

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010960.D
 Acq On : 13 Oct 2022 16:10
 Operator : KP/MD
 Sample : N5118-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-2-101222

Quant Time: Oct 14 02:11:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

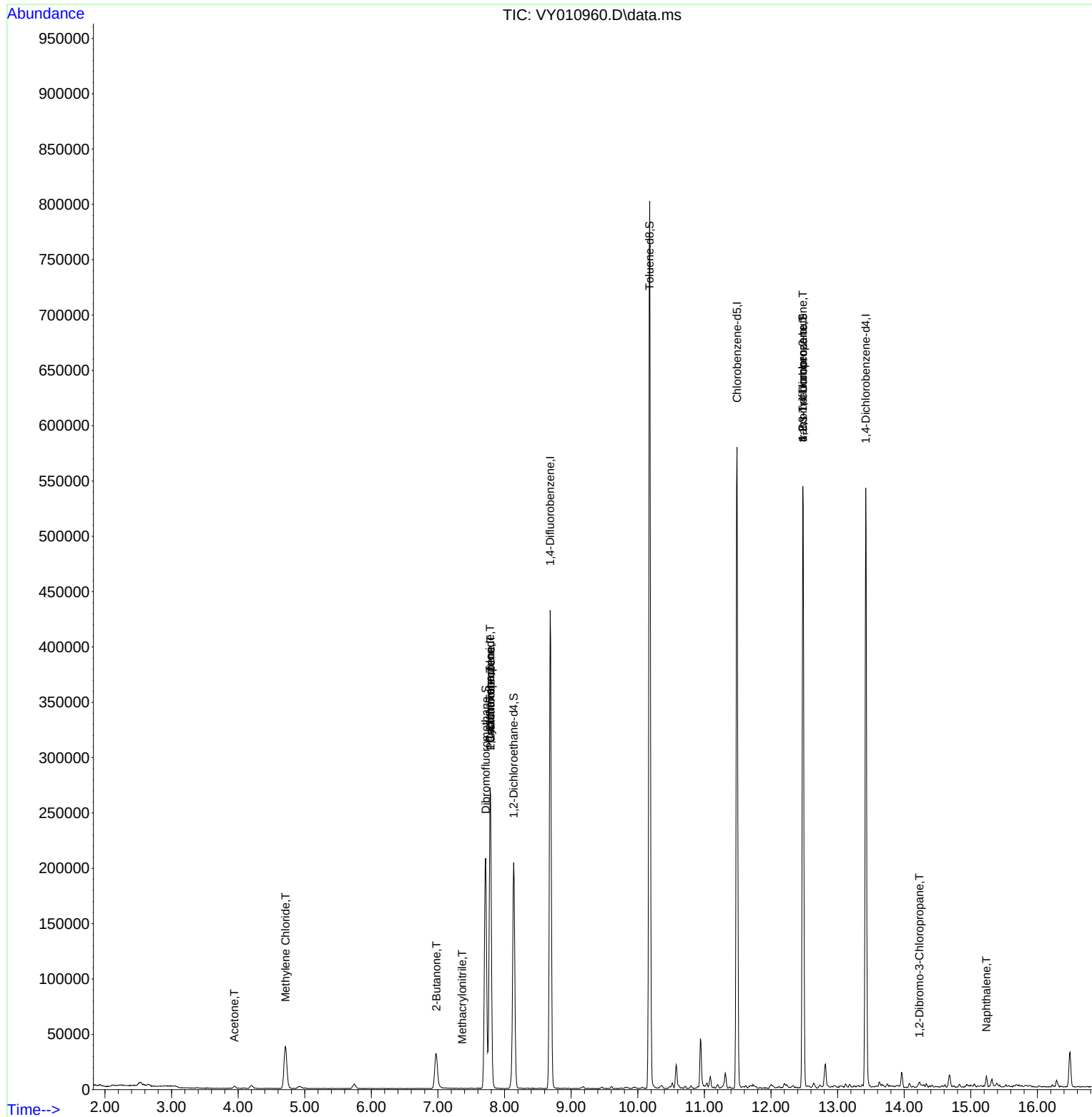
Internal Standards						
1) Pentafluorobenzene	7.789	168	211863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	367381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	153232	71.354	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.700%			
35) Dibromofluoromethane	7.716	113	150210	61.594	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.180%			
50) Toluene-d8	10.179	98	522766	62.681	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 125.360%			
62) 4-Bromofluorobenzene	12.477	95	167623	51.559	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2725	Below Cal	#	77
16) Acetone	3.942	43	3440	6.307	ug/l #	78
20) Methylene Chloride	4.710	84	29553	7.978	ug/l #	81
25) 2-Butanone	6.978	43	2258	2.880	ug/l #	91
31) Cyclohexane	7.783	56	4216	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16928	4.808	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21017	5.732	ug/l #	15
41) Methacrylonitrile	7.362	41	70	2.647	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	84004	60.280	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84004	125.920	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.227	75	307	1.010	ug/l #	6
95) Naphthalene	15.233	128	8058	1.755	ug/l	97

