

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016110.D
 Acq On : 27 Oct 2023 17:43
 Operator : SY/MD
 Sample : 05107-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:10:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

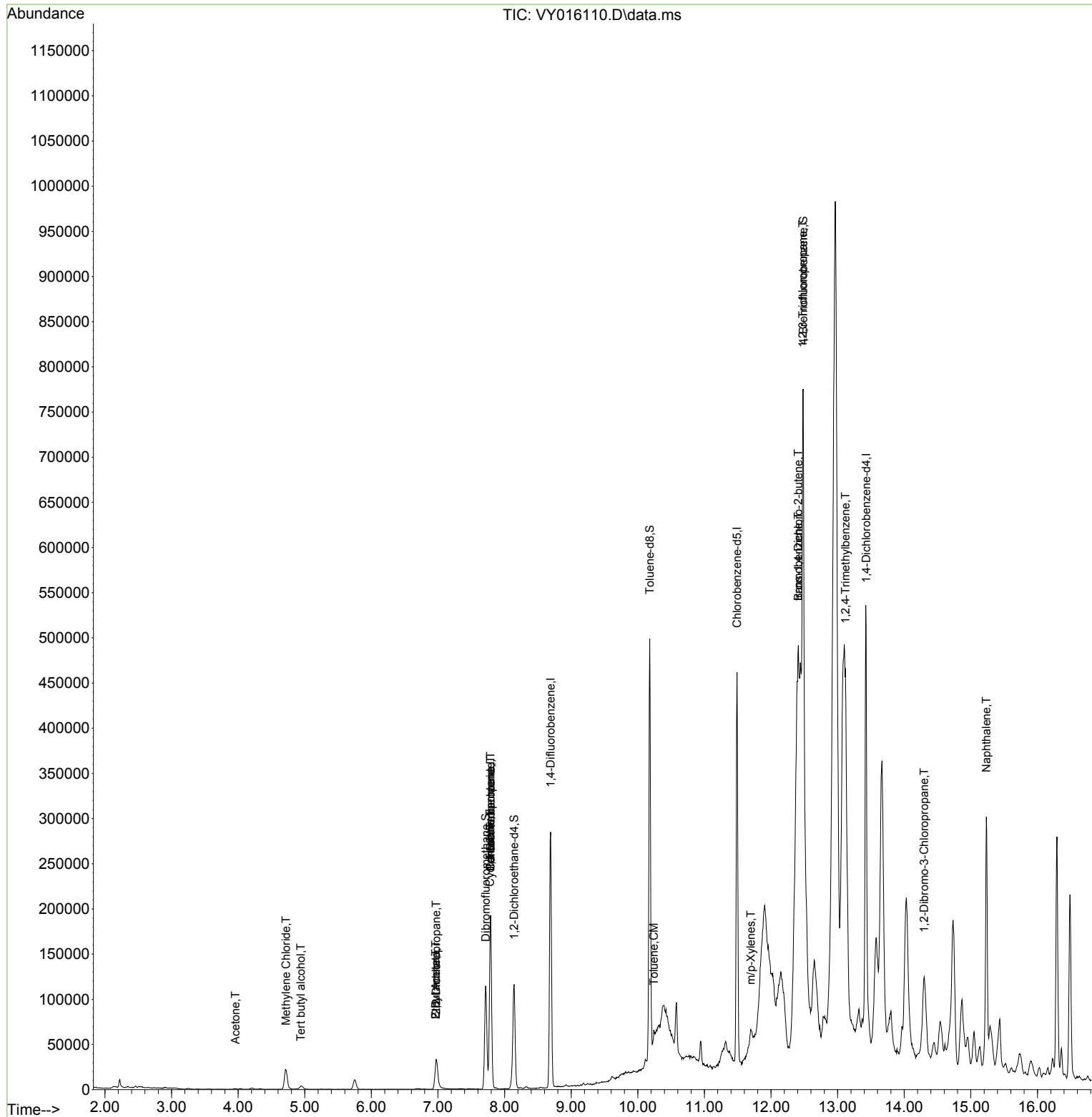
Internal Standards						
1) Pentafluorobenzene	7.789	168	150966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	254406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	240753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	84760	56.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.920%
35) Dibromofluoromethane	7.716	113	81615	50.817	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.640%
50) Toluene-d8	10.178	98	305331	51.324	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.640%
62) 4-Bromofluorobenzene	12.483	95	110770	54.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	7333	14.602	ug/l #	85
16) Acetone	3.960	43	1319	3.242	ug/l #	75
20) Methylene Chloride	4.716	84	17022	5.560	ug/l	90
25) 2-Butanone	6.966	43	2098	3.820	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	2794	1.131	ug/l #	54
31) Cyclohexane	7.783	56	3013	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11462	5.120	ug/l #	51
37) Ethyl Acetate	6.966	43	2098	1.828	ug/l #	1
38) Carbon Tetrachloride	7.789	117	14177	5.988	ug/l #	16
52) Toluene	10.239	92	5238	1.287	ug/l	96
68) m/p-Xylenes	11.697	106	4511	1.387	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	66879	56.241	ug/l #	100
77) Bromobenzene	12.410	156	391703	204.753	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.410	75	14293	26.120	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.117	105	12499	1.860	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.300	75	3398	12.917	ug/l #	3
95) Naphthalene	15.232	128	226484	54.884	ug/l	99

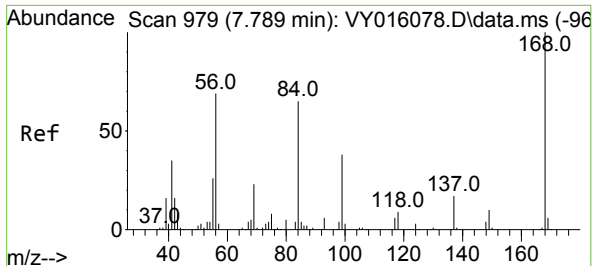
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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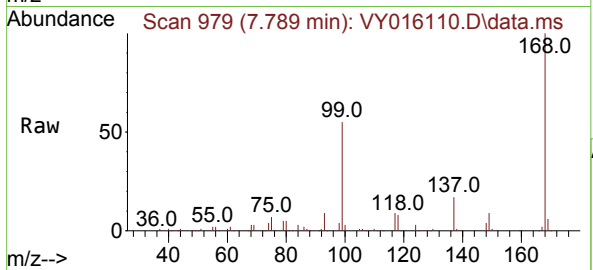
Quant Time: Oct 30 06:10:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 27 04:12:29 2023
Response via : Initial Calibration



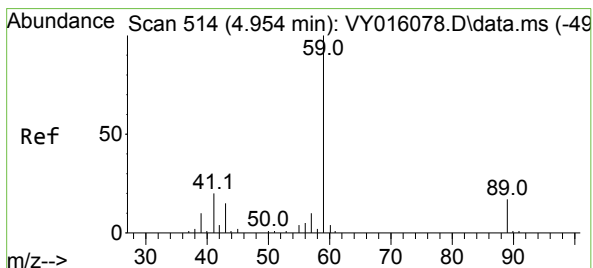
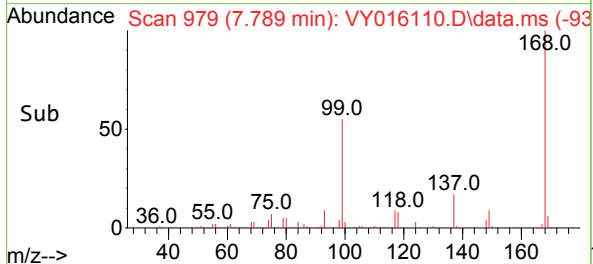
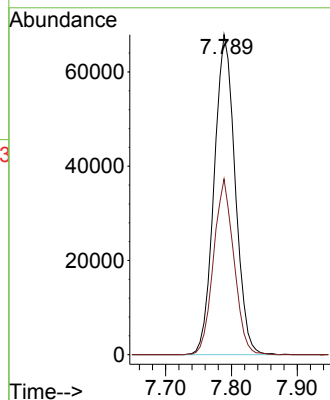


