

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033123\
 Data File : VY013157.D
 Acq On : 31 Mar 2023 10:51
 Operator : KP/MD
 Sample : VY0331SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

Quant Time: Apr 01 00:05:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 05:07:15 2023
 Response via : Initial Calibration

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

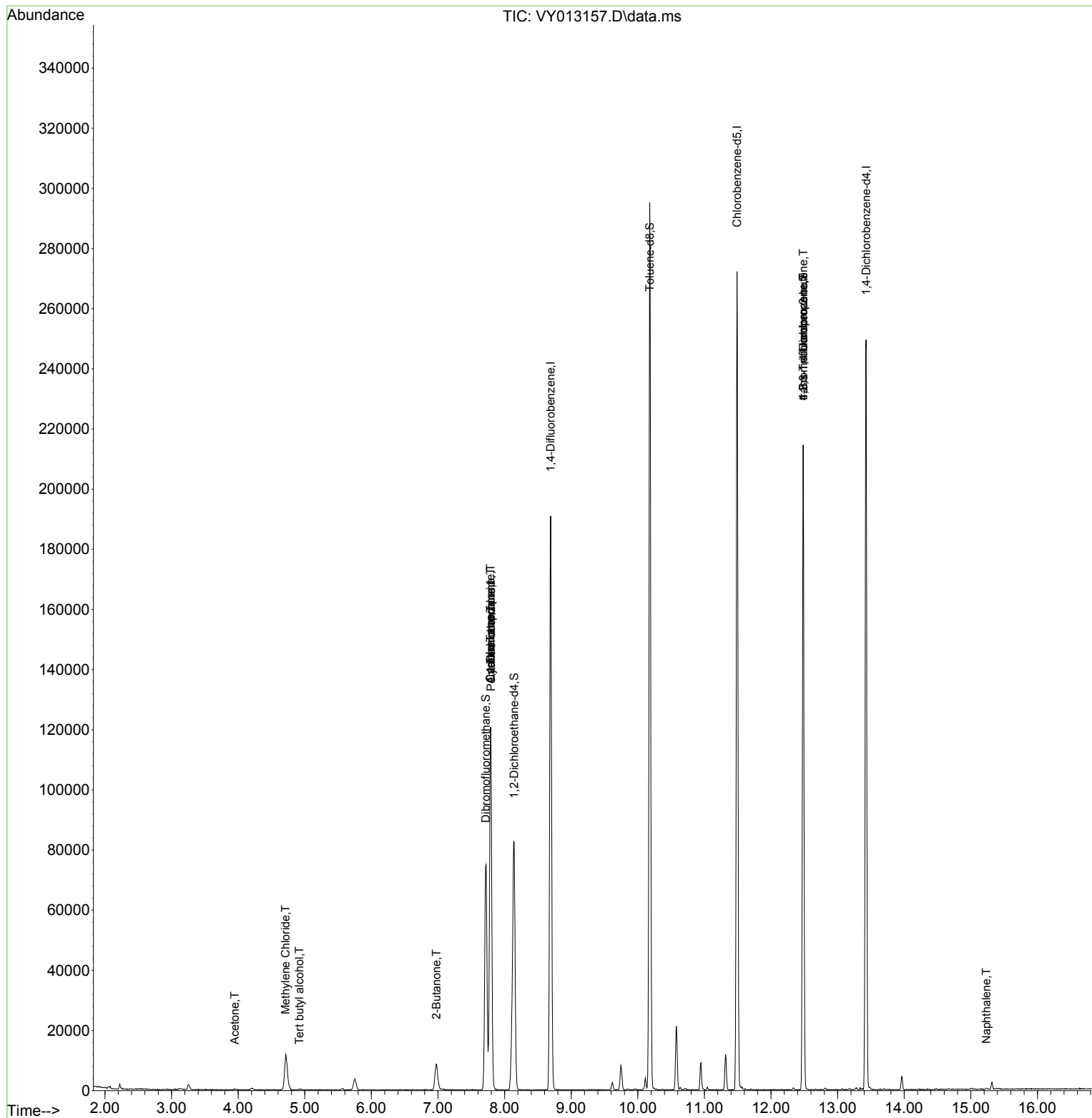
Internal Standards						
1) Pentafluorobenzene	7.795	168	97656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	161328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	149717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58139	55.397	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.800%			
35) Dibromofluoromethane	7.716	113	54114	51.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.179	98	192791	48.457	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.483	95	60272	46.540	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.080%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.917	59	175	1.850	ug/l #	74
16) Acetone	3.948	43	448	1.396	ug/l	95
20) Methylene Chloride	4.710	84	8347	2.424	ug/l	89
25) 2-Butanone	6.978	43	571	1.423	ug/l #	49
31) Cyclohexane	7.789	56	1840	1.074	ug/l #	23
36) 1,1-Dichloropropene	7.789	75	6921	4.362	ug/l #	51
38) Carbon Tetrachloride	7.789	117	9482	5.416	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	31092	40.020	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31092	89.251	ug/l #	13
95) Naphthalene	15.233	128	440	3.392	ug/l #	69

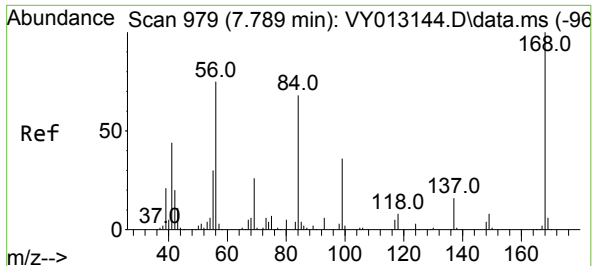
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 00:05:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 31 05:07:15 2023
Response via : Initial Calibration

