

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013557.D
 Acq On : 02 May 2023 15:23
 Operator : KP/MD
 Sample : 02572-03RE
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2343

Quant Time: May 03 01:33:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

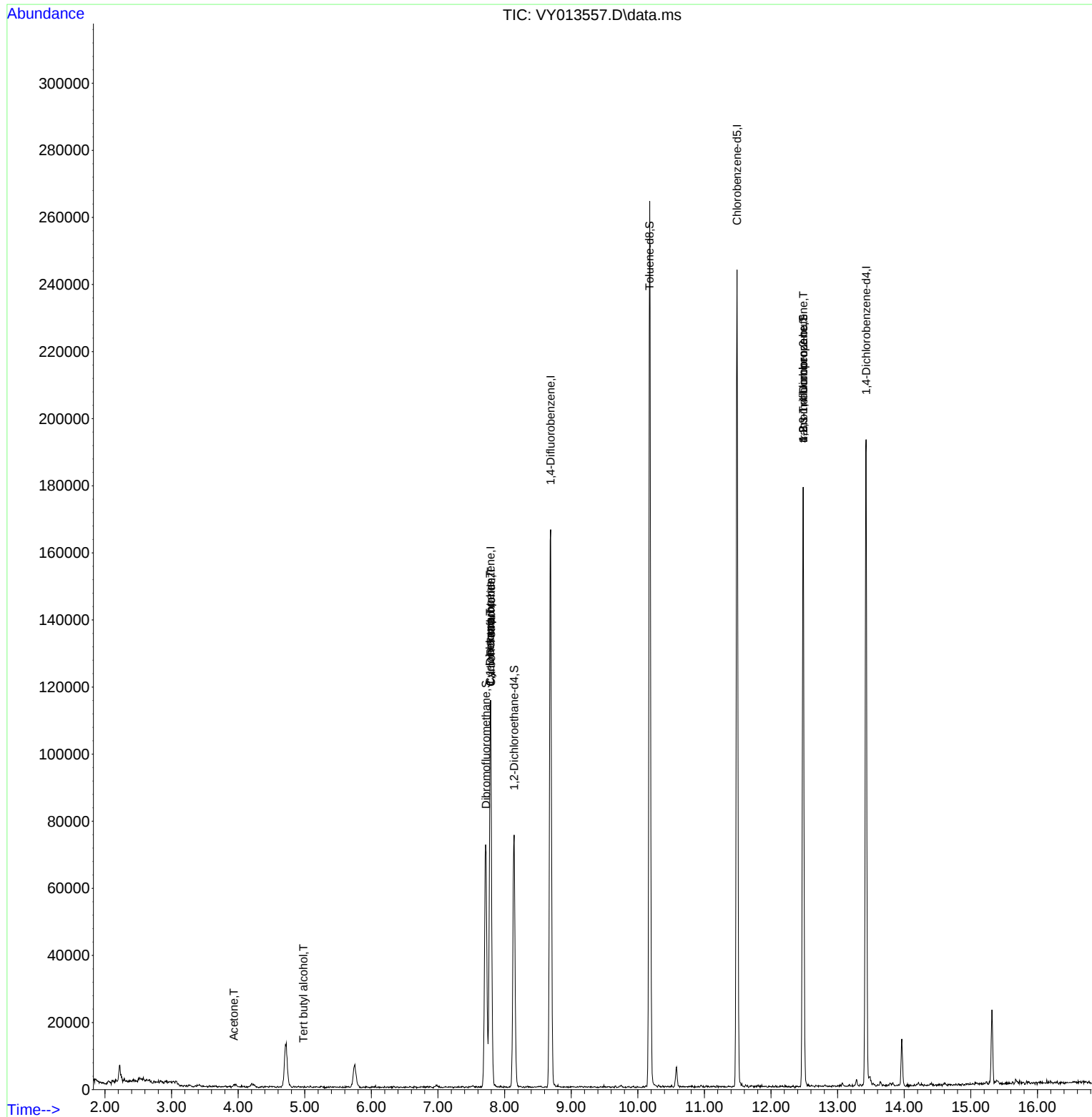
Internal Standards						
1) Pentafluorobenzene	7.789	168	89269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	141436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	129656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	52912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	60562	61.887	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.780%	
35) Dibromofluoromethane	7.722	113	51164	57.516	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.040%	
50) Toluene-d8	10.178	98	171603	54.227	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.460%	
62) 4-Bromofluorobenzene	12.483	95	48866	45.804	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	44	1.048	ug/l #	89
13) Acrolein	3.637	56	20	Below Cal	#	16
16) Acetone	3.936	43	737	1.912	ug/l	96
20) Methylene Chloride	4.710	84	9103	Below Cal		93
31) Cyclohexane	7.783	56	2019	1.152	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	7216	4.888	ug/l #	48
38) Carbon Tetrachloride	7.795	117	8861	5.726	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	25824	36.189	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25824	74.027	ug/l #	13

