

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013986.D
 Acq On : 02 Jun 2023 13:46
 Operator : KP/MD
 Sample : 03002-08
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB02

Quant Time: Jun 05 09:41:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	158209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	279695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134205	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116772	55.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.520%
35) Dibromofluoromethane	7.710	113	94037	54.211	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.420%
50) Toluene-d8	10.173	98	338879	51.216	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.440%
62) 4-Bromofluorobenzene	12.477	95	116322	51.567	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.140%

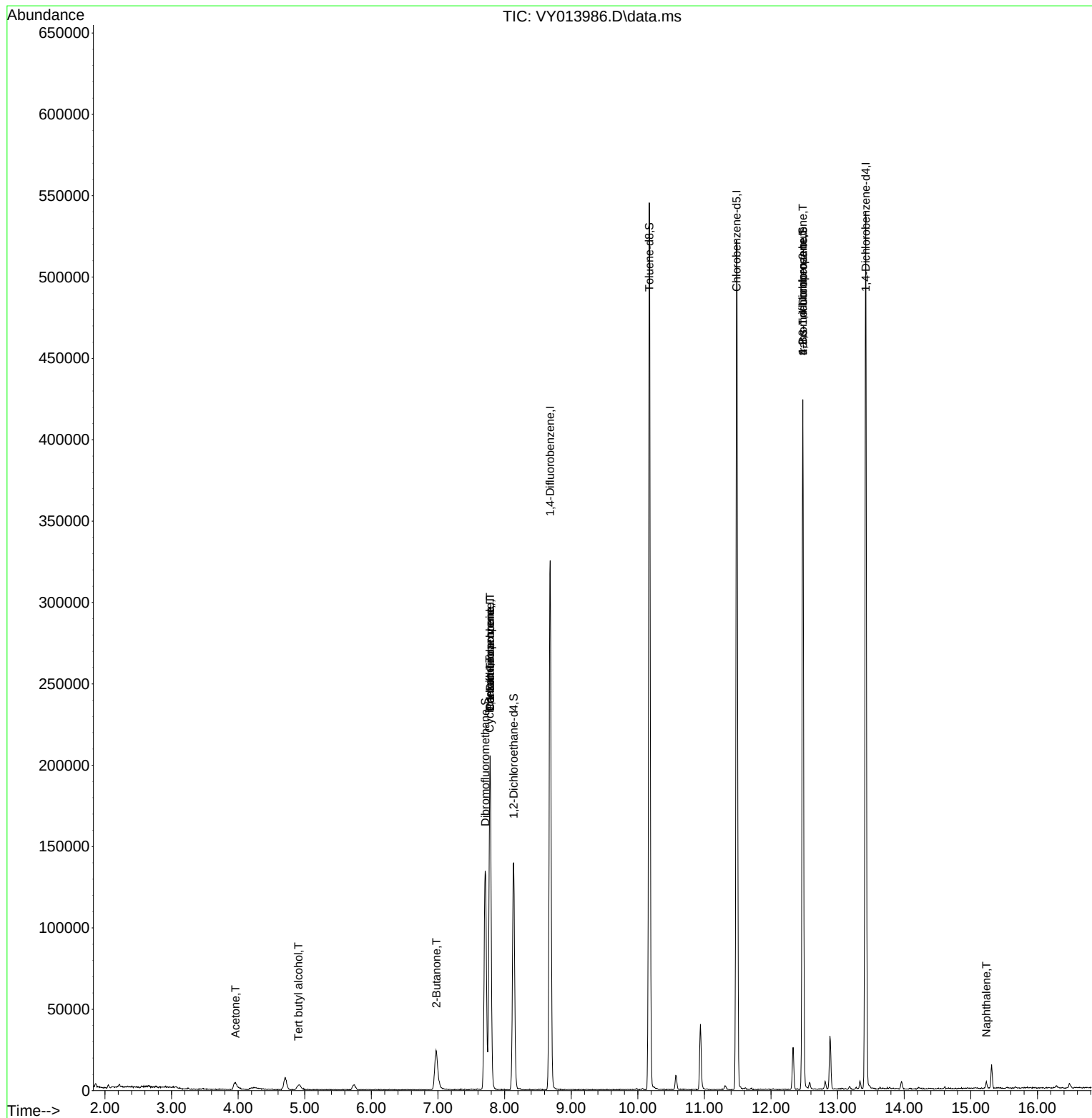
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.905	59	1830	4.252	ug/l #	89
16) Acetone	3.960	43	10234	14.283	ug/l #	79
20) Methylene Chloride	4.704	84	5075	Below Cal	#	80
25) 2-Butanone	6.978	43	2214	2.480	ug/l #	73
31) Cyclohexane	7.777	56	3684	1.461	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	12322	4.986	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15426	5.570	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	64458	35.691	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64458	75.719	ug/l #	11
95) Naphthalene	15.233	128	3279	4.364	ug/l #	95

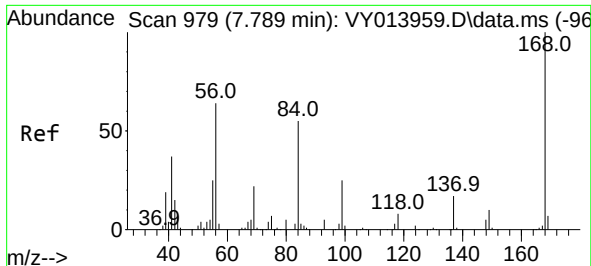
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
Data File : VY013986.D
Acq On : 02 Jun 2023 13:46
Operator : KP/MD
Sample : 03002-08
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB02