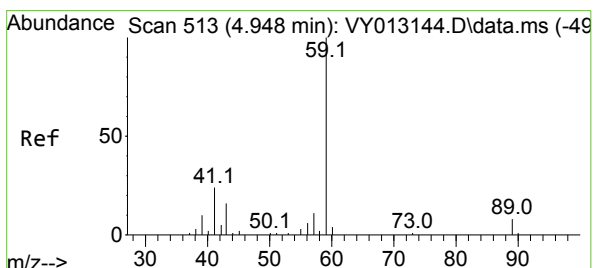
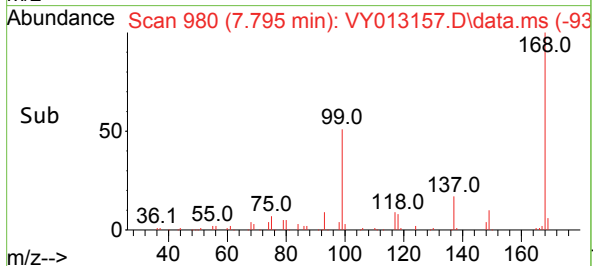
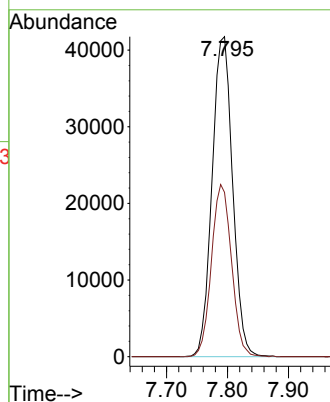
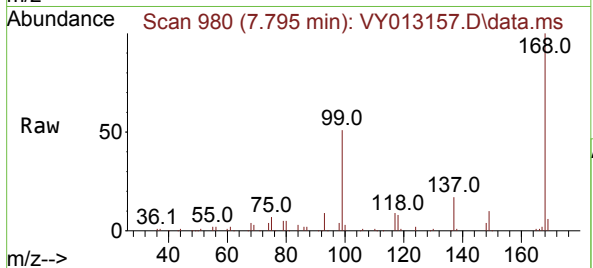




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

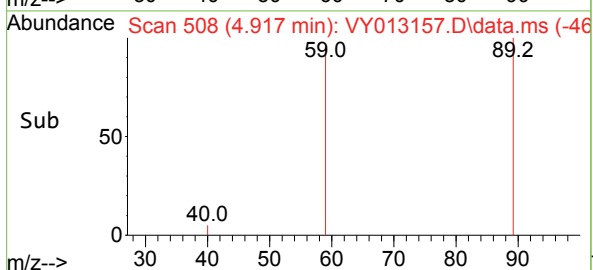
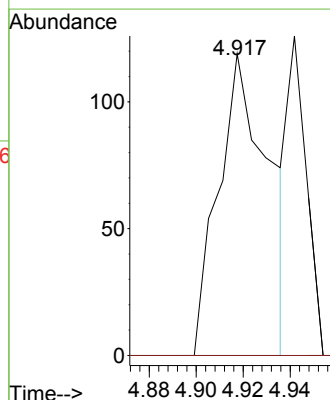
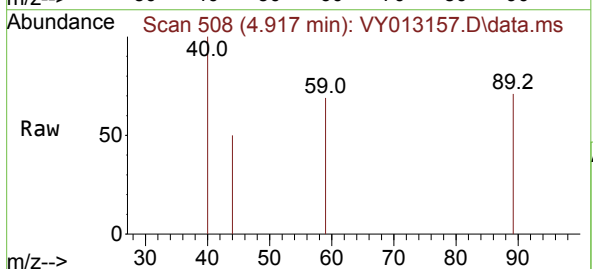
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

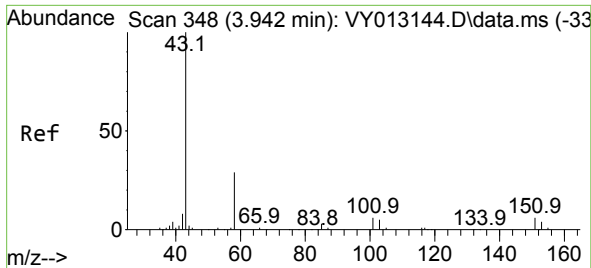
Tgt Ion:168 Resp: 97656
Ion Ratio Lower Upper
168 100
99 51.4 41.7 62.5



#11
Tert butyl alcohol
Concen: 1.850 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.396 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY013157.D

Acq: 31 Mar 2023 10:51

Instrument :

MSVOA_Y

ClientSampleId :

