

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013025.D
 Acq On : 21 Mar 2023 14:25
 Operator : KP/MD
 Sample : 02020-11
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-2

Quant Time: Mar 22 04:20:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

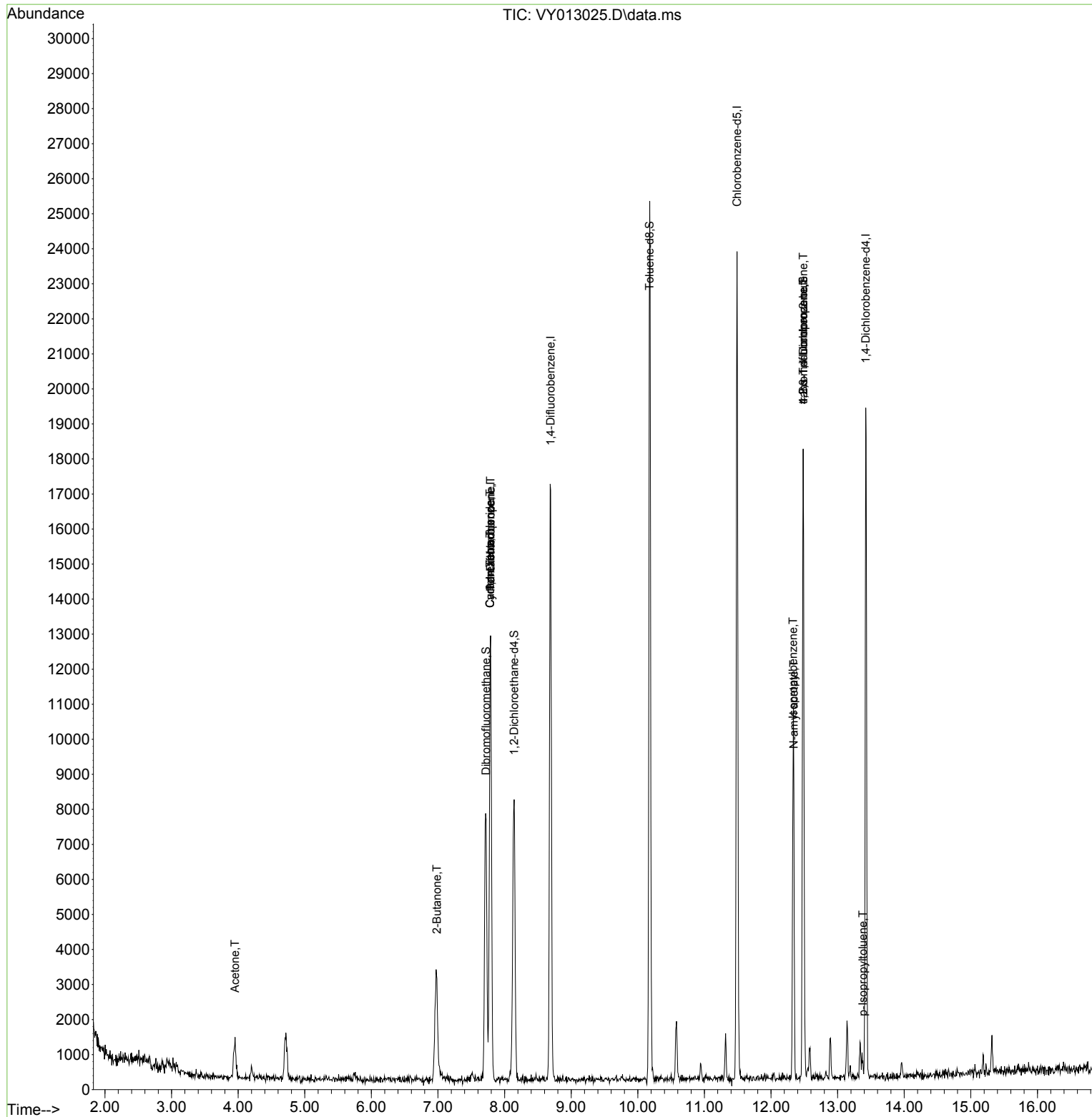
Internal Standards						
1) Pentafluorobenzene	7.789	168	9821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	14353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	13202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	6496	66.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.240%	
35) Dibromofluoromethane	7.722	113	5755	66.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.880%	
50) Toluene-d8	10.179	98	16970	53.590	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.180%	
62) 4-Bromofluorobenzene	12.483	95	4789	44.806	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.620%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	1886	49.277	ug/l	98
20) Methylene Chloride	4.704	84	436	Below Cal		92
25) 2-Butanone	6.984	43	61	1.287	ug/l #	49
31) Cyclohexane	7.783	56	229	1.226	ug/l #	41
36) 1,1-Dichloropropene	7.789	75	926	6.379	ug/l #	41
38) Carbon Tetrachloride	7.783	117	1040	6.938	ug/l #	12
73) Isopropylbenzene	12.331	105	442	1.246	ug/l #	48
74) N-amyl acetate	12.343	43	206	1.845	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	2547	42.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2547	88.282	ug/l #	13
86) p-Isopropyltoluene	13.379	119	560	1.777	ug/l	90

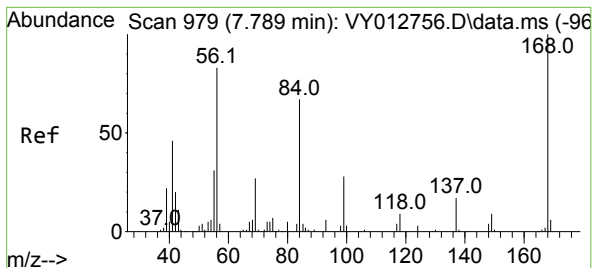
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
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Quant Time: Mar 22 04:20:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

