

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013378.D
 Acq On : 20 Apr 2023 19:07
 Operator : KP/MD
 Sample : 02406-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-8.5-9.0

Quant Time: Apr 21 02:16:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

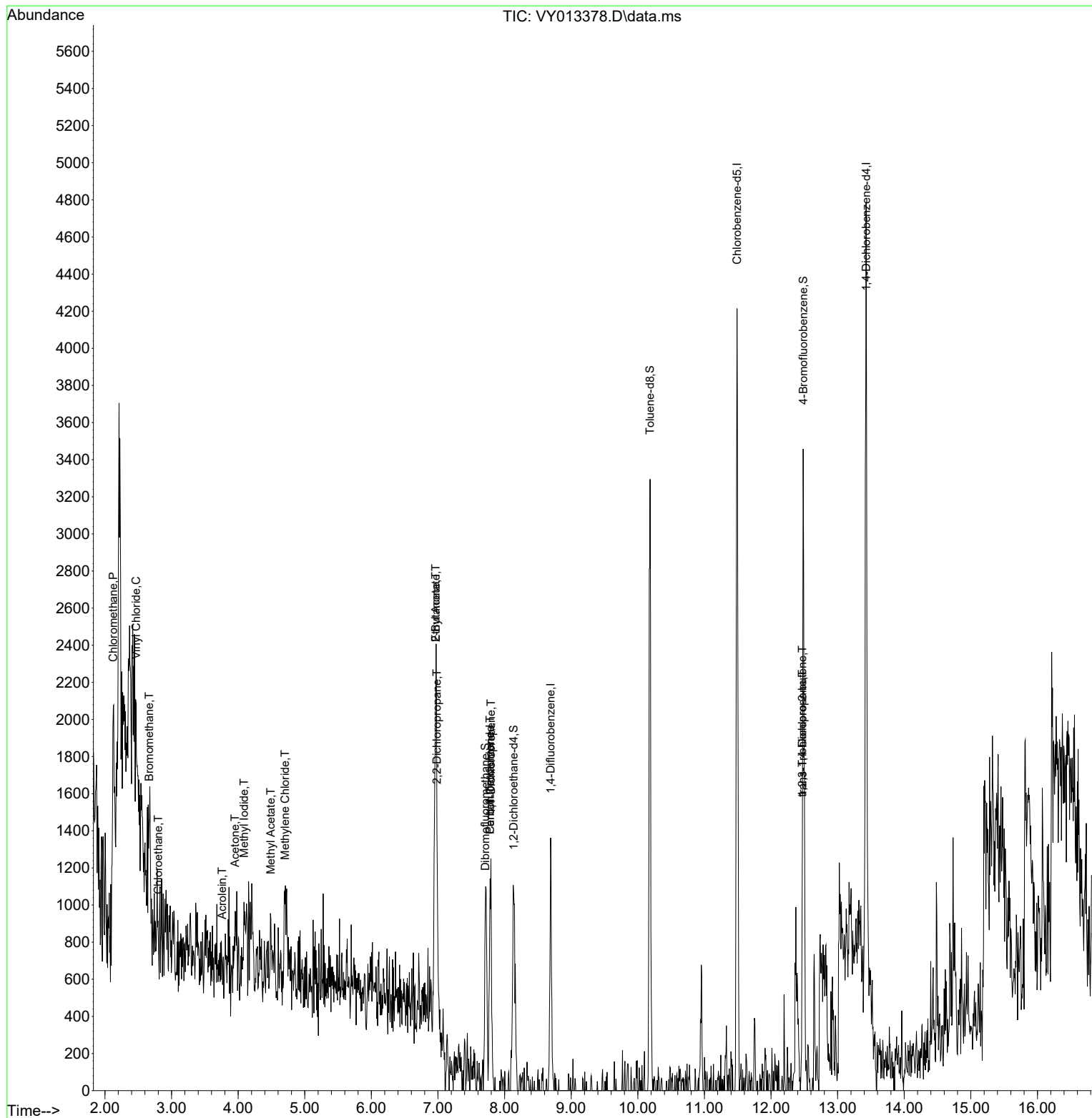
Internal Standards						
1) Pentafluorobenzene	7.783	168	1554	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	1497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	2721	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1491	79.837	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 159.680%			
35) Dibromofluoromethane	7.710	113	861	88.841	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 177.680%#			
50) Toluene-d8	10.185	98	2412	66.864	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 133.720%			
62) 4-Bromofluorobenzene	12.483	95	1095	93.424	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 186.840%#			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	420	23.970	ug/l	96
4) Vinyl Chloride	2.467	62	45	2.709	ug/l #	43
5) Bromomethane	2.662	94	206	16.170	ug/l	95
6) Chloroethane	2.802	64	345	30.794	ug/l #	43
10) Methyl Iodide	4.088	142	420	22.535	ug/l #	56
11) Tert butyl alcohol	5.143	59	19	Below Cal	#	74
13) Acrolein	3.759	56	31	13.512	ug/l #	14
16) Acetone	3.954	43	477	74.286	ug/l #	58
18) Methyl Acetate	4.491	43	61	2.937	ug/l #	54
20) Methylene Chloride	4.704	84	189	7.513	ug/l #	63
25) 2-Butanone	6.966	43	19	2.311	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	45	1.631	ug/l #	52
36) 1,1-Dichloropropene	7.795	75	29	1.975	ug/l #	41
37) Ethyl Acetate	6.966	43	19	1.605	ug/l #	1
38) Carbon Tetrachloride	7.783	117	41	2.525	ug/l #	12
76) 1,2,3-Trichloropropane	12.471	75	558	34.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.471	75	558	71.439	ug/l #	13

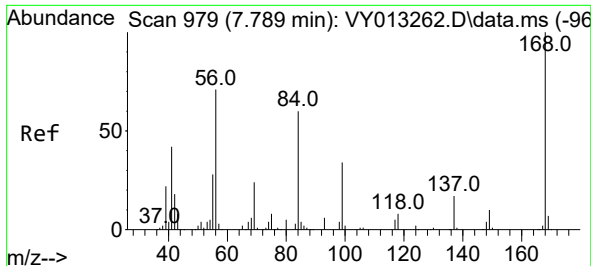
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
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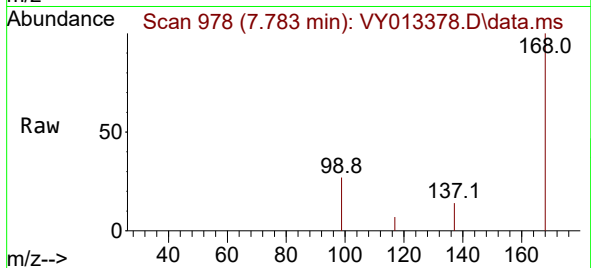
Quant Time: Apr 21 02:16:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



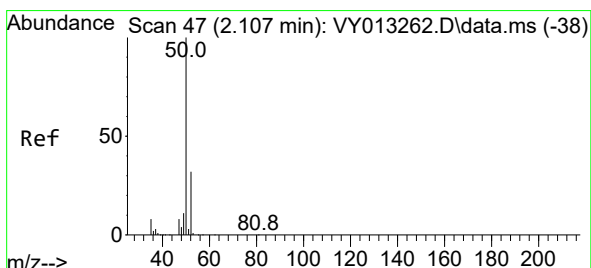
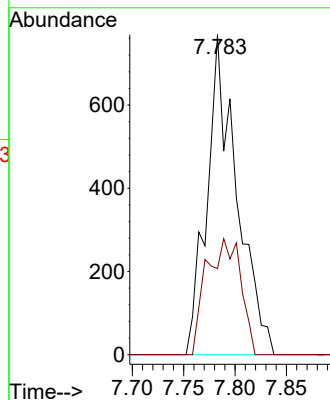
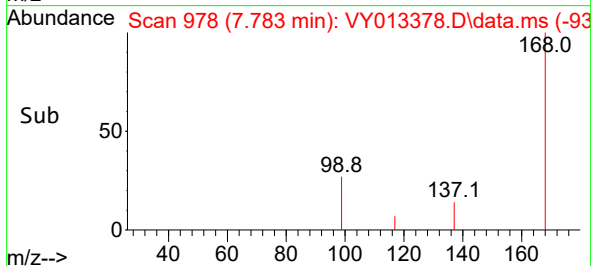