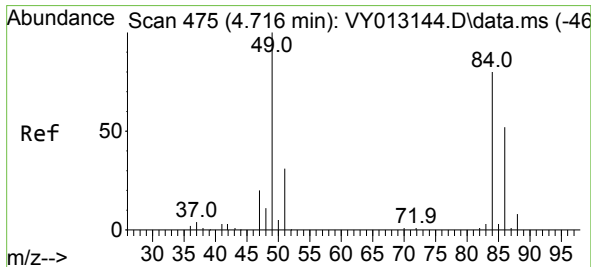
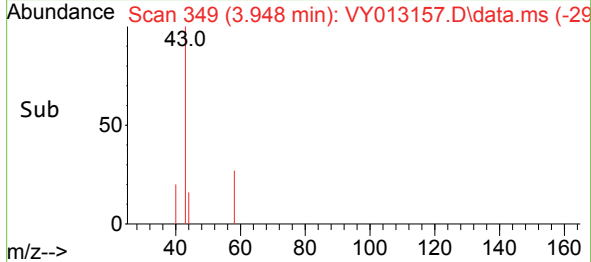
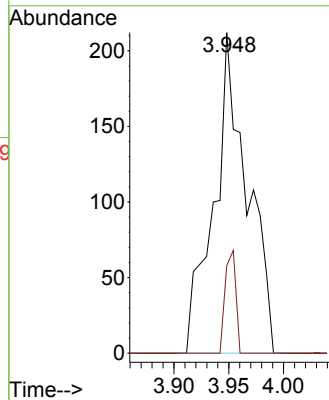
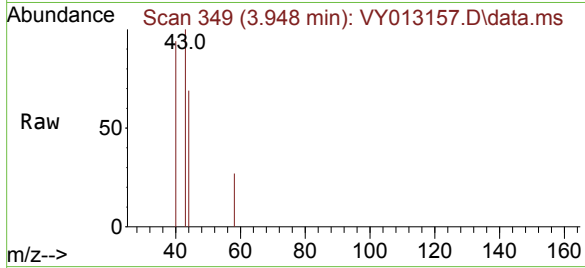
VY0331SBL01

Tgt Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

58 27.4 24.2 36.2



#20

Methylene Chloride

Concen: 2.424 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013157.D

Acq: 31 Mar 2023 10:51

Tgt Ion: 84 Resp: 8347

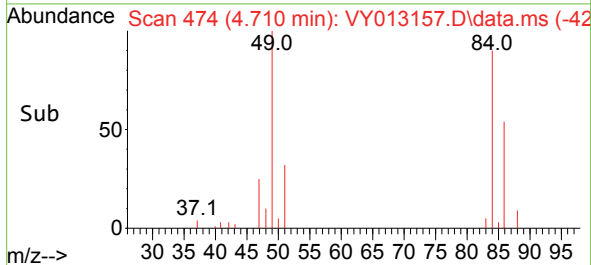
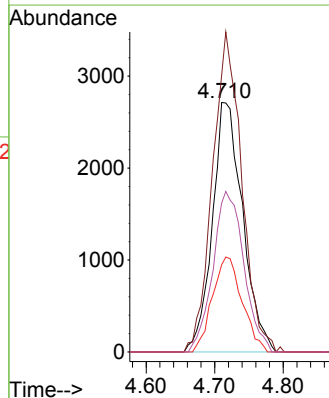
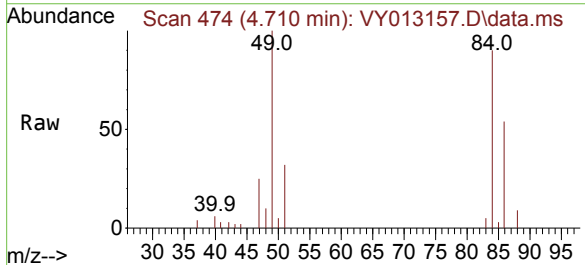
Ion Ratio Lower Upper

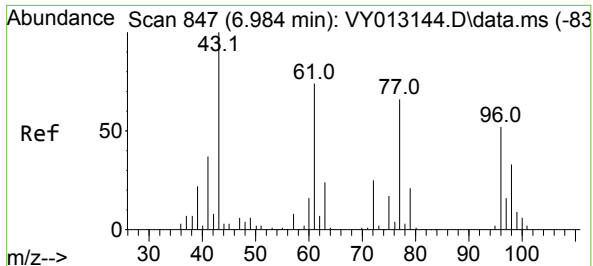
84 100

49 110.9 102.6 154.0

51 35.0 31.9 47.9

86 59.7 51.0 76.6





#25

2-Butanone

Concen: 1.423 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013157.D

Acq: 31 Mar 2023 10:51

Instrument :

MSVOA_Y

ClientSampleId :

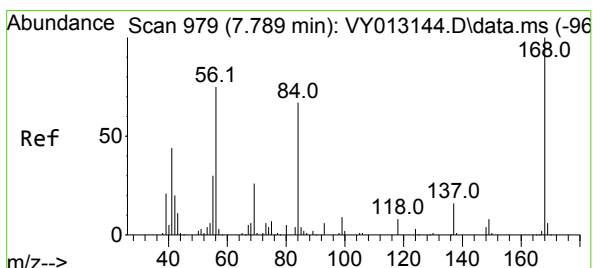
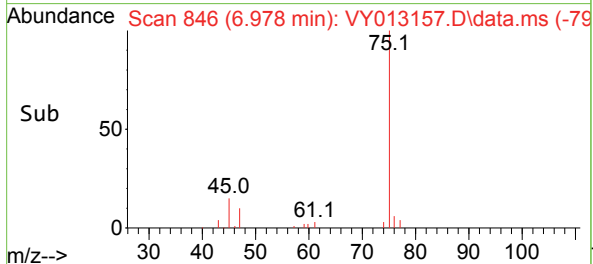
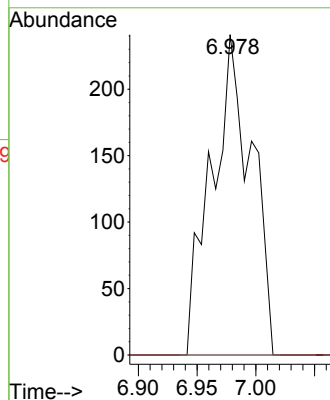
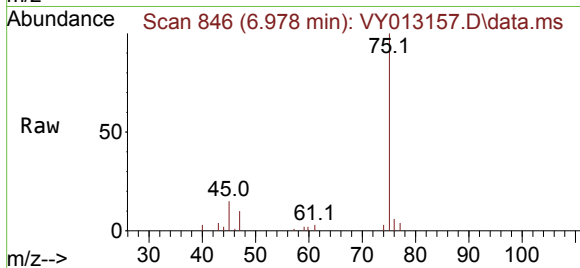
VY0331SBL01

Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY013157.D

Acq: 31 Mar 2023 10:51

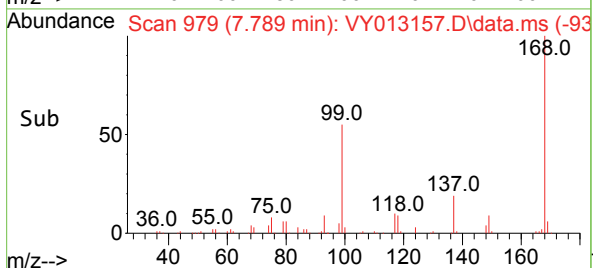
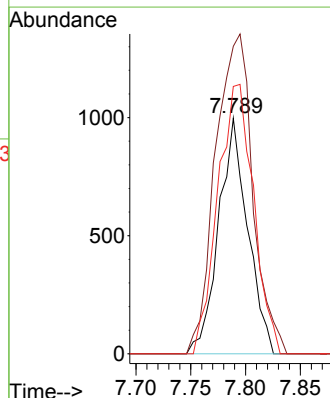
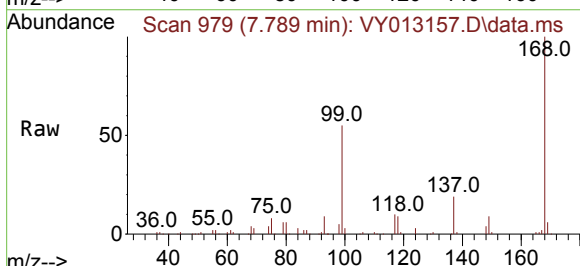
Tgt Ion: 56 Resp: 1840

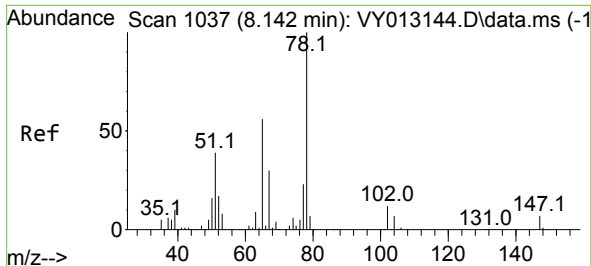
Ion Ratio Lower Upper

56 100

69 130.6 25.7 38.5#

84 113.5 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 55.397 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY013157.D

Acq: 31 Mar 2023 10:51

Instrument :

MSVOA_Y

ClientSampleId :

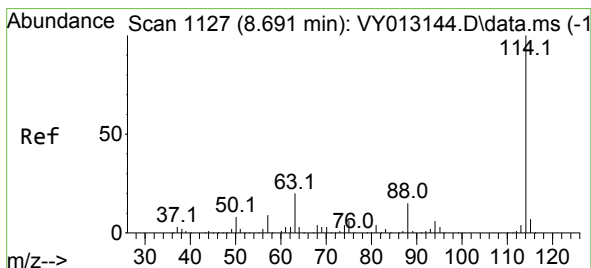
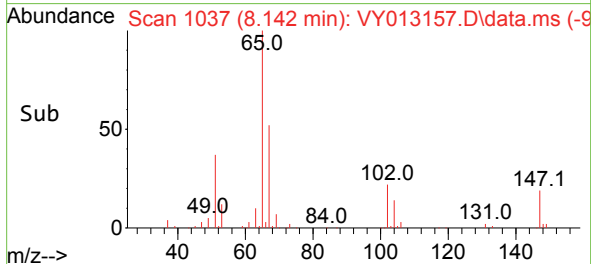
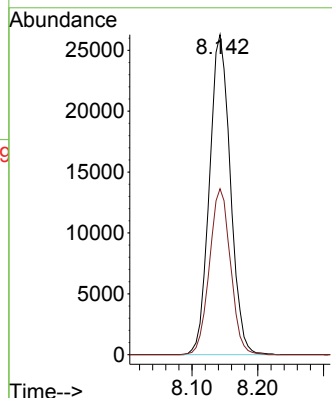
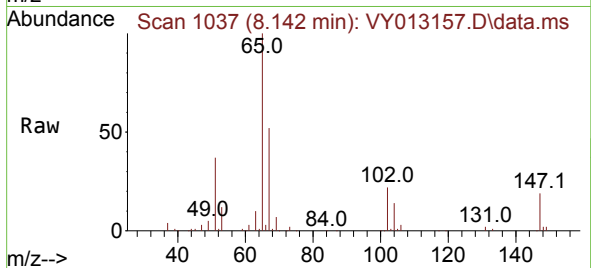
VY0331SBL01