Quant Time: Jun 05 09:41:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 02 07:00:14 2023
Response via : Initial Calibration

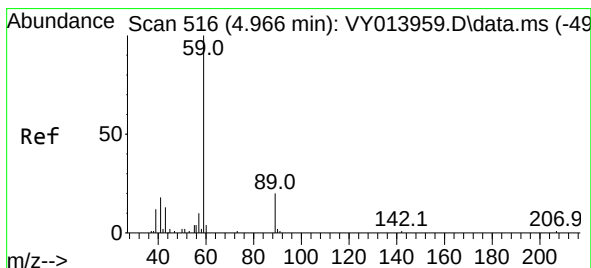
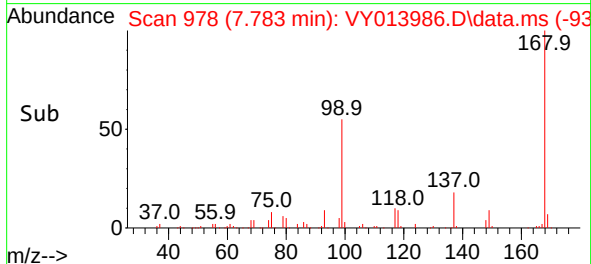
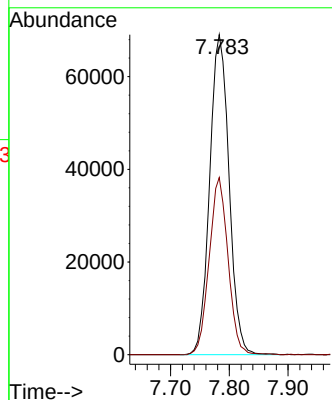
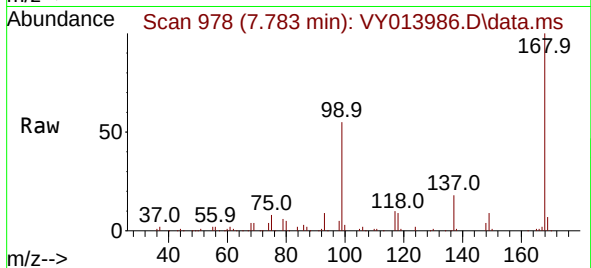




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

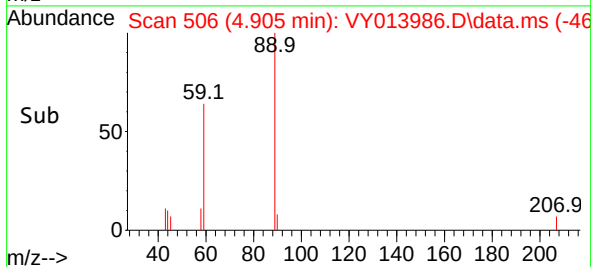
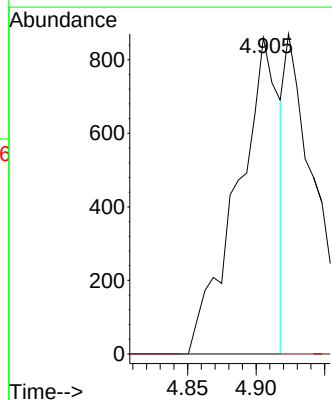
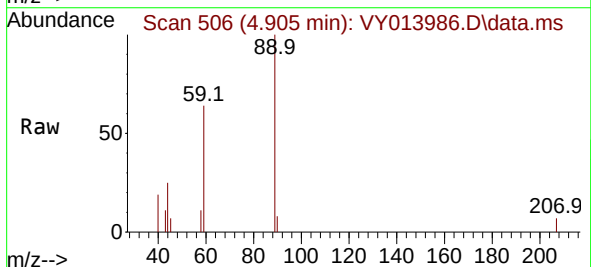
Instrument :
MSVOA_Y
ClientSampleId :
SB02

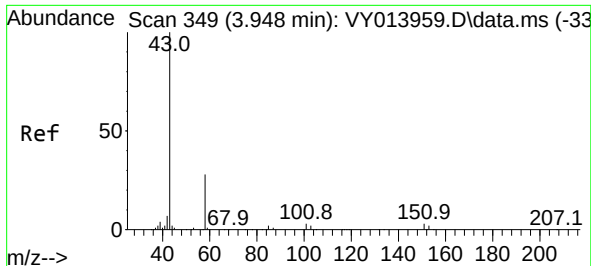
Tgt Ion:168 Resp: 158209
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.252 ug/l
RT: 4.905 min Scan# 506
Delta R.T. -0.061 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 59 Resp: 1830
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