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

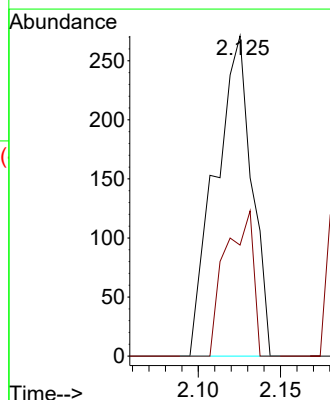
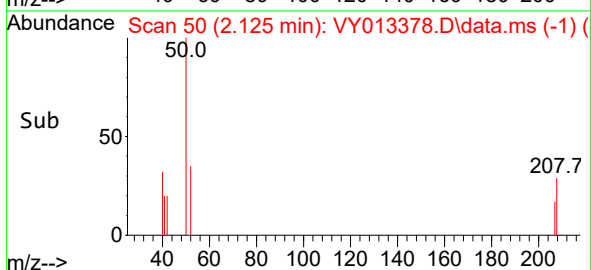
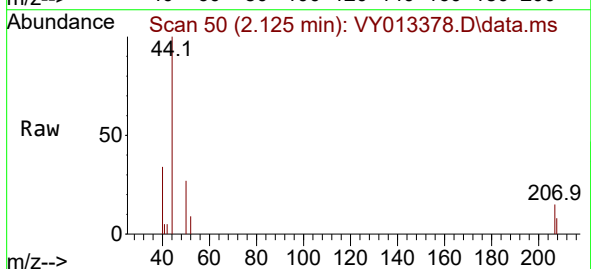


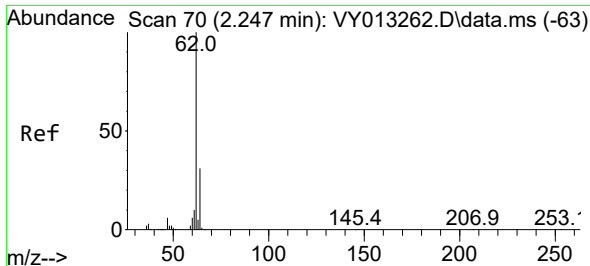
Tgt Ion:168 Resp: 1554
Ion Ratio Lower Upper
168 100
99 26.9 41.7 62.5#



#3
Chloromethane
Concen: 23.970 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 50 Resp: 420
Ion Ratio Lower Upper
50 100
52 34.7 26.0 39.0

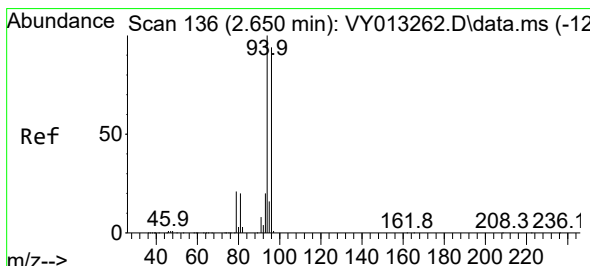
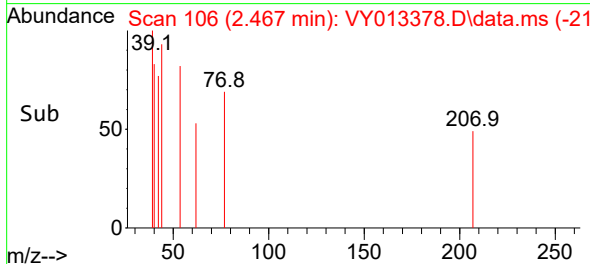
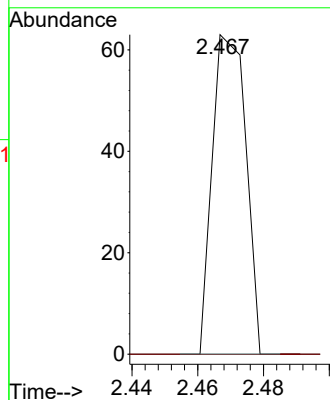
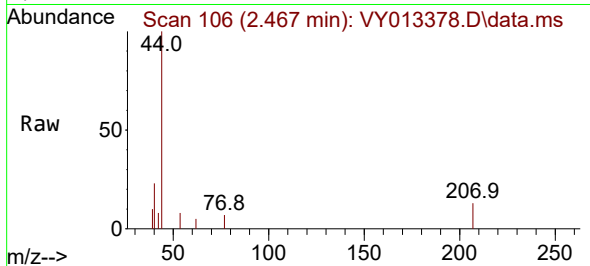




#4
 Vinyl Chloride
 Concen: 2.709 ug/l
 RT: 2.467 min Scan# 106
 Delta R.T. 0.219 min
 Lab File: VY013378.D
 Acq: 20 Apr 2023 19:07

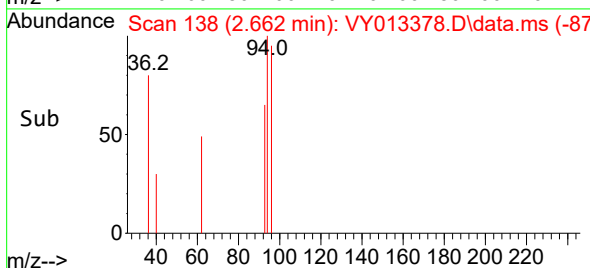
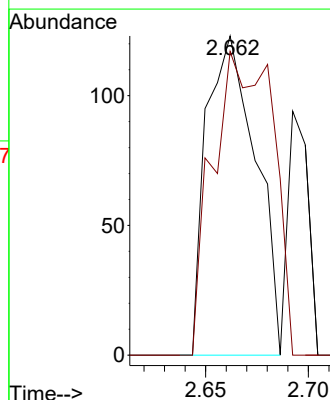
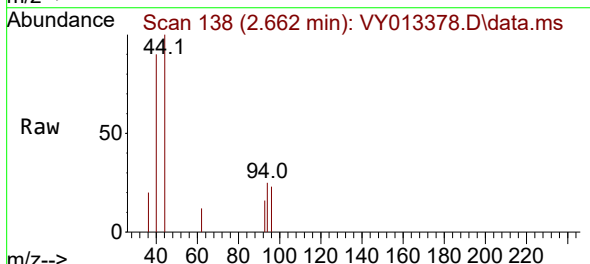
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-8.5-9.0

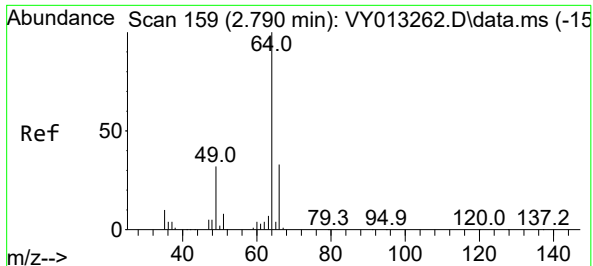
Tgt Ion: 62 Resp: 45
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.6 38.4#