Tgt Ion: 65 Resp: 58139

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013157.D

Acq: 31 Mar 2023 10:51

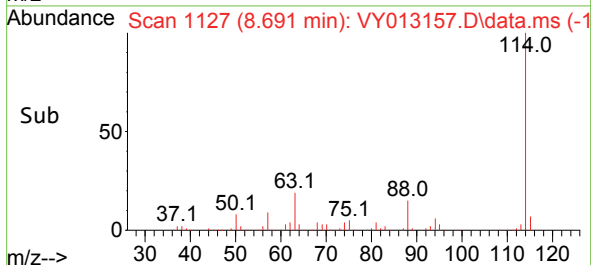
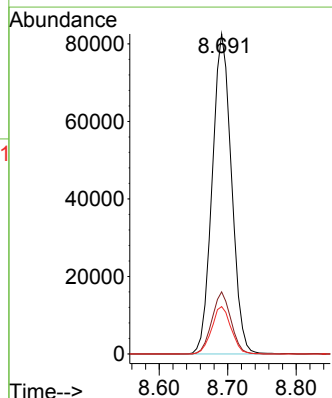
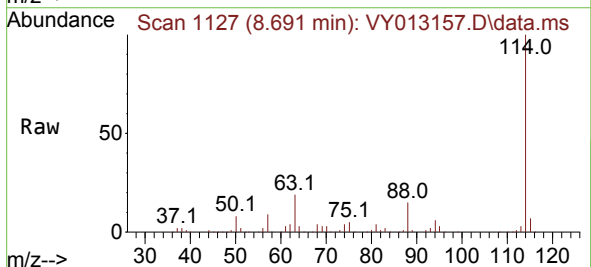
Tgt Ion: 114 Resp: 161328

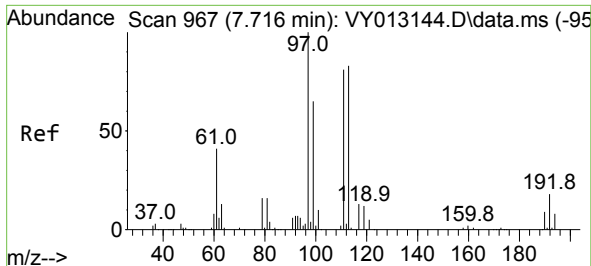
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.8 0.0 28.6

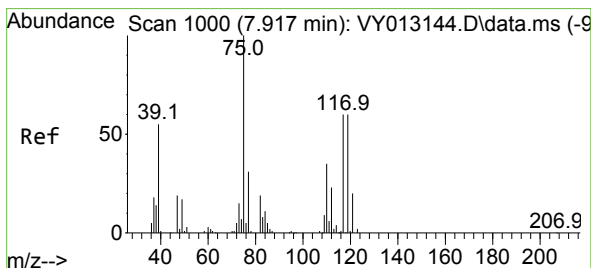
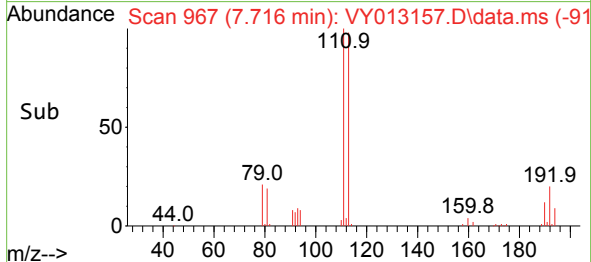
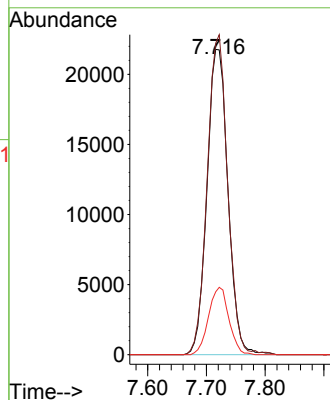
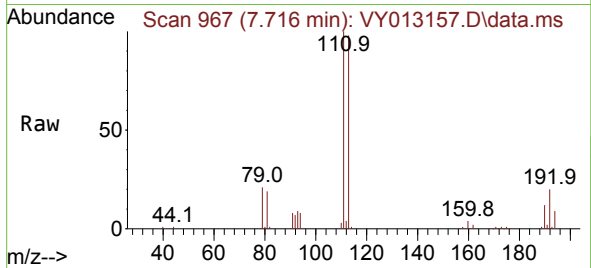




#35
Dibromofluoromethane
Concen: 51.346 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

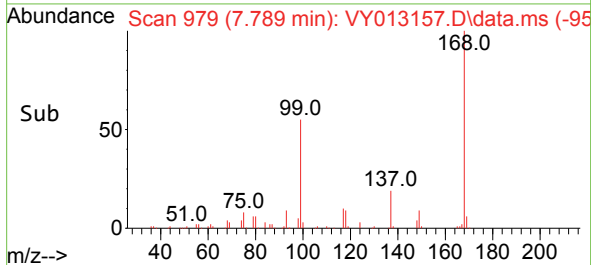
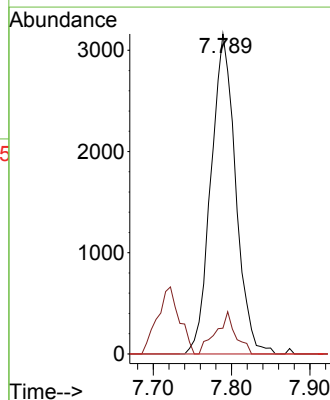
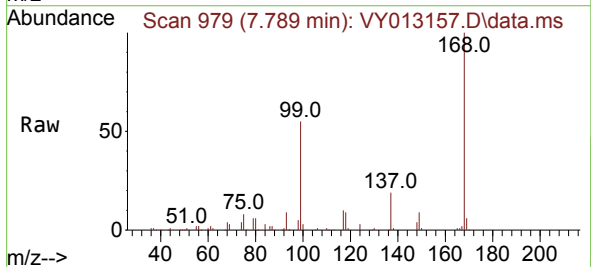
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