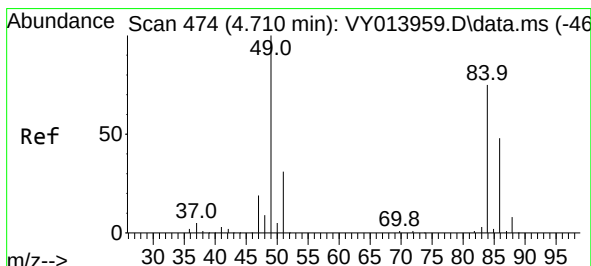
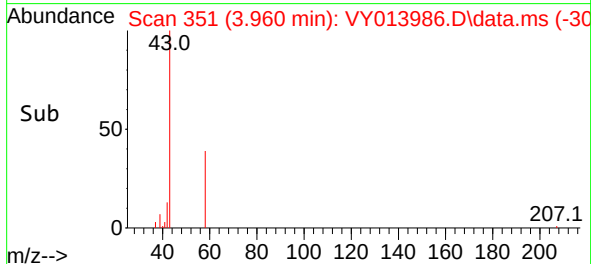
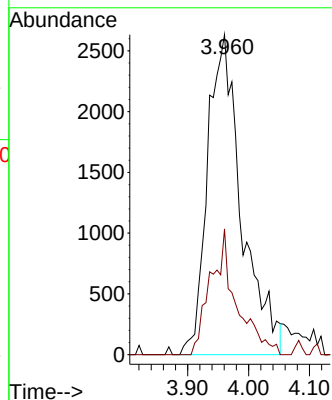
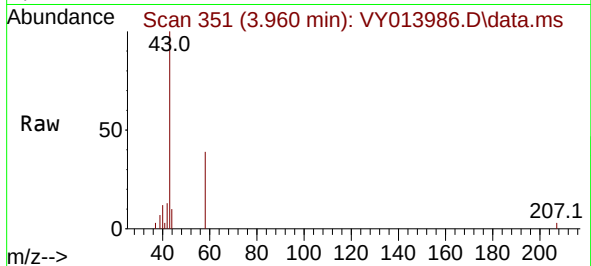




#16
Acetone
Concen: 14.283 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

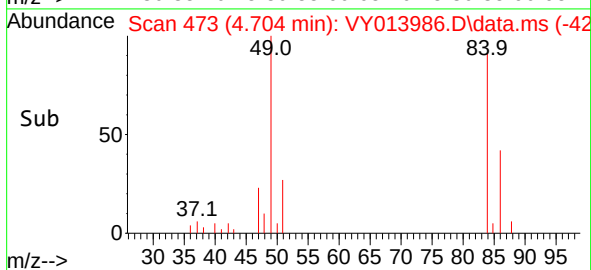
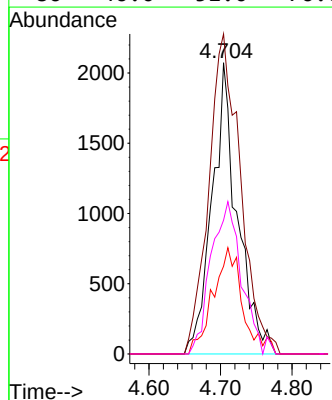
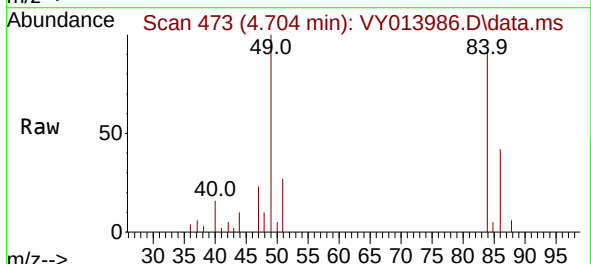
Instrument :
MSVOA_Y
ClientSampleId :
SB02

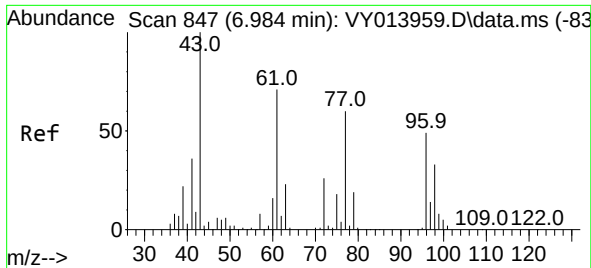
Tgt Ion: 43 Resp: 10234
Ion Ratio Lower Upper
43 100
58 39.3 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 84 Resp: 5075
Ion Ratio Lower Upper
84 100
49 109.9 106.9 160.3
51 30.1 33.2 49.8#
86 46.0 51.0 76.6#

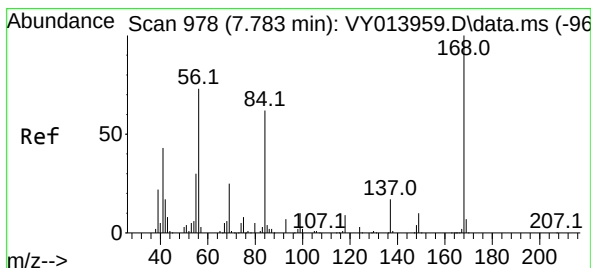
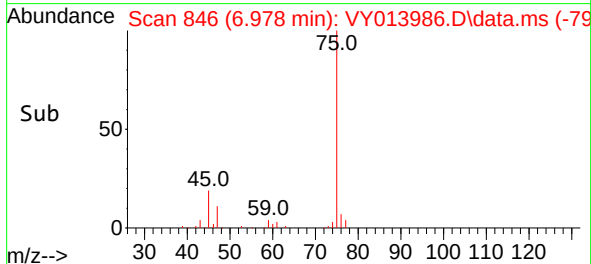
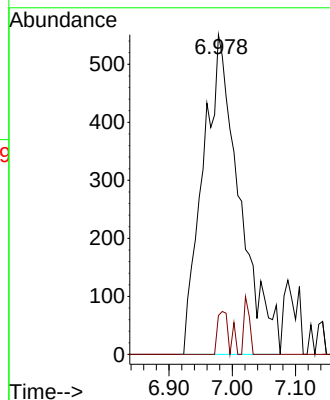
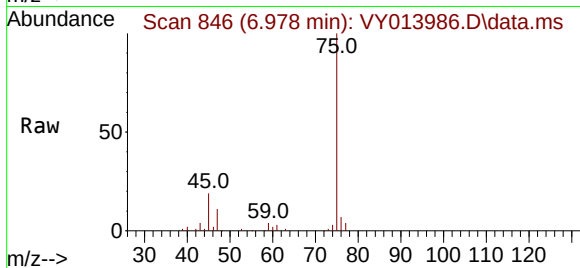




