

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015547.D
 Acq On : 14 Sep 2023 20:36
 Operator : SY/MD
 Sample : 04351-09
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 04:06:29 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)

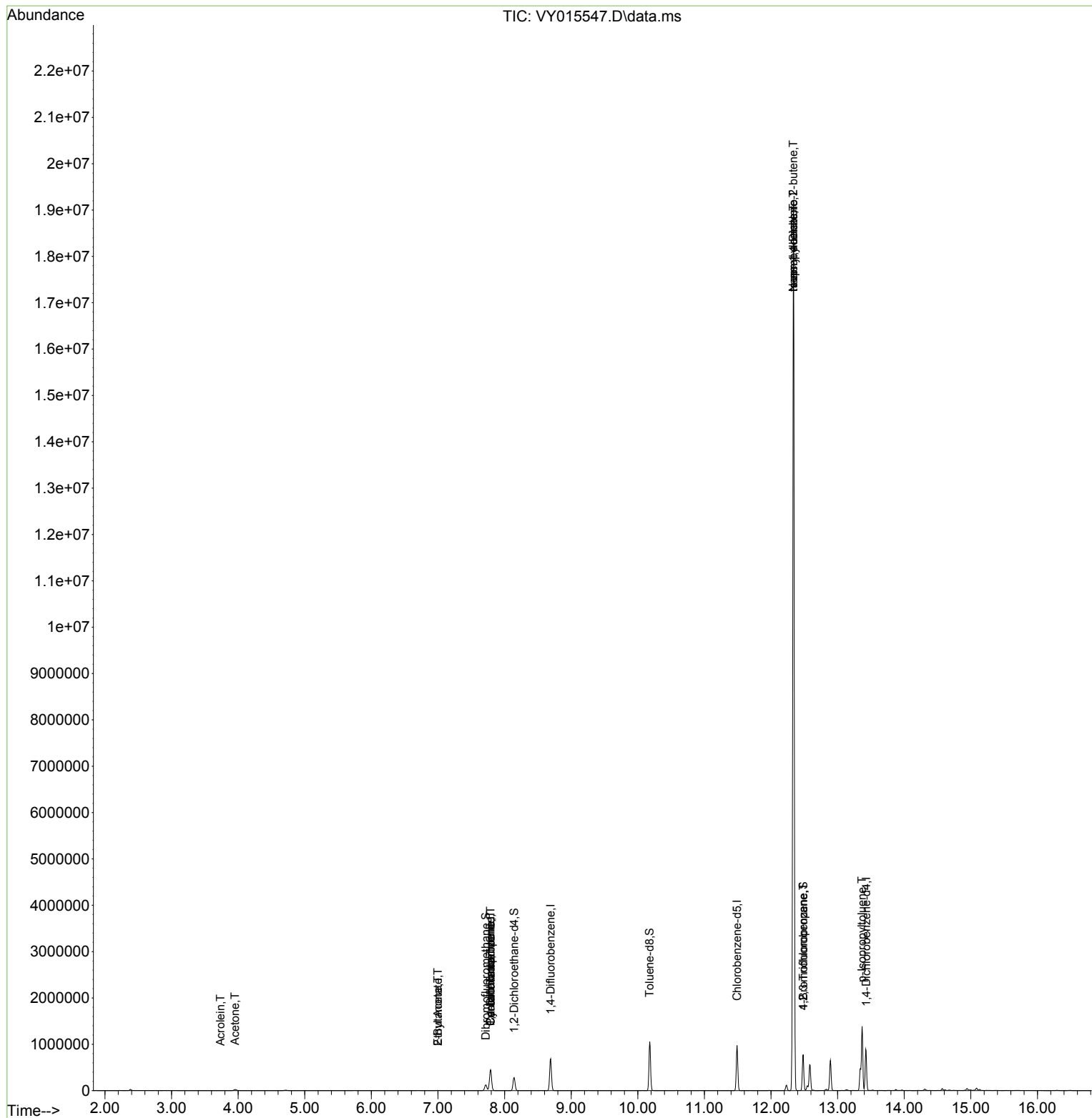
Internal Standards						
1) Pentafluorobenzene	7.789	168	351196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	588197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	523283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	225806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	226500	60.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.320%	
35) Dibromofluoromethane	7.715	113	85812	25.329	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 50.660%#	
50) Toluene-d8	10.178	98	687937	56.072	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.140%	
62) 4-Bromofluorobenzene	12.483	95	235385	51.680	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	184	Below Cal	#	89
13) Acrolein	3.735	56	144	11.777	ug/l #	29
16) Acetone	3.954	43	46832	29.803	ug/l	97
20) Methylene Chloride	4.710	84	8030	Below Cal	#	82
25) 2-Butanone	6.996	43	7426	3.332	ug/l	90
31) Cyclohexane	7.789	56	7340	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	26111	4.389	ug/l #	50
37) Ethyl Acetate	6.996	43	7426	1.619	ug/l #	71
38) Carbon Tetrachloride	7.789	117	35007	5.698	ug/l #	16
73) Isopropylbenzene	12.337	105	743387	43.829	ug/l #	57
74) N-amyl acetate	12.337	43	326609	57.317	ug/l #	10
76) 1,2,3-Trichloropropane	12.483	75	125252	41.828	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.337	75	22512	16.584	ug/l #	1
86) p-Isopropyltoluene	13.367	119	757743	48.782	ug/l	98