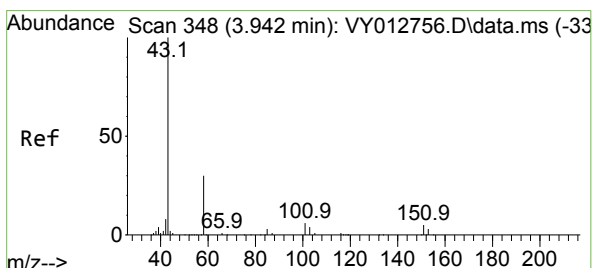
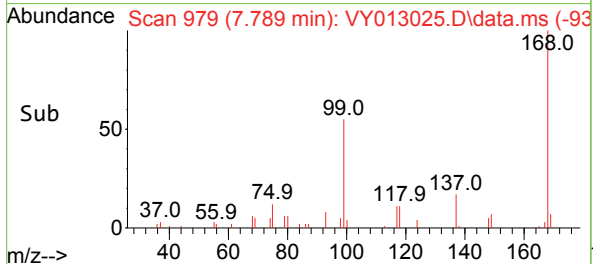
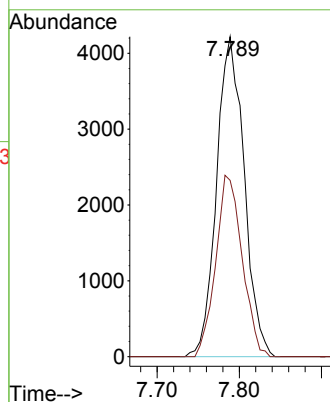
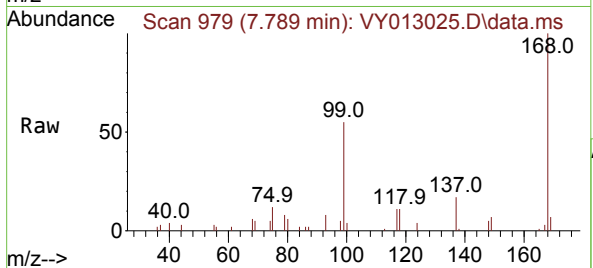
SP-2

Tgt Ion:168 Resp: 9821

Ion Ratio Lower Upper

168 100

99 55.1 41.7 62.5



#16

Acetone

Concen: 49.277 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY013025.D

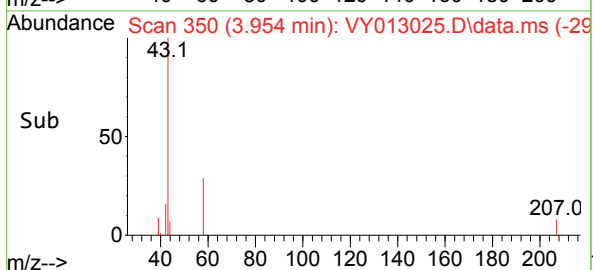
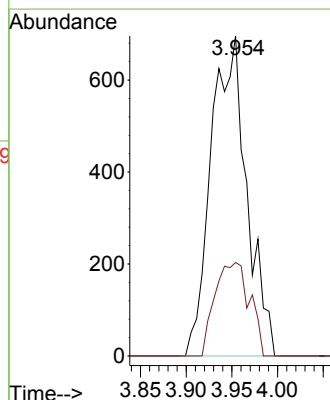
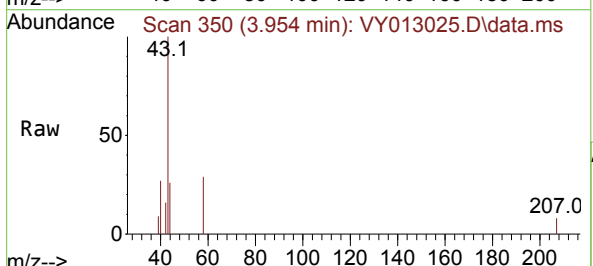
Acq: 21 Mar 2023 14:25

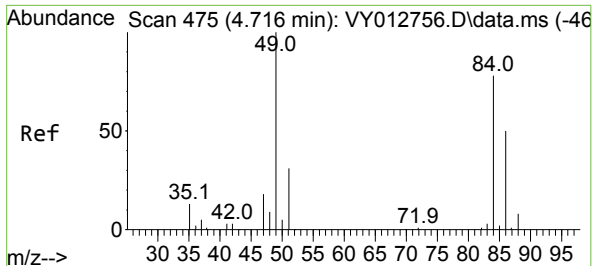
Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

43 100

58 29.2 24.2 36.2





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

SP-2

Tgt Ion: 84 Resp: 436

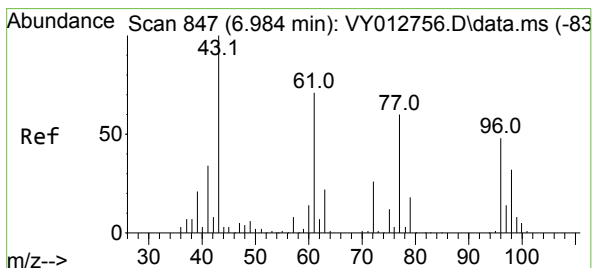
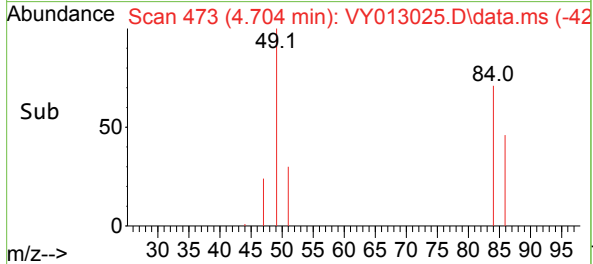
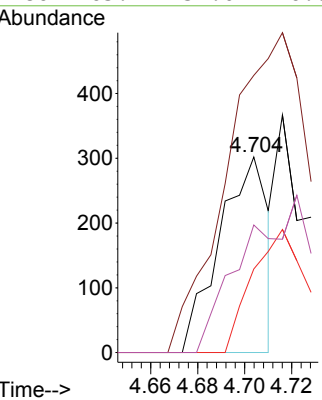
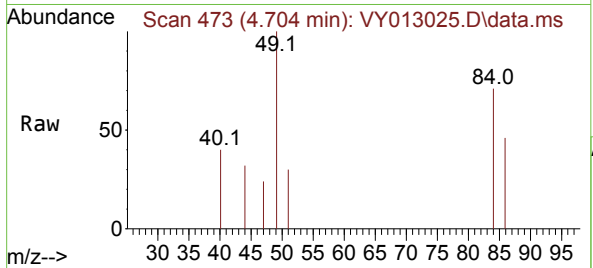
Ion Ratio Lower Upper