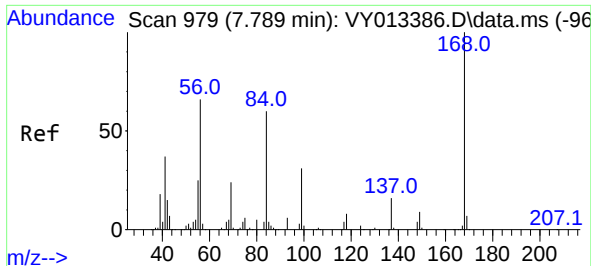
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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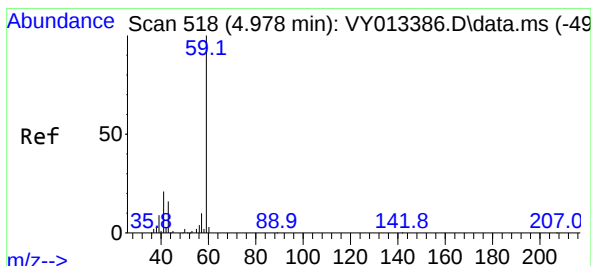
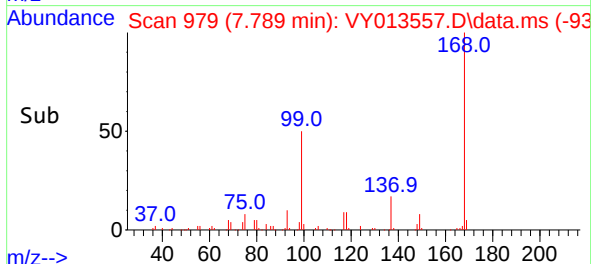
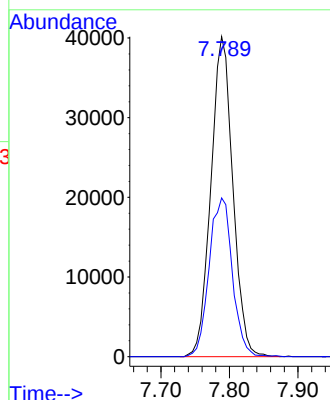
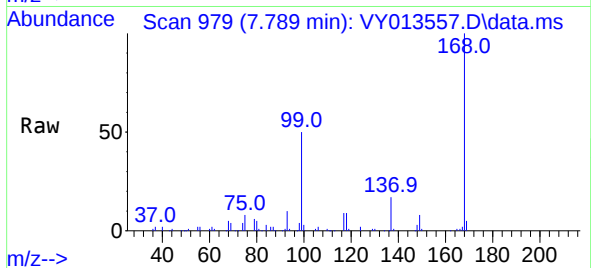




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

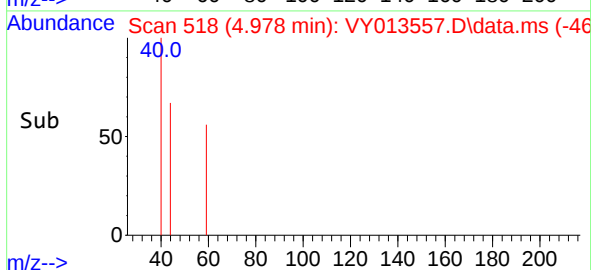
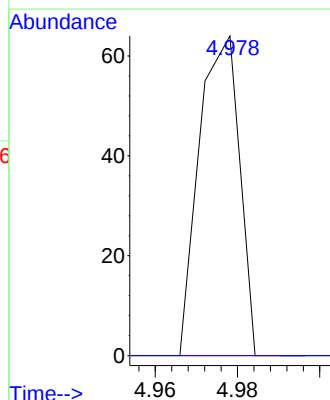
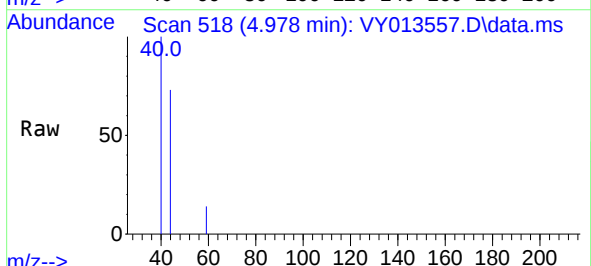
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