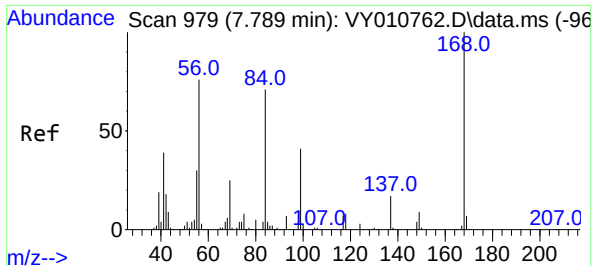
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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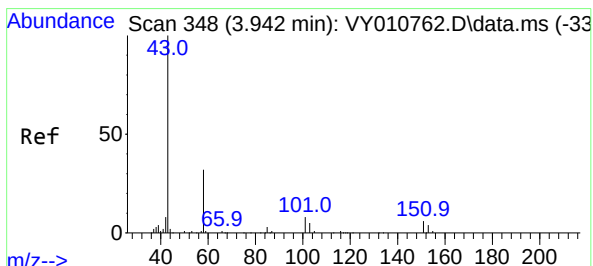
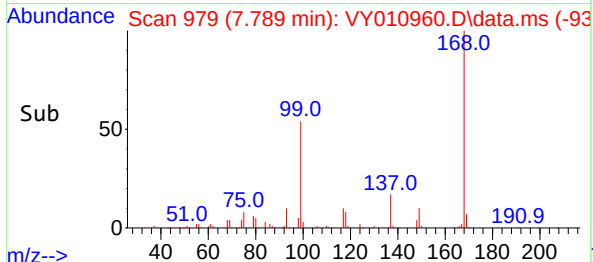
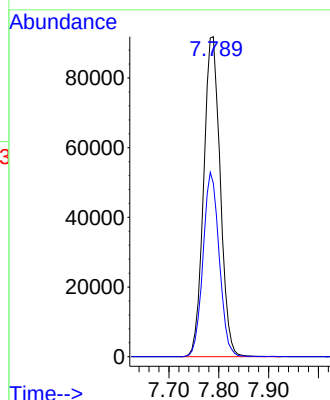
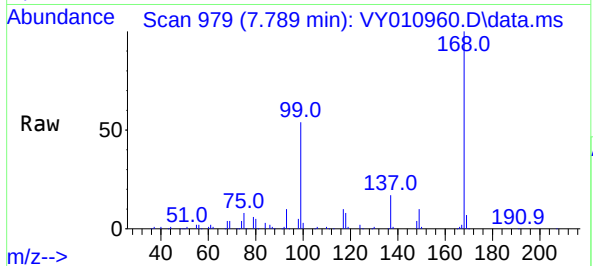




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

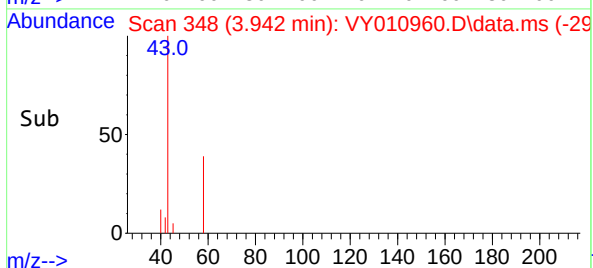
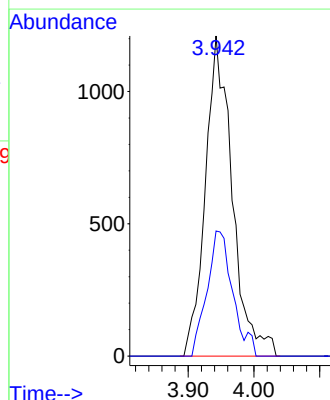
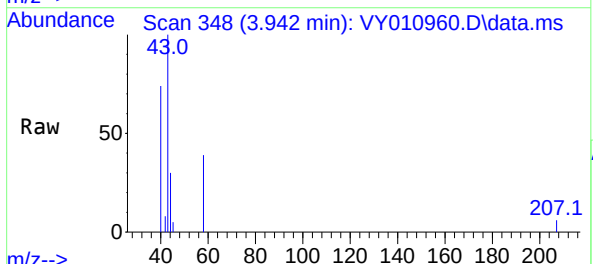
Instrument :
MSVOA_Y
ClientSampleId :
SU-2-101222

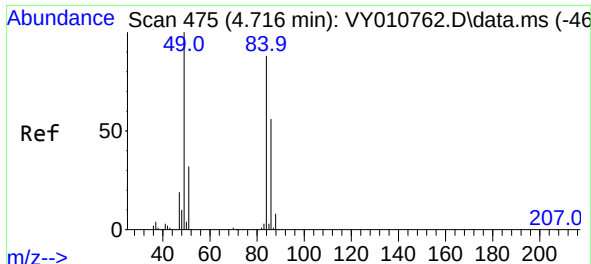
Tgt Ion:168 Resp: 211863
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#16
Acetone
Concen: 6.307 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

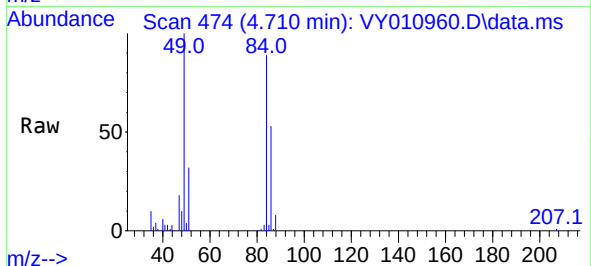
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 39.1 22.0 33.0#



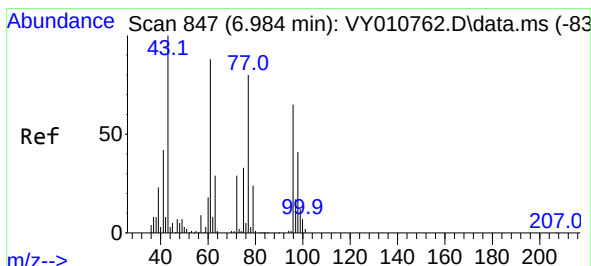
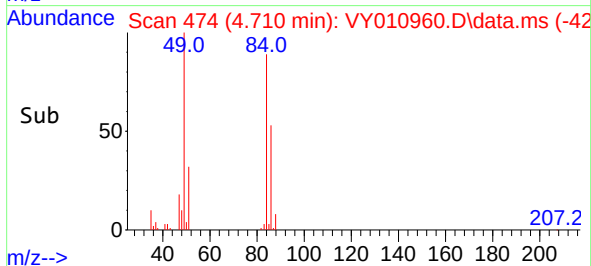
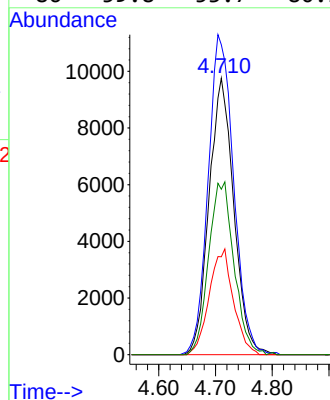