84 100

49 141.7 102.6 154.0

51 42.7 31.9 47.9

86 65.2 51.0 76.6



#25

2-Butanone

Concen: 1.287 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013025.D

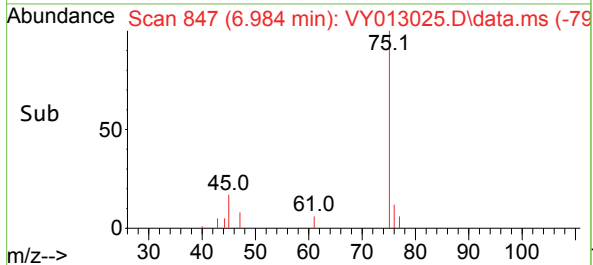
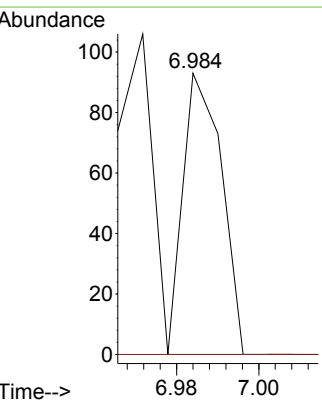
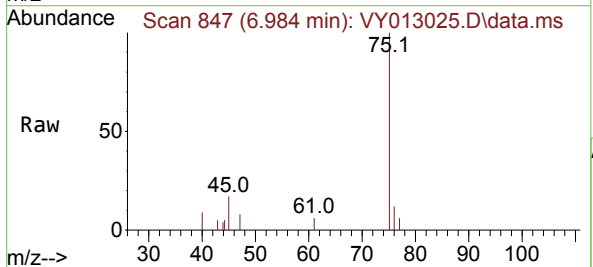
Acq: 21 Mar 2023 14:25

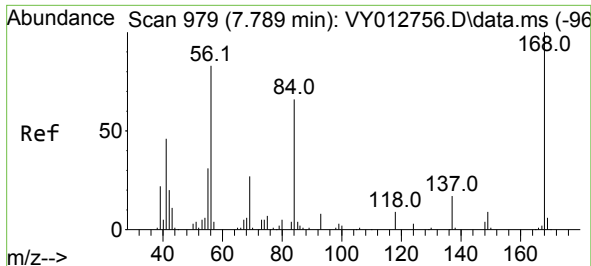
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

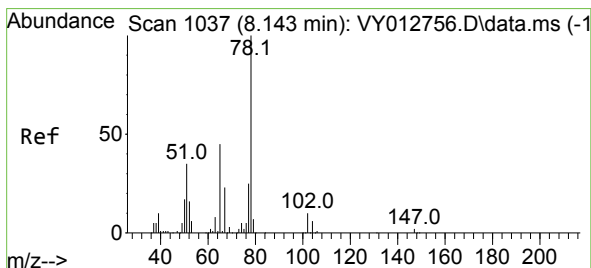
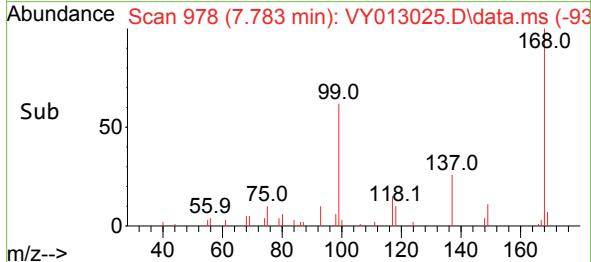
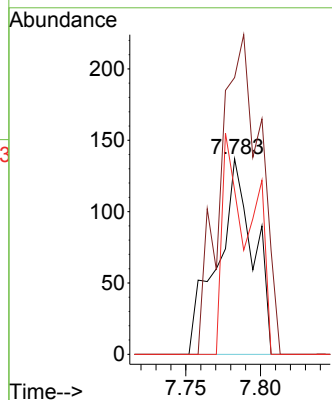
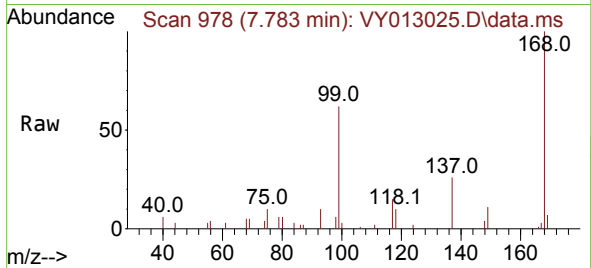




