

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091223\
 Data File : VY015519.D
 Acq On : 12 Sep 2023 19:46
 Operator : SY/MD
 Sample : 04394-07
 Misc : 4.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 13 05:56:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

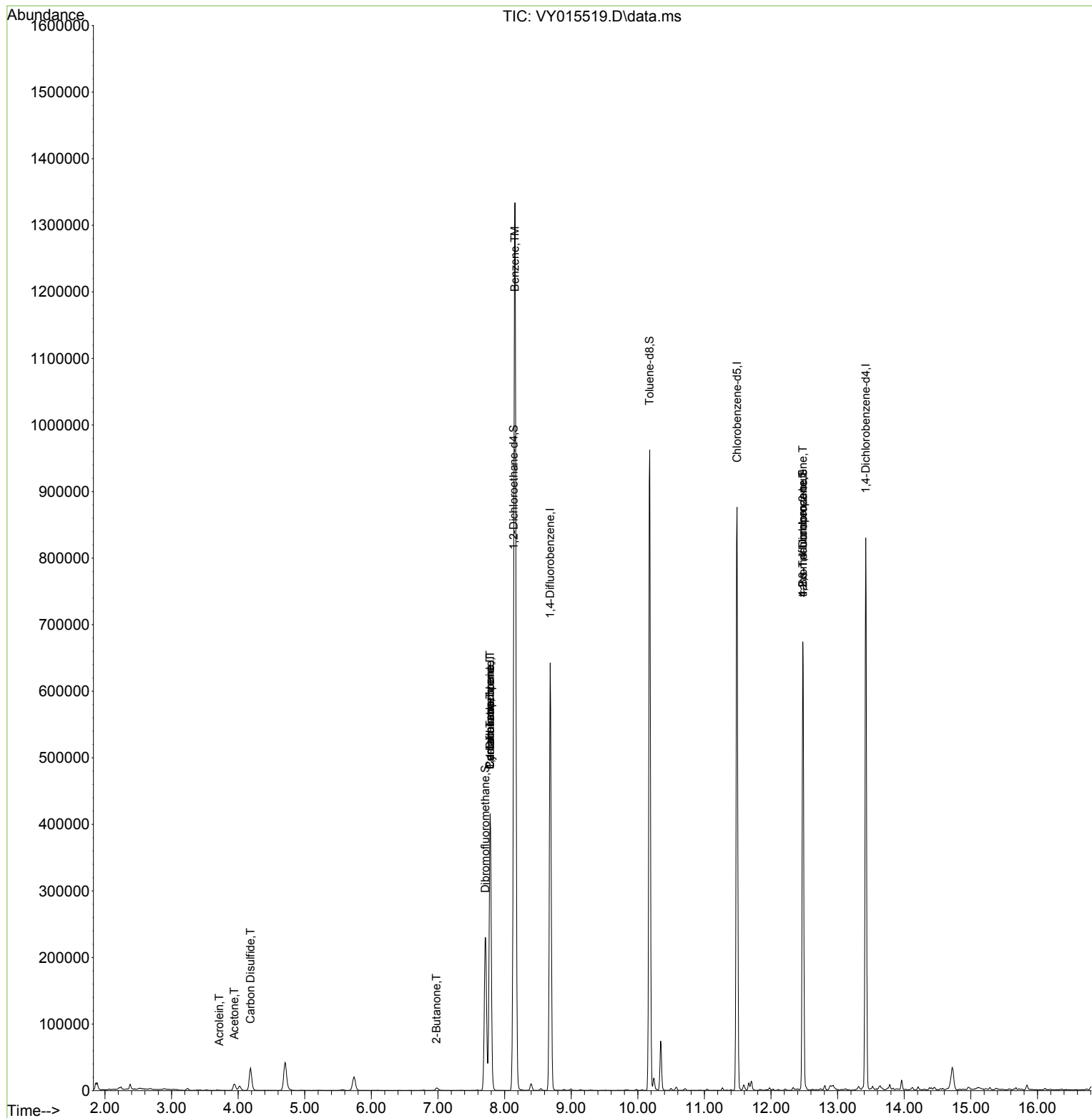
Internal Standards						
1) Pentafluorobenzene	7.783	168	326250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	539334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	476519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	208489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	200027	57.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.380%	
35) Dibromofluoromethane	7.710	113	163233	52.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.179	98	626888	55.725	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.460%	
62) 4-Bromofluorobenzene	12.477	95	202453	48.477	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	690	Below Cal	#	89
13) Acrolein	3.716	56	210	11.852	ug/l #	14
16) Acetone	3.942	43	17148	11.747	ug/l	90
17) Carbon Disulfide	4.186	76	66611	6.870	ug/l	98
25) 2-Butanone	6.978	43	5379	2.598	ug/l	100
31) Cyclohexane	7.783	56	6701	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	24111	4.420	ug/l #	50
38) Carbon Tetrachloride	7.783	117	31819	5.648	ug/l #	16
40) Benzene	8.155	78	1220501	80.200	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	108043	39.078	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	108043	86.202	ug/l #	10