#20
Methylene Chloride
Concen: 7.978 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Instrument :
MSVOA_Y
ClientSampleId :
SU-2-101222

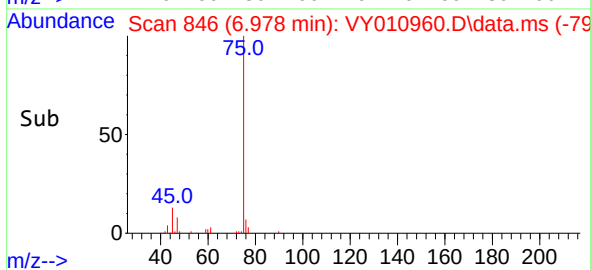
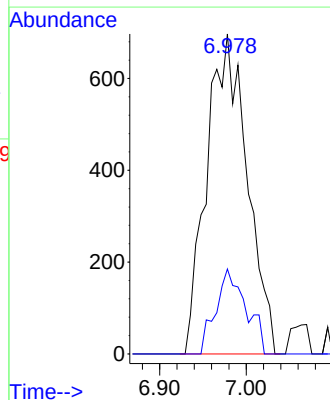
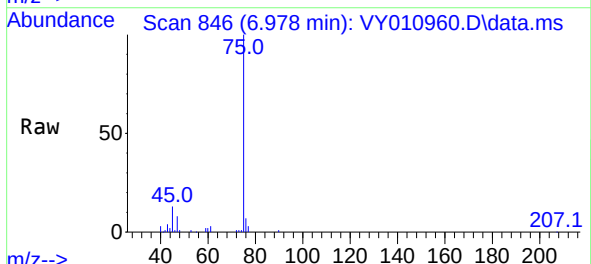


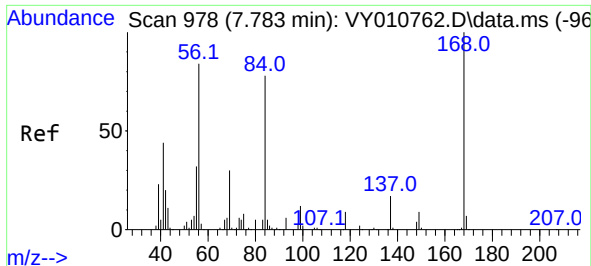
Tgt Ion: 84 Resp: 29553
Ion Ratio Lower Upper
84 100
49 112.1 114.4 171.6#
51 35.4 35.3 52.9
86 59.8 53.7 80.5



#25
2-Butanone
Concen: 2.880 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
72 26.5 17.7 26.5#

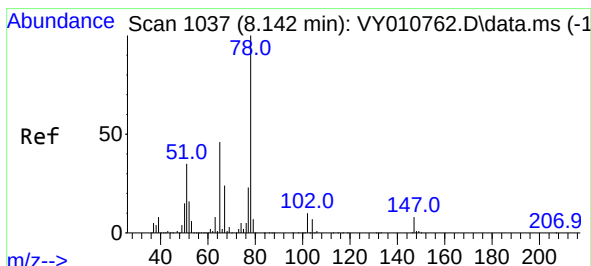
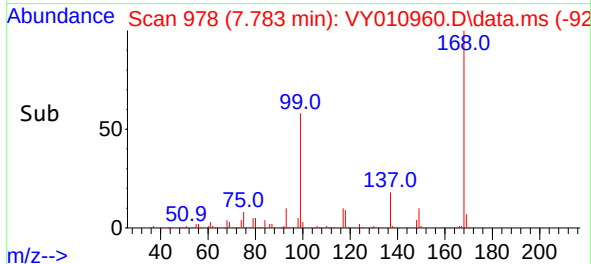
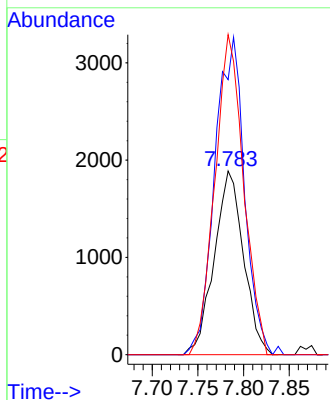
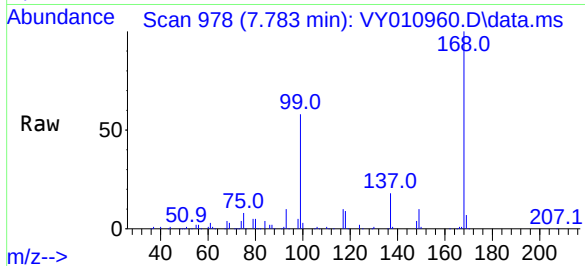