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

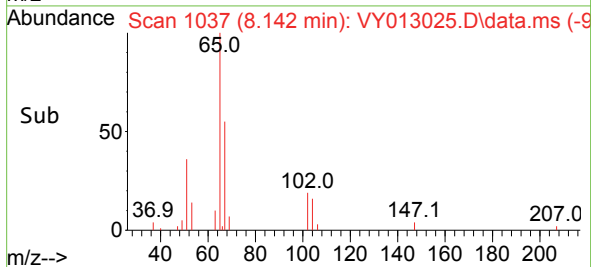
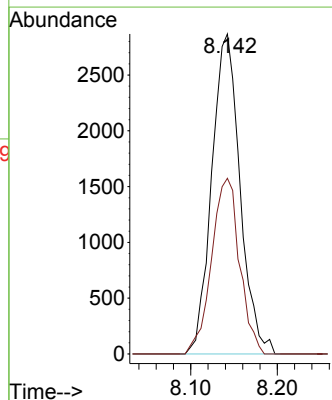
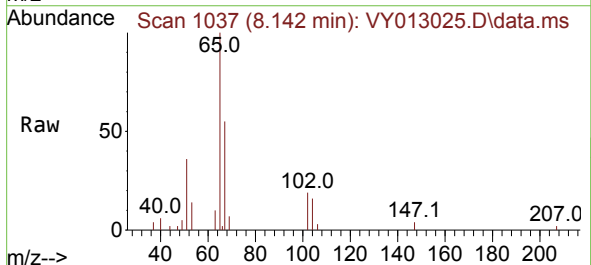
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

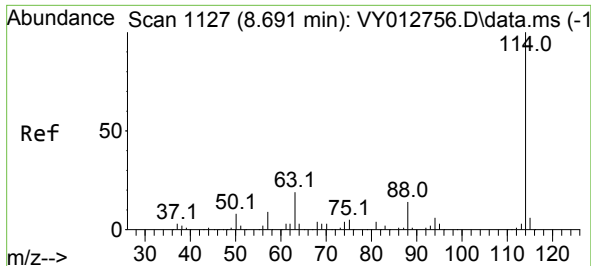
Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
69 141.6 25.7 38.5#
84 83.9 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 66.619 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

Tgt Ion: 65 Resp: 6496
Ion Ratio Lower Upper
65 100
67 54.3 0.0 104.0

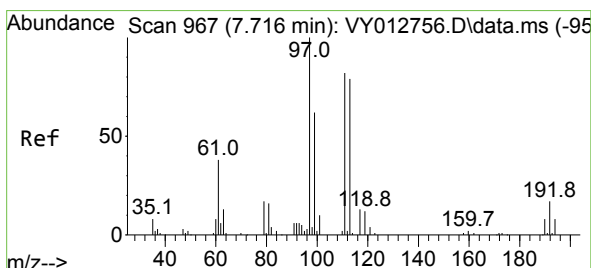
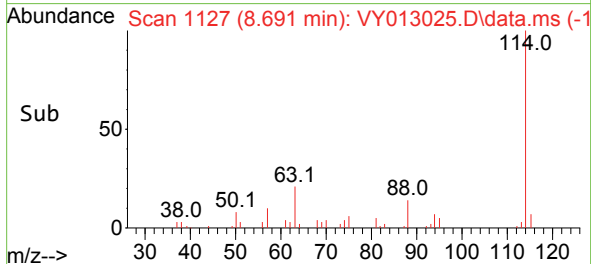
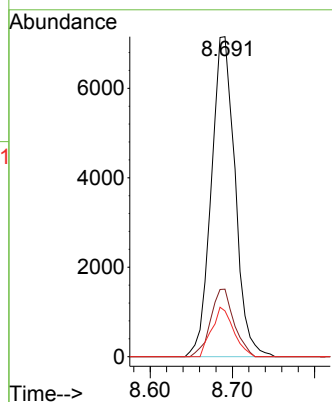
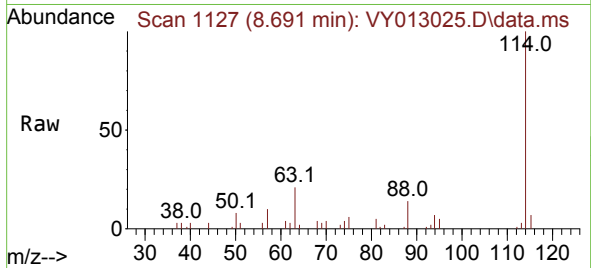




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

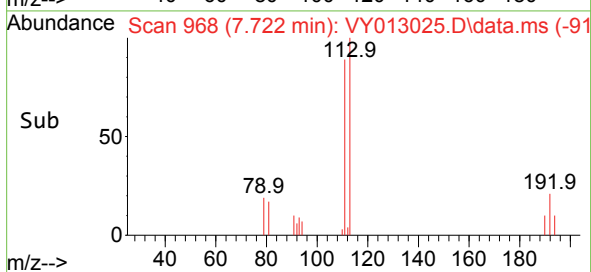
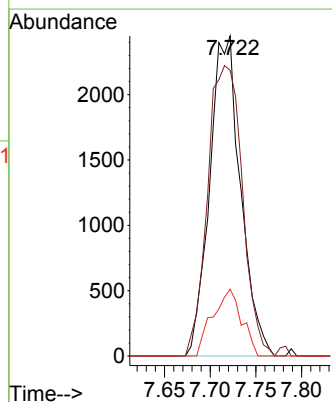
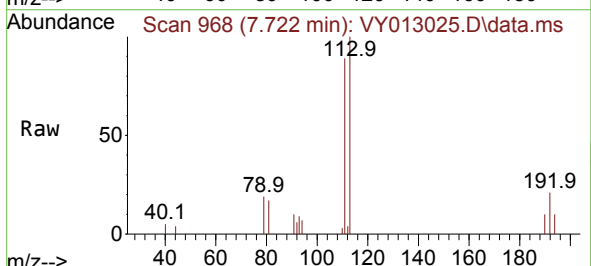
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

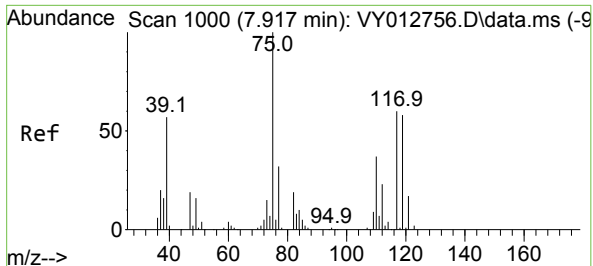
Tgt Ion:114 Resp: 14353
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 14.3 0.0 28.6