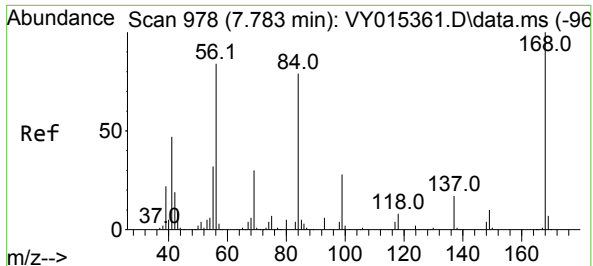
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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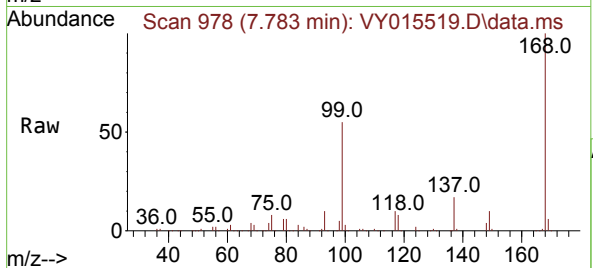
Quant Time: Sep 13 05:56:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



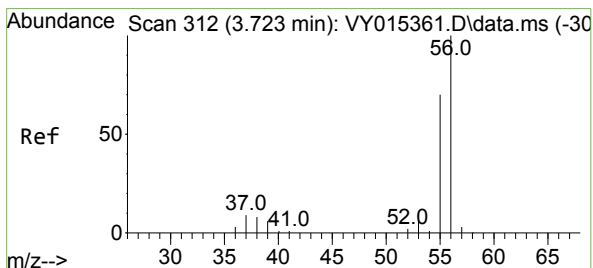
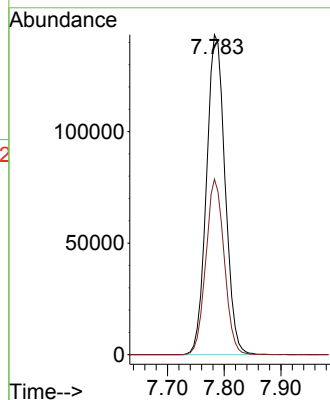
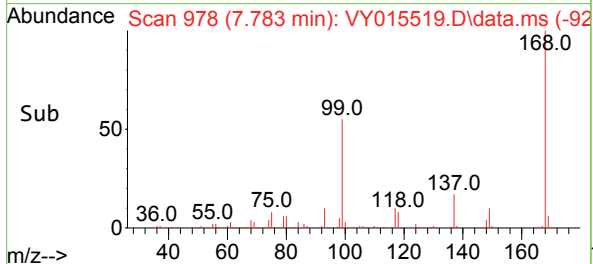


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

Instrument :
MSVOA_Y
ClientSampleId :

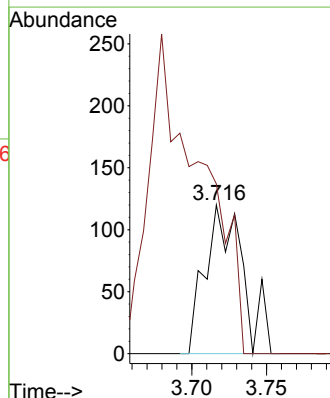
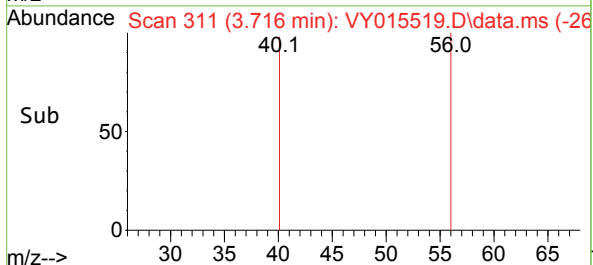
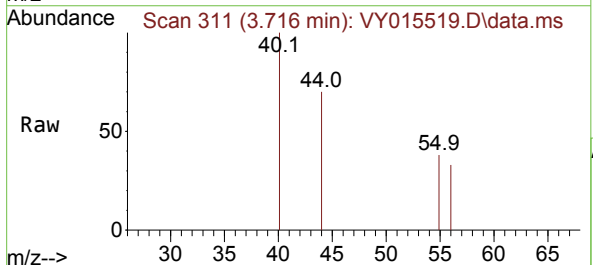


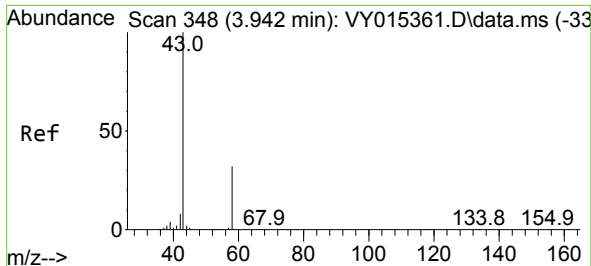
Tgt Ion:168 Resp: 326250
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#13
Acrolein
Concen: 11.852 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

Tgt Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 11.747 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

Instrument :