#25
2-Butanone
Concen: 2.480 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

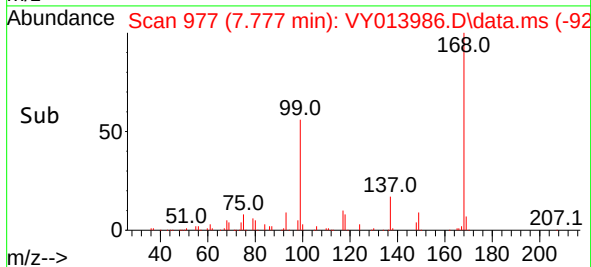
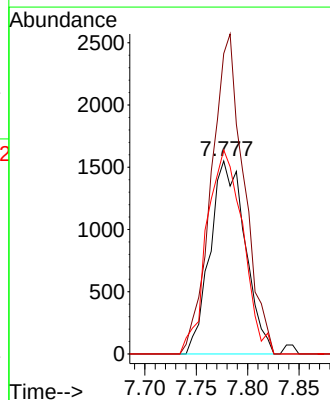
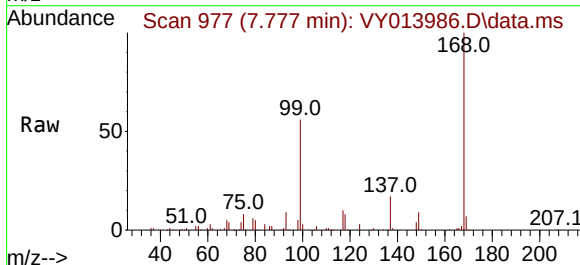
Instrument :
MSVOA_Y
ClientSampleId :
SB02

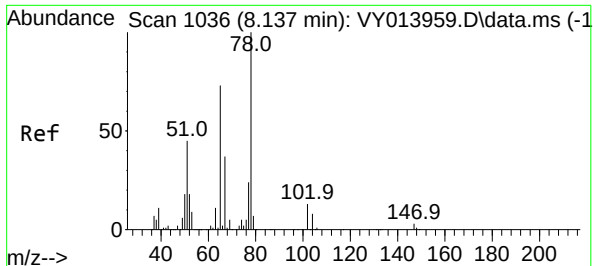
Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
72 12.2 20.5 30.7#



#31
Cyclohexane
Concen: 1.461 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 56 Resp: 3684
Ion Ratio Lower Upper
56 100
69 155.6 27.8 41.6#
84 105.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.757 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY013986.D

Acq: 02 Jun 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

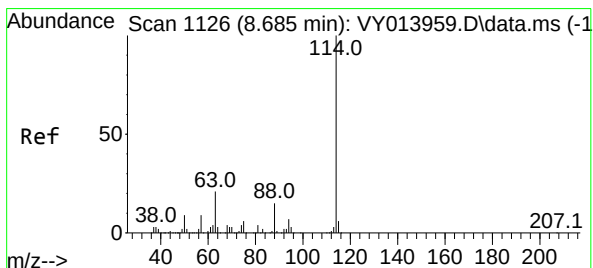
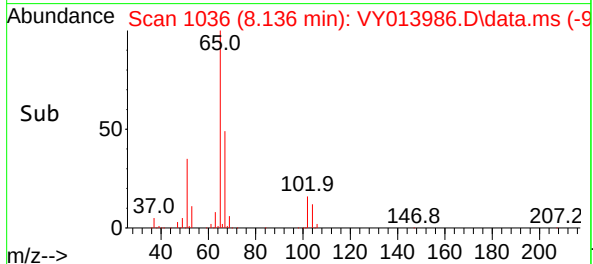
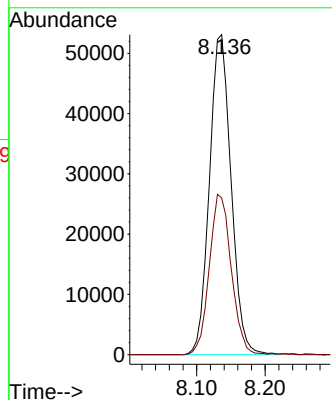
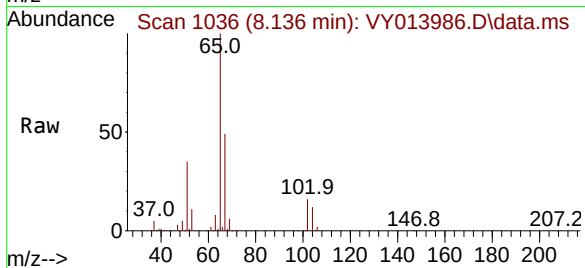
SB02