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Instrument :
MSVOA_Y
ClientSampleId :

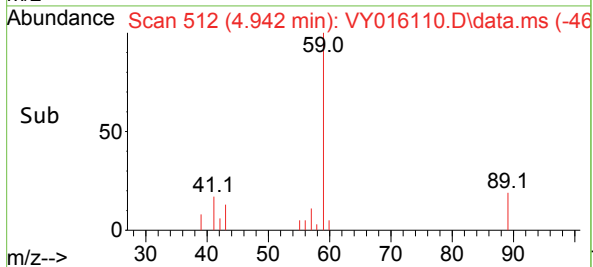
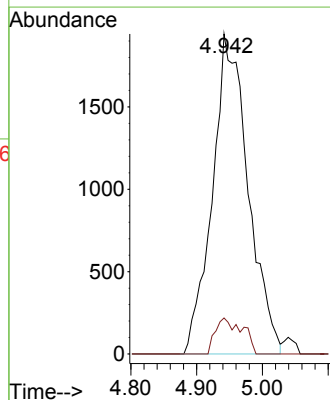
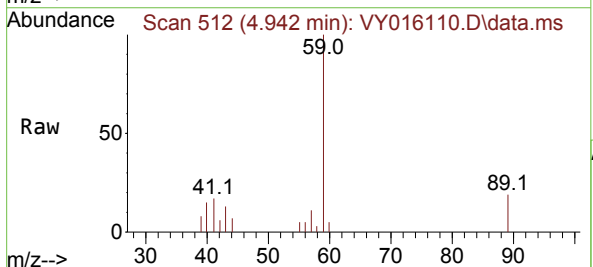


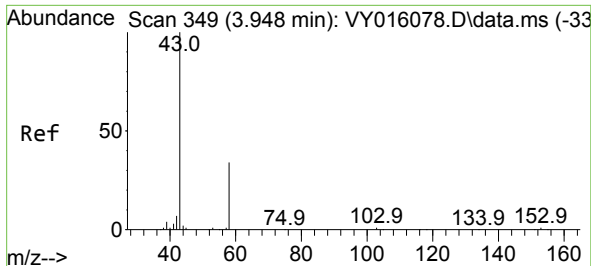
Tgt Ion:168 Resp: 150966
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 14.602 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

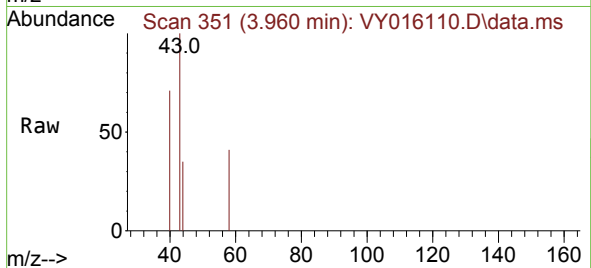
Tgt Ion: 59 Resp: 7333
Ion Ratio Lower Upper
59 100
57 8.5 3.0 4.4#



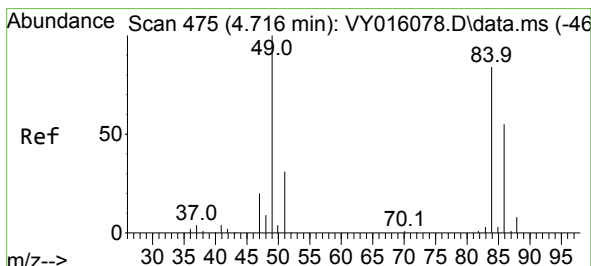
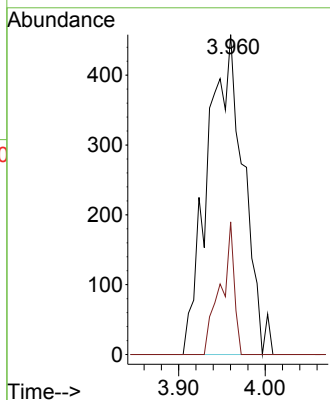
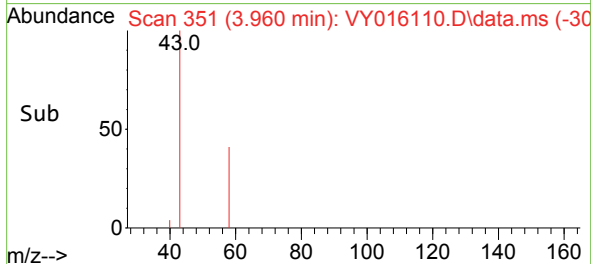


#16
Acetone
Concen: 3.242 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Instrument :
MSVOA_Y
ClientSampleId :

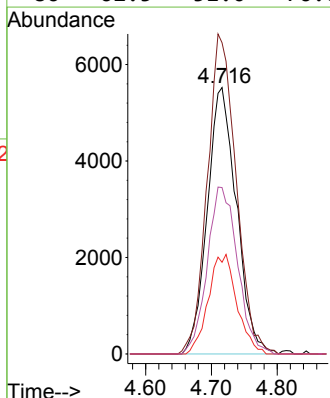
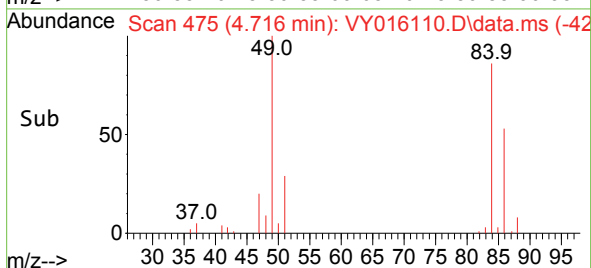
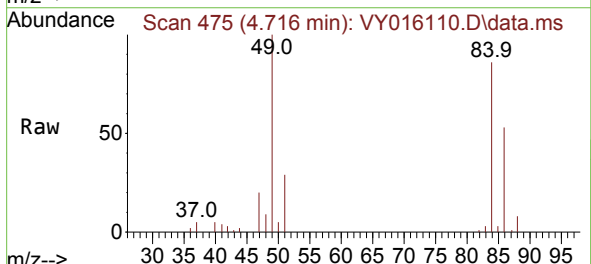


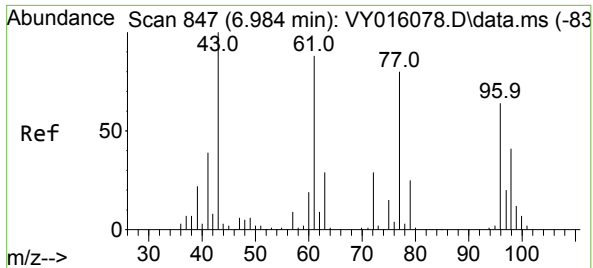
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 41.5 22.7 34.1#



#20
Methylene Chloride
Concen: 5.560 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Tgt Ion: 84 Resp: 17022
Ion Ratio Lower Upper
84 100
49 116.8 106.9 160.3
51 34.4 33.2 49.8
86 62.5 51.0 76.6