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

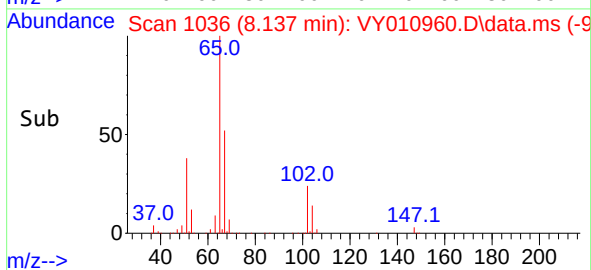
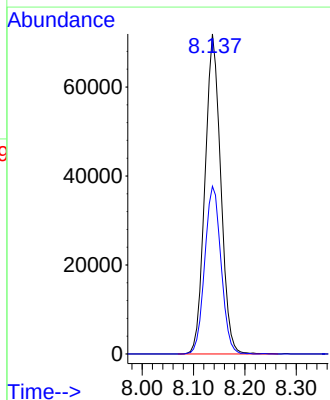
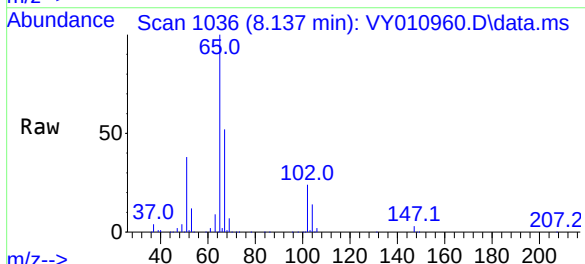
Instrument :
MSVOA_Y
ClientSampleId :
SU-2-101222

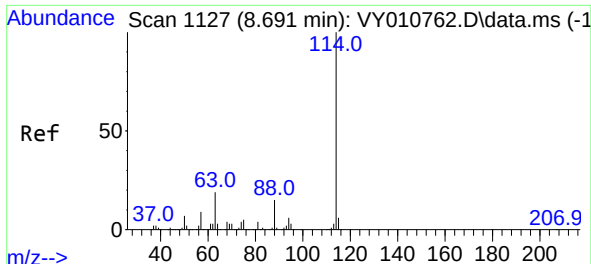
Tgt Ion: 56 Resp: 4216
Ion Ratio Lower Upper
56 100
69 149.7 26.7 40.1#
84 174.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 71.354 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Tgt Ion: 65 Resp: 153232
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010960.D

Acq: 13 Oct 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

SU-2-101222

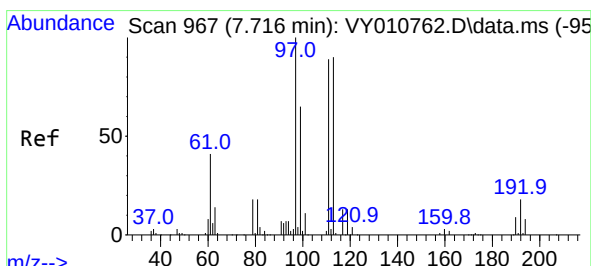
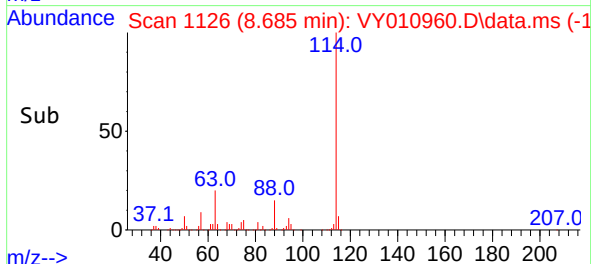
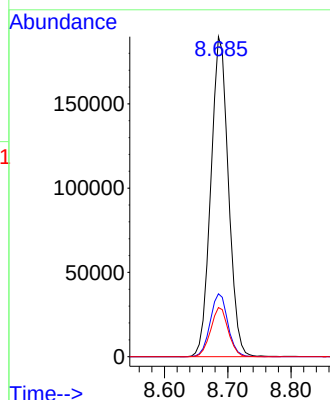
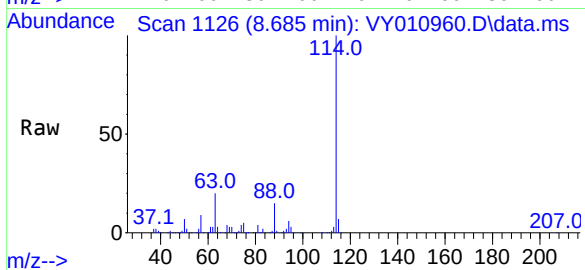
Tgt Ion:114 Resp: 367381

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.594 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010960.D

Acq: 13 Oct 2022 16:10

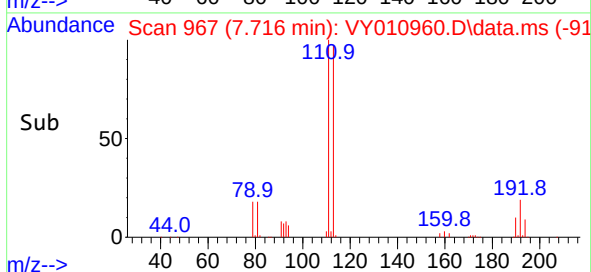
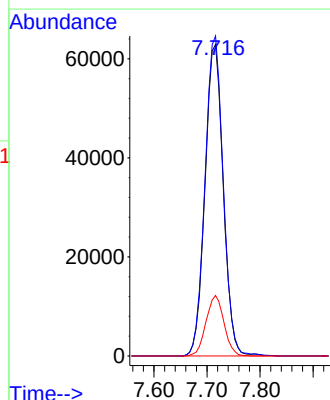
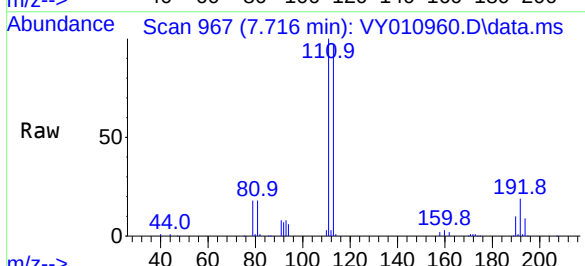
Tgt Ion:113 Resp: 150210

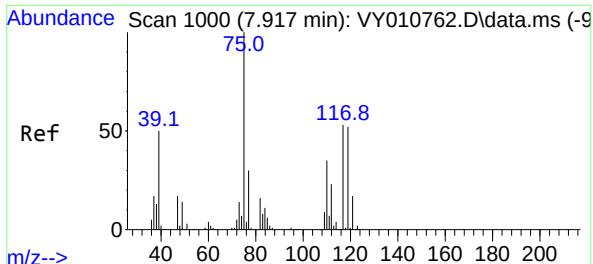
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010960.D