Tgt Ion: 65 Resp: 116772

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013986.D

Acq: 02 Jun 2023 13:46

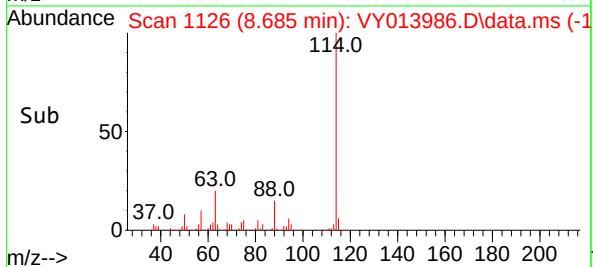
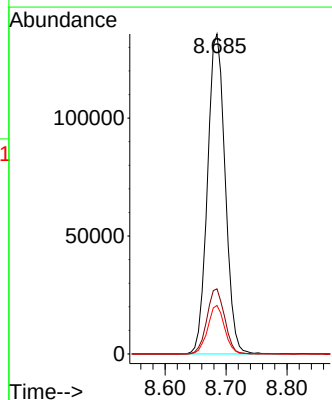
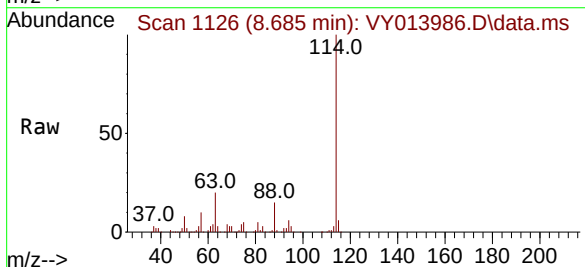
Tgt Ion:114 Resp: 272954

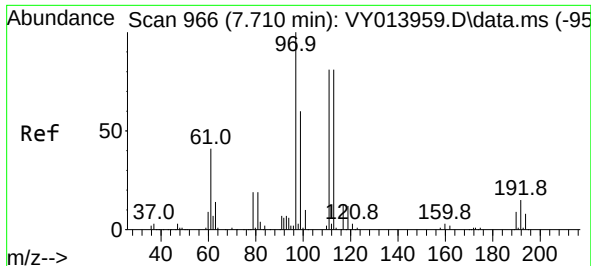
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.2 0.0 30.6

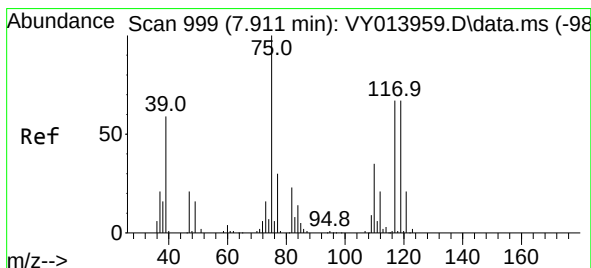
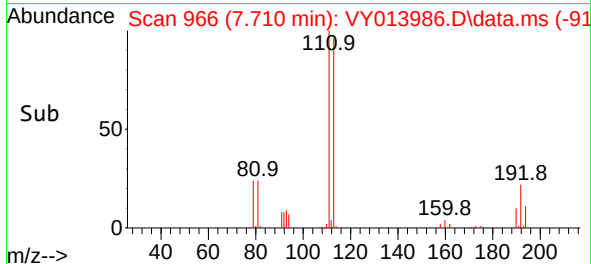
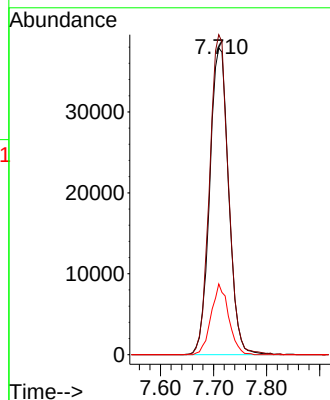
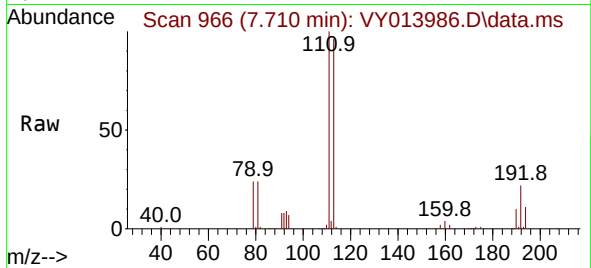




#35
Dibromofluoromethane
Concen: 54.211 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

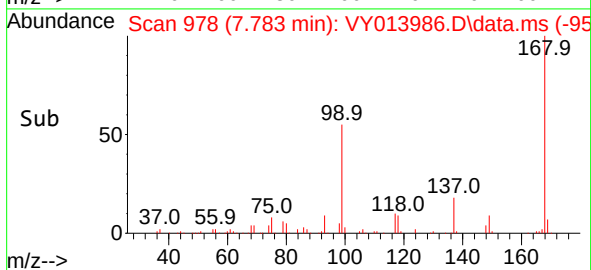
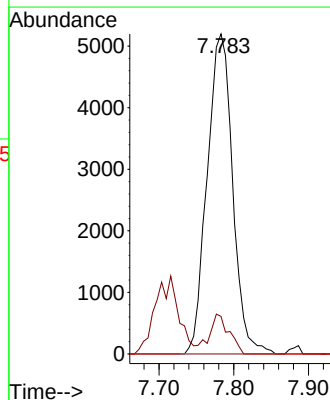
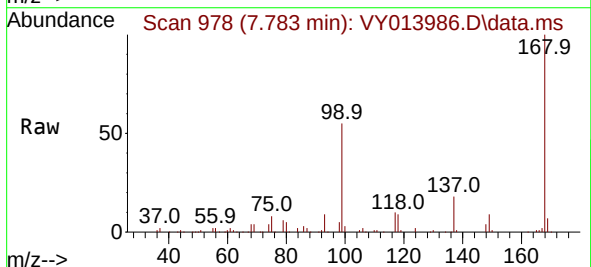
Instrument :
MSVOA_Y
ClientSampleId :
SB02