MSVOA_Y

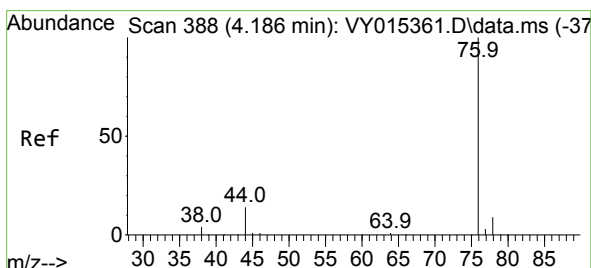
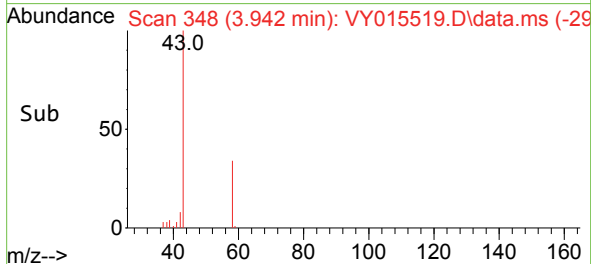
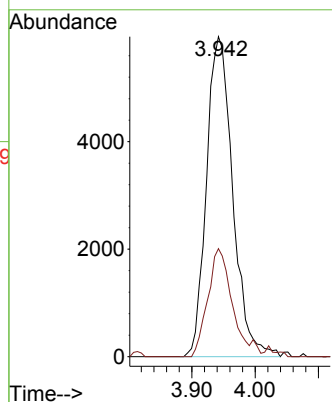
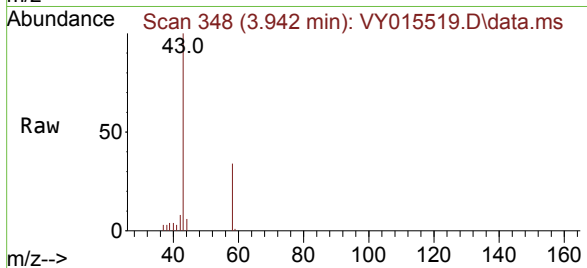
ClientSampleId :

Tgt Ion: 43 Resp: 17148

Ion Ratio Lower Upper

43 100

58 33.7 22.7 34.1



#17

Carbon Disulfide

Concen: 6.870 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY015519.D

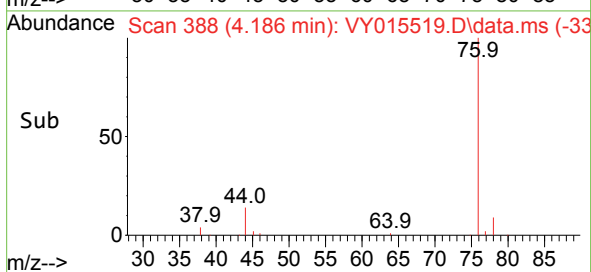
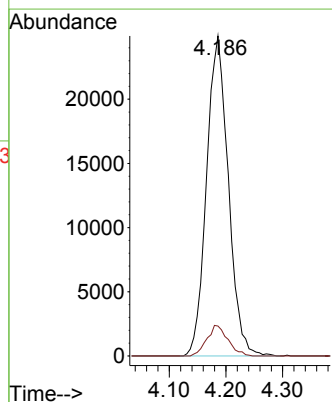
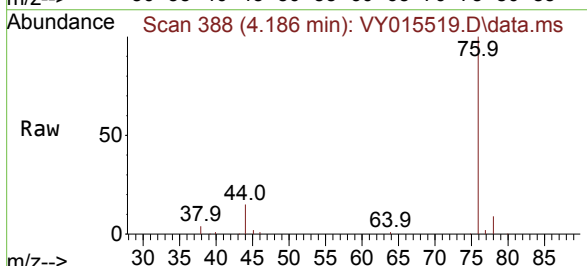
Acq: 12 Sep 2023 19:46

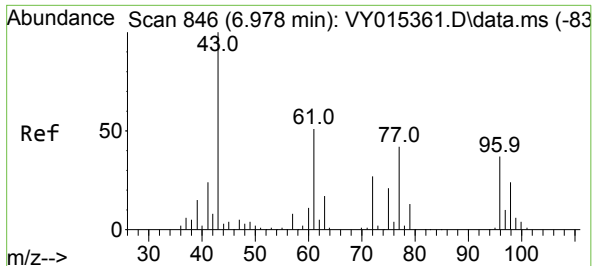
Tgt Ion: 76 Resp: 66611

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4





#25

2-Butanone

Concen: 2.598 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

Instrument :

MSVOA_Y

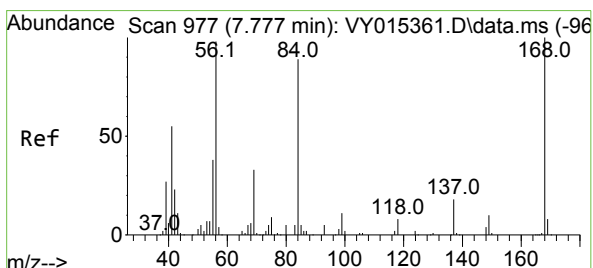
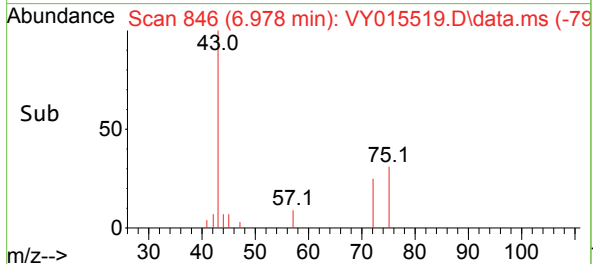
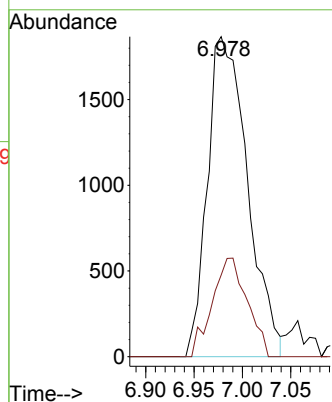
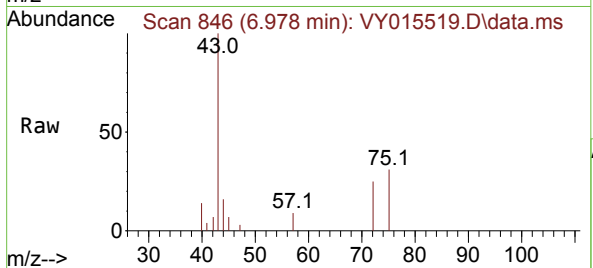
ClientSampleId :