Acq: 13 Oct 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

SU-2-101222

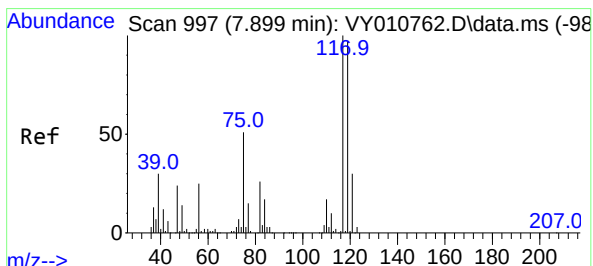
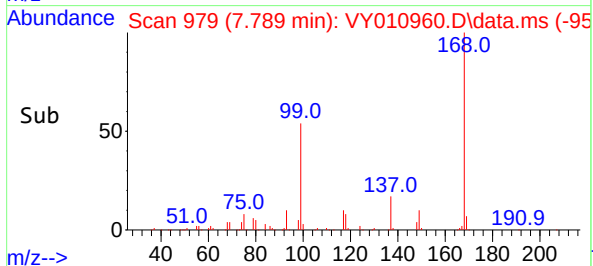
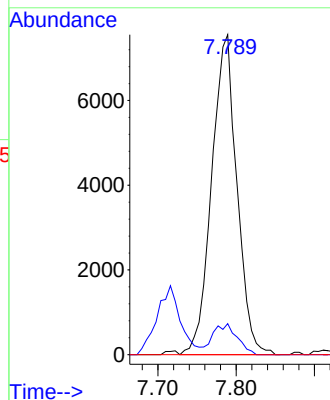
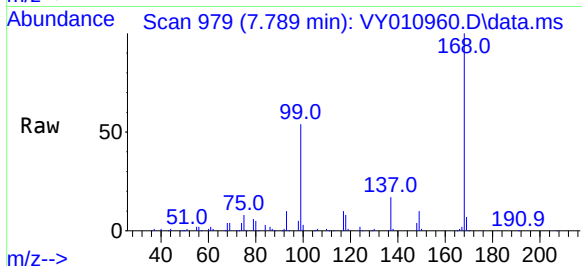
Tgt Ion: 75 Resp: 16928

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.732 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010960.D

Acq: 13 Oct 2022 16:10

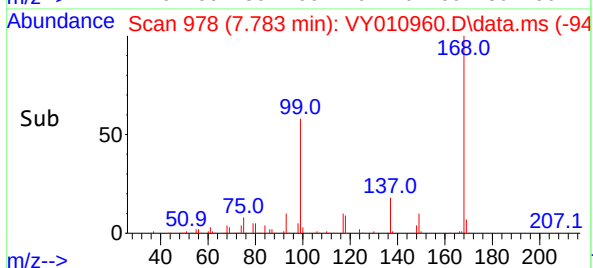
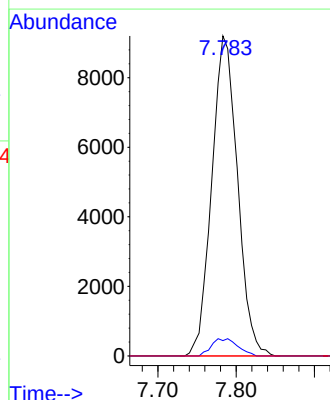
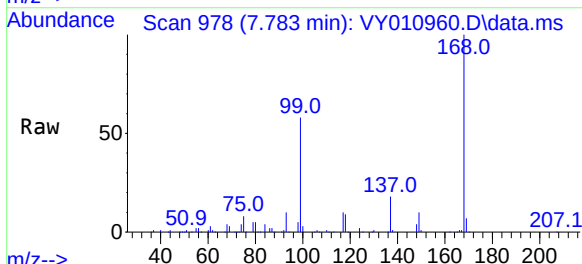
Tgt Ion: 117 Resp: 21017

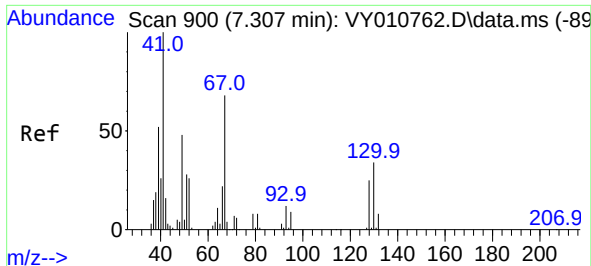
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#

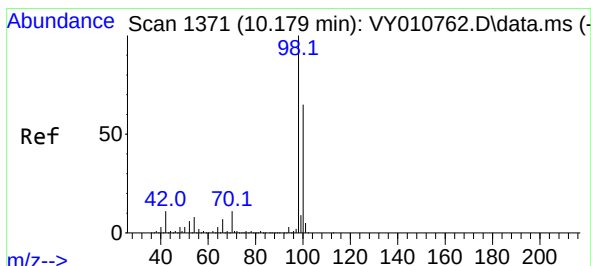
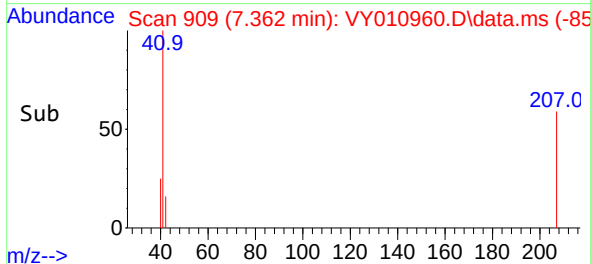
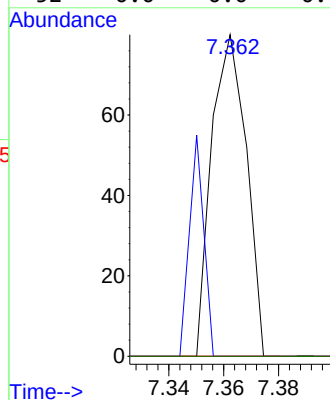
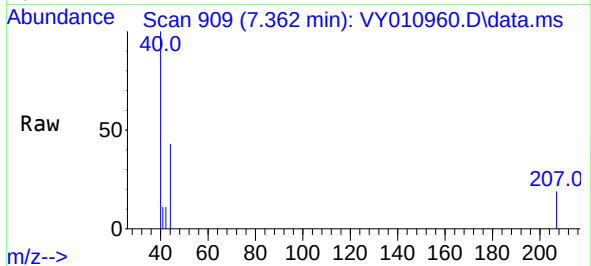




