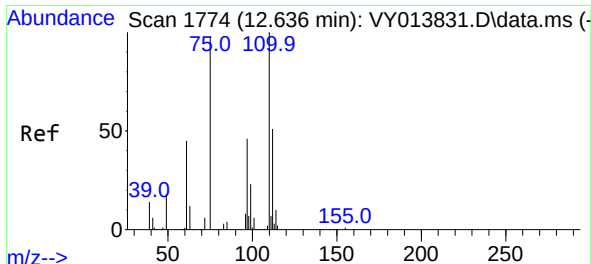
Tgt Ion:106 Resp: 5424
Ion Ratio Lower Upper
106 100
91 212.6 109.0 327.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion:152 Resp: 142731
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 156.0 0.0 353.4

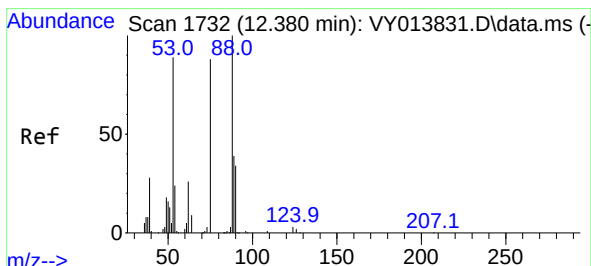
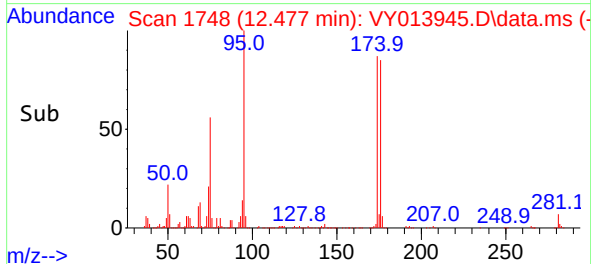
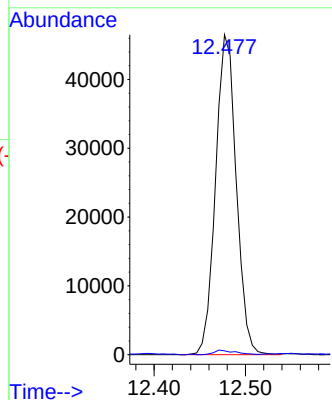
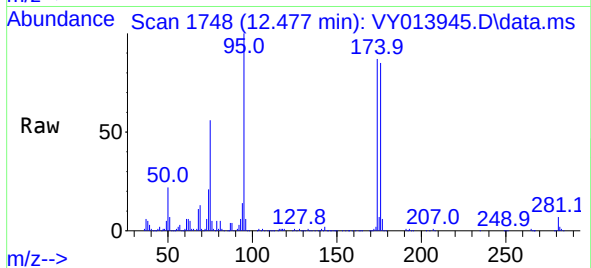




#76
1,2,3-Trichloropropane
Concen: 43.417 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

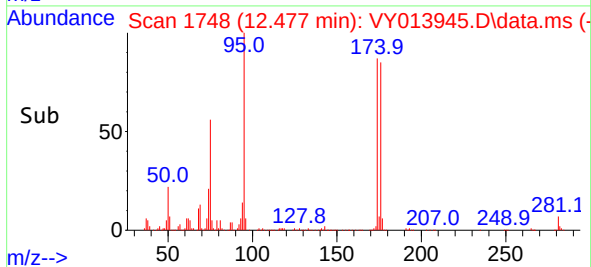
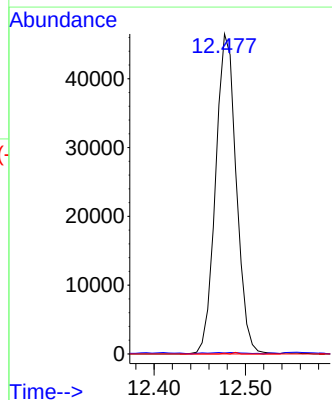
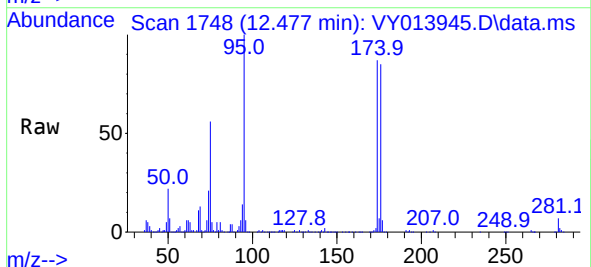
Instrument :
MSVOA_Y
ClientSampleId :
TP-12-0A

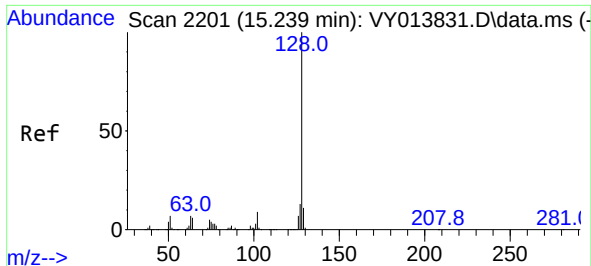
Tgt Ion: 75 Resp: 73070
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.244 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013945.D
Acq: 31 May 2023 18:56

Tgt Ion: 75 Resp: 73070
Ion Ratio Lower Upper
75 100
53 0.8 79.7 119.5#
89 0.2 36.4 54.6#





#95

Naphthalene

Concen: 5.101 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013945.D

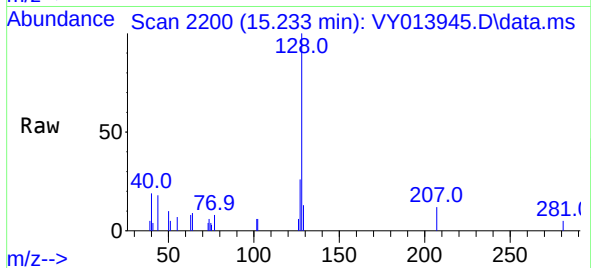
Acq: 31 May 2023 18:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-12-0A



Tgt Ion:128 Resp: 3702

Ion Ratio Lower Upper

128 100

127 18.2 10.7 16.1#

129 13.3 9.0 13.4