Tgt Ion: 43 Resp: 5379

Ion Ratio Lower Upper

43 100

72 25.5 20.5 30.7



#31

Cyclohexane

Concen: 1.079 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

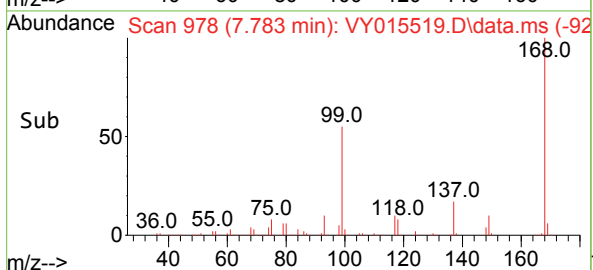
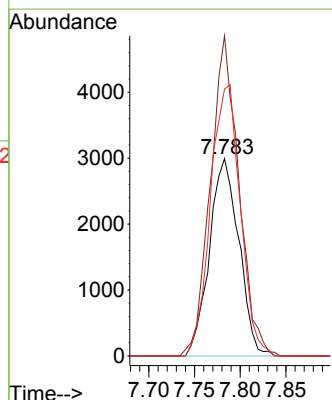
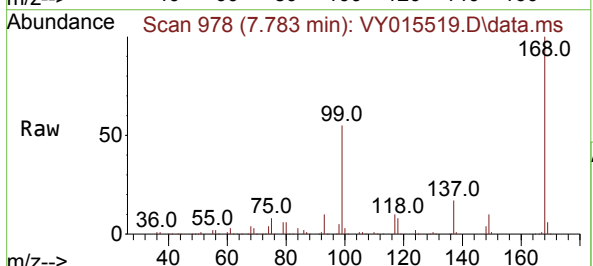
Tgt Ion: 56 Resp: 6701

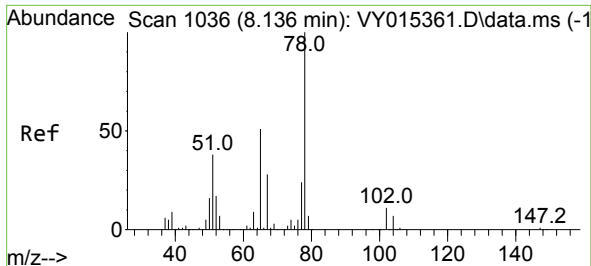
Ion Ratio Lower Upper

56 100

69 162.2 27.8 41.6#

84 135.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.194 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

Instrument :

MSVOA_Y

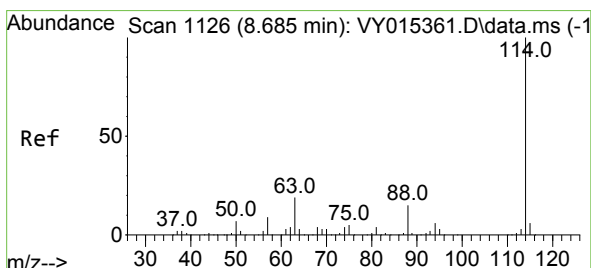
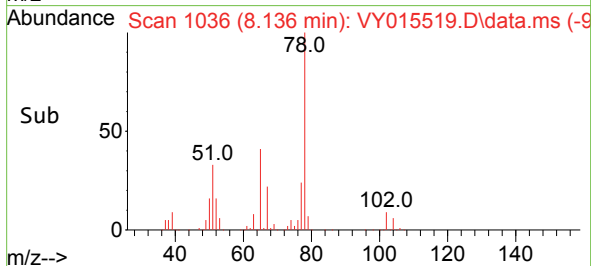
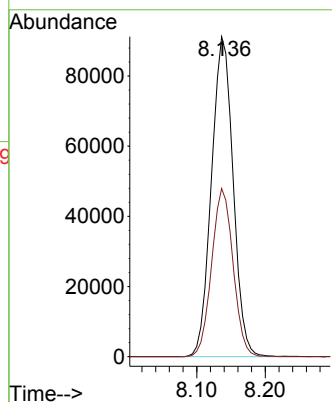
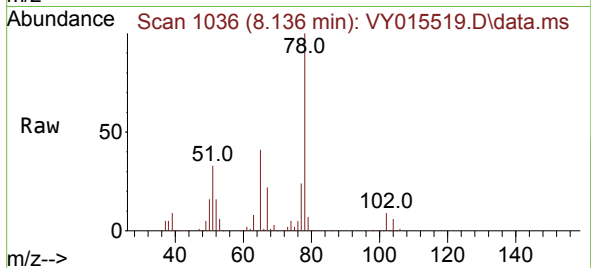
ClientSampleId :