#25

2-Butanone

Concen: 3.820 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.019 min

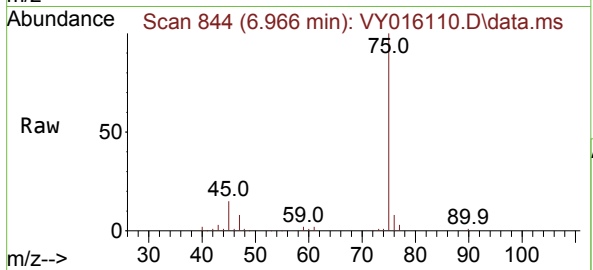
Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

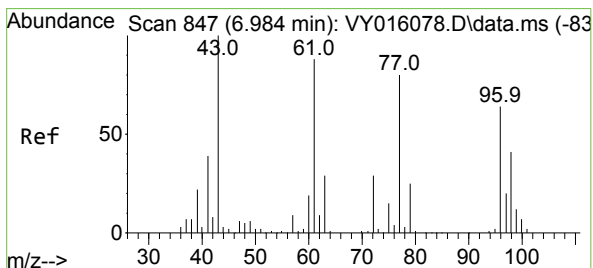
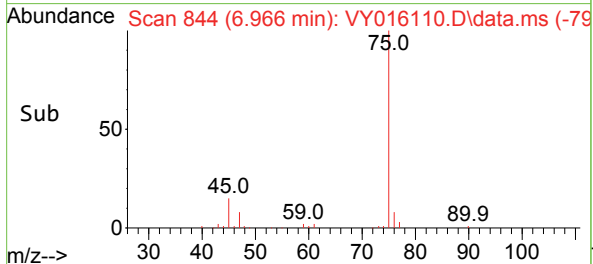
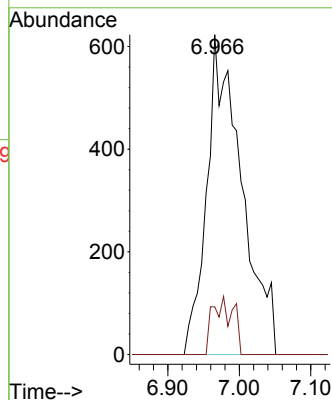


Tgt Ion: 43 Resp: 2098

Ion Ratio Lower Upper

43 100

72 14.9 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.131 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY016110.D

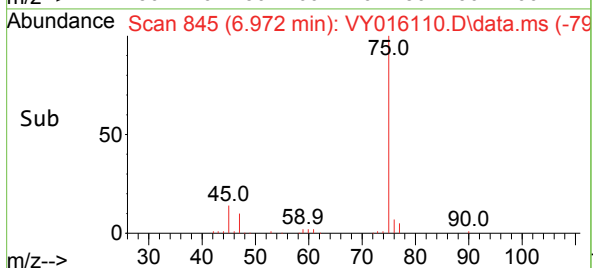
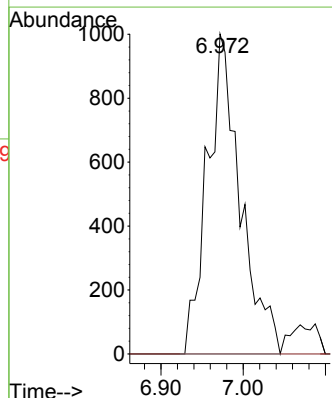
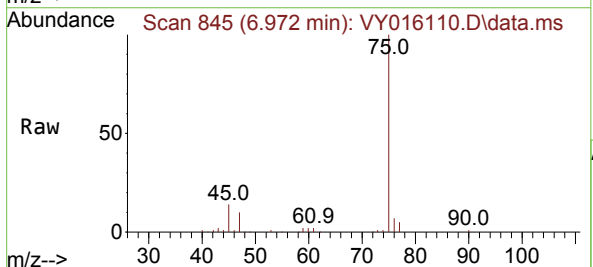
Acq: 27 Oct 2023 17:43

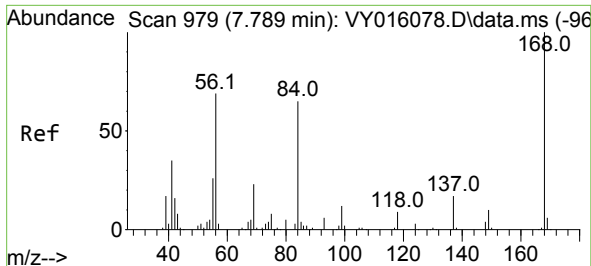
Tgt Ion: 77 Resp: 2794

Ion Ratio Lower Upper

77 100

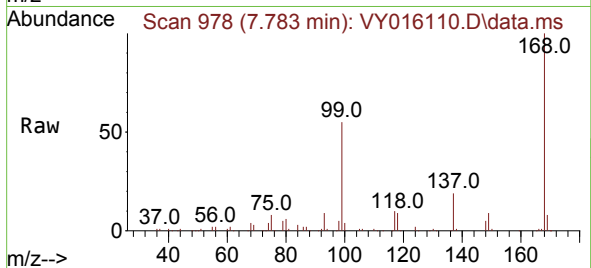
97 0.0 10.9 32.9#



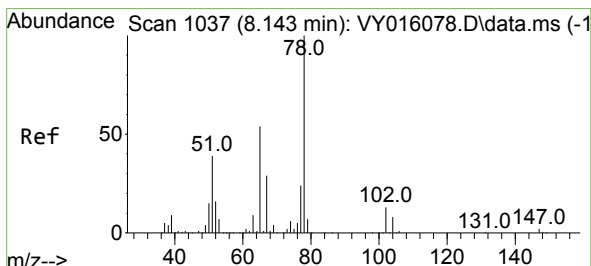
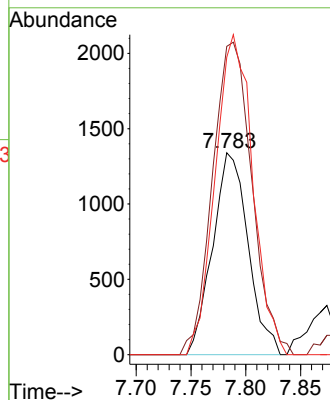
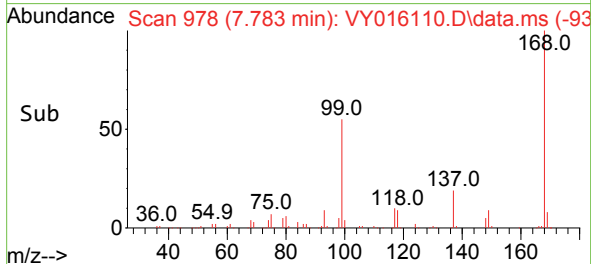


#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Instrument :
MSVOA_Y
ClientSampleId :

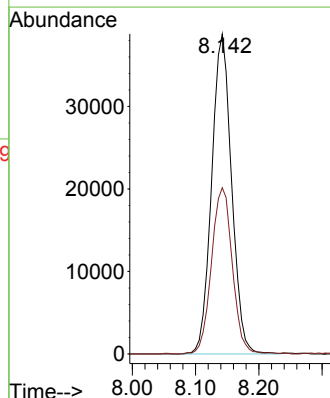
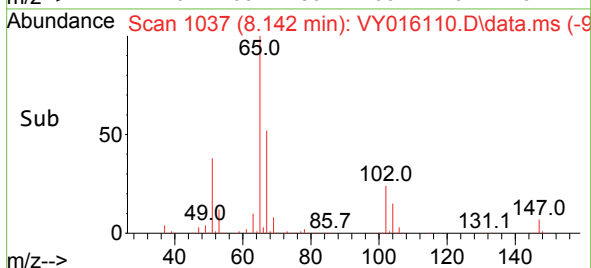
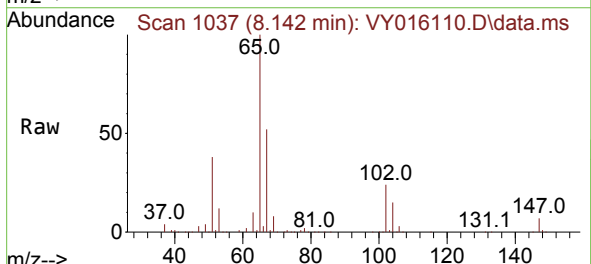