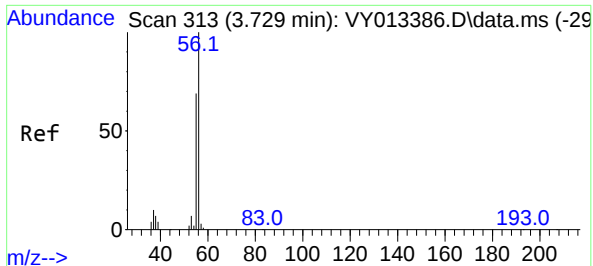
Tgt Ion:168 Resp: 89269
Ion Ratio Lower Upper
168 100
99 49.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.048 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

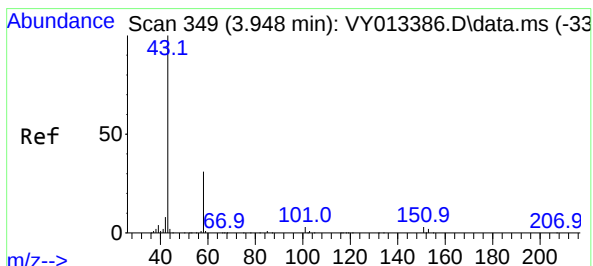
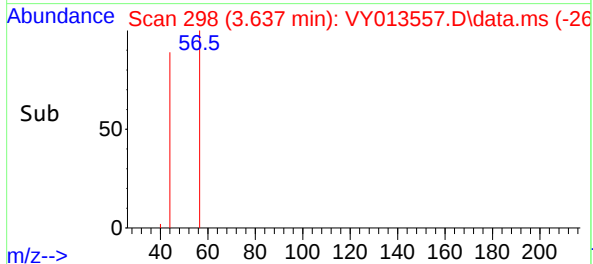
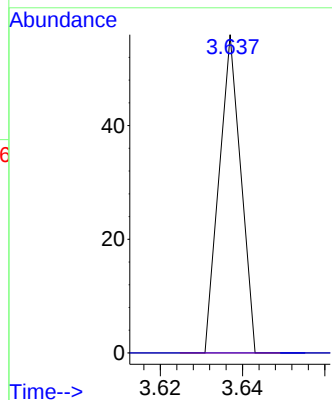
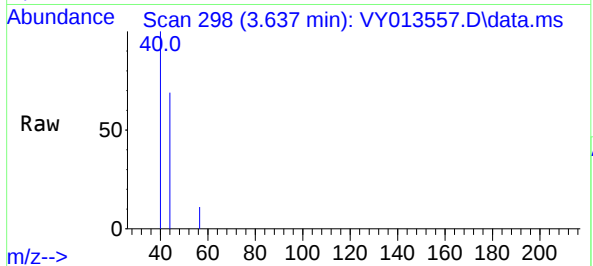




#13
Acrolein
Concen: Below Cal
RT: 3.637 min Scan# 24
Delta R.T. -0.092 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