Tgt Ion: 65 Resp: 200027

Ion Ratio Lower Upper

65 100

67 52.0 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: VY015519.D

Acq: 12 Sep 2023 19:46

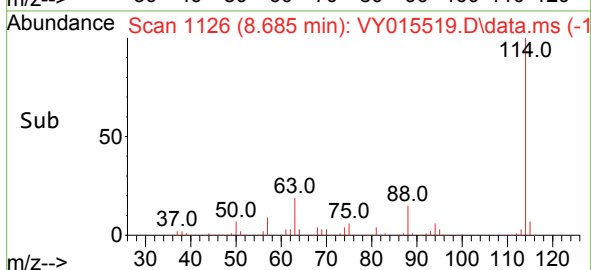
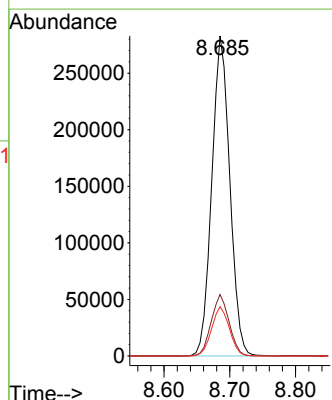
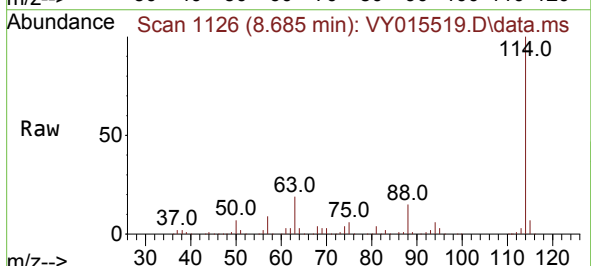
Tgt Ion: 114 Resp: 539334

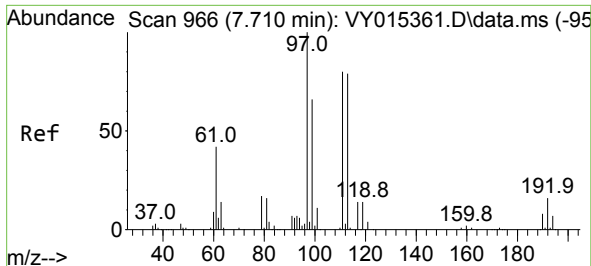
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.4 0.0 30.6

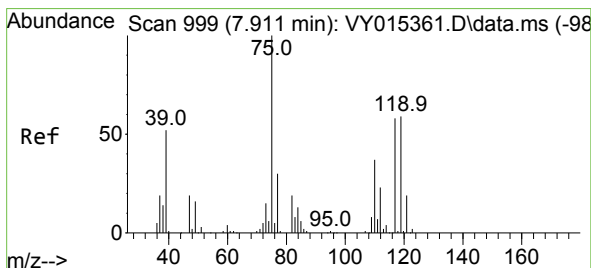
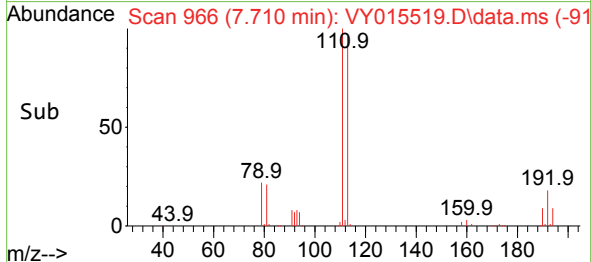
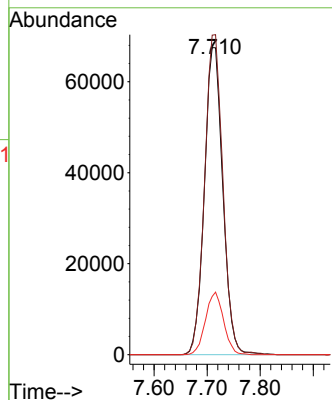
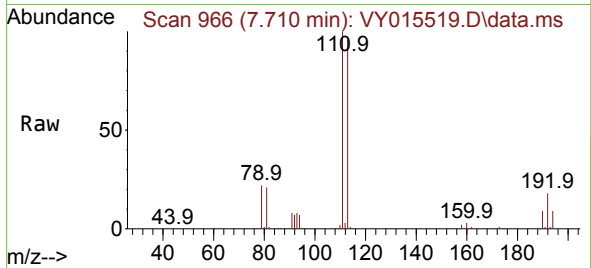




#35
Dibromofluoromethane
Concen: 52.546 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

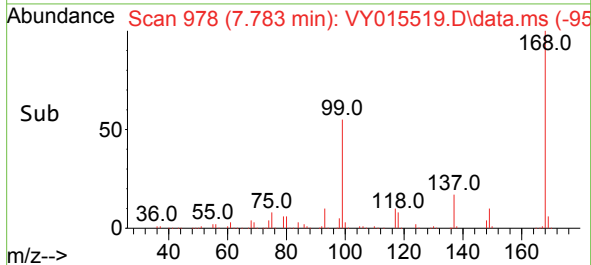
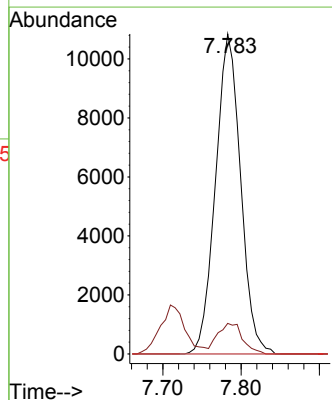
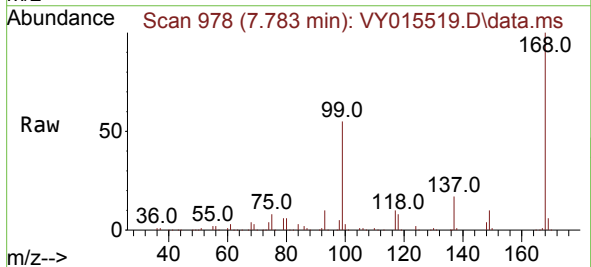
Instrument :
MSVOA_Y
ClientSampleId :