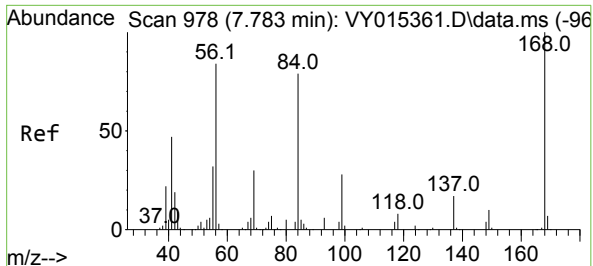
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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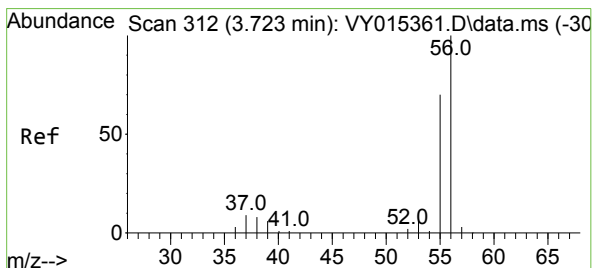
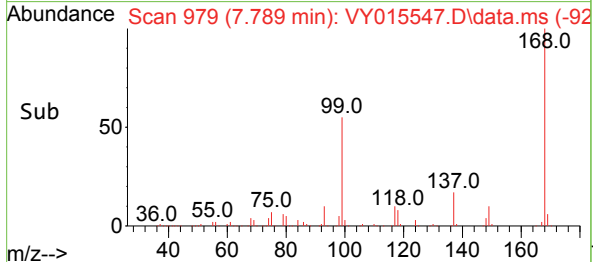
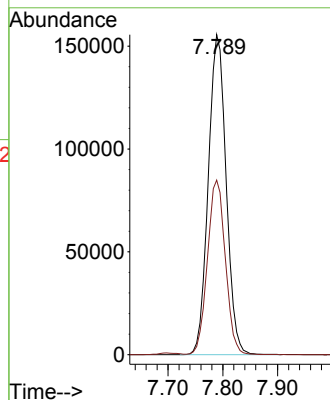
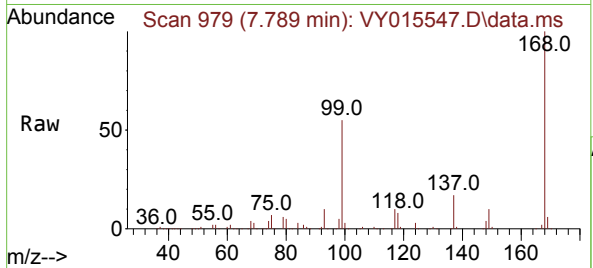




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

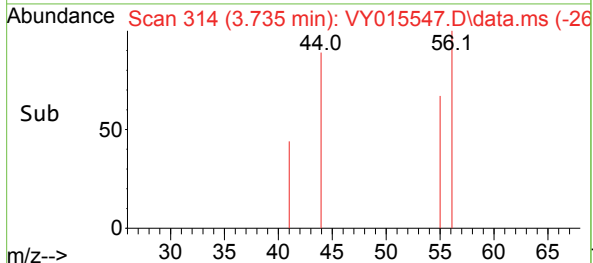
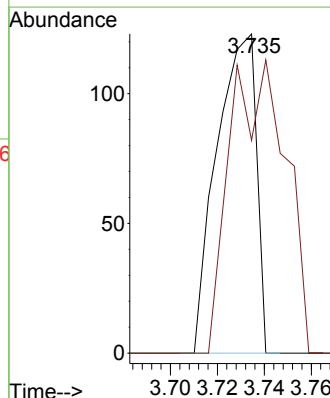
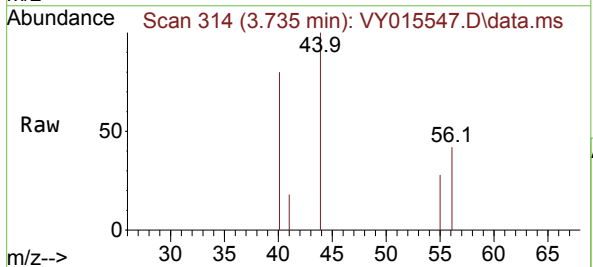
Instrument :
MSVOA_Y
ClientSampleId :

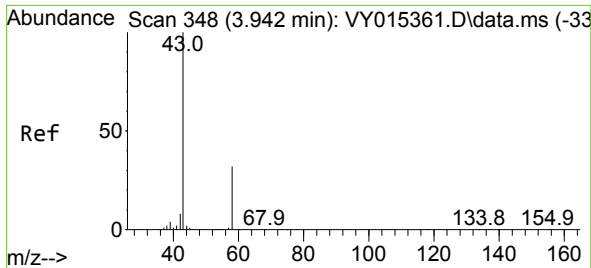
Tgt Ion:168 Resp: 351196
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#13
Acrolein
Concen: 11.777 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.012 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 129.9 57.0 85.4#





#16

Acetone

Concen: 29.803 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY015547.D

Acq: 14 Sep 2023 20:36

Instrument :

MSVOA_Y

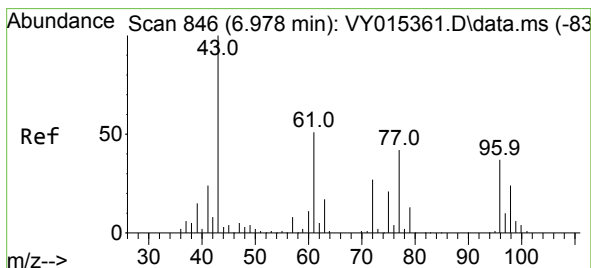
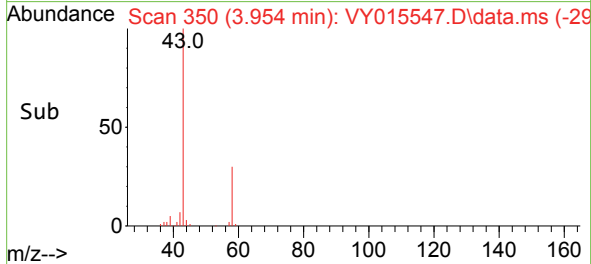
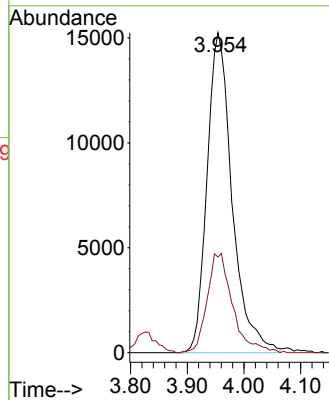
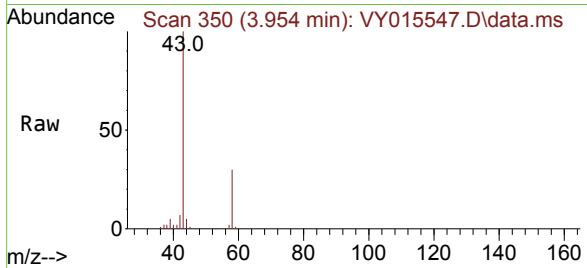
ClientSampleId :