#41
Methacrylonitrile
Concen: 2.647 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.055 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

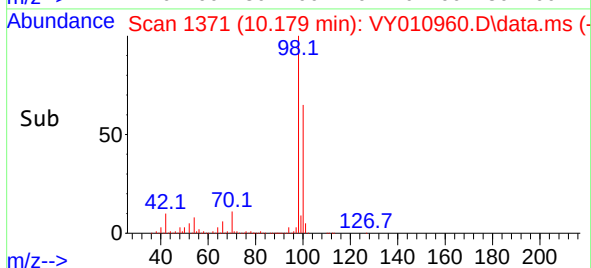
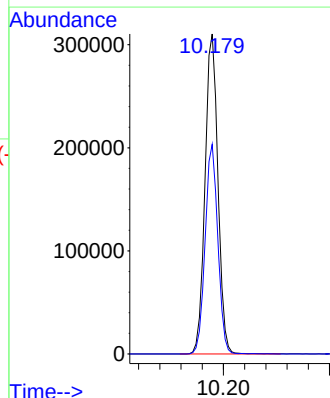
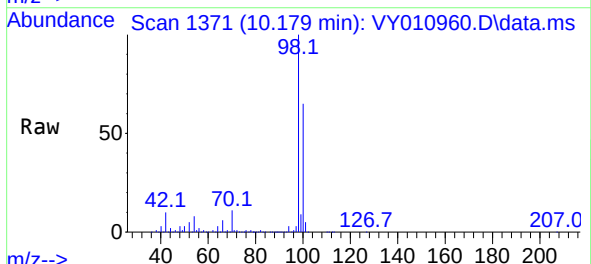
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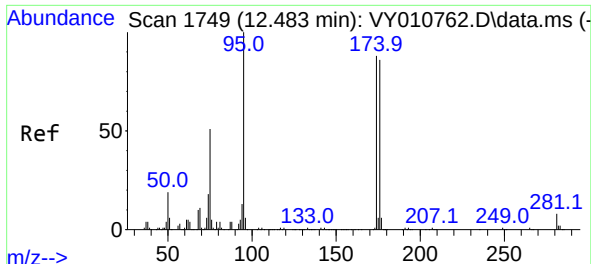
Tgt Ion:	41	Resp:	70
Ion	Ratio	Lower	Upper
41	100		
39	28.6	92.9	139.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 62.681 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Tgt Ion:	98	Resp:	522766
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.2	75.2

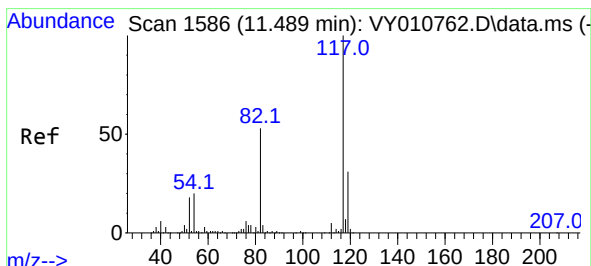
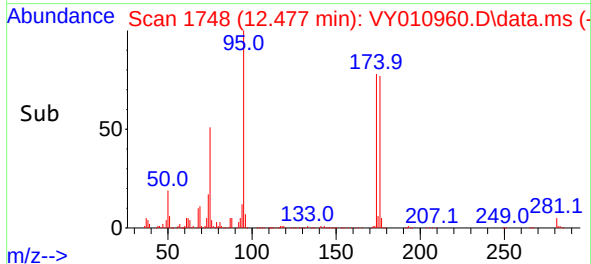
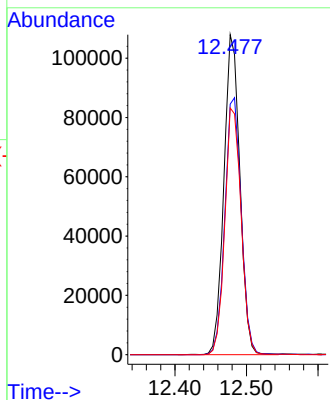
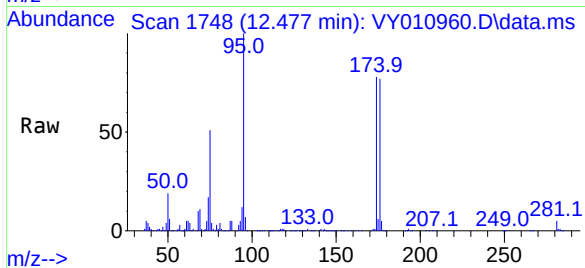




#62
4-Bromofluorobenzene
Concen: 51.559 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