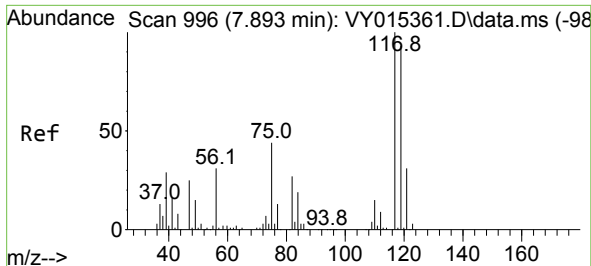
Tgt Ion:113 Resp: 163233
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.420 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

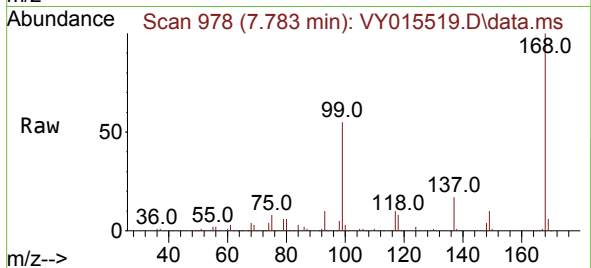
Tgt Ion: 75 Resp: 24111
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



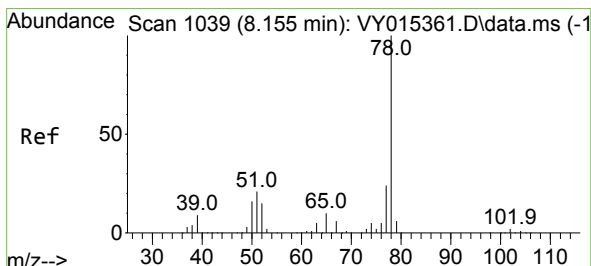
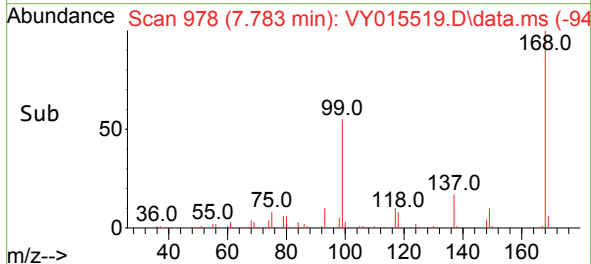
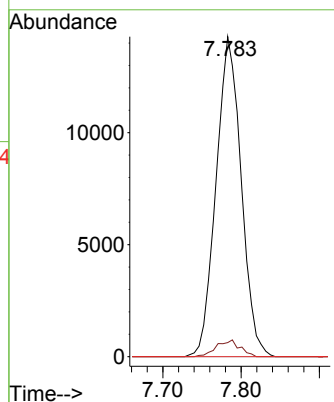


#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

Instrument :
MSVOA_Y
ClientSampleId :

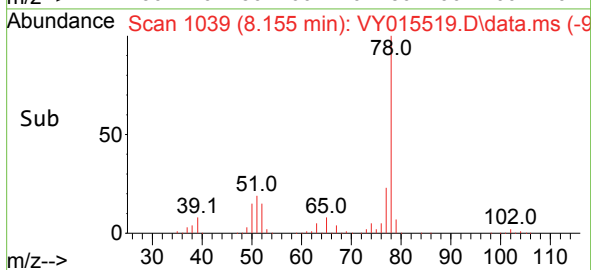
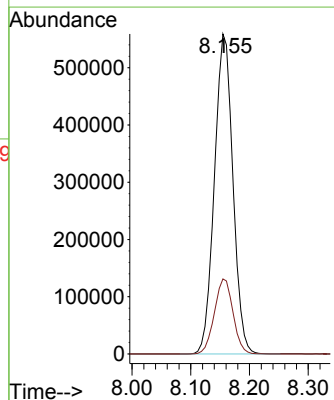
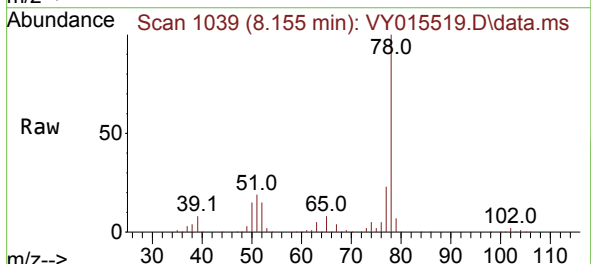


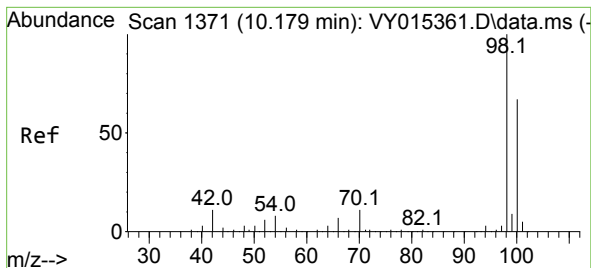
Tgt Ion:117 Resp: 31819
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 80.200 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

Tgt Ion: 78 Resp: 1220501
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6





#50

Toluene-d8

Concen: 55.725 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

Instrument :