Tgt Ion: 43 Resp: 46832

Ion Ratio Lower Upper

43 100

58 29.9 22.7 34.1



#25

2-Butanone

Concen: 3.332 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.018 min

Lab File: VY015547.D

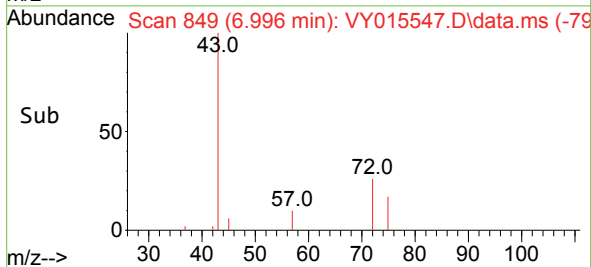
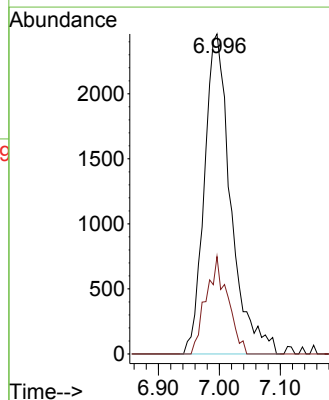
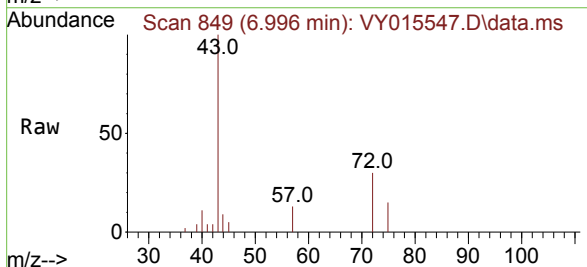
Acq: 14 Sep 2023 20:36

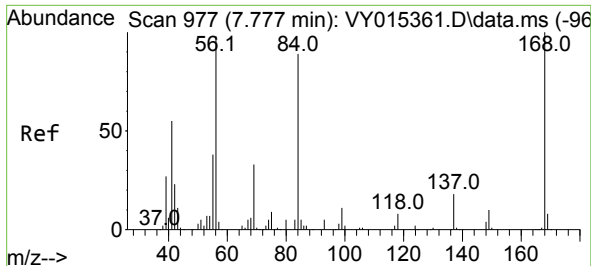
Tgt Ion: 43 Resp: 7426

Ion Ratio Lower Upper

43 100

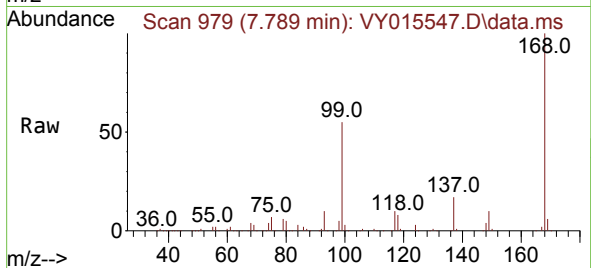
72 30.4 20.5 30.7



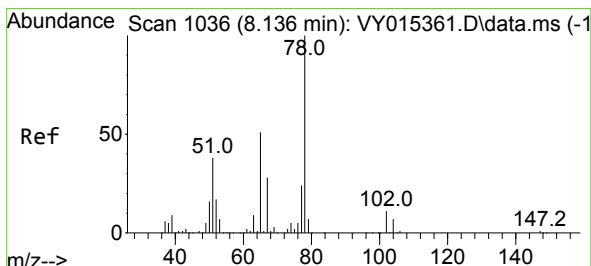
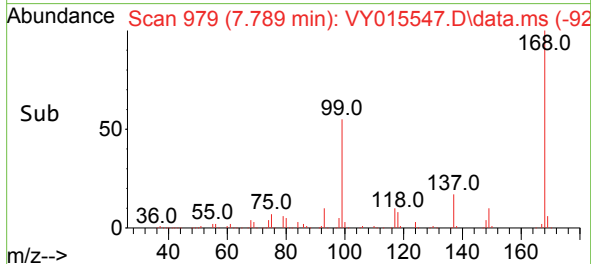
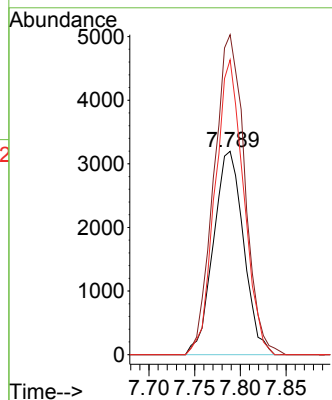


#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :

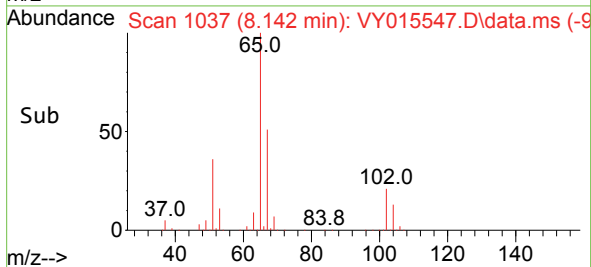
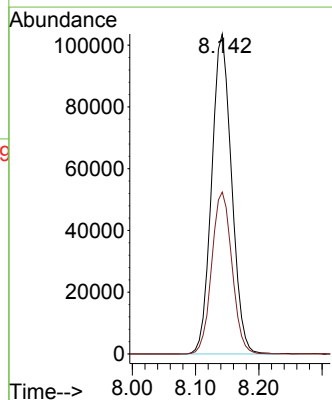
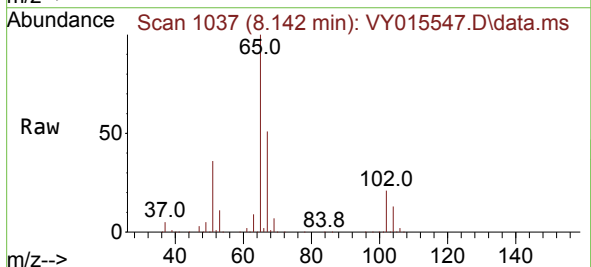