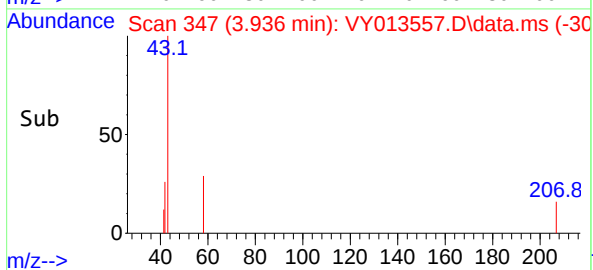
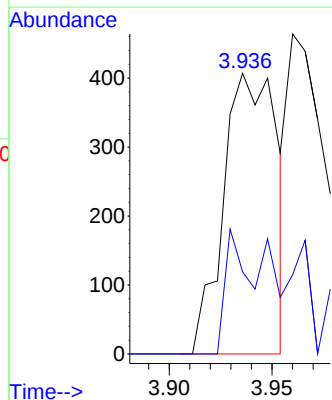
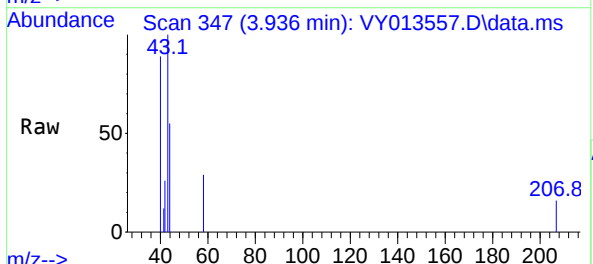
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

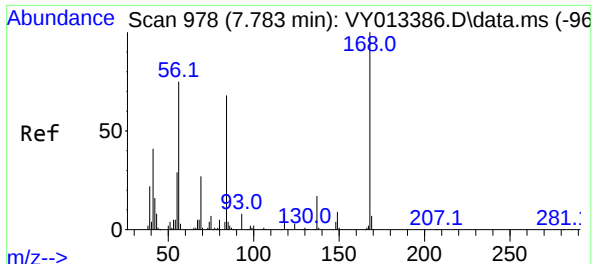
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 1.912 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 29.2 25.4 38.0

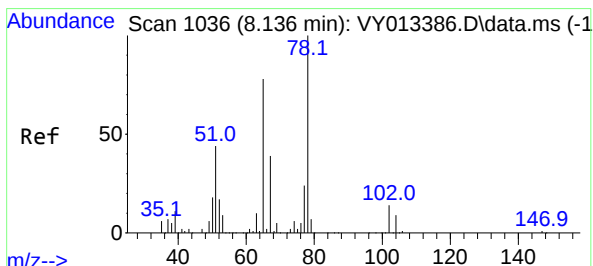
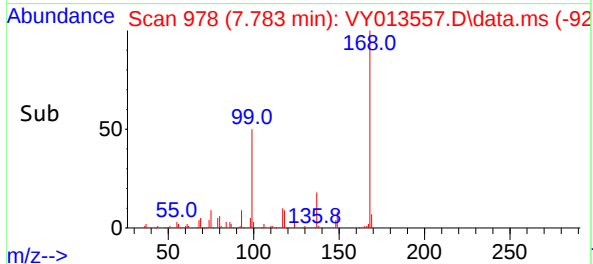
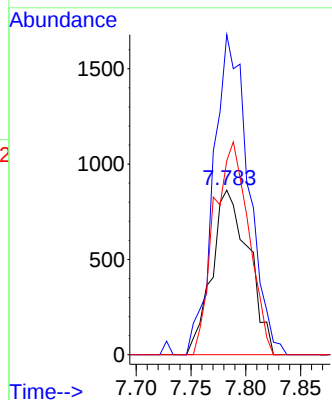
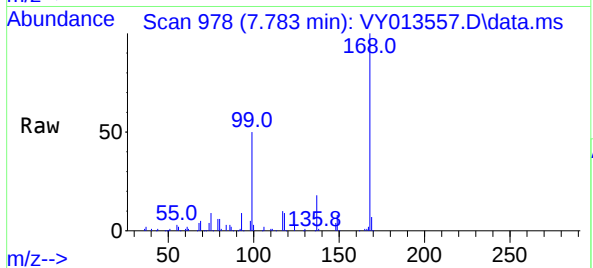