MSVOA_Y

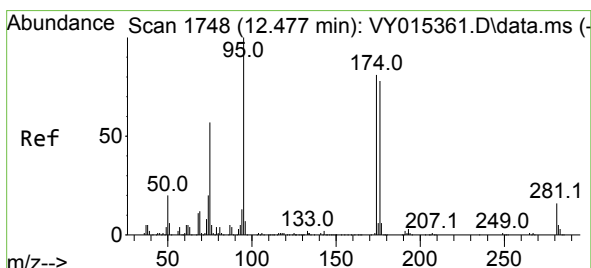
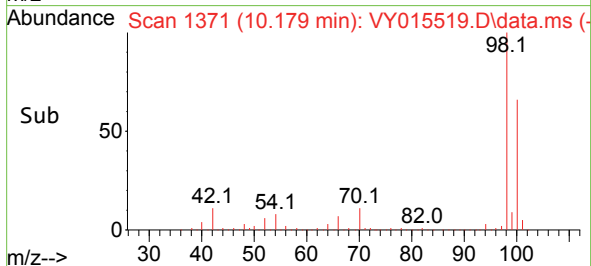
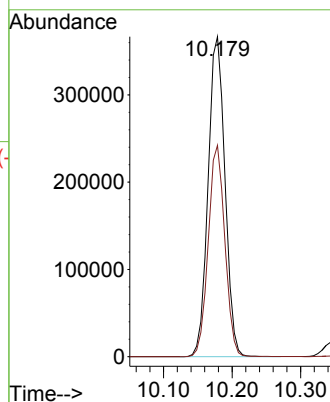
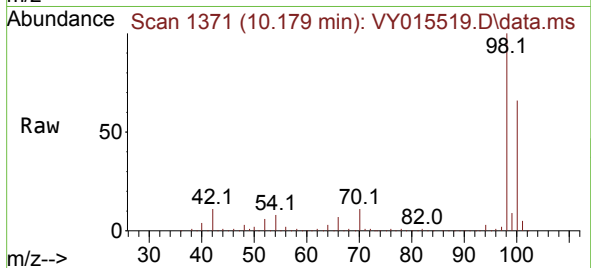
ClientSampleId :

Tgt Ion: 98 Resp: 626888

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.477 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

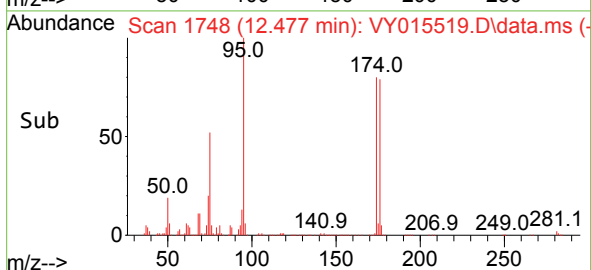
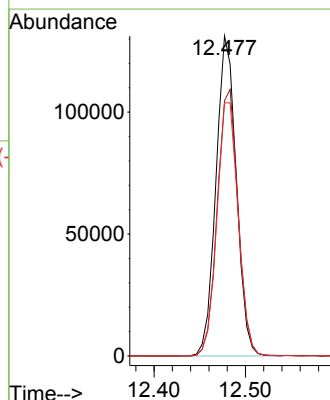
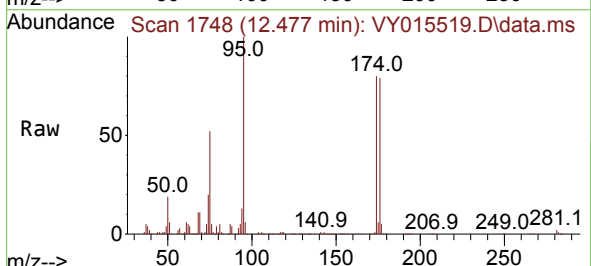
Tgt Ion: 95 Resp: 202453

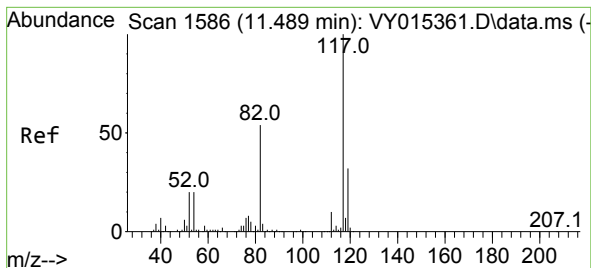
Ion Ratio Lower Upper

95 100

174 85.9 0.0 178.2

176 83.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

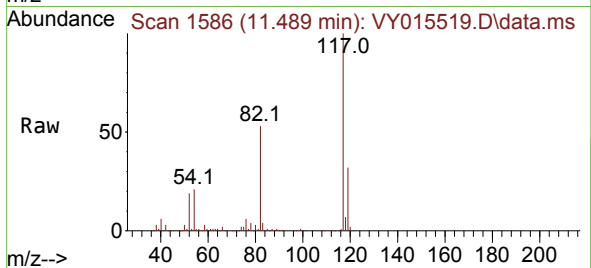
Lab File: VY015519.D

Acq: 12 Sep 2023 19:46

Instrument :

MSVOA_Y

ClientSampleId :