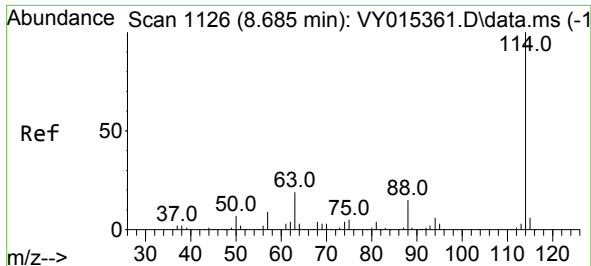
Tgt Ion: 56 Resp: 7340
Ion Ratio Lower Upper
56 100
69 157.4 27.8 41.6#
84 145.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.163 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Tgt Ion: 65 Resp: 226500
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015547.D

Acq: 14 Sep 2023 20:36

Instrument :

MSVOA_Y

ClientSampleId :

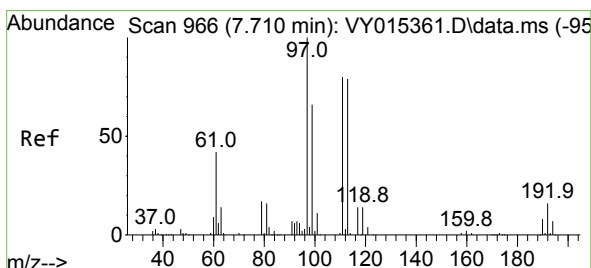
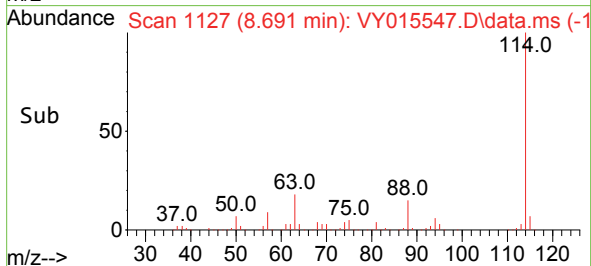
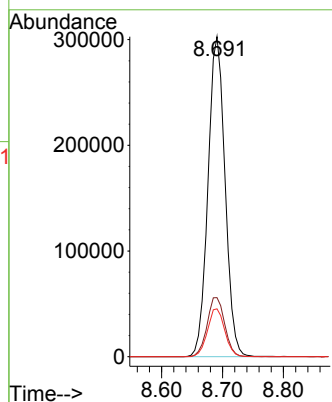
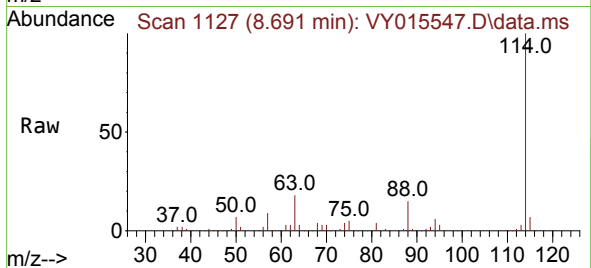
Tgt Ion:114 Resp: 588197

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 25.329 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015547.D

Acq: 14 Sep 2023 20:36

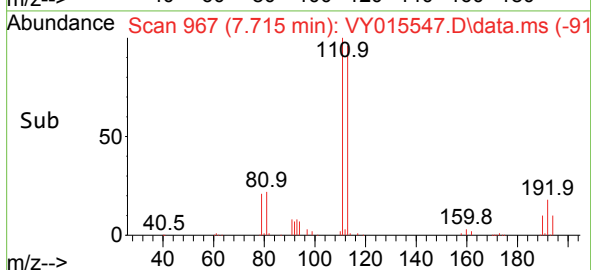
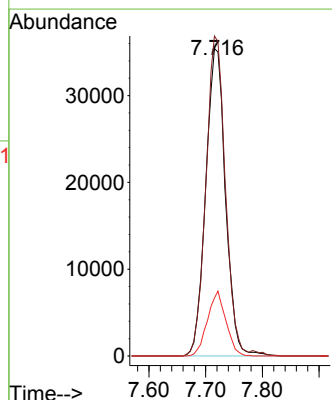
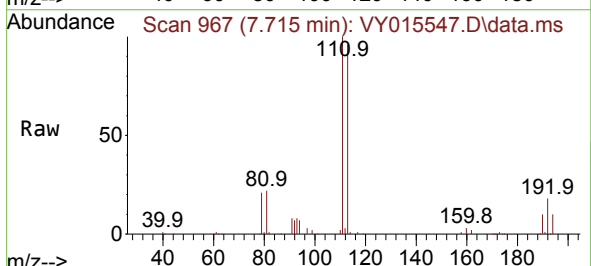
Tgt Ion:113 Resp: 85812

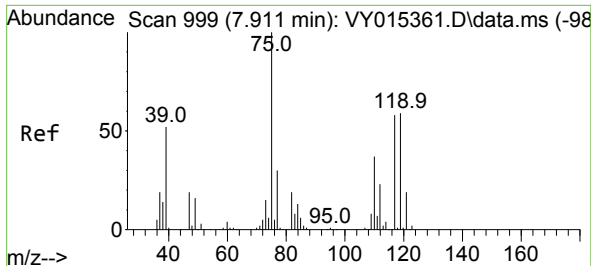
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