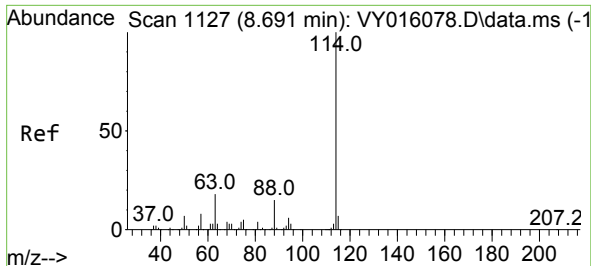
Tgt Ion: 56 Resp: 3013
Ion Ratio Lower Upper
56 100
69 152.7 27.8 41.6#
84 147.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.463 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Tgt Ion: 65 Resp: 84760
Ion Ratio Lower Upper
65 100
67 54.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

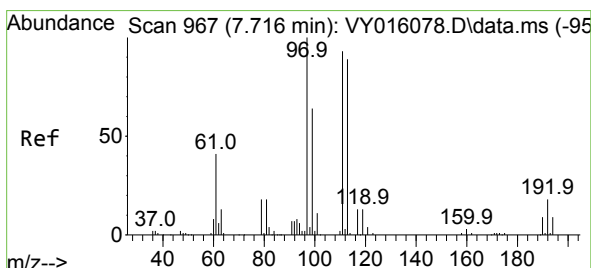
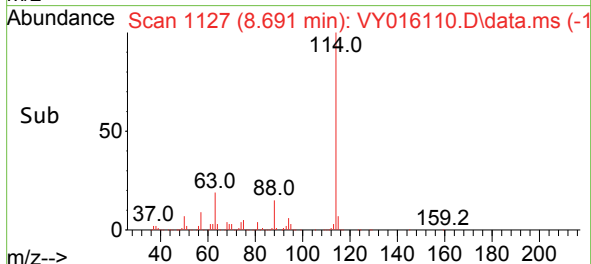
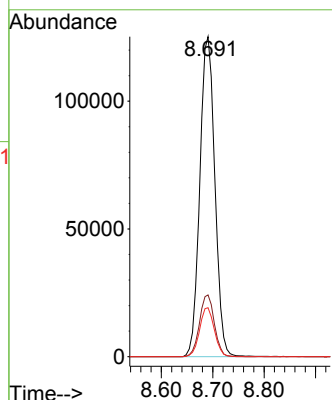
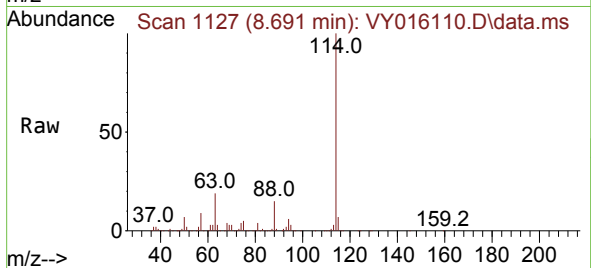
Tgt Ion:114 Resp: 254406

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.817 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

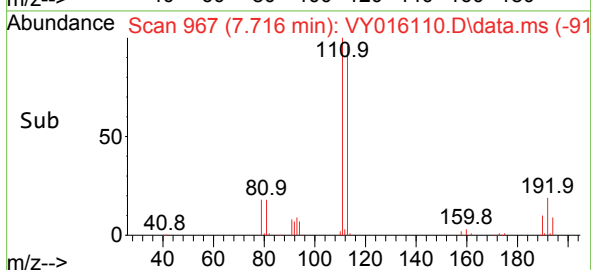
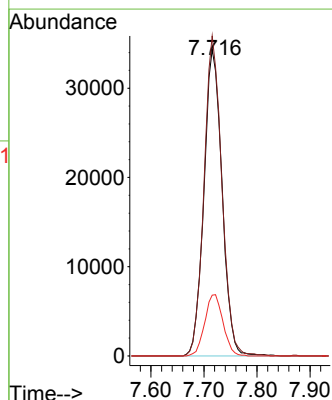
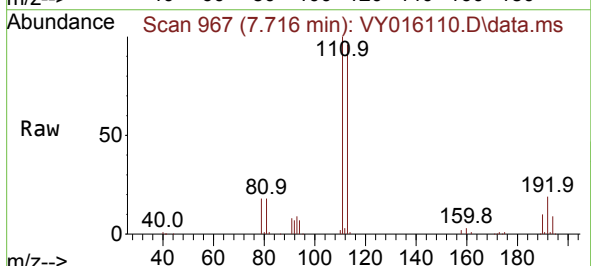
Tgt Ion:113 Resp: 81615

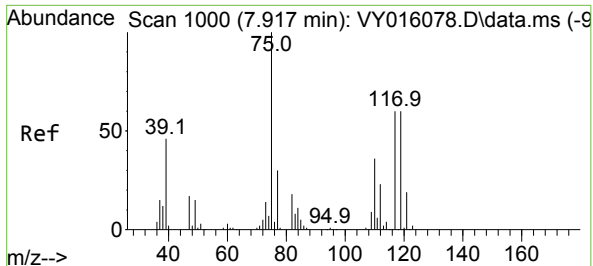
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

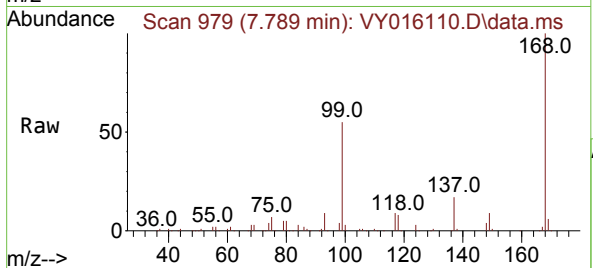
192 20.2 16.9 25.3



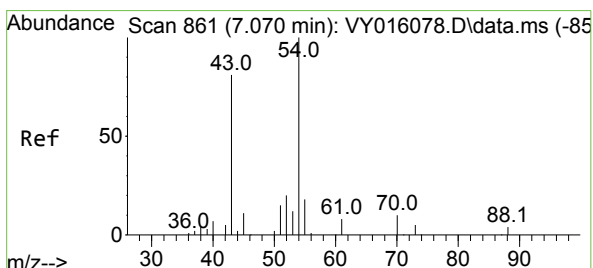
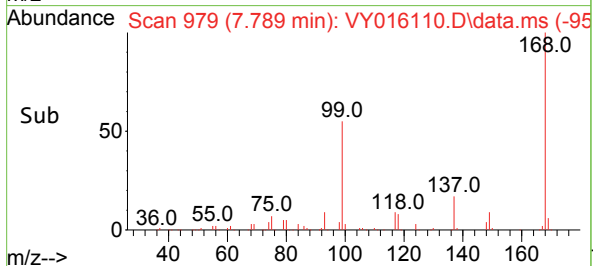
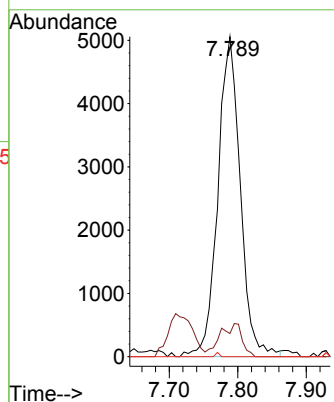