#35
Dibromofluoromethane
Concen: 66.440 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

Tgt Ion:113 Resp: 5755
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 19.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 6.379 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

SP-2

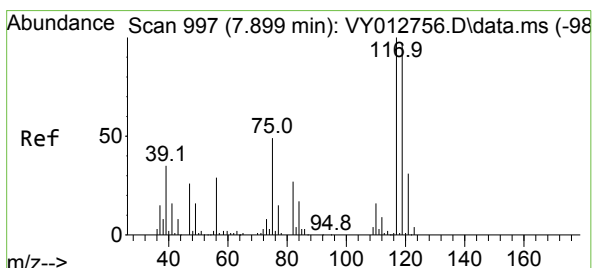
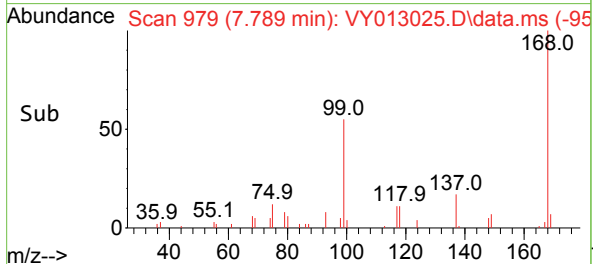
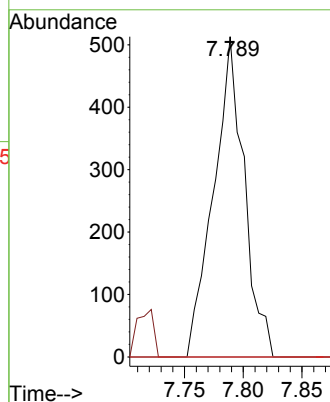
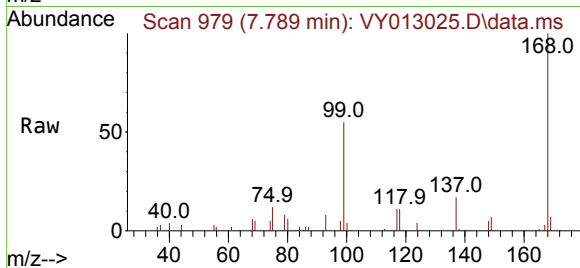
Tgt Ion: 75 Resp: 926

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.938 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

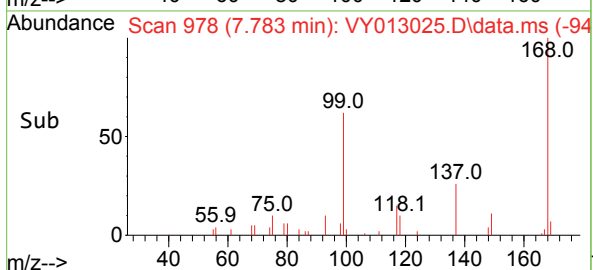
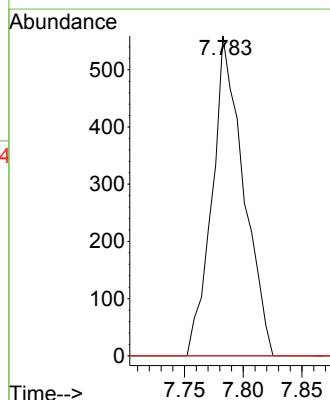
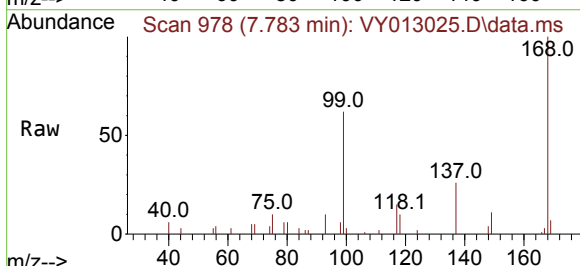
Tgt Ion: 117 Resp: 1040

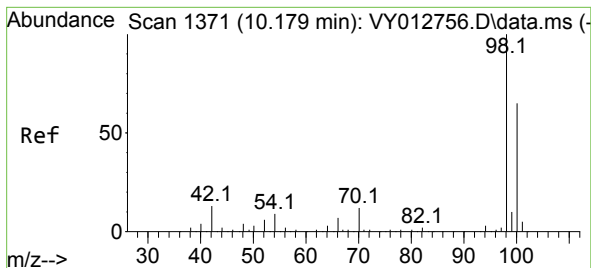
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#

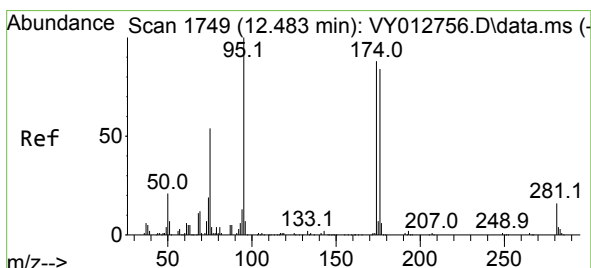
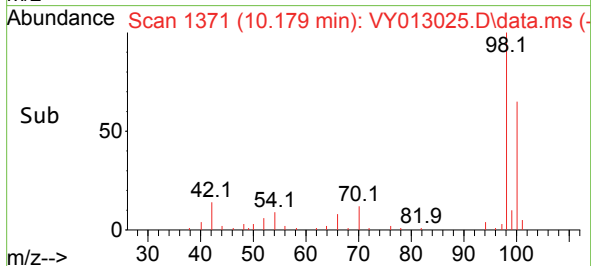
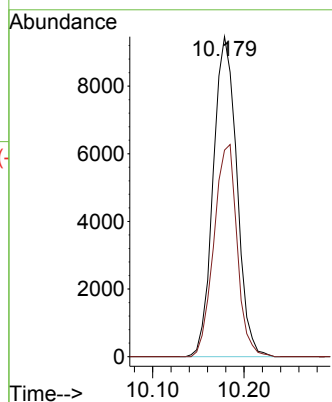
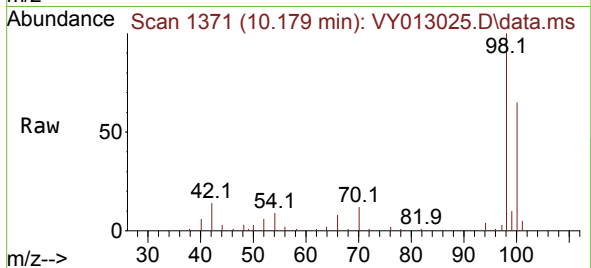