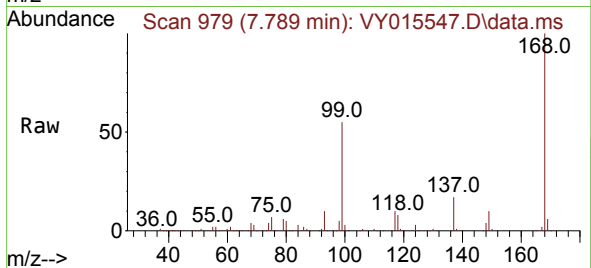
192 19.7 16.9 25.3



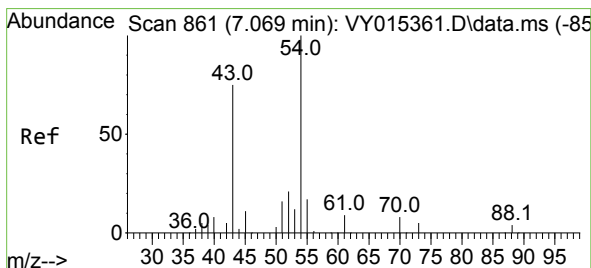
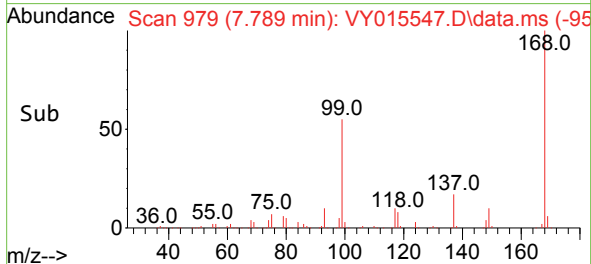
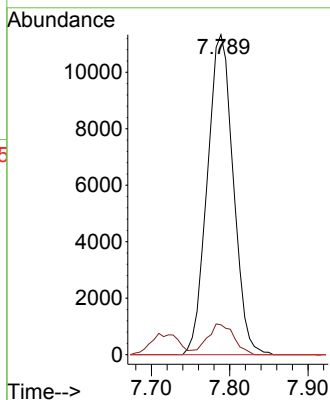


#36
1,1-Dichloropropene
Concen: 4.389 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :

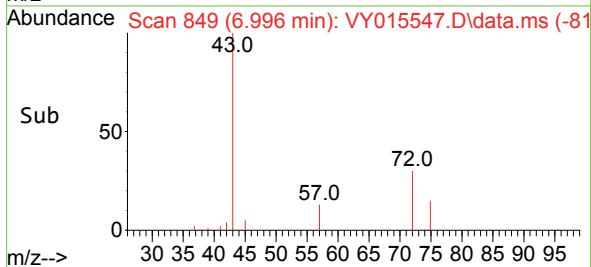
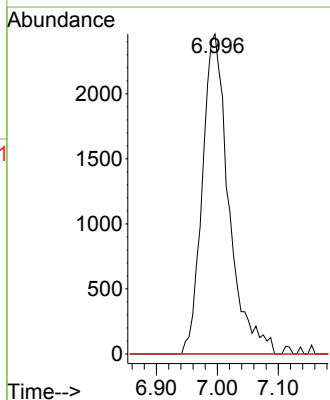
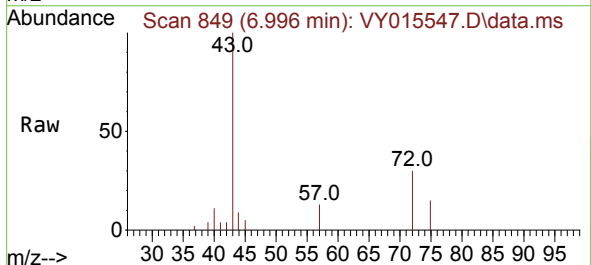


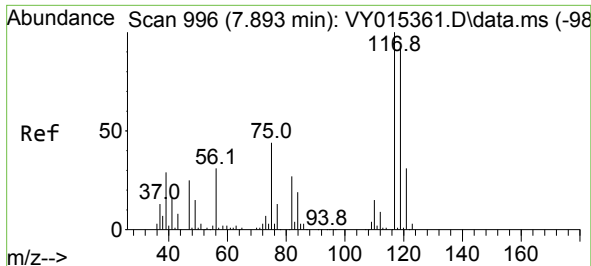
Tgt Ion: 75 Resp: 26111
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.619 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.067 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

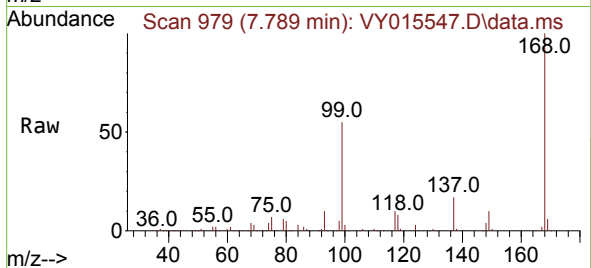
Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



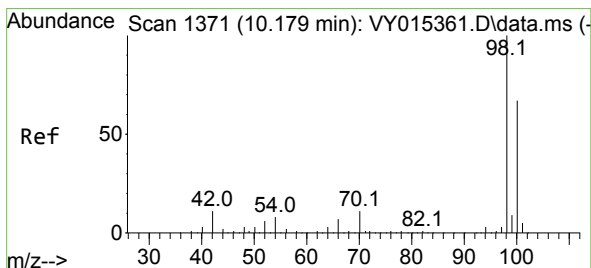
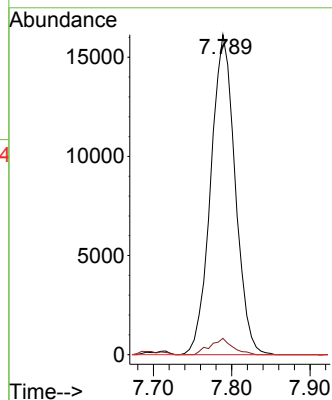
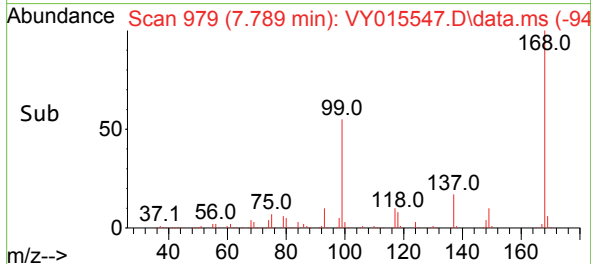


#38
Carbon Tetrachloride
Concen: 5.698 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :

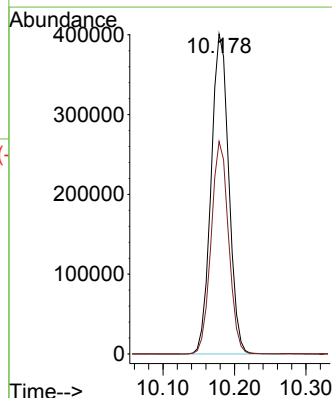
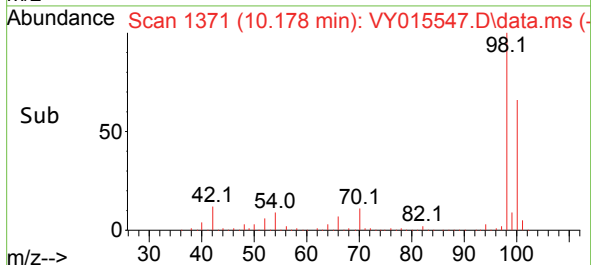
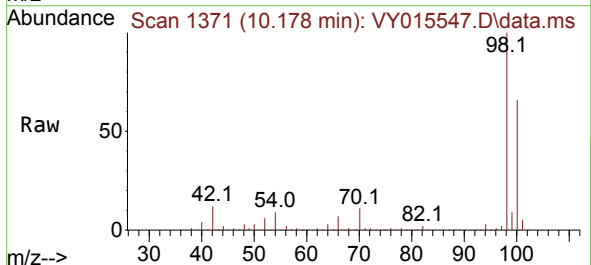


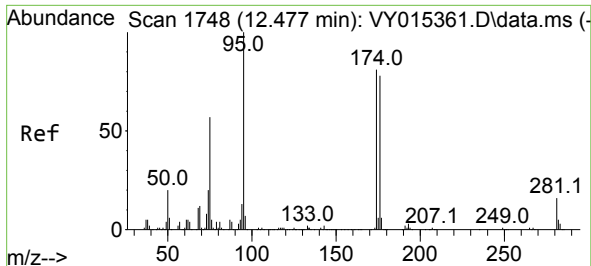
Tgt Ion:117 Resp: 35007
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.072 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Tgt Ion: 98 Resp: 687937
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

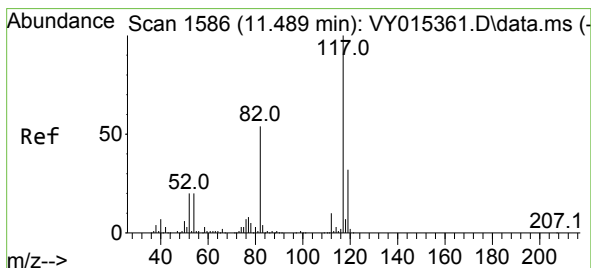
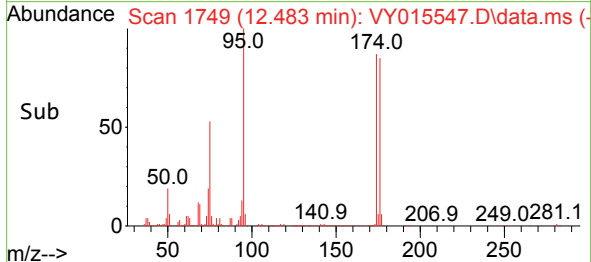
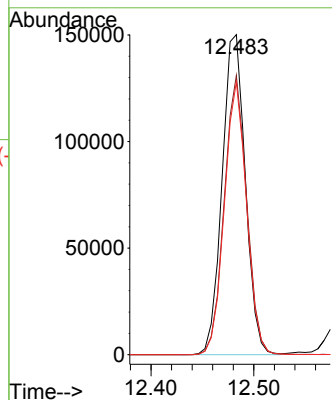
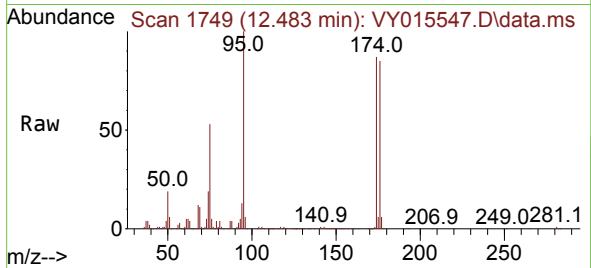




#62
4-Bromofluorobenzene
Concen: 51.680 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

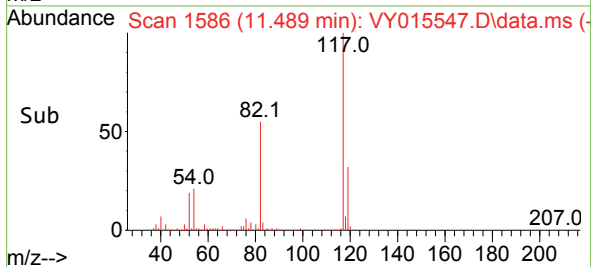
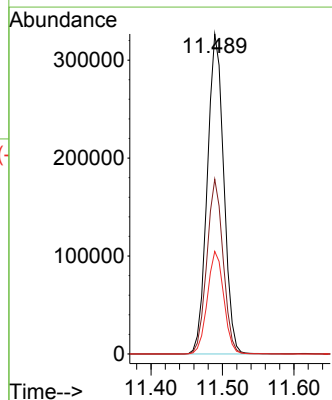
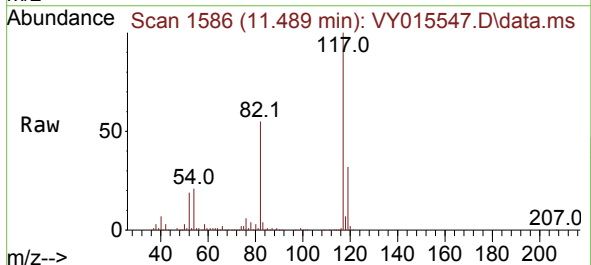
Instrument :
MSVOA_Y
ClientSampleId :