#5
 Bromomethane
 Concen: 16.170 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY013378.D
 Acq: 20 Apr 2023 19:07

Tgt Ion: 94 Resp: 206
 Ion Ratio Lower Upper
 94 100
 96 95.1 80.3 120.5

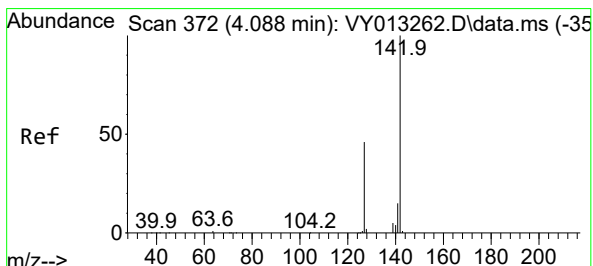
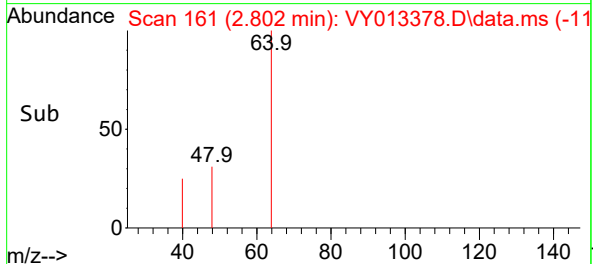
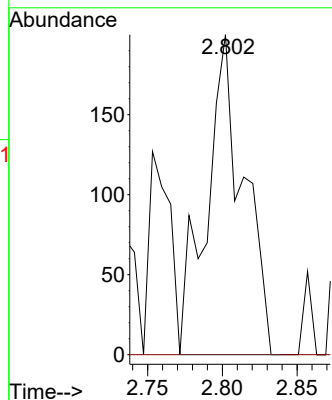
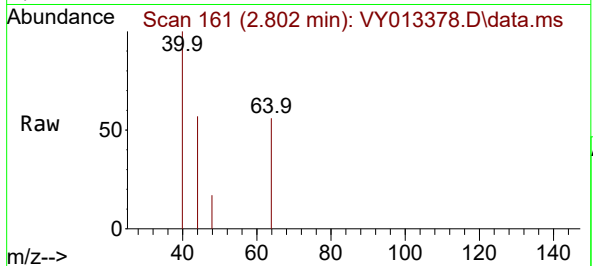




#6
Chloroethane
Concen: 30.794 ug/l
RT: 2.802 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

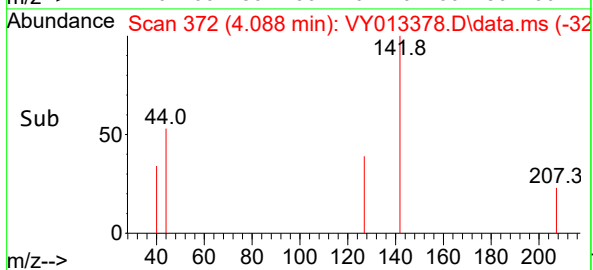
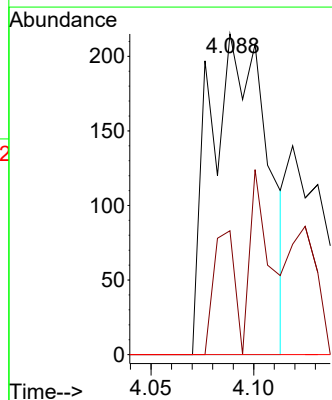
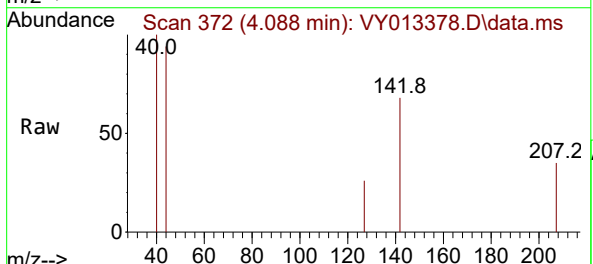
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

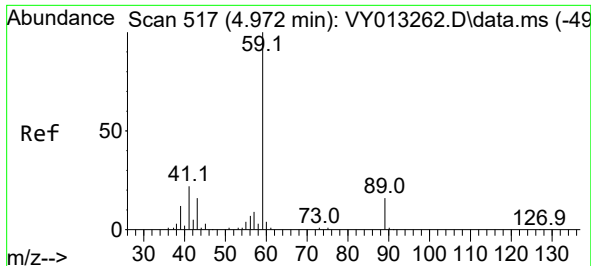
Tgt Ion: 64 Resp: 345
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#10
Methyl Iodide
Concen: 22.535 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 142 Resp: 420
Ion Ratio Lower Upper
142 100
127 14.0 35.4 53.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.143 min Scan# 54

Delta R.T. 0.171 min

Lab File: VY013378.D

Acq: 20 Apr 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

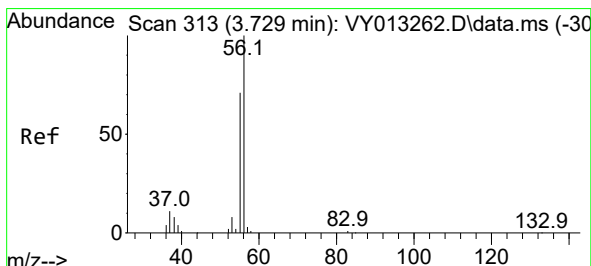
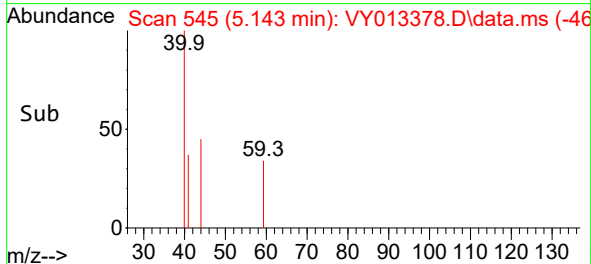
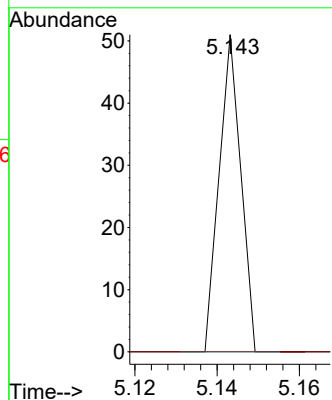
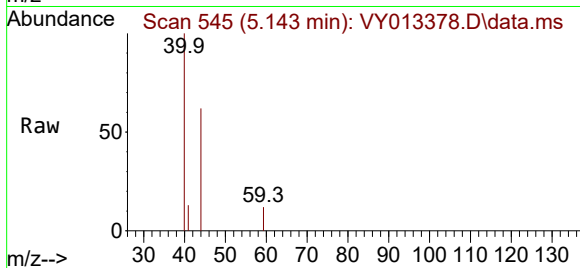
SB-15-8.5-9.0