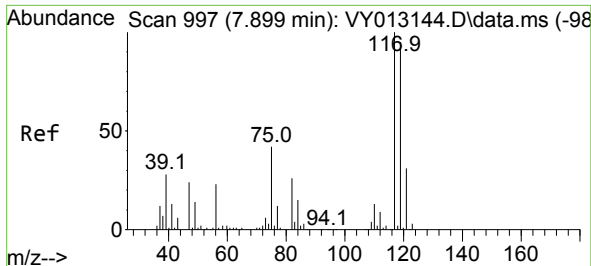
Tgt Ion:113 Resp: 54114
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 21.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.362 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

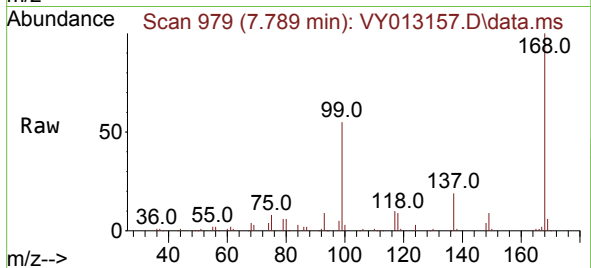
Tgt Ion: 75 Resp: 6921
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.3#
77 0.0 25.0 37.4#



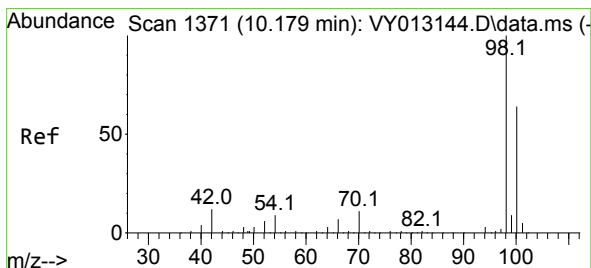
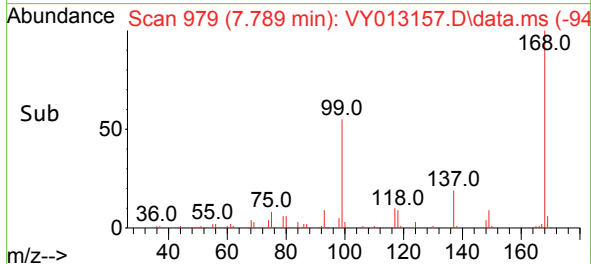
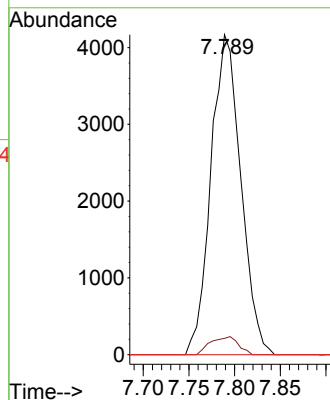


#38
Carbon Tetrachloride
Concen: 5.416 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

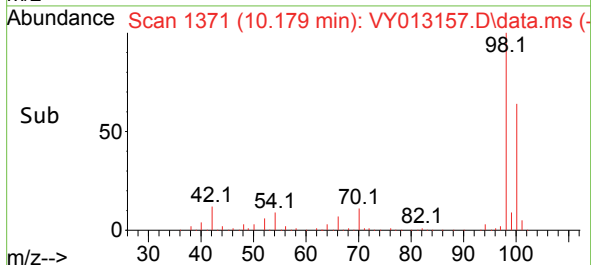
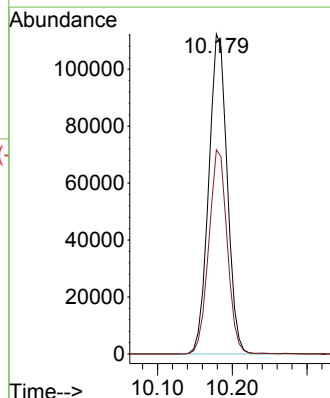
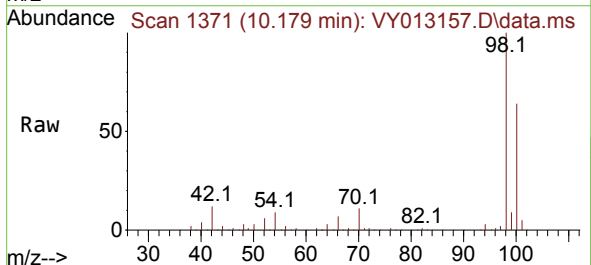


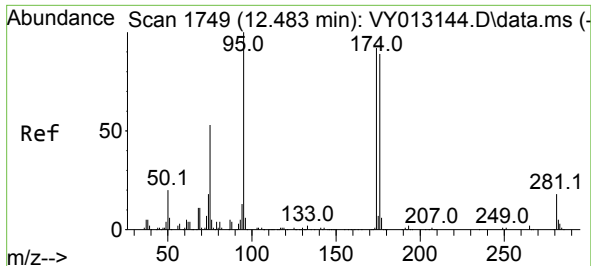
Tgt Ion:117 Resp: 9482
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