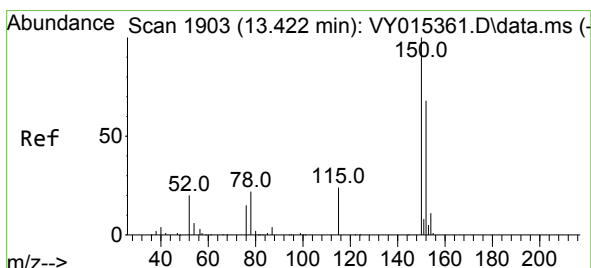
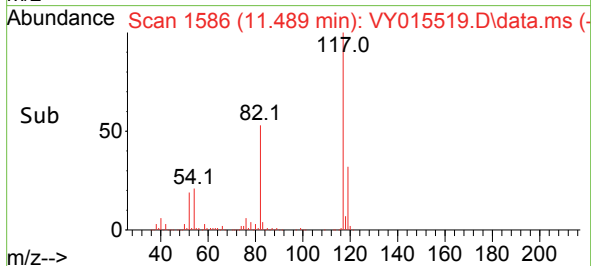
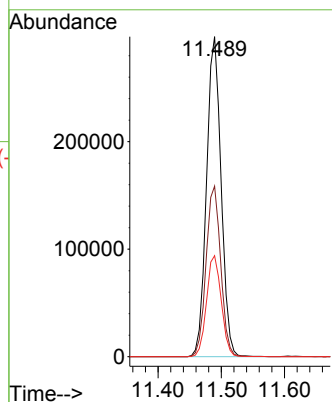
Tgt Ion:117 Resp: 476519

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.6 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: VY015519.D

Acq: 12 Sep 2023 19:46

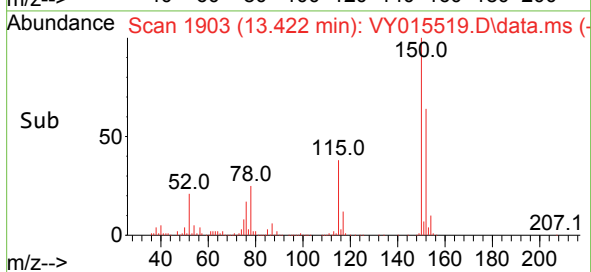
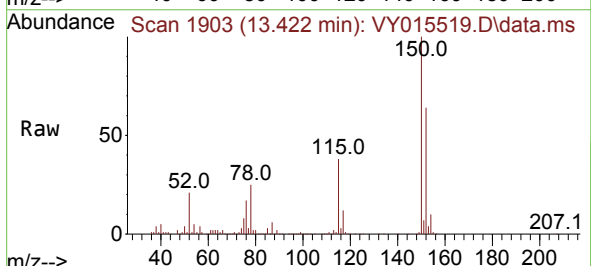
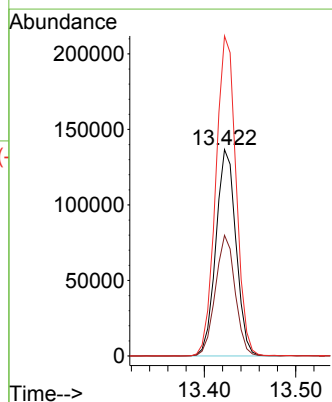
Tgt Ion:152 Resp: 208489

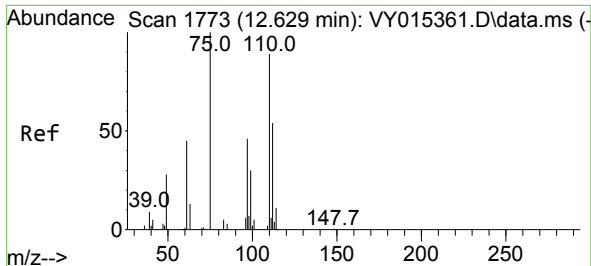
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 156.8 0.0 348.8

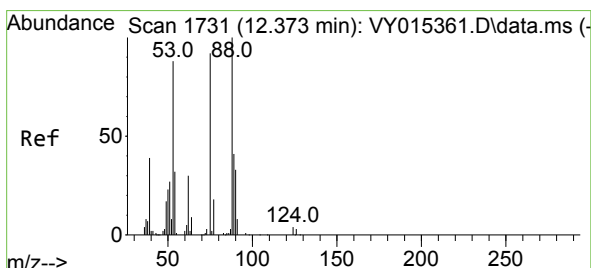
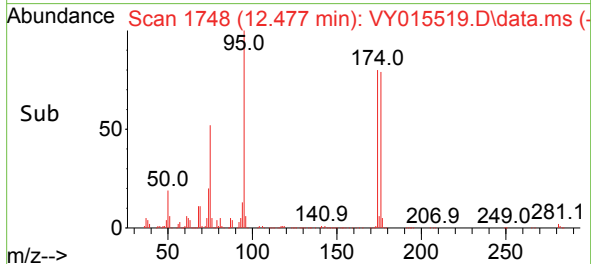
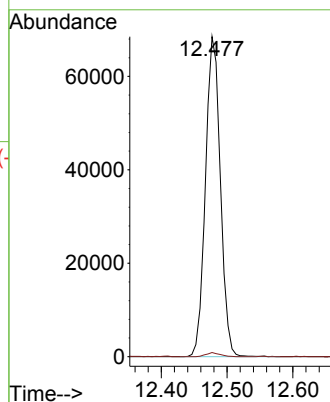
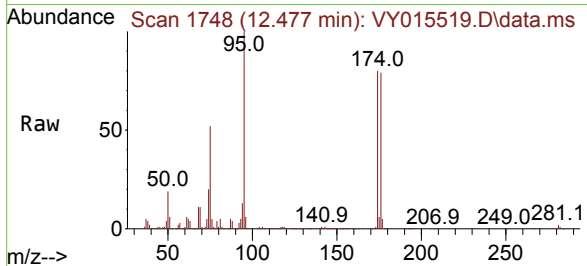




#76
1,2,3-Trichloropropane
Concen: 39.078 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 108043
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.202 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015519.D
Acq: 12 Sep 2023 19:46

Tgt Ion: 75 Resp: 108043
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