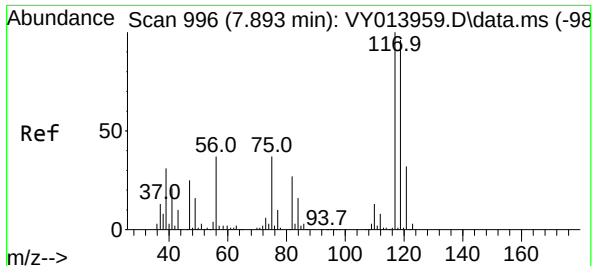
Tgt Ion:113 Resp: 94037
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.986 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 75 Resp: 12322
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#

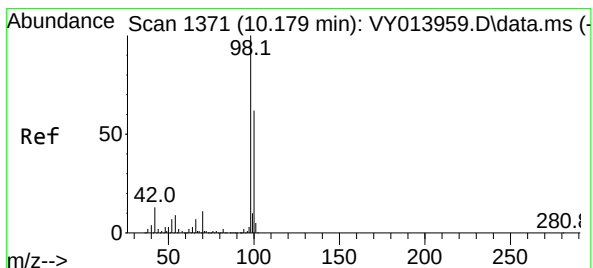
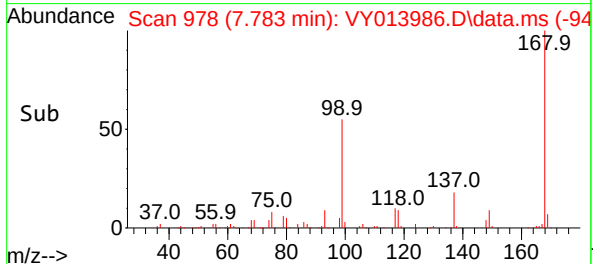
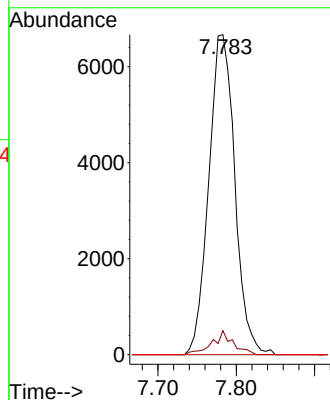
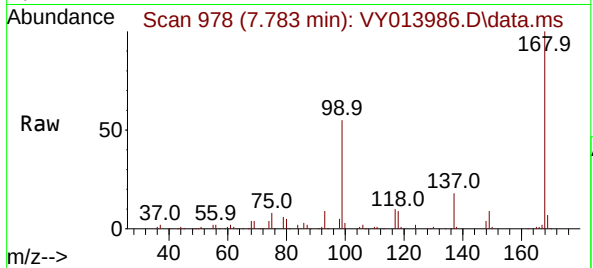




#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

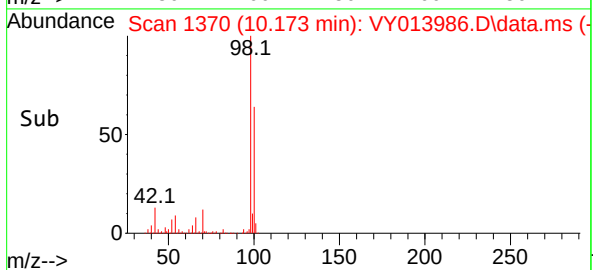
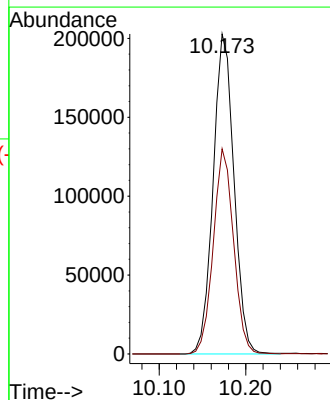
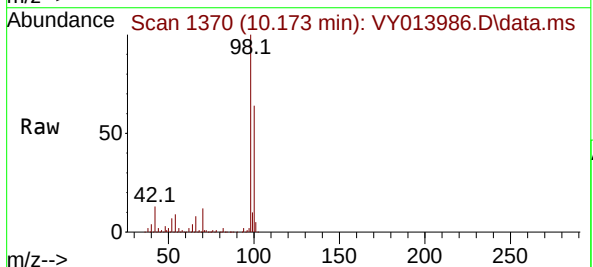
Instrument :
MSVOA_Y
ClientSampleId :
SB02

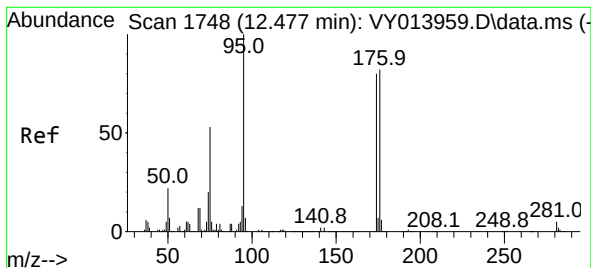
Tgt Ion:117 Resp: 15426
Ion Ratio Lower Upper
117 100
119 7.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.216 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 98 Resp: 338879
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1