#36
1,1-Dichloropropene
Concen: 5.120 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Instrument :
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ClientSampleId :

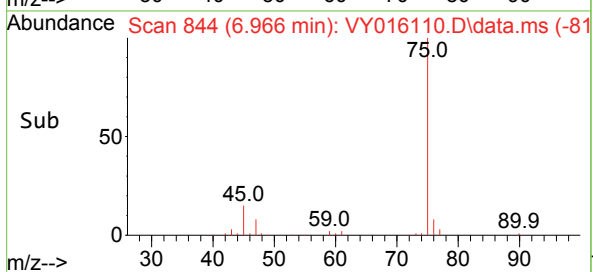
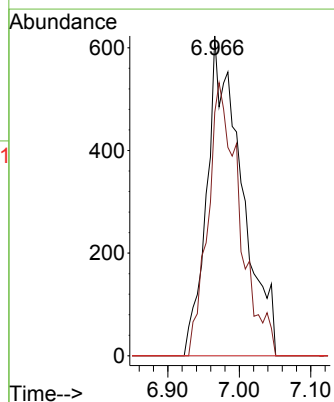
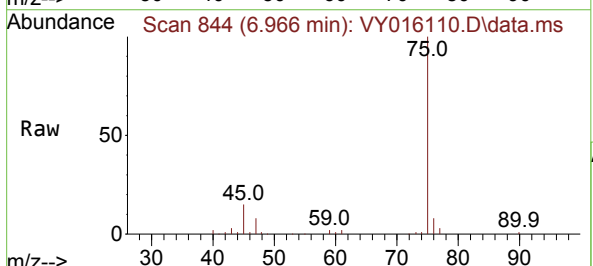


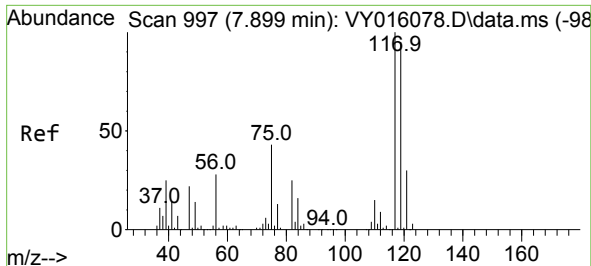
Tgt Ion: 75 Resp: 11462
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.828 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.104 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

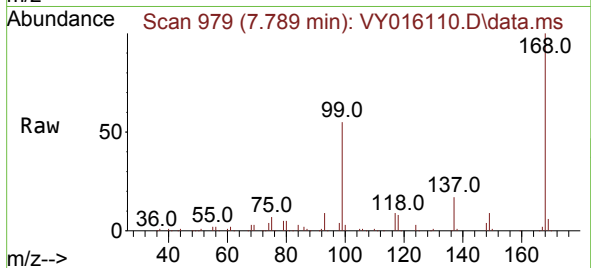
Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
61 77.9 10.1 15.1#
70 0.0 7.1 10.7#



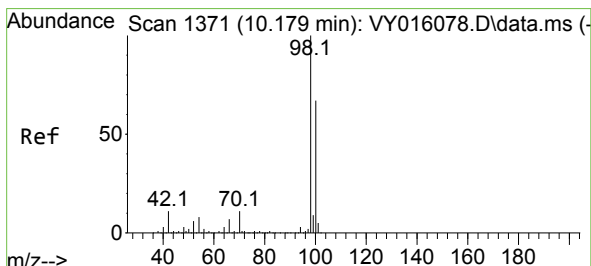
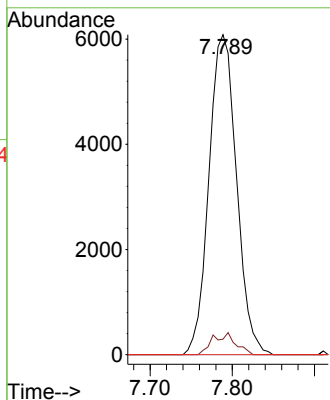
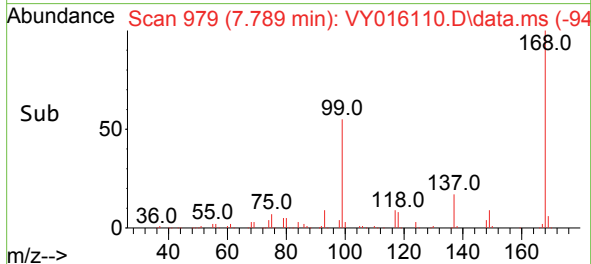


#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Instrument :
MSVOA_Y
ClientSampleId :

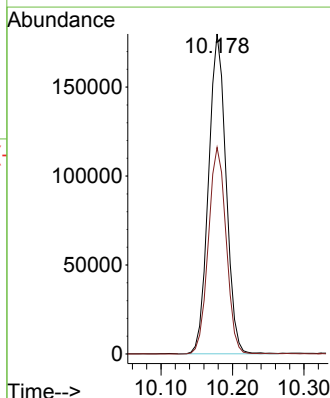
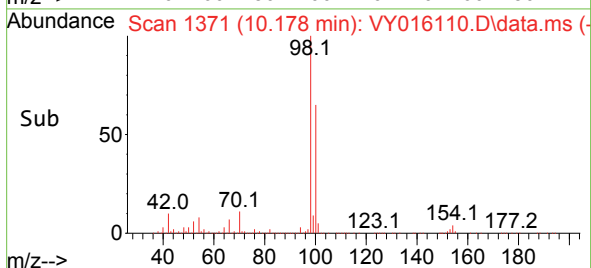
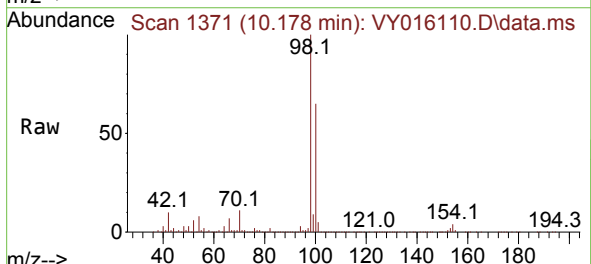


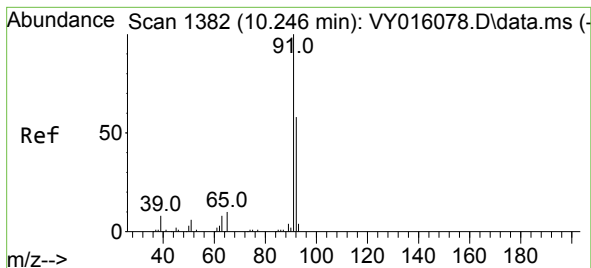
Tgt Ion:117 Resp: 14177
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.324 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY016110.D
Acq: 27 Oct 2023 17:43