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#13

Acrolein

Concen: 13.512 ug/l

RT: 3.759 min Scan# 318

Delta R.T. 0.030 min

Lab File: VY013378.D

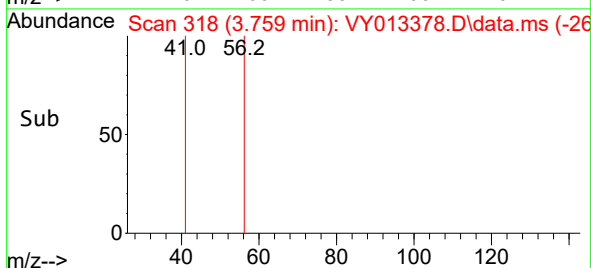
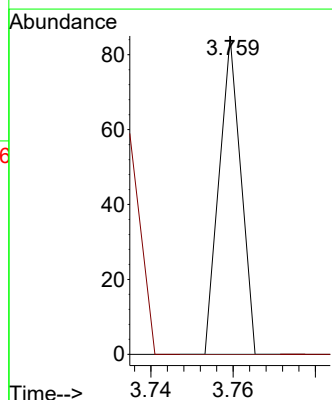
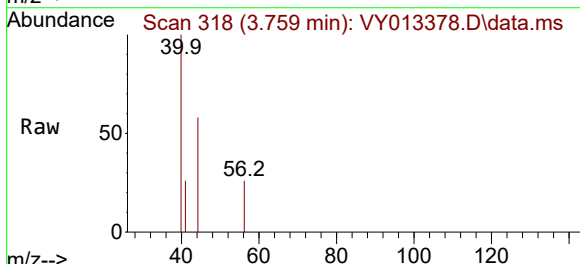
Acq: 20 Apr 2023 19:07

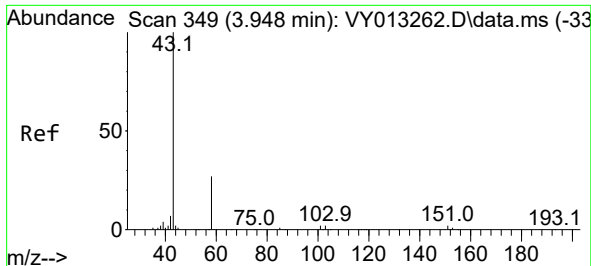
Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#

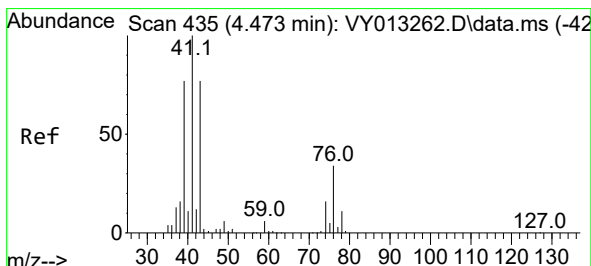
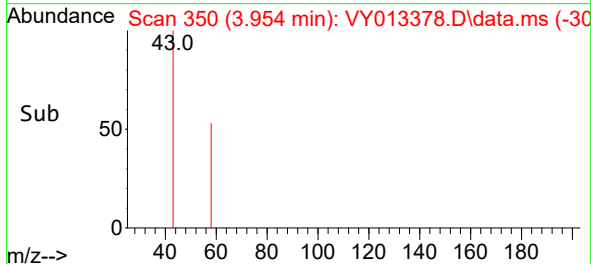
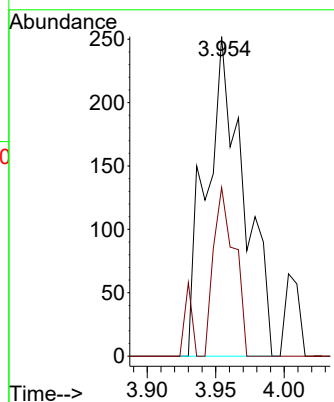
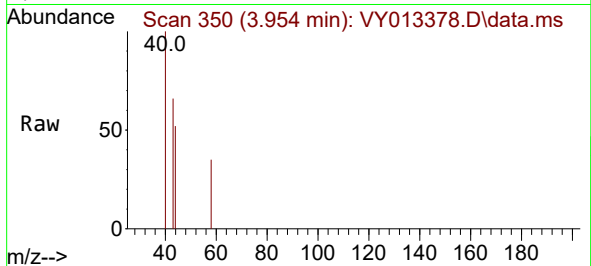




#16
Acetone
Concen: 74.286 ug/l
RT: 3.954 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

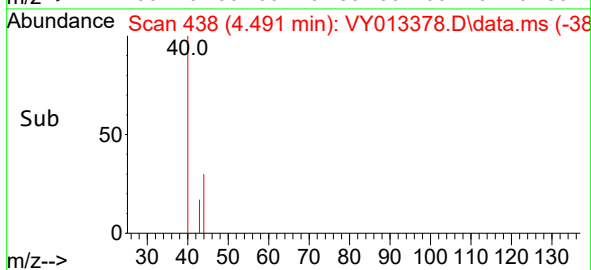
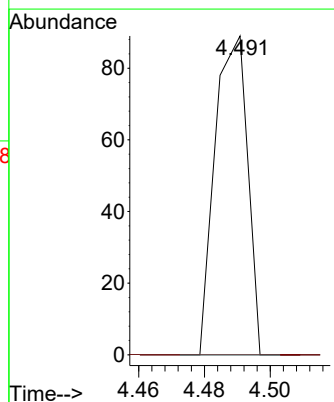
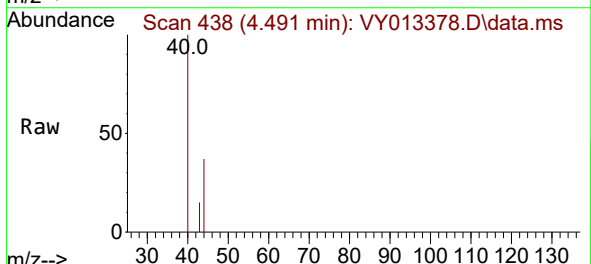
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

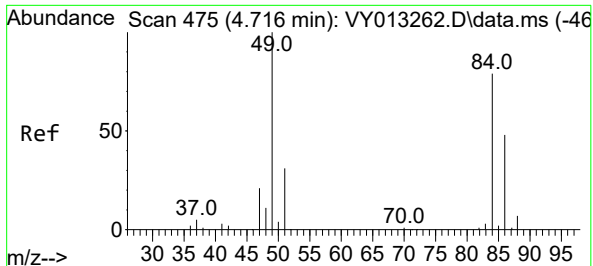
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
58 52.8 24.2 36.2#



#18
Methyl Acetate
Concen: 2.937 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.018 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

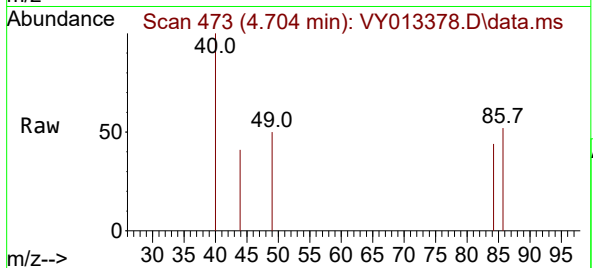
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



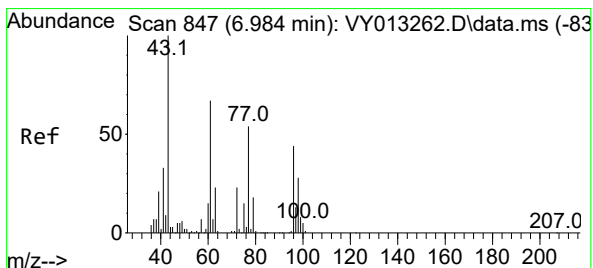
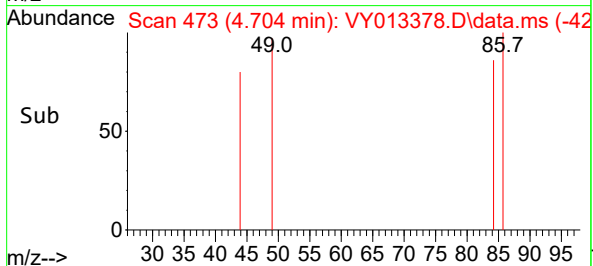
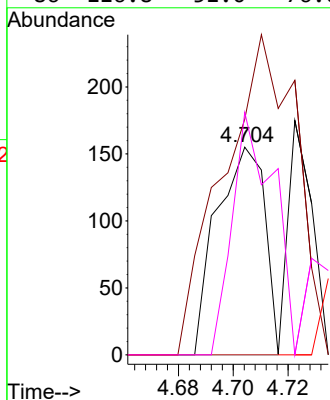