#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

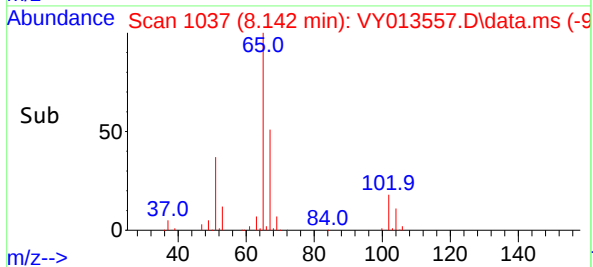
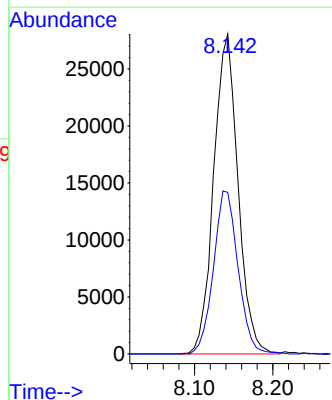
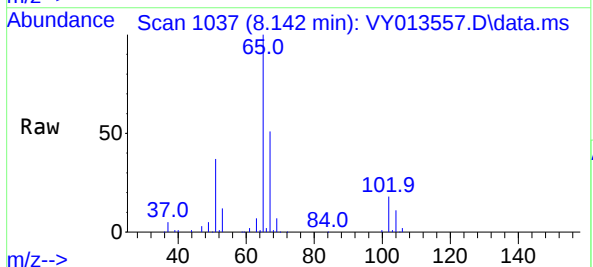
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

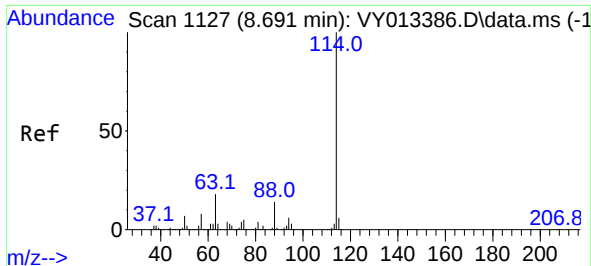
Tgt Ion: 56 Resp: 2019
Ion Ratio Lower Upper
56 100
69 194.6 29.2 43.8#
84 118.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 61.887 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Tgt Ion: 65 Resp: 60562
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013557.D

Acq: 02 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

RT2343

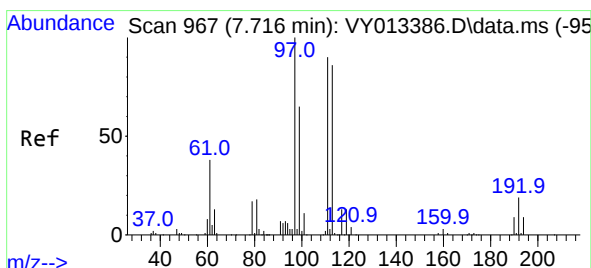
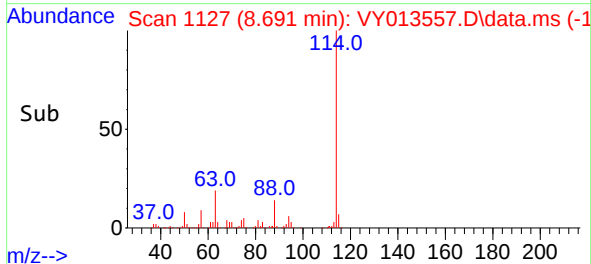
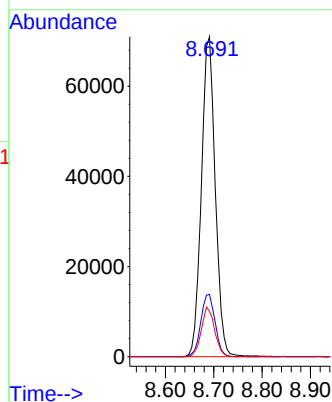
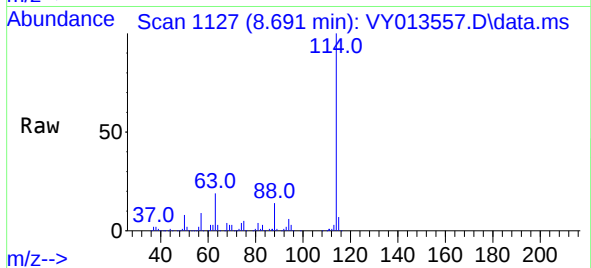
Tgt Ion:114 Resp: 141436

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.6

88 14.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 57.516 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013557.D