Tgt Ion: 98 Resp: 305331
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





#52

Toluene

Concen: 1.287 ug/l

RT: 10.239 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

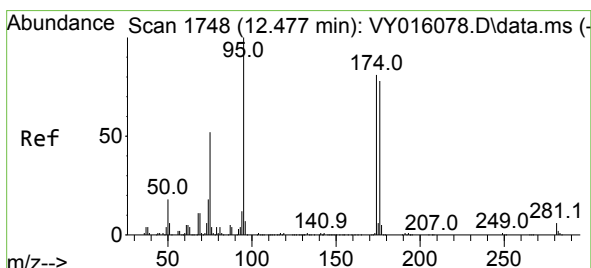
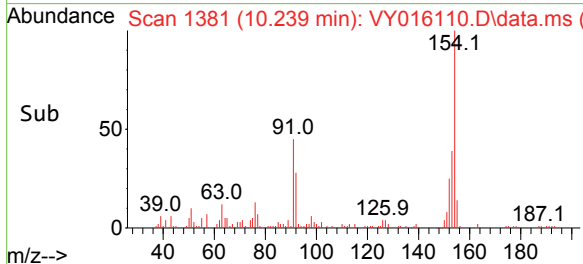
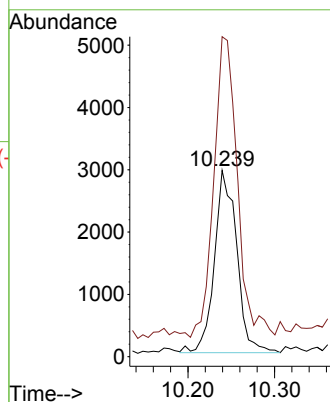
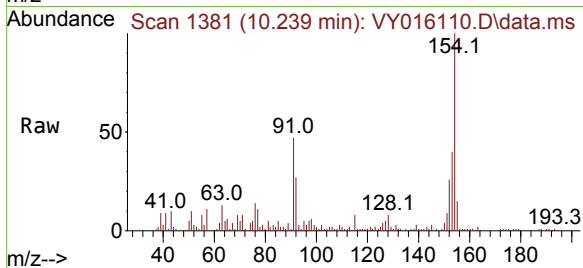
ClientSampleId :

Tgt Ion: 92 Resp: 5238

Ion Ratio Lower Upper

92 100

91 173.9 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 54.281 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

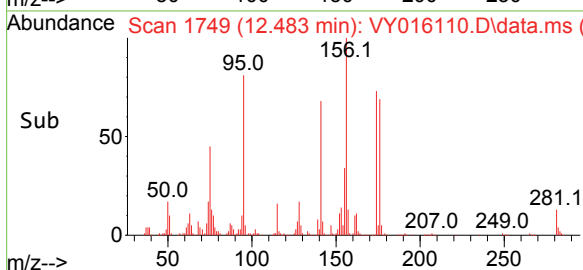
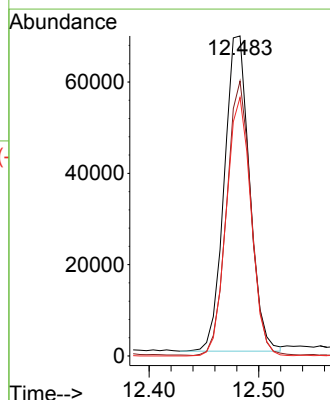
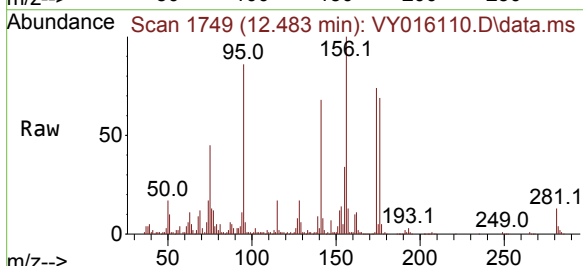
Tgt Ion: 95 Resp: 110770

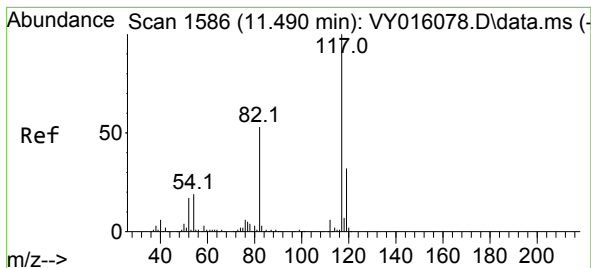
Ion Ratio Lower Upper

95 100

174 83.9 0.0 178.2

176 80.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

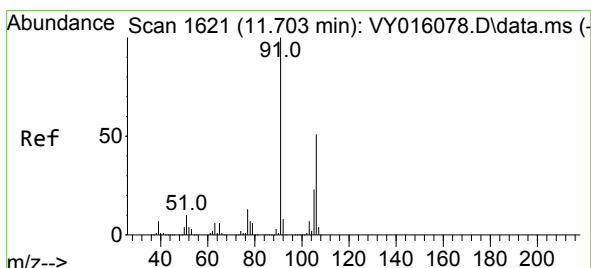
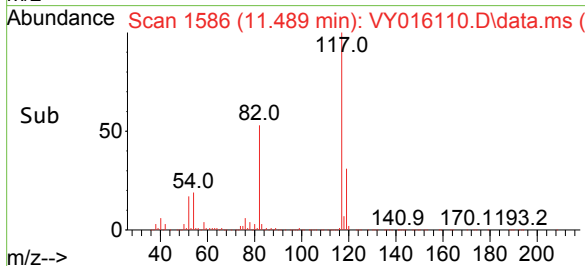
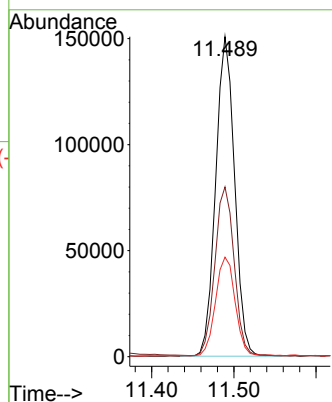
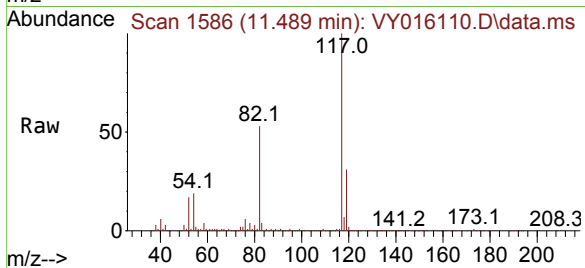
Tgt Ion:117 Resp: 240753

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 30.9 26.3 39.5



#68

m/p-Xylenes

Concen: 1.387 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY016110.D

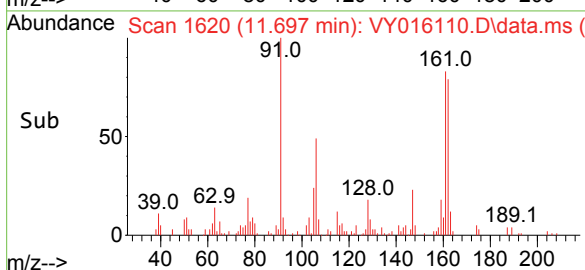
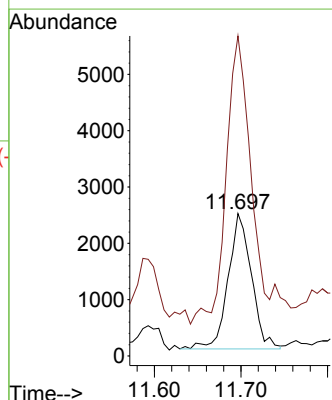
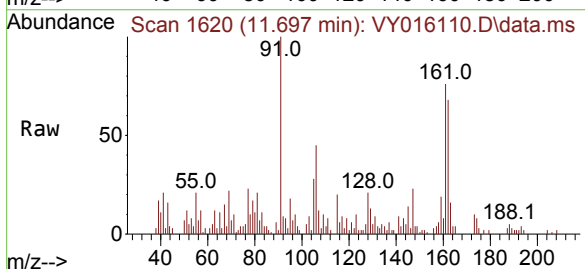
Acq: 27 Oct 2023 17:43