#20
Methylene Chloride
Concen: 7.513 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

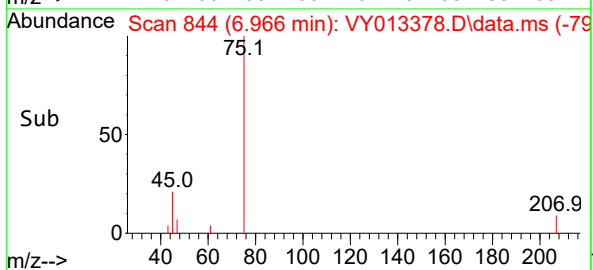
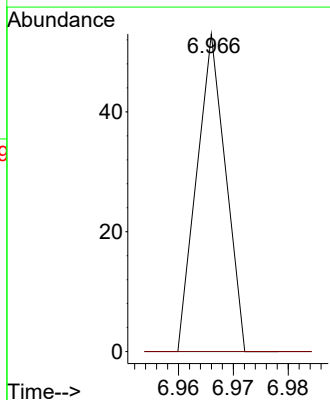
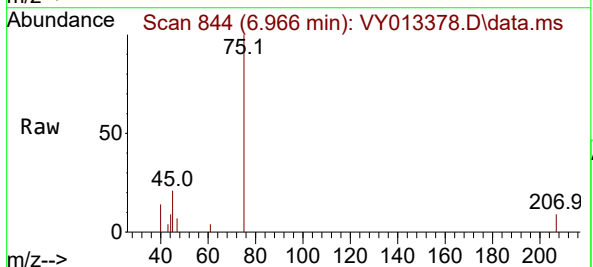


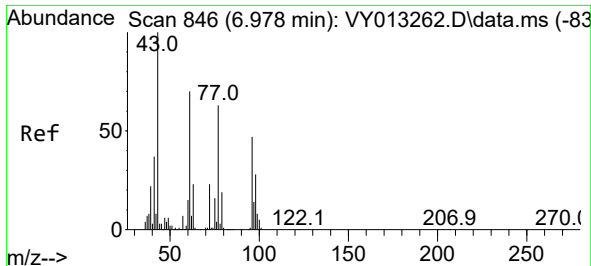
Tgt Ion: 84	Resp:	189	
Ion	Ratio	Lower	Upper
84	100		
49	113.5	102.6	154.0
51	0.0	31.9	47.9#
86	116.8	51.0	76.6#



#25
2-Butanone
Concen: 2.311 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 43	Resp:	19	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#

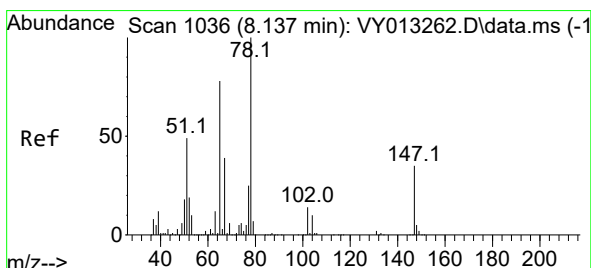
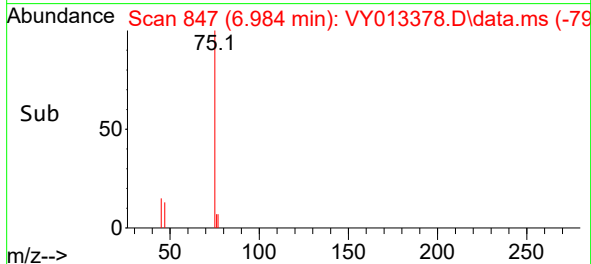
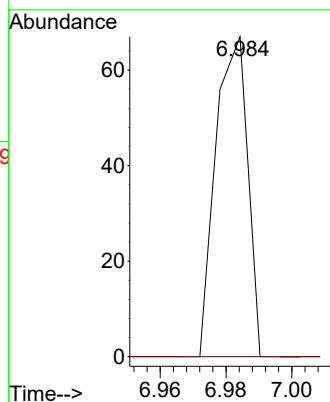
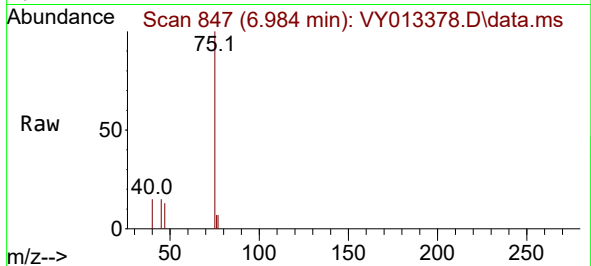




#26
2,2-Dichloropropane
Concen: 1.631 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

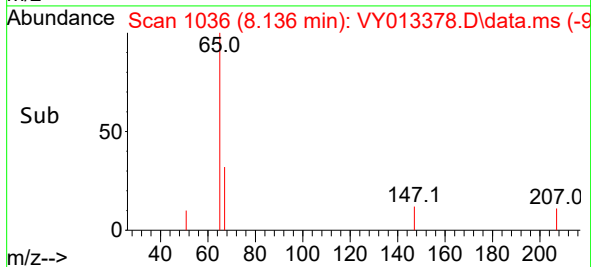
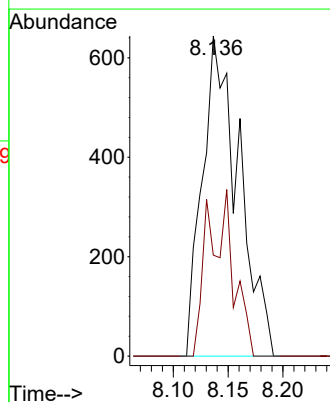
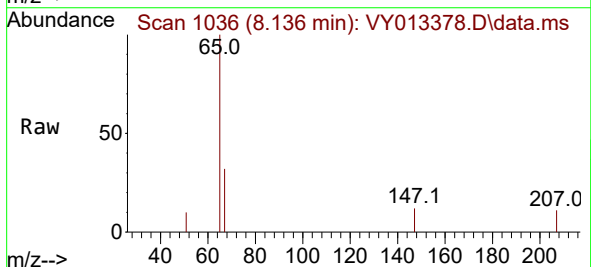
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

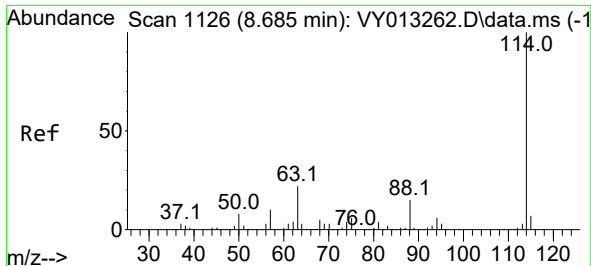
Tgt Ion: 77 Resp: 45
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#33
1,2-Dichloroethane-d4
Concen: 79.837 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 65 Resp: 1491
Ion Ratio Lower Upper
65 100
67 20.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013378.D