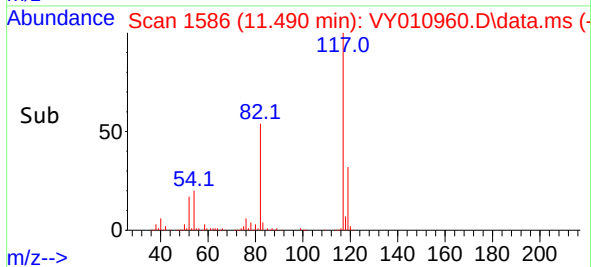
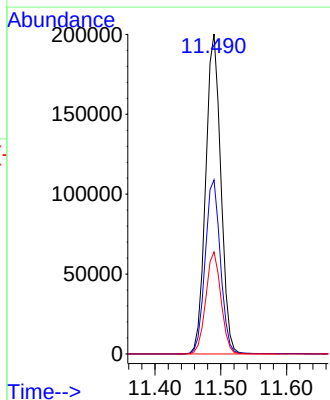
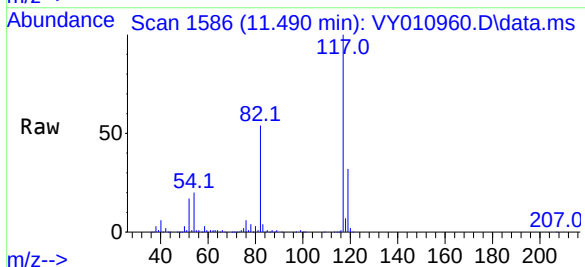
Instrument :
MSVOA_Y
ClientSampleId :
SU-2-101222

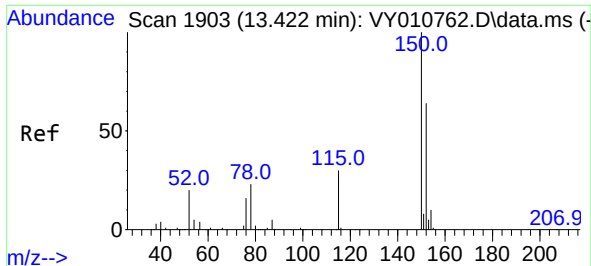
Tgt Ion: 95 Resp: 167623
Ion Ratio Lower Upper
95 100
174 82.0 0.0 177.0
176 78.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Tgt Ion: 117 Resp: 321014
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 31.9 25.4 38.0

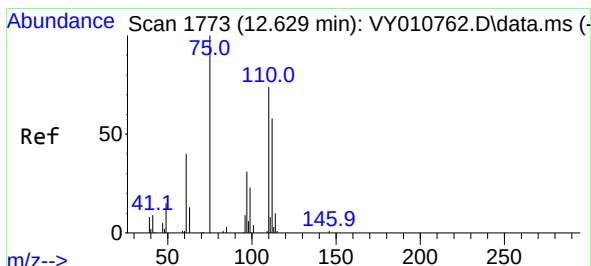
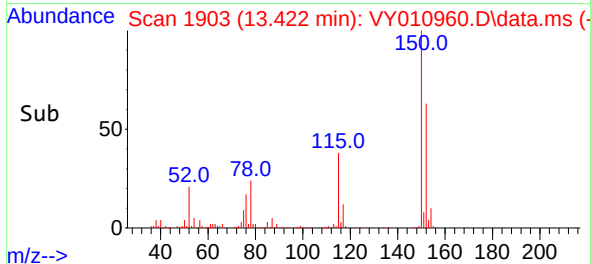
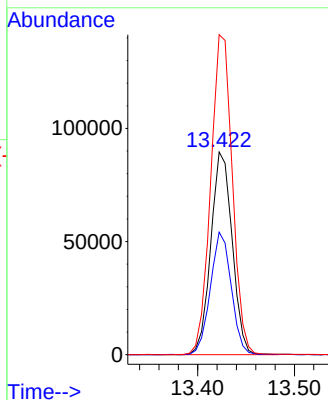
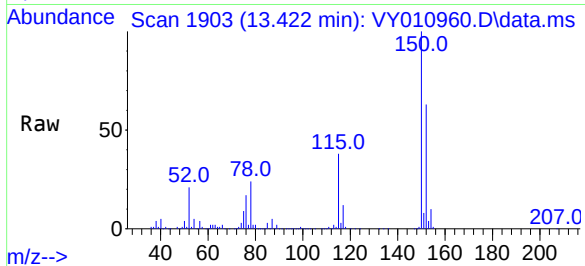




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

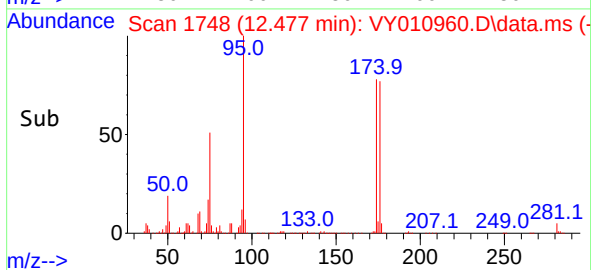
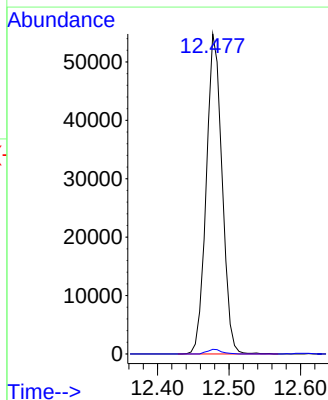
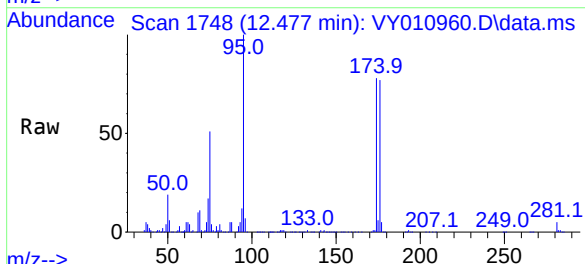
Instrument :
MSVOA_Y
ClientSampleId :
SU-2-101222