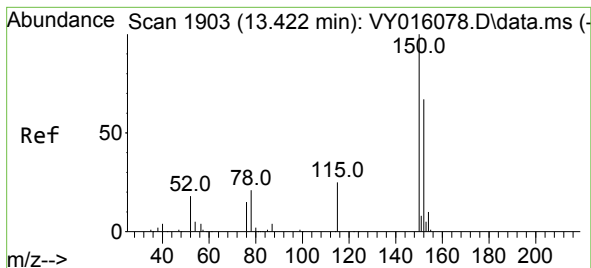
Tgt Ion:106 Resp: 4511

Ion Ratio Lower Upper

106 100

91 222.6 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

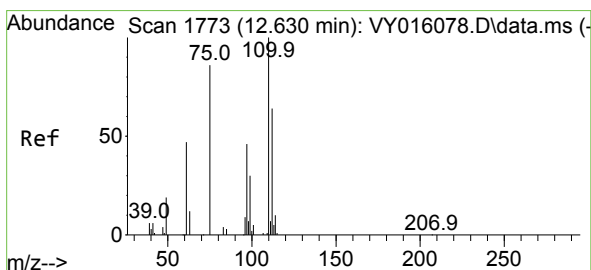
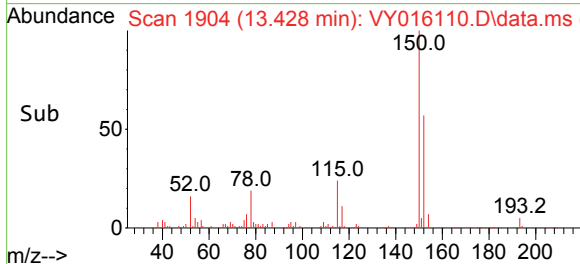
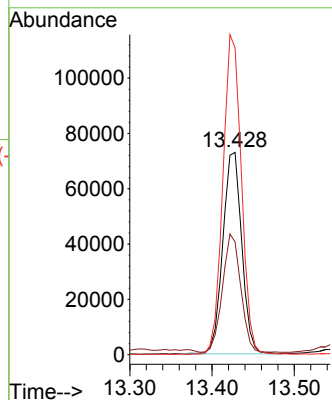
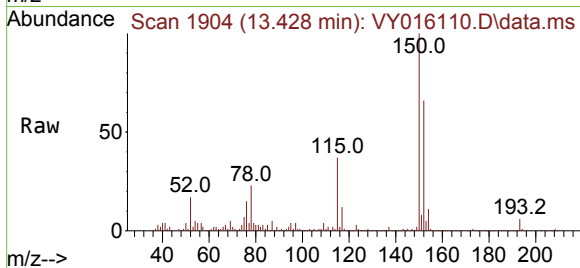
Tgt Ion:152 Resp: 116474

Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 155.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 56.241 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY016110.D

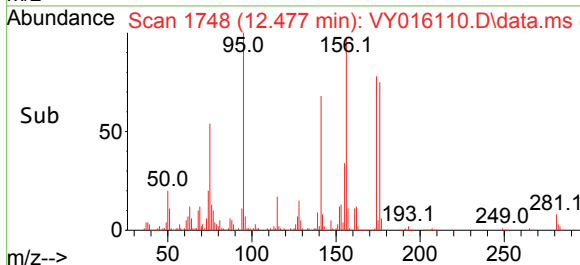
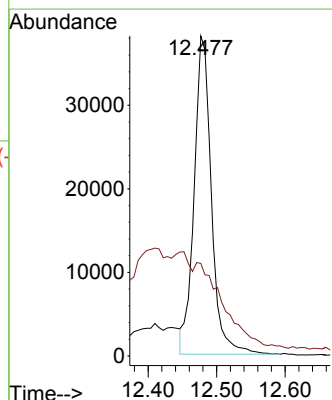
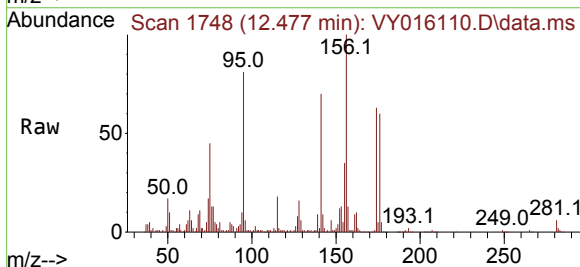
Acq: 27 Oct 2023 17:43

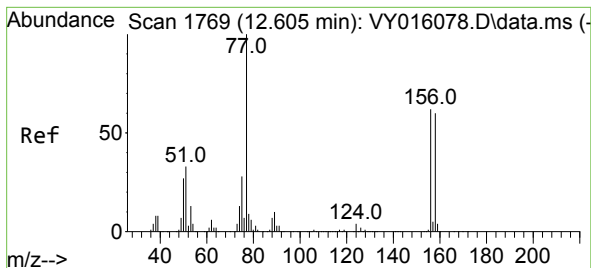
Tgt Ion: 75 Resp: 66879

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 204.753 ug/l

RT: 12.410 min Scan# 1737

Delta R.T. -0.195 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

ClientSampleId :

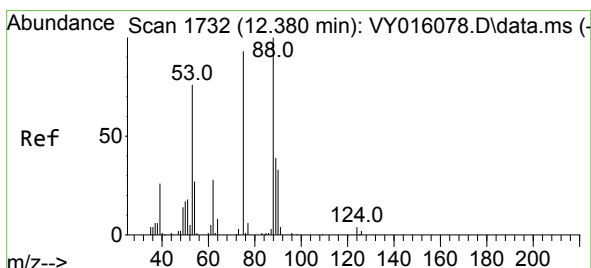
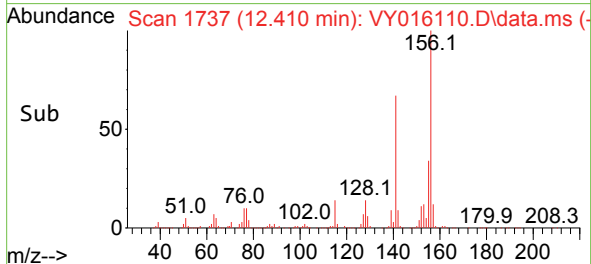
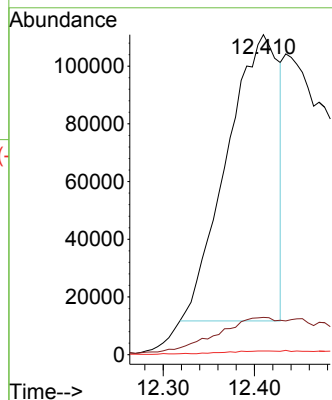
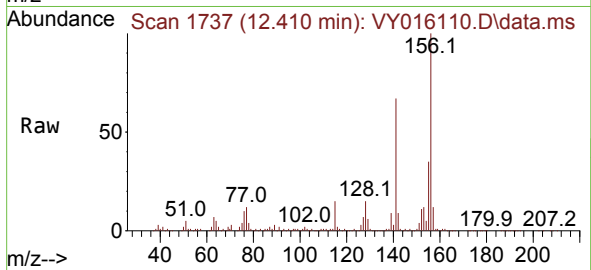
Tgt Ion:156 Resp: 391703