Acq: 20 Apr 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

SB-15-8.5-9.0

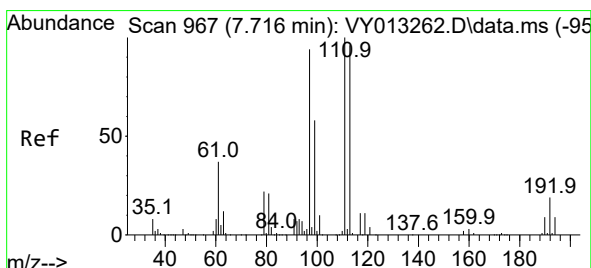
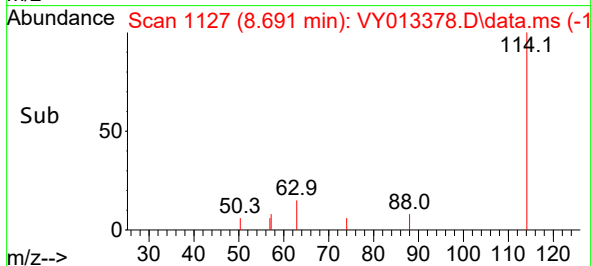
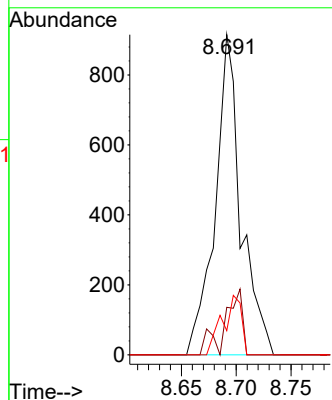
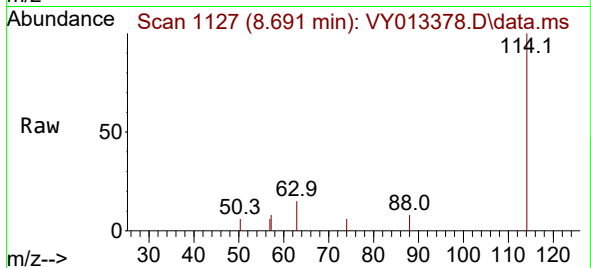
Tgt Ion:114 Resp: 1497

Ion Ratio Lower Upper

114 100

63 14.9 0.0 37.4

88 7.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 88.841 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013378.D

Acq: 20 Apr 2023 19:07

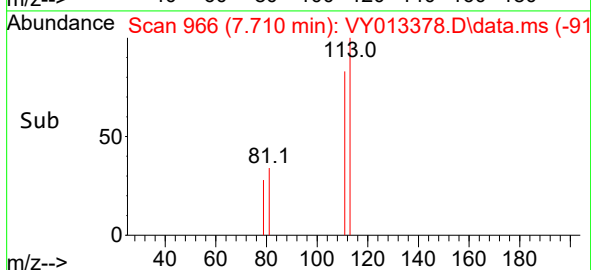
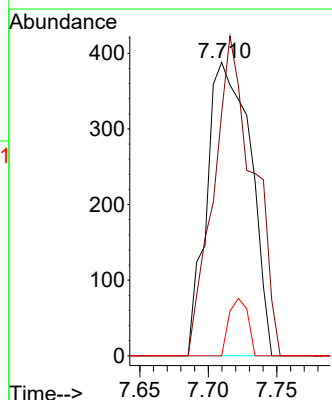
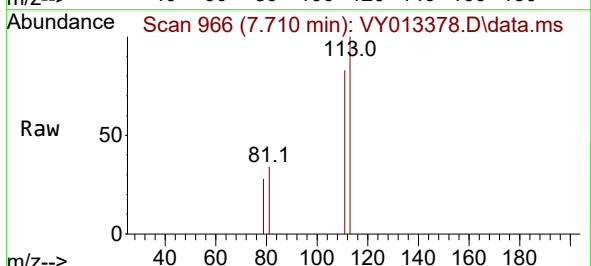
Tgt Ion:113 Resp: 861

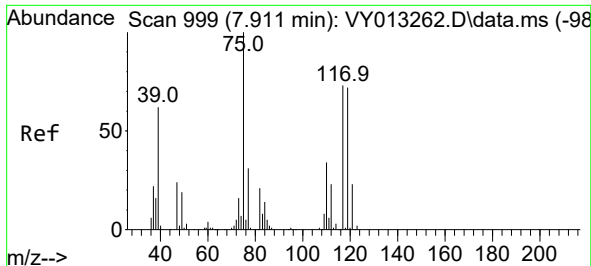
Ion Ratio Lower Upper

113 100

111 99.1 82.2 123.2

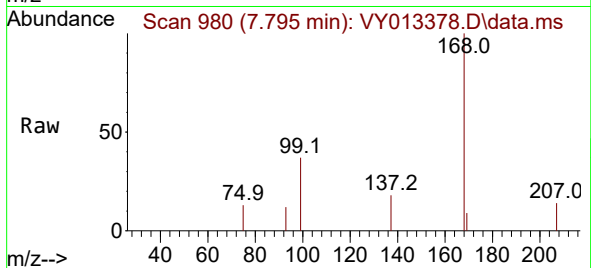
192 8.4 16.8 25.2#



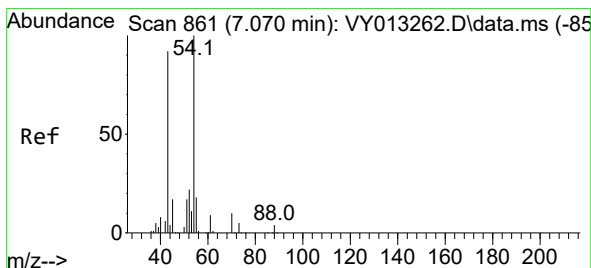
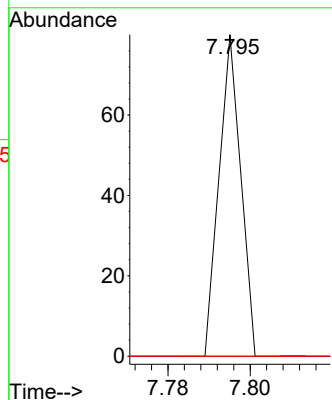
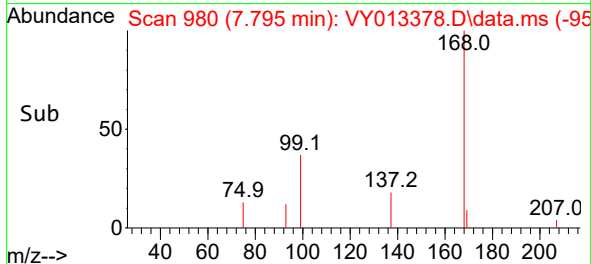


#36
1,1-Dichloropropene
Concen: 1.975 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

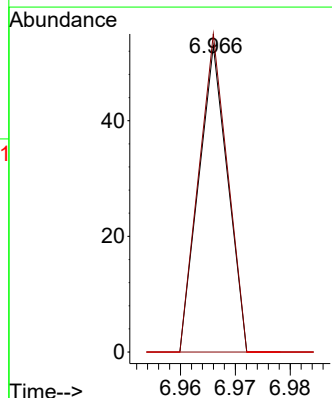
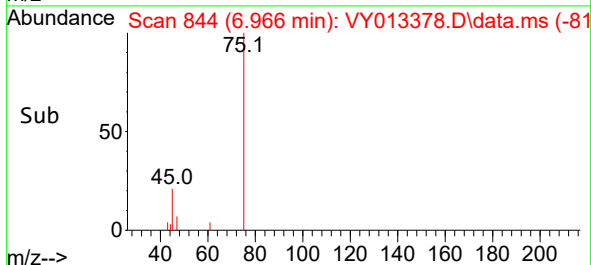
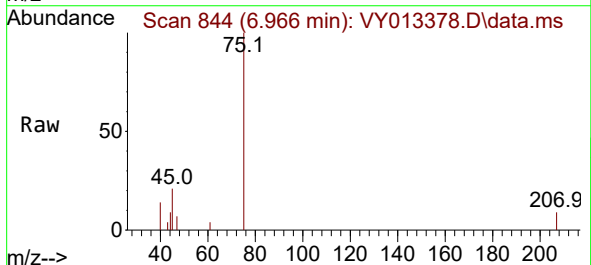