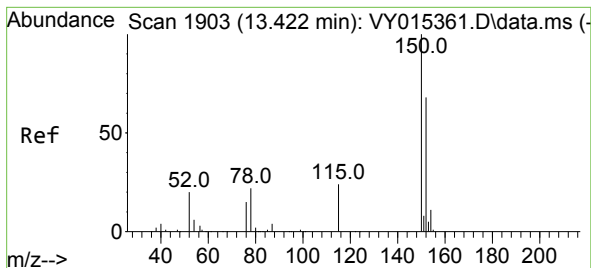
Tgt Ion: 95 Resp: 235385
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Tgt Ion: 117 Resp: 523283
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015547.D

Acq: 14 Sep 2023 20:36

Instrument :

MSVOA_Y

ClientSampleId :

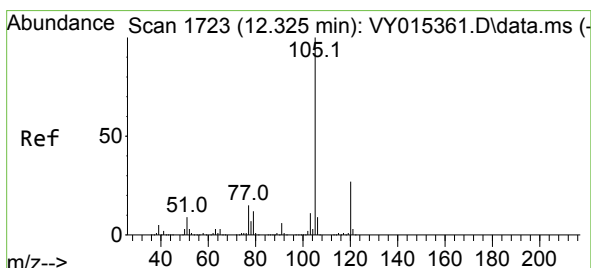
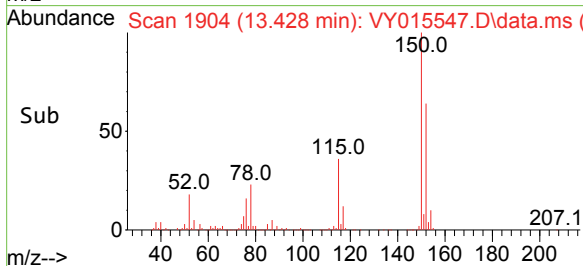
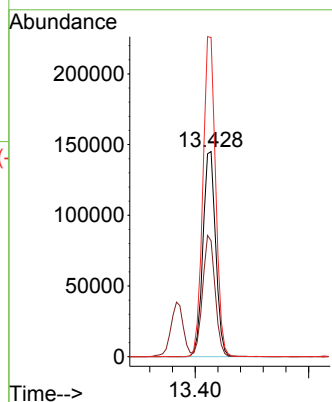
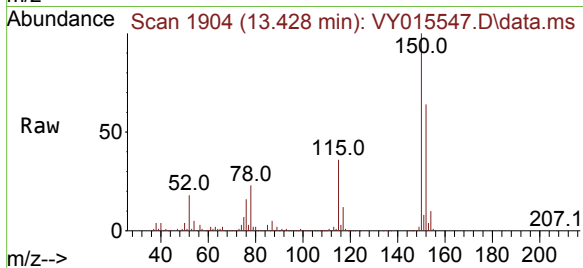
Tgt Ion:152 Resp: 225806

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 155.9 0.0 348.8



#73

Isopropylbenzene

Concen: 43.829 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.012 min

Lab File: VY015547.D

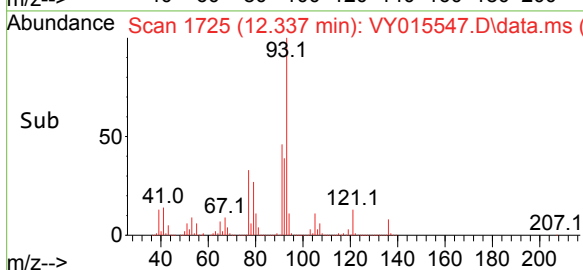
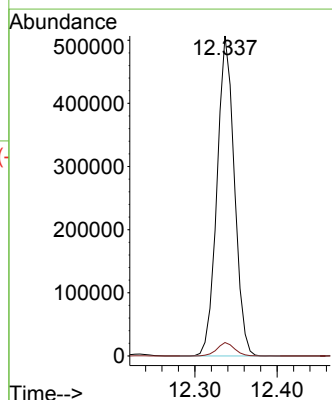
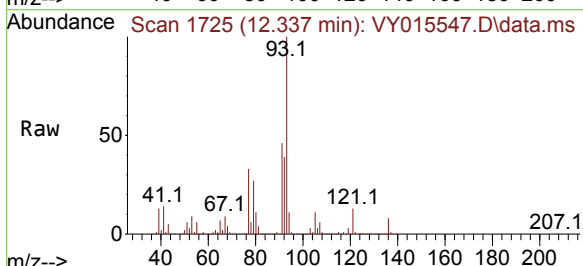
Acq: 14 Sep 2023 20:36