Ion Ratio Lower Upper

156 100

77 12.0 92.8 278.6#

158 0.9 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 26.120 ug/l

RT: 12.410 min Scan# 1737

Delta R.T. 0.030 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

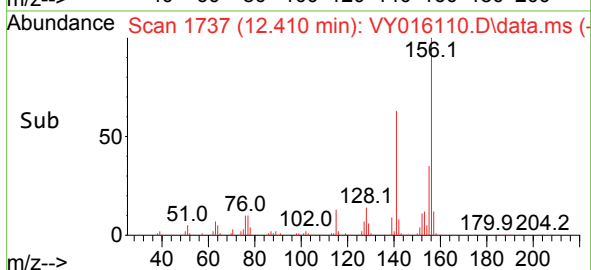
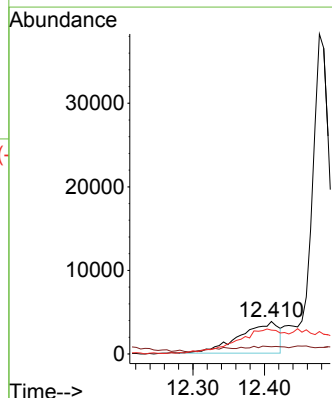
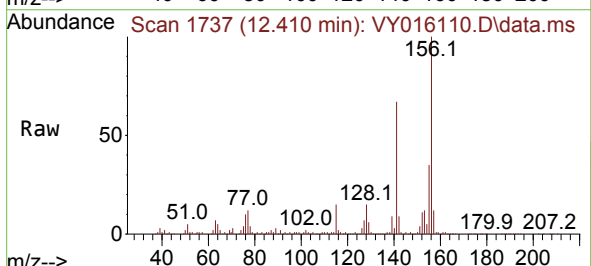
Tgt Ion: 75 Resp: 14293

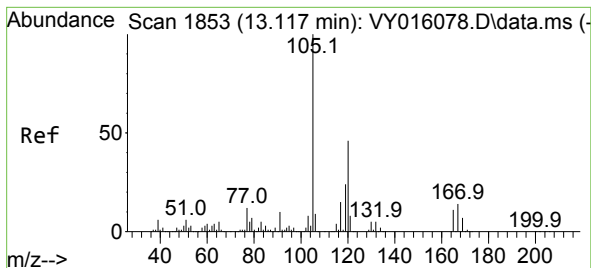
Ion Ratio Lower Upper

75 100

53 8.8 77.8 116.8#

89 96.7 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.860 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

Instrument :

MSVOA_Y

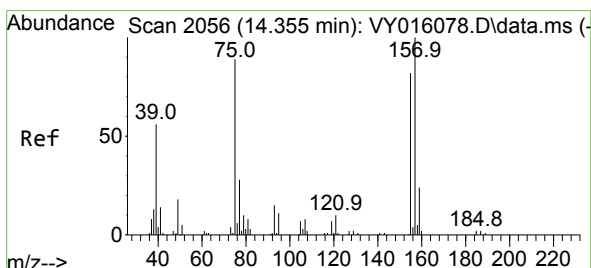
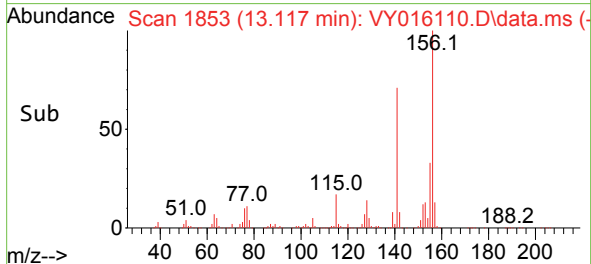
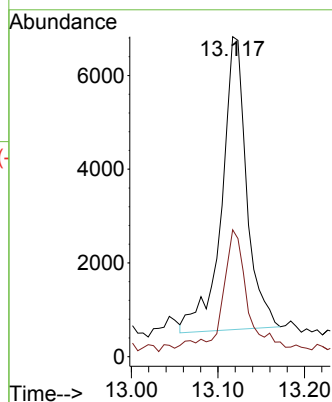
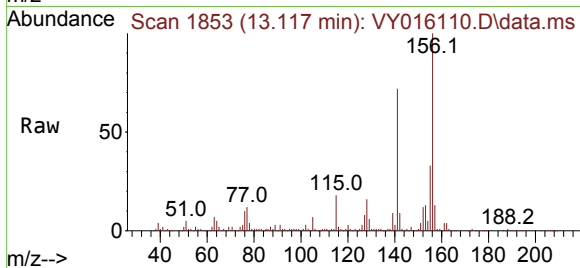
ClientSampleId :

Tgt Ion:105 Resp: 12499

Ion Ratio Lower Upper

105 100

120 35.5 22.2 66.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.917 ug/l

RT: 14.300 min Scan# 2047

Delta R.T. -0.055 min

Lab File: VY016110.D

Acq: 27 Oct 2023 17:43

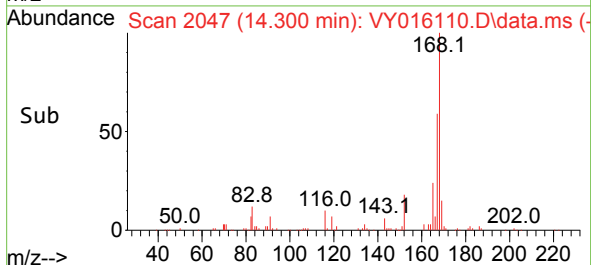
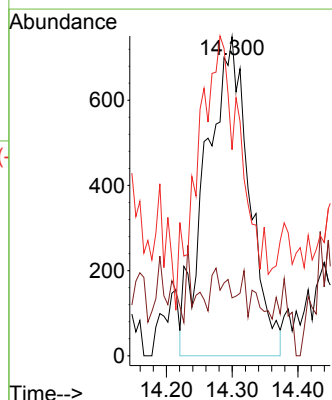
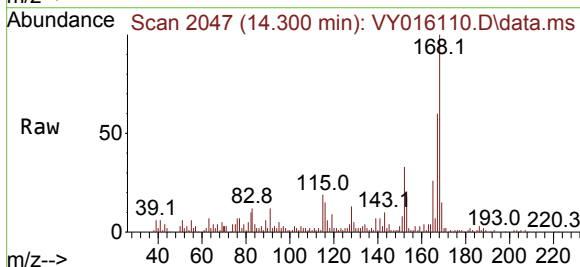
Tgt Ion: 75 Resp: 3398

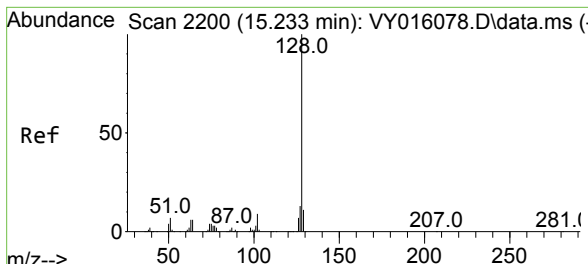
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

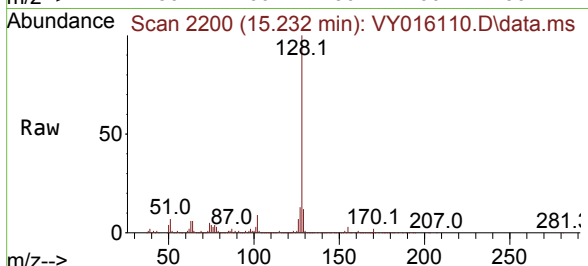
157 0.0 51.8 155.5#





#95
 Naphthalene
 Concen: 54.884 ug/l
 RT: 15.232 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY016110.D
 Acq: 27 Oct 2023 17:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 226484

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.8	8.6	13.0