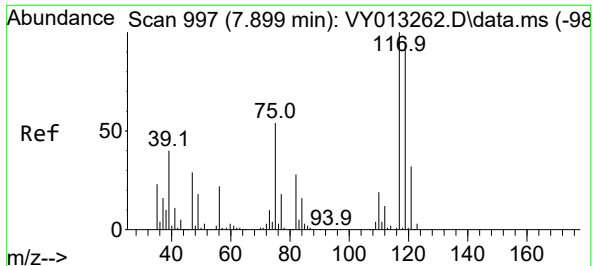
Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.605 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.104 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
61 105.3 10.7 16.1#
70 0.0 7.8 11.8#

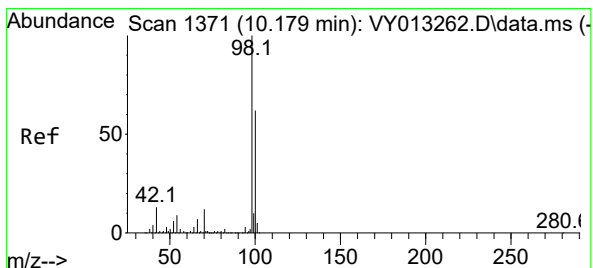
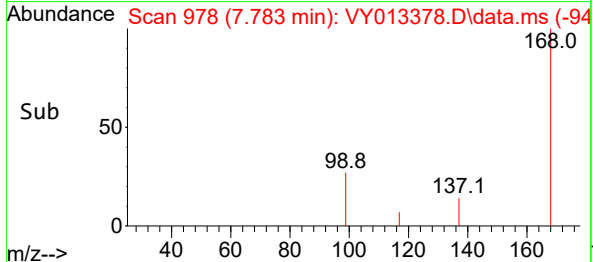
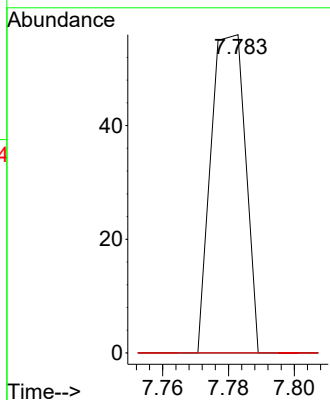
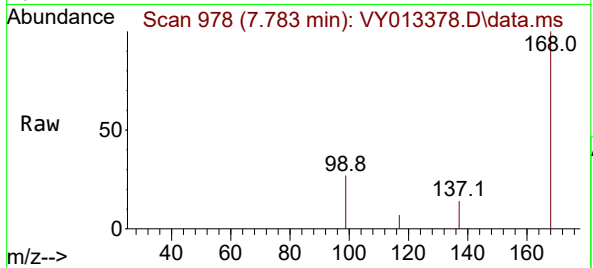




#38
Carbon Tetrachloride
Concen: 2.525 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

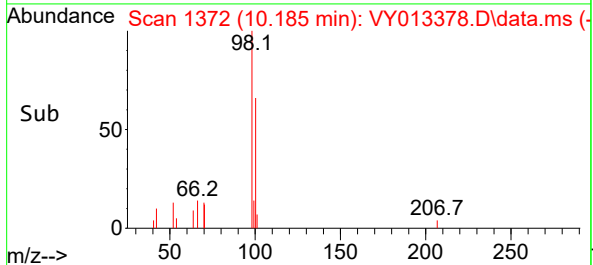
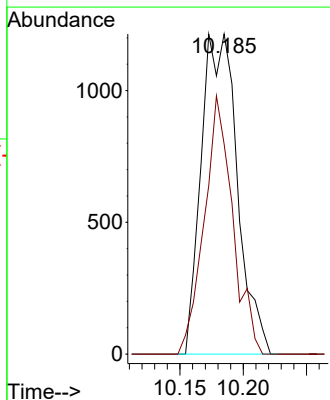
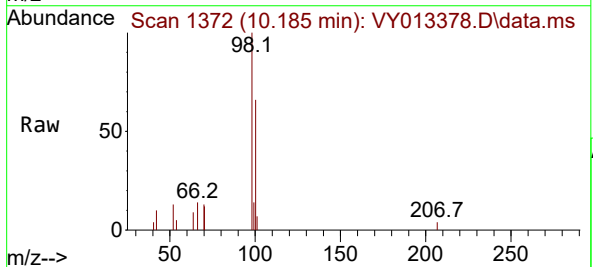
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

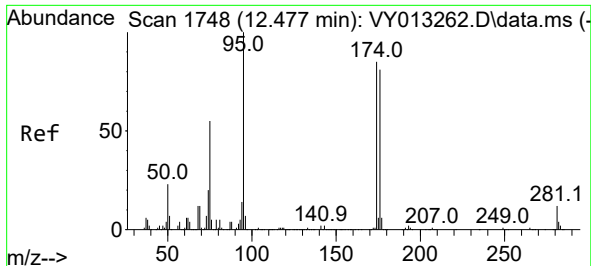
Tgt Ion:117 Resp: 41
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 66.864 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 98 Resp: 2412
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

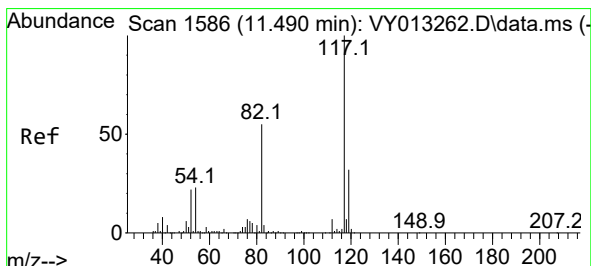
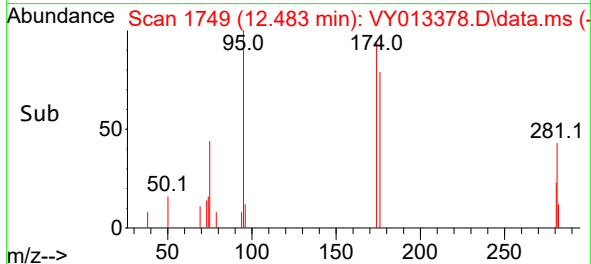
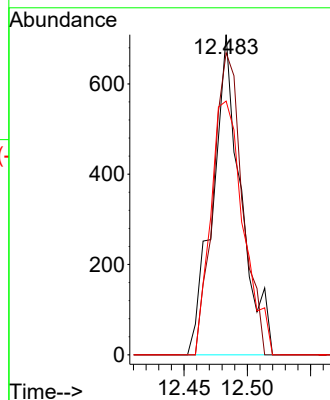
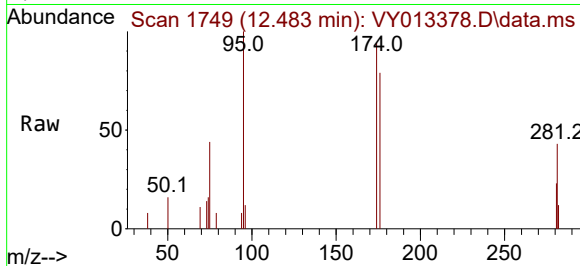