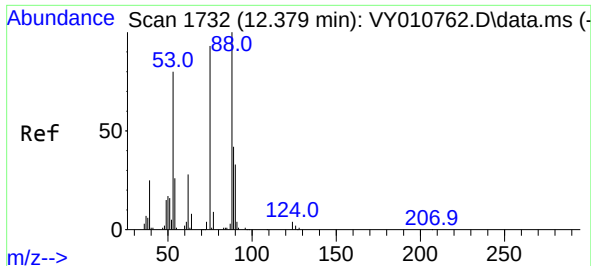
Tgt Ion:152 Resp: 137610
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 160.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 60.280 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Tgt Ion: 75 Resp: 84004
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

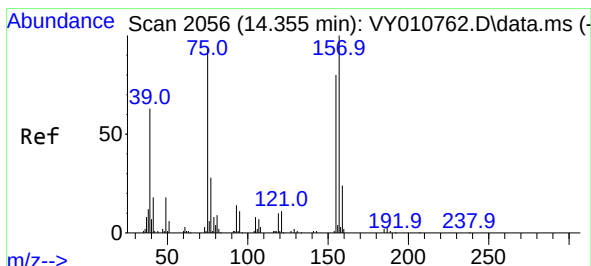
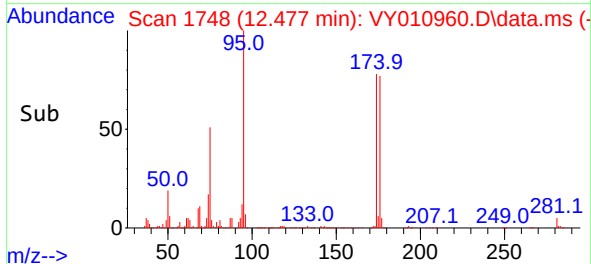
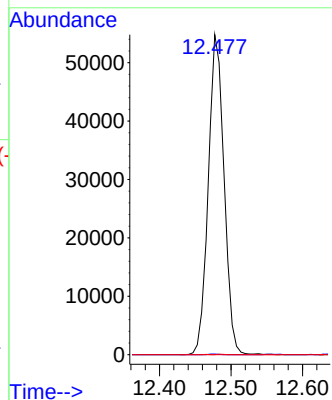
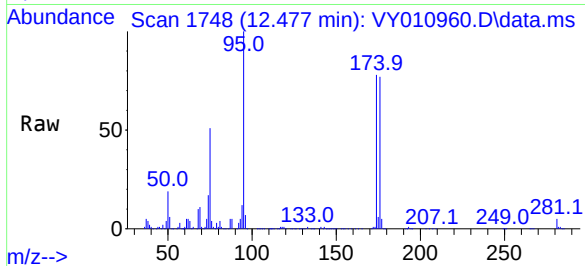




#81
trans-1,4-Dichloro-2-butene
Concen: 125.920 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

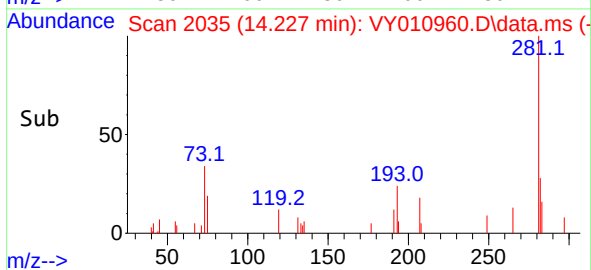
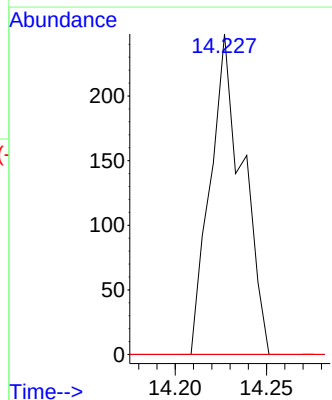
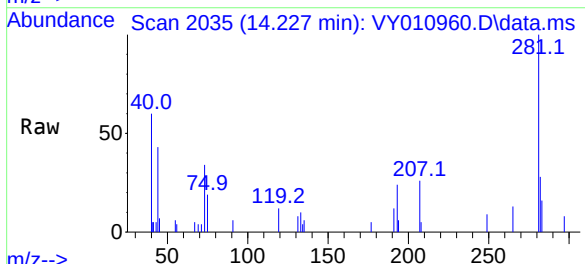
Instrument :
MSVOA_Y
ClientSampleId :
SU-2-101222

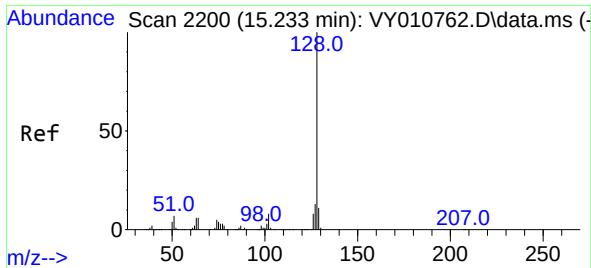
Tgt Ion: 75 Resp: 84004
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.010 ug/l
RT: 14.227 min Scan# 2035
Delta R.T. -0.128 min
Lab File: VY010960.D
Acq: 13 Oct 2022 16:10

Tgt Ion: 75 Resp: 307
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 1.755 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010960.D

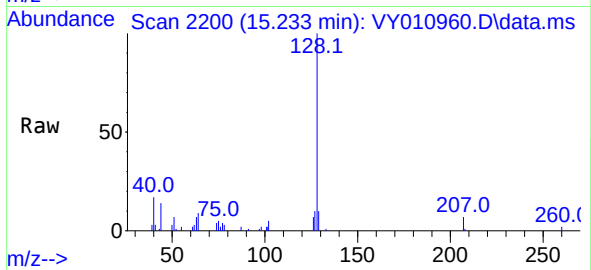
Acq: 13 Oct 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

SU-2-101222



Tgt Ion:128 Resp: 8058

Ion Ratio Lower Upper

128 100

127 12.3 11.0 16.4

129 9.7 8.4 12.6