#50
Toluene-d8
Concen: 53.590 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

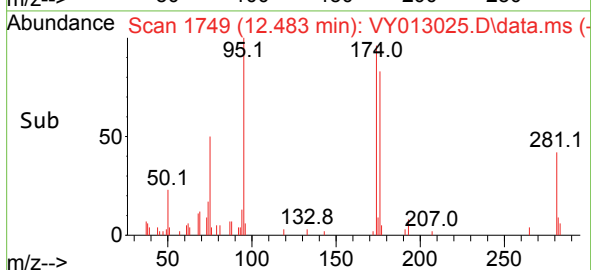
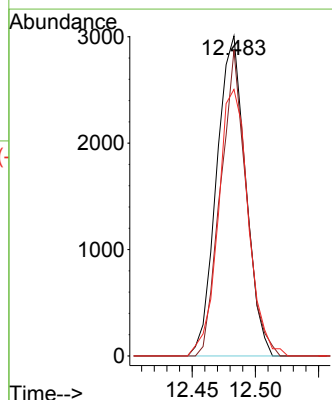
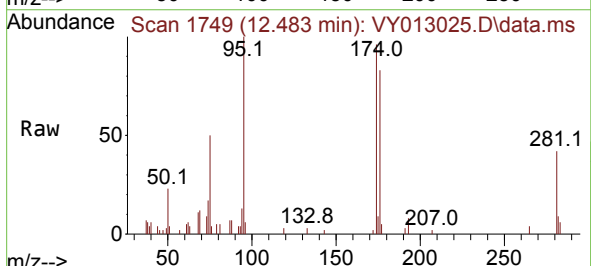
Instrument :
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ClientSampleId :
SP-2

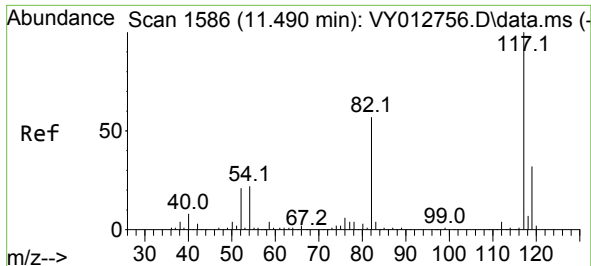
Tgt Ion: 98 Resp: 16970
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.806 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

Tgt Ion: 95 Resp: 4789
Ion Ratio Lower Upper
95 100
174 85.0 0.0 176.6
176 86.3 0.0 170.2

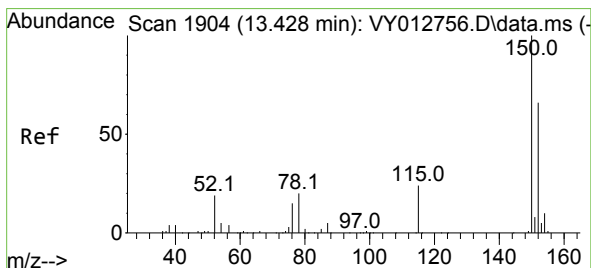
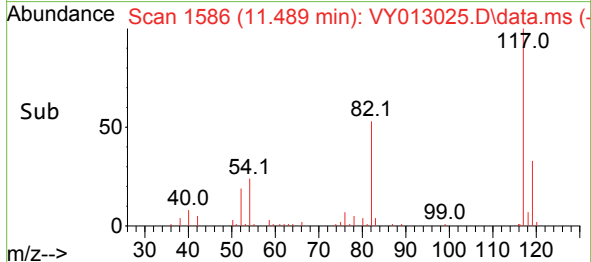
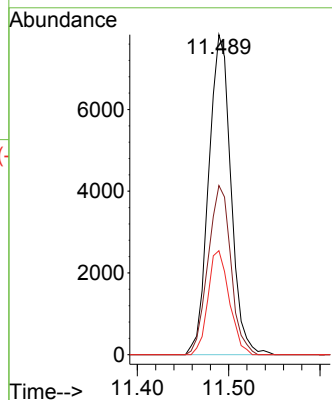
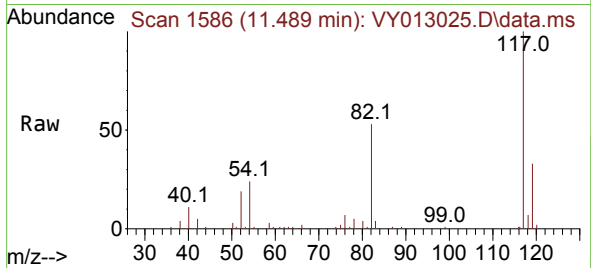