#62
4-Bromofluorobenzene
Concen: 93.424 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

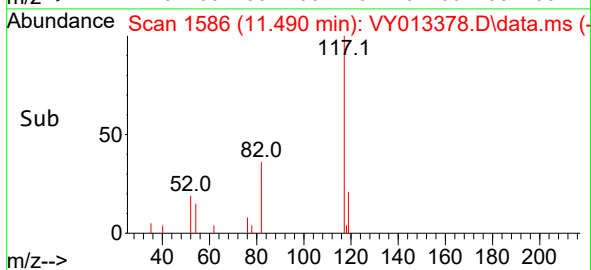
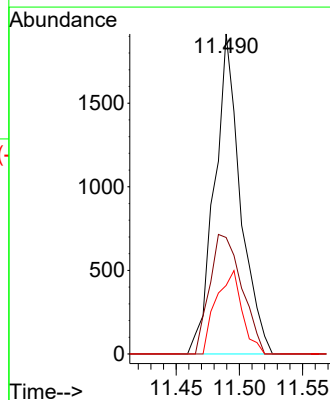
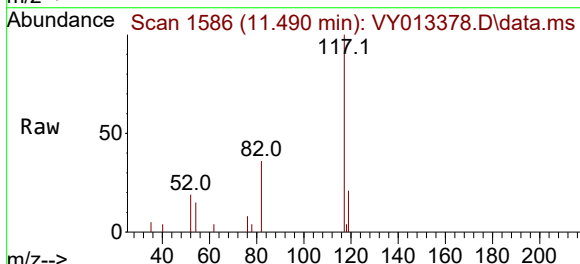
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

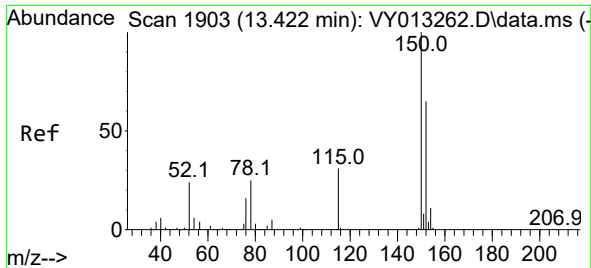
Tgt Ion: 95 Resp: 1095
Ion Ratio Lower Upper
95 100
174 97.7 0.0 176.6
176 93.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013378.D
Acq: 20 Apr 2023 19:07

Tgt Ion: 117 Resp: 2721
Ion Ratio Lower Upper
117 100
82 36.4 45.4 68.0#
119 21.4 25.6 38.4#

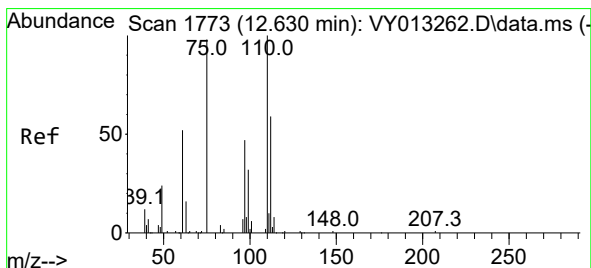
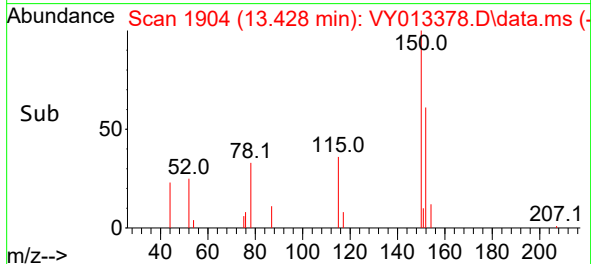
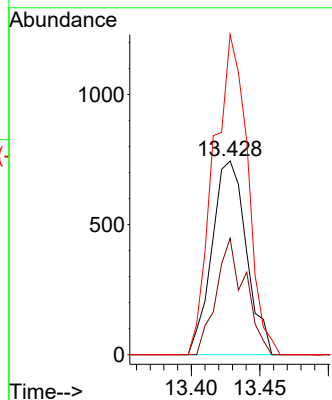
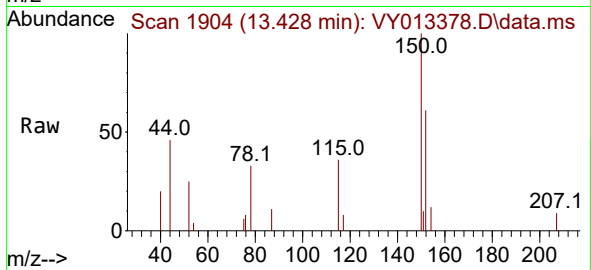




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013378.D
 Acq: 20 Apr 2023 19:07

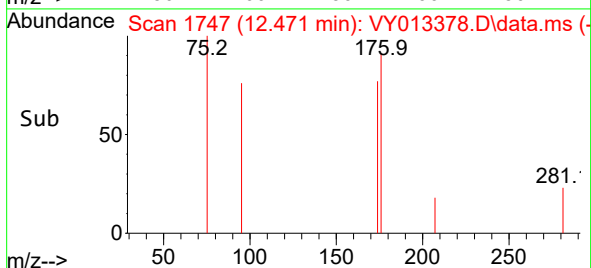
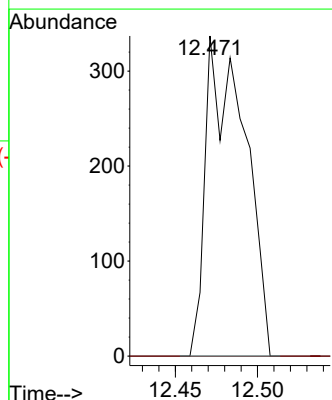
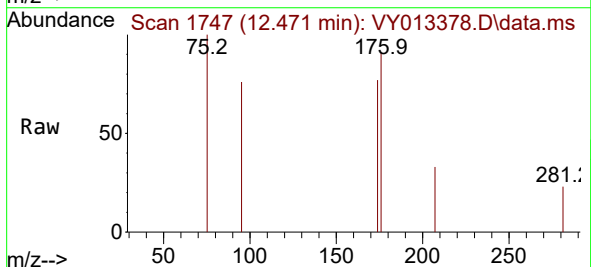
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-8.5-9.0

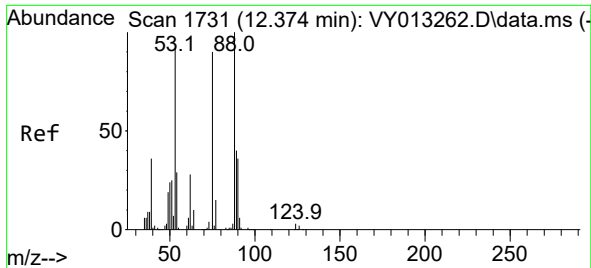
Tgt Ion:152 Resp: 1301
 Ion Ratio Lower Upper
 152 100
 115 50.9 27.1 81.3
 150 163.5 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 34.420 ug/l
 RT: 12.471 min Scan# 1747
 Delta R.T. -0.159 min
 Lab File: VY013378.D
 Acq: 20 Apr 2023 19:07

Tgt Ion: 75 Resp: 558
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.439 ug/l
 RT: 12.471 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013378.D
 Acq: 20 Apr 2023 19:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-8.5-9.0

Tgt Ion: 75 Resp: 558
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