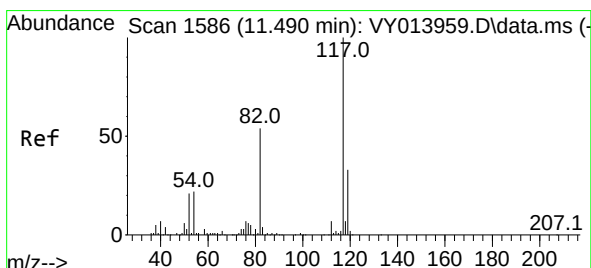
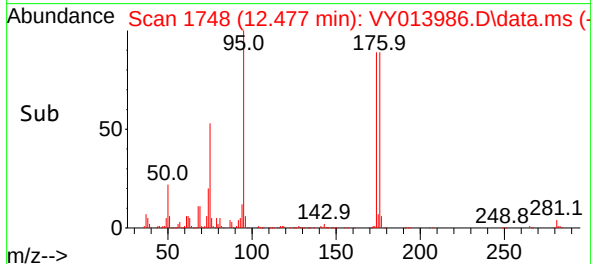
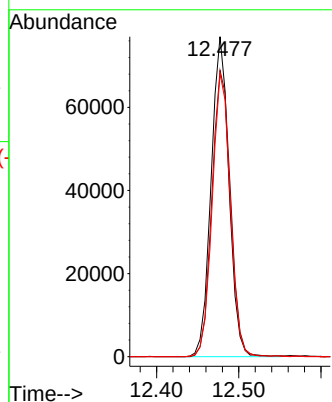
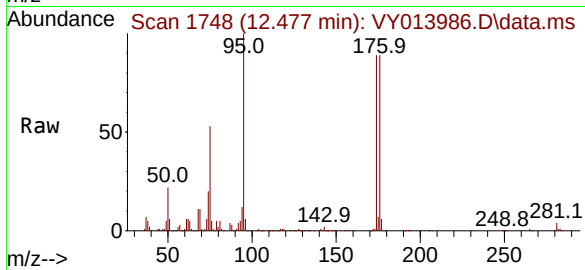




#62
4-Bromofluorobenzene
Concen: 51.567 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

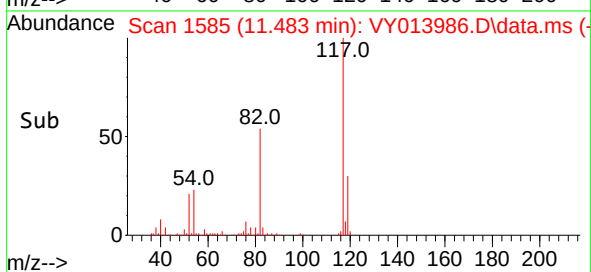
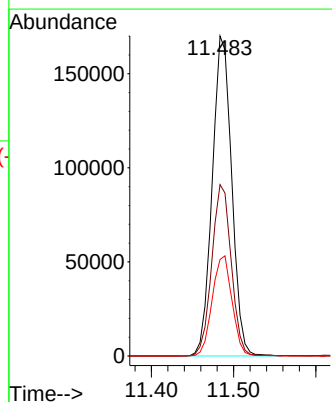
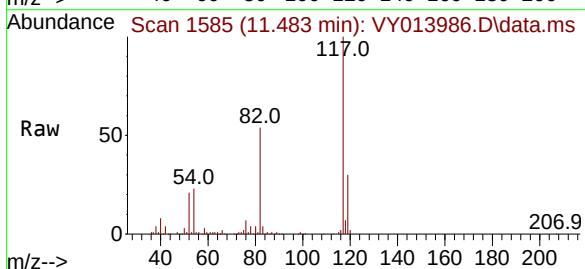
Instrument :
MSVOA_Y
ClientSampleId :
SB02

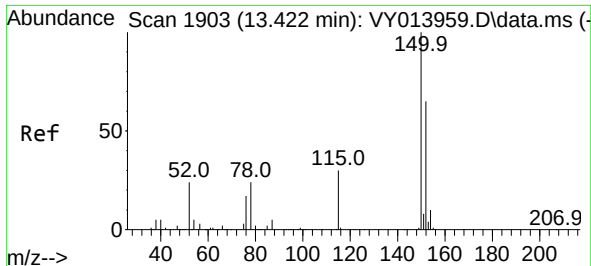
Tgt Ion: 95 Resp: 116322
Ion Ratio Lower Upper
95 100
174 93.3 0.0 178.2
176 89.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 117 Resp: 279695
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 30.1 26.3 39.5

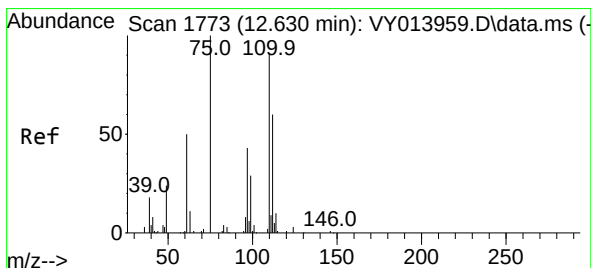
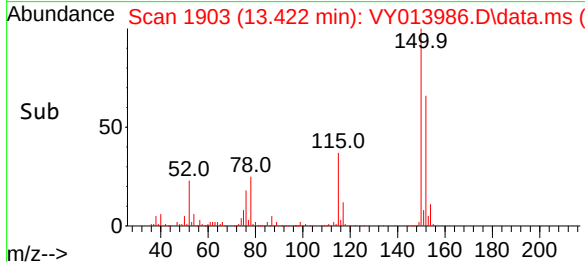
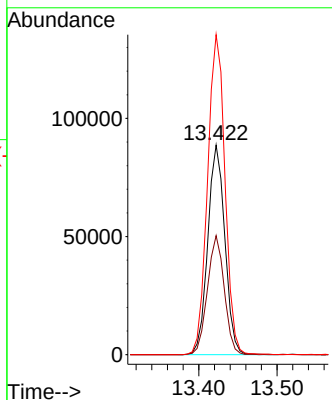
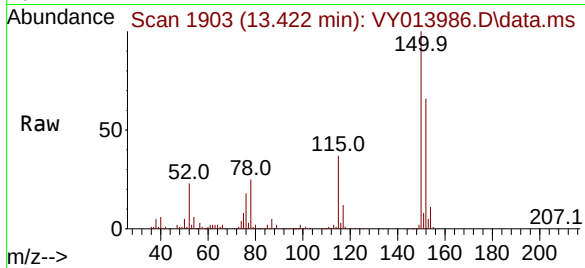