Tgt Ion: 98 Resp: 192791
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

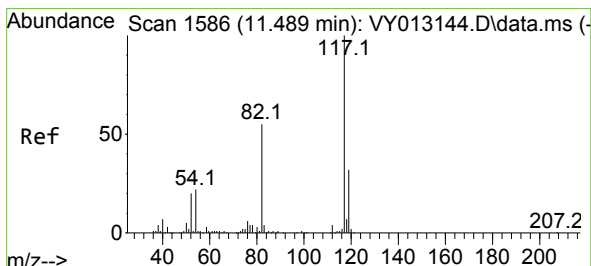
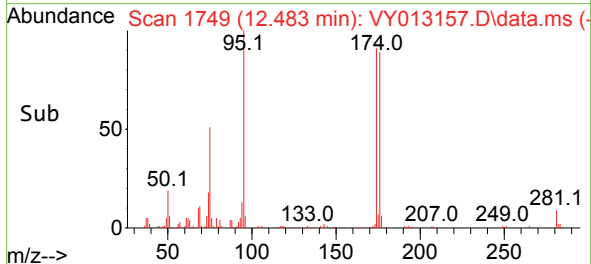
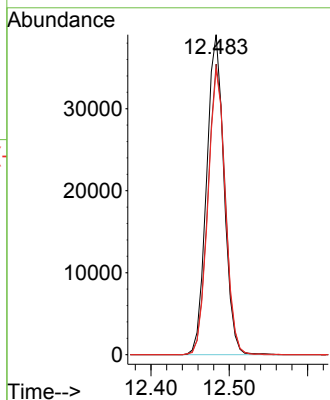
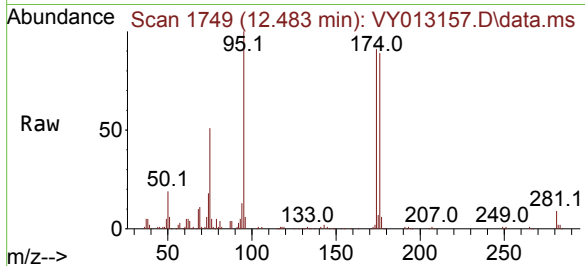




#62
4-Bromofluorobenzene
Concen: 46.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

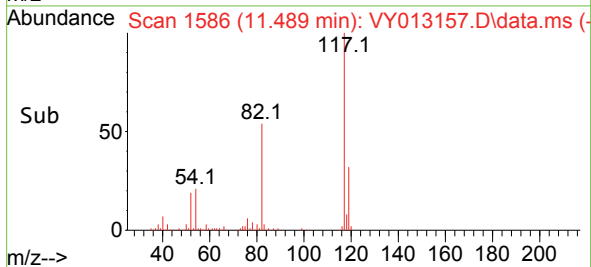
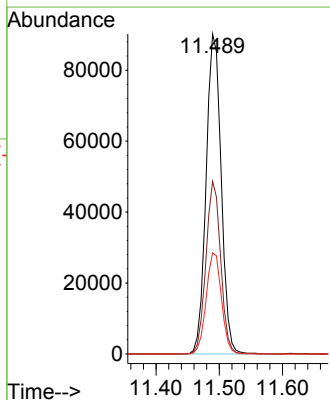
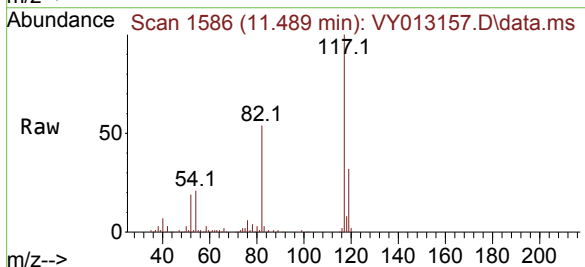
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

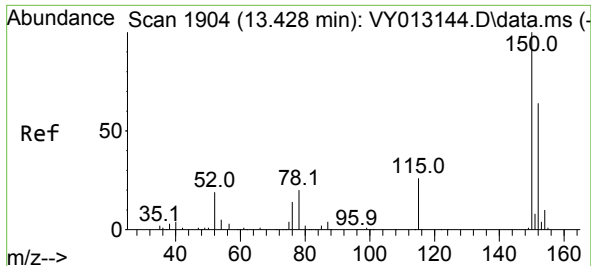
Tgt Ion: 95 Resp: 60272
Ion Ratio Lower Upper
95 100
174 90.6 0.0 176.6
176 88.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

Tgt Ion: 117 Resp: 149717
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 31.6 25.6 38.4

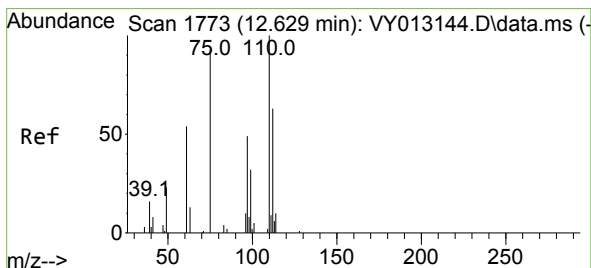
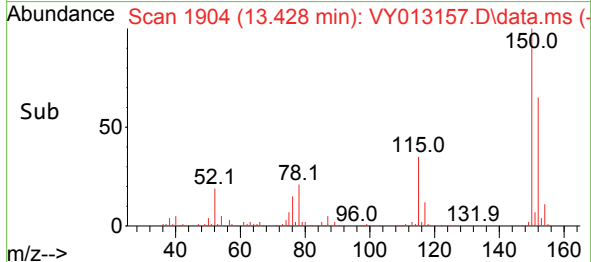
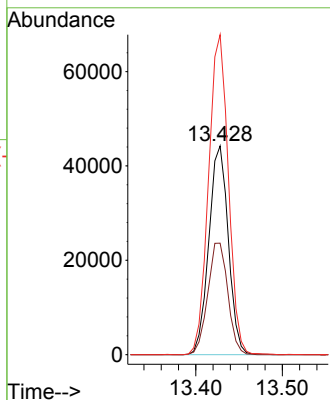
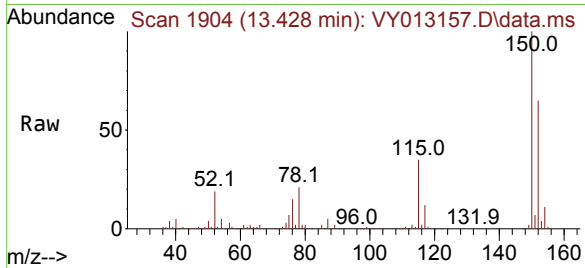