Acq: 02 May 2023 15:23

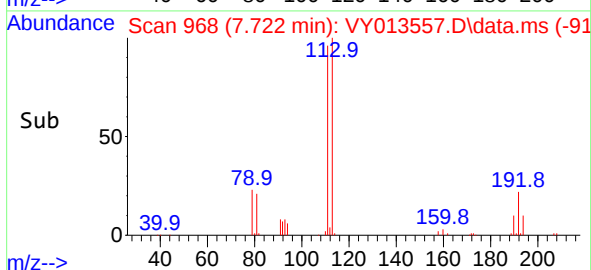
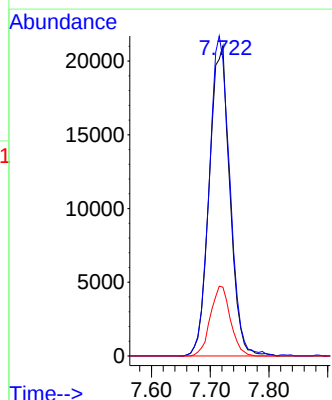
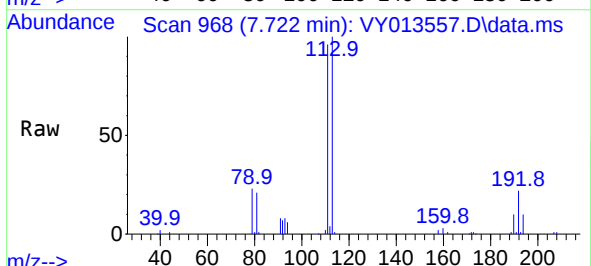
Tgt Ion:113 Resp: 51164

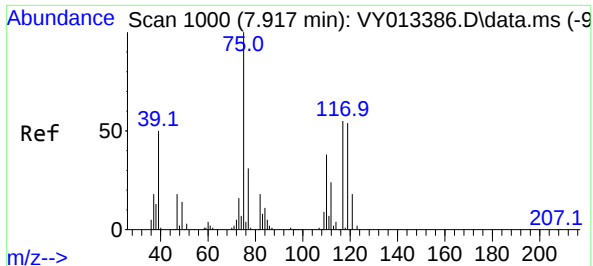
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

192 21.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013557.D

Acq: 02 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

RT2343

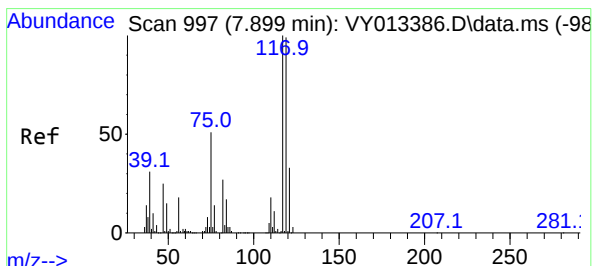
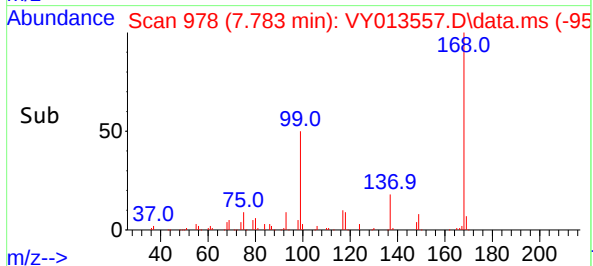
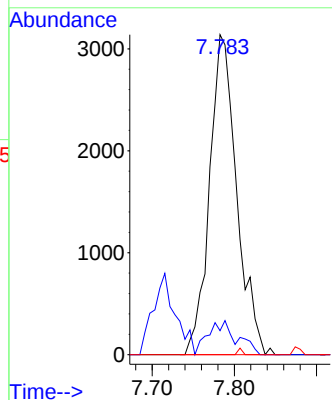
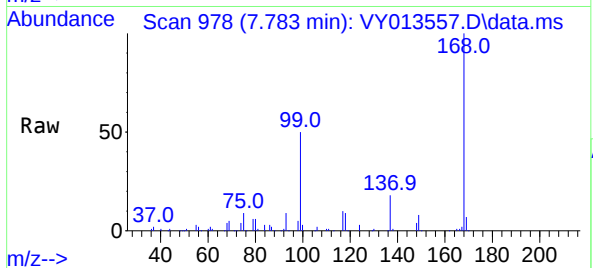
Tgt Ion: 75 Resp: 7216

Ion Ratio Lower Upper

75 100

110 8.6 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.726 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY013557.D