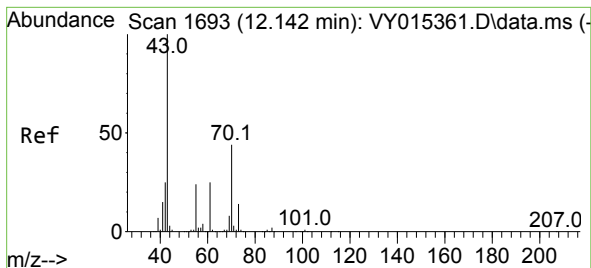
Tgt Ion:105 Resp: 743387

Ion Ratio Lower Upper

105 100

120 4.3 13.3 39.9#





#74

N-amy1 acetate

Concen: 57.317 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.195 min

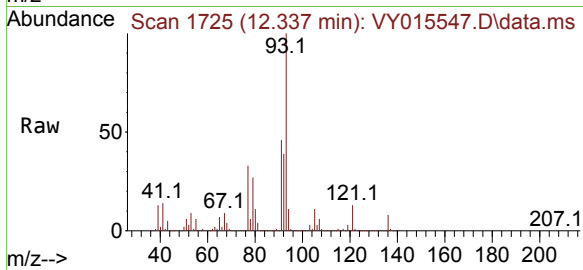
Lab File: VY015547.D

Acq: 14 Sep 2023 20:36

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 326609

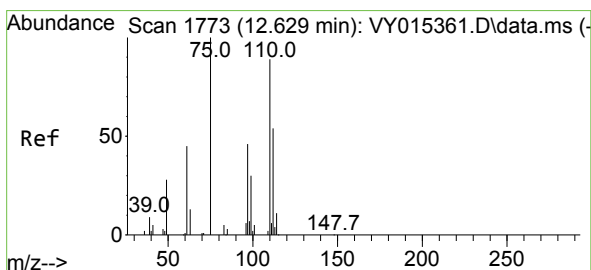
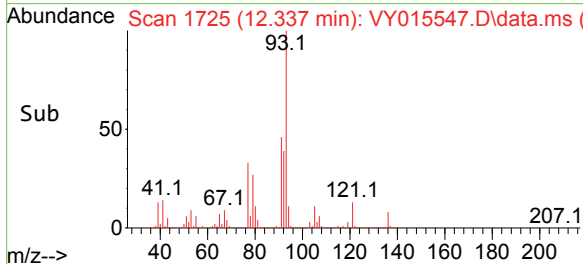
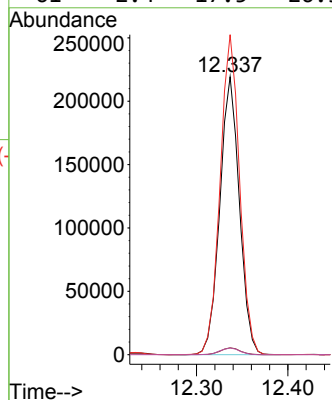
Ion Ratio Lower Upper

43 100

70 2.5 29.7 44.5#

55 114.6 18.3 27.5#

61 2.4 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 41.828 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY015547.D

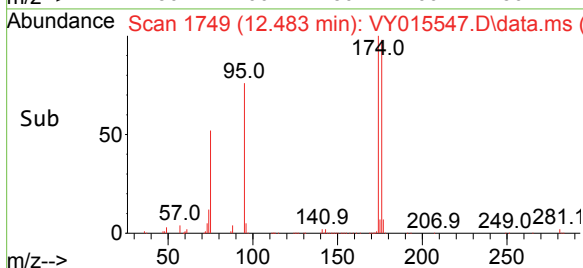
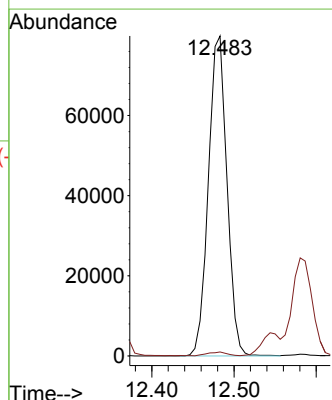
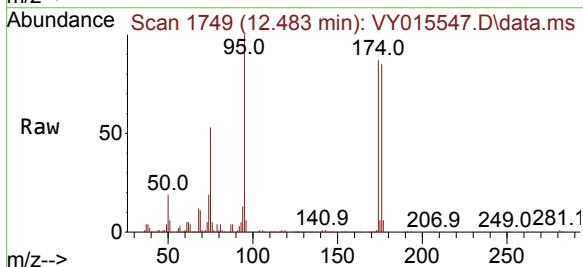
Acq: 14 Sep 2023 20:36

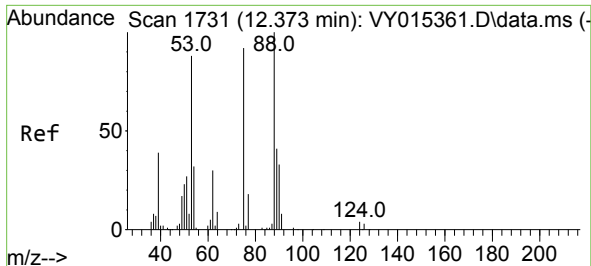
Tgt Ion: 75 Resp: 125252

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

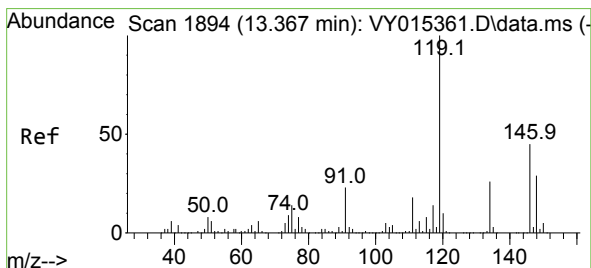
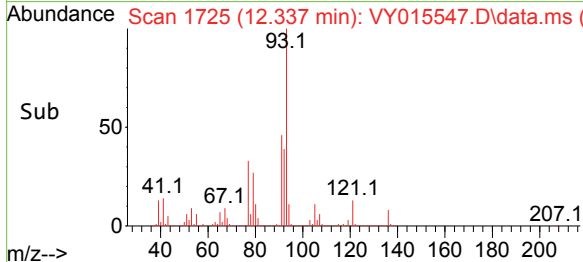
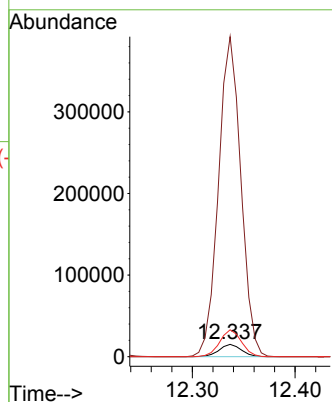
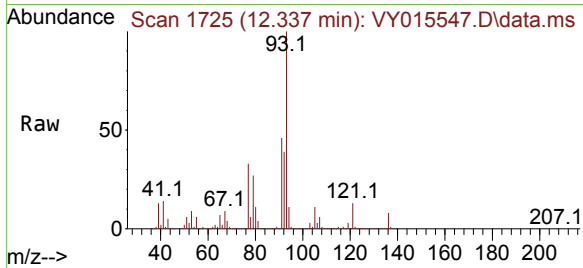




#81
trans-1,4-Dichloro-2-butene
Concen: 16.584 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. -0.043 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22512
Ion Ratio Lower Upper
75 100
53 2636.2 77.8 116.8#
89 216.0 37.4 56.0#



#86
p-Isopropyltoluene
Concen: 48.782 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY015547.D
Acq: 14 Sep 2023 20:36

Tgt Ion: 119 Resp: 757743
Ion Ratio Lower Upper
119 100
134 26.6 13.3 39.8
91 26.7 12.4 37.4