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY013157.D
 Acq: 31 Mar 2023 10:51

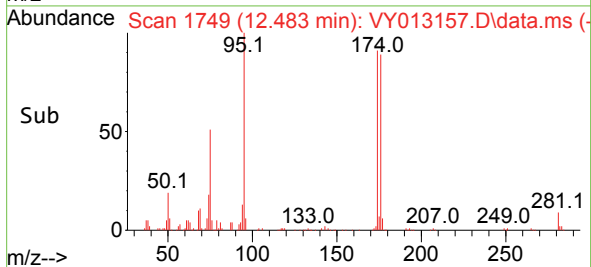
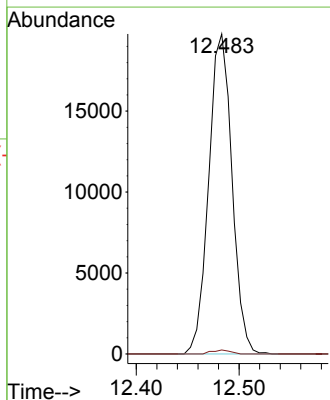
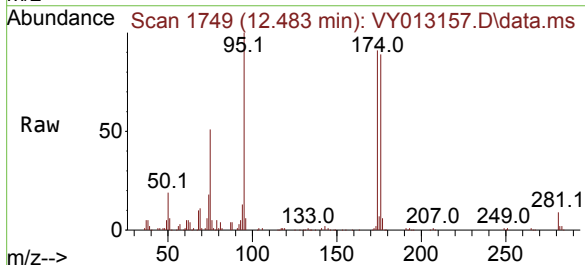
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBL01

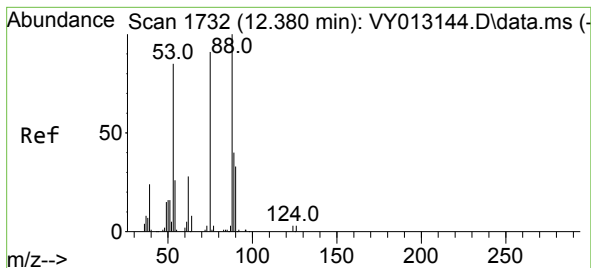
Tgt Ion:152 Resp: 69157
 Ion Ratio Lower Upper
 152 100
 115 55.1 27.1 81.3
 150 155.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 40.020 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013157.D
 Acq: 31 Mar 2023 10:51

Tgt Ion: 75 Resp: 31092
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

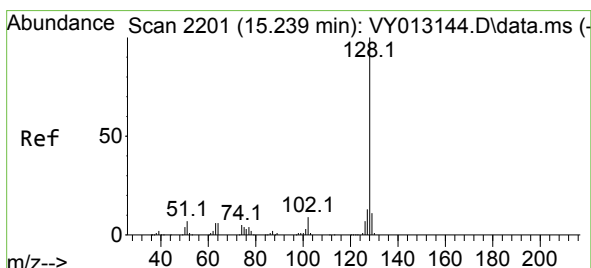
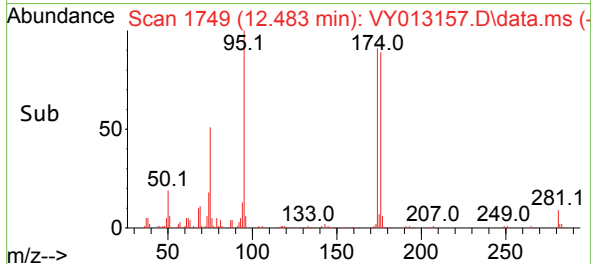
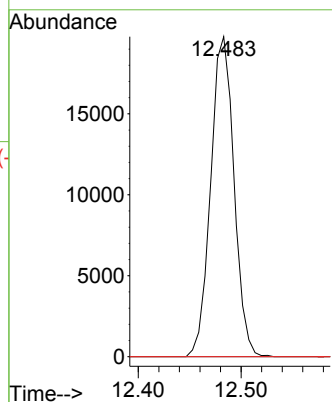
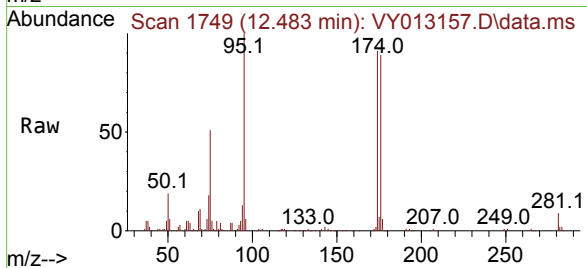




#81
trans-1,4-Dichloro-2-butene
Concen: 89.251 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion: 75 Resp: 31092
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.392 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013157.D
Acq: 31 Mar 2023 10:51

Tgt Ion:128 Resp: 440
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