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

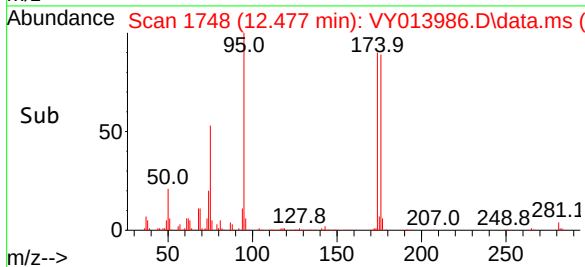
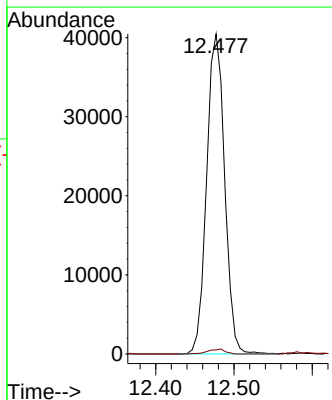
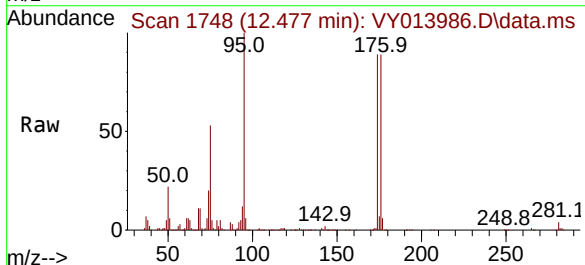
Instrument :
MSVOA_Y
ClientSampleId :
SB02

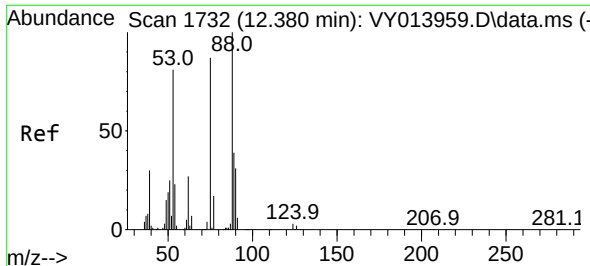
Tgt Ion:152 Resp: 134205
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 155.8 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 35.691 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion: 75 Resp: 64458
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

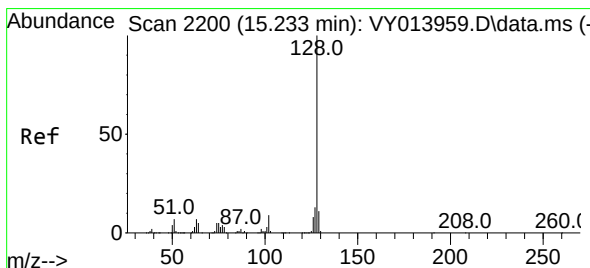
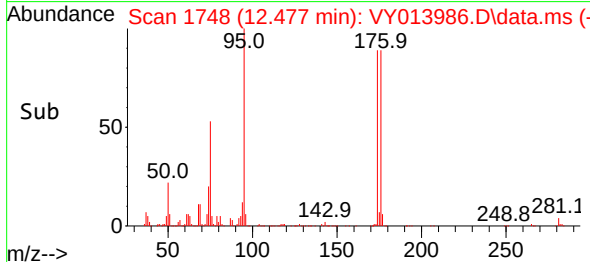
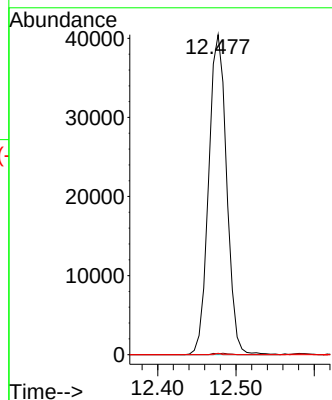
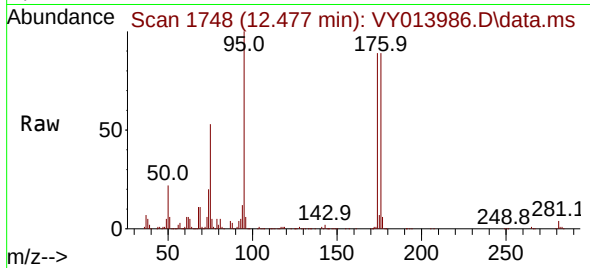




#81
trans-1,4-Dichloro-2-butene
Concen: 75.719 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Instrument :
MSVOA_Y
ClientSampleId :
SB02

Tgt Ion: 75 Resp: 64458
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 4.364 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY013986.D
Acq: 02 Jun 2023 13:46

Tgt Ion:128 Resp: 3279
Ion Ratio Lower Upper
128 100
127 10.3 10.8 16.2#
129 10.0 8.6 13.0