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

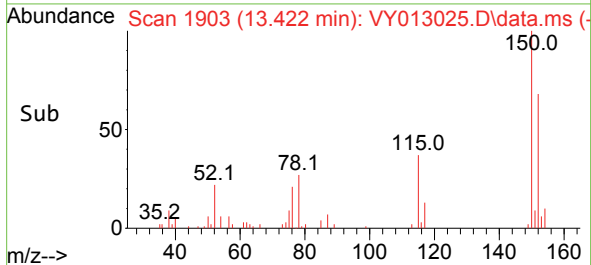
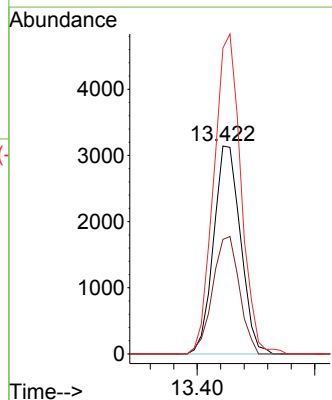
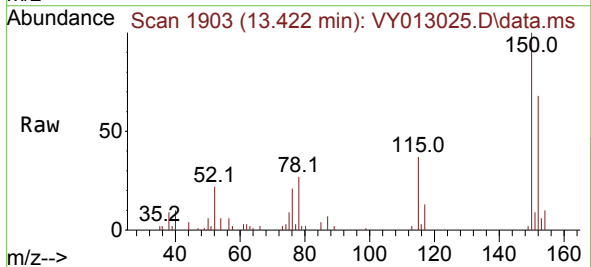
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

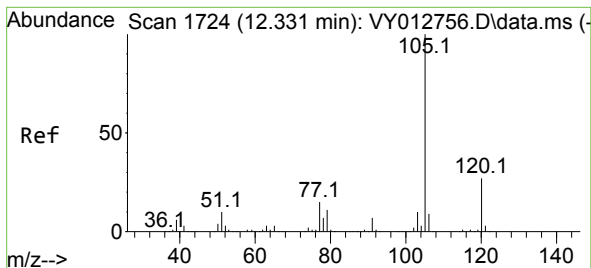
Tgt Ion:117 Resp: 13202
Ion Ratio Lower Upper
117 100
82 52.9 45.4 68.0
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013025.D
Acq: 21 Mar 2023 14:25

Tgt Ion:152 Resp: 5006
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 154.8 0.0 347.8





#73

Isopropylbenzene

Concen: 1.246 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

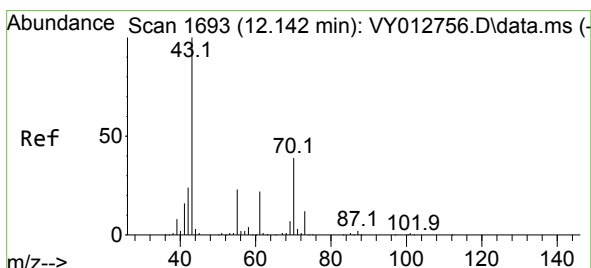
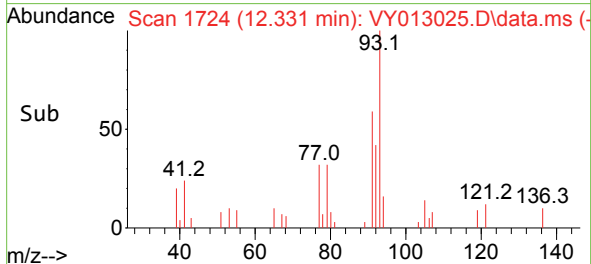
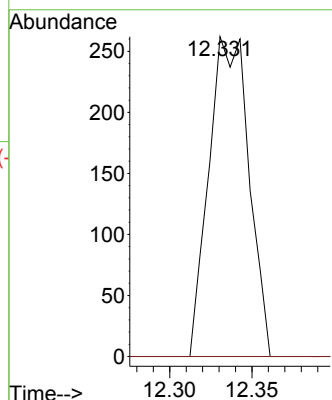
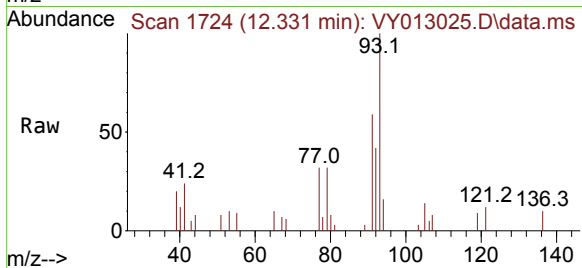
SP-2

Tgt Ion:105 Resp: 442

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#74

N-ethyl acetate

Concen: 1.845 ug/l

RT: 12.343 min Scan# 1726

Delta R.T. 0.201 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

Tgt Ion: 43 Resp: 206

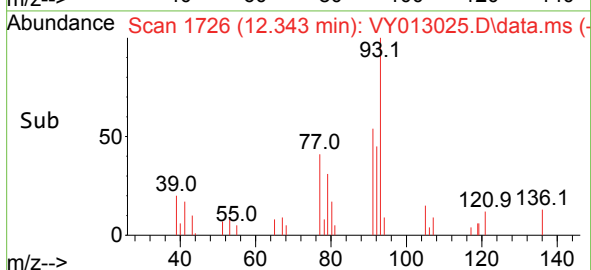
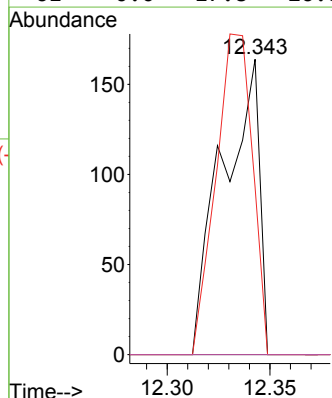
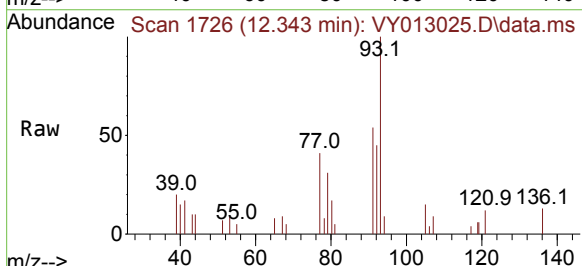
Ion Ratio Lower Upper

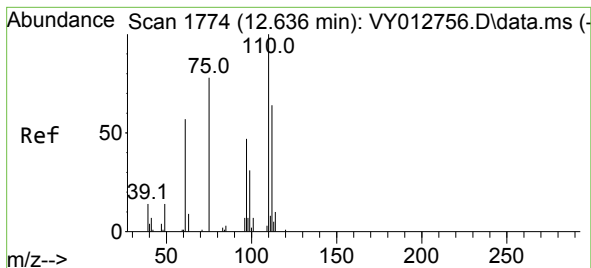
43 100

70 0.0 31.6 47.4#

55 107.3 18.8 28.2#

61 0.0 17.8 26.8#





#76

1,2,3-Trichloropropane

Concen: 42.606 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

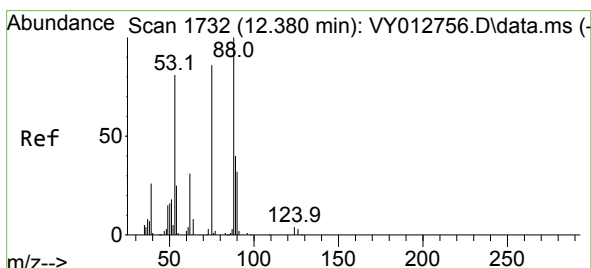
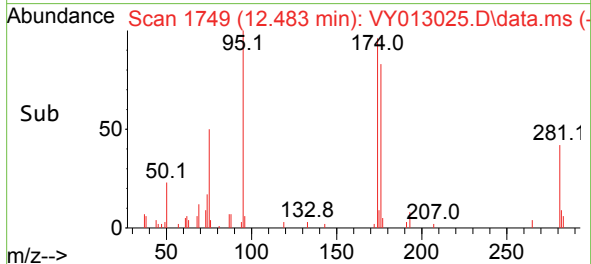
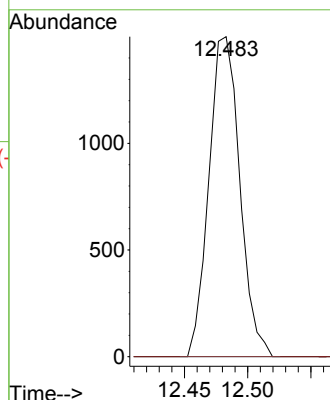
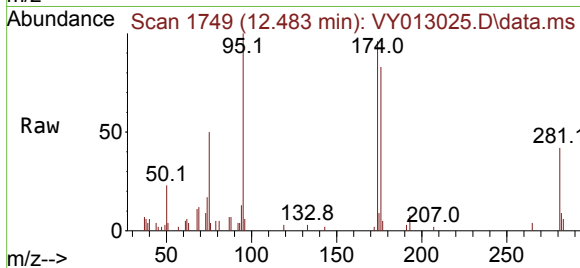
SP-2

Tgt Ion: 75 Resp: 2547

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 88.282 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY013025.D

Acq: 21 Mar 2023 14:25

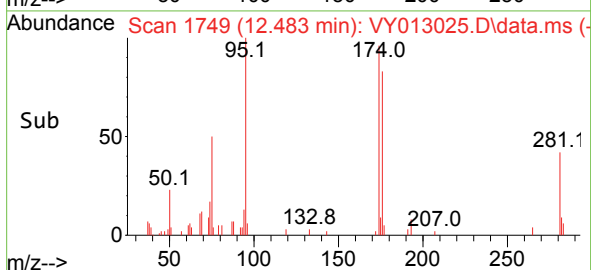
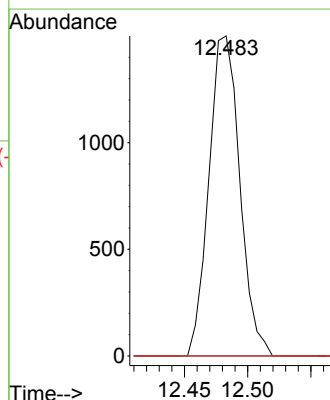
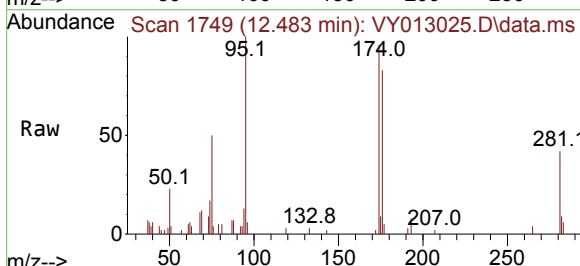
Tgt Ion: 75 Resp: 2547

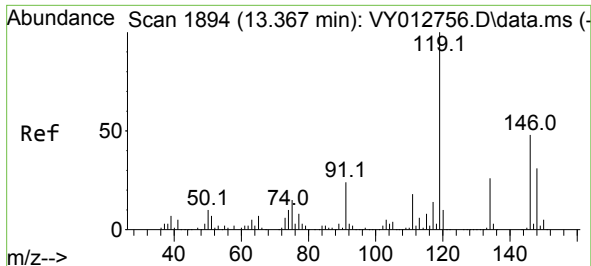
Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.0#

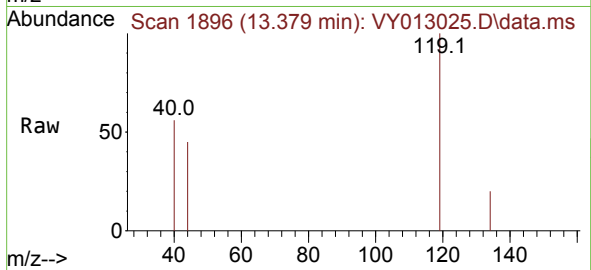
89 0.0 36.6 55.0#





#86
 p-Isopropyltoluene
 Concen: 1.777 ug/l
 RT: 13.379 min Scan# 119
 Delta R.T. 0.012 min
 Lab File: VY013025.D
 Acq: 21 Mar 2023 14:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-2



Tgt Ion:	119	Resp:	560
Ion	Ratio	Lower	Upper
119	100		
134	16.8	13.2	39.6
91	24.1	11.8	35.3