Acq: 02 May 2023 15:23

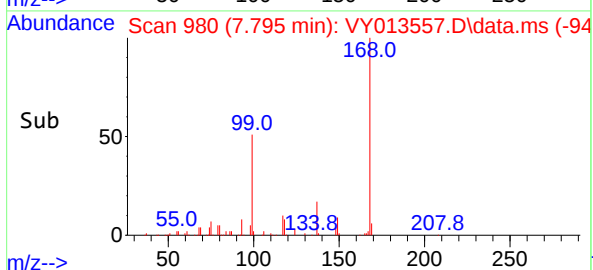
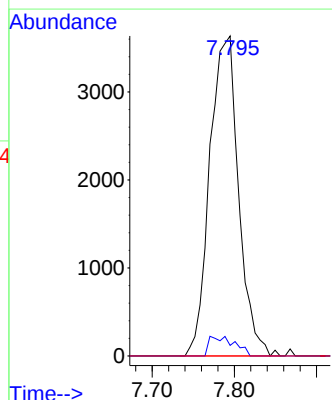
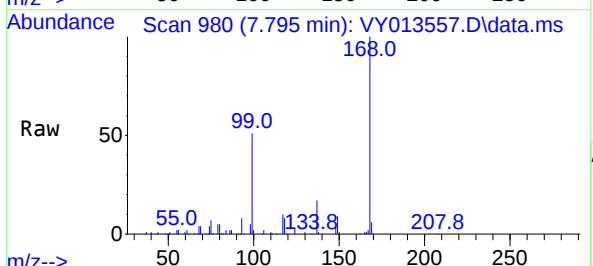
Tgt Ion: 117 Resp: 8861

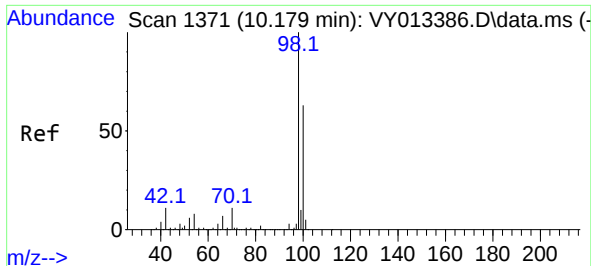
Ion Ratio Lower Upper

117 100

119 3.3 79.0 118.6#

121 0.0 26.6 40.0#

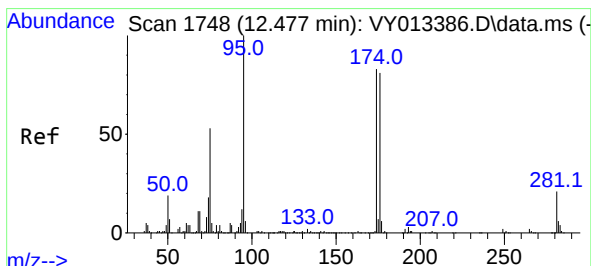
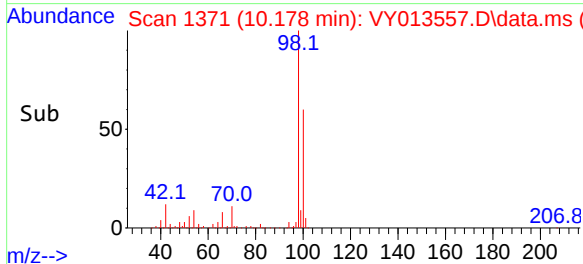
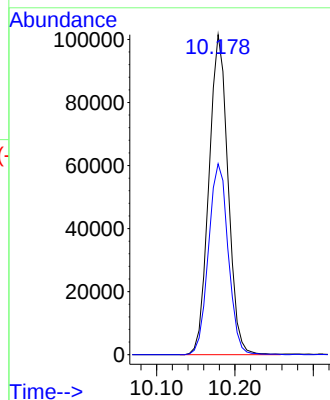
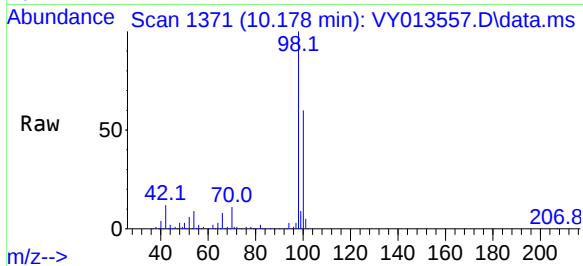




#50
Toluene-d8
Concen: 54.227 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

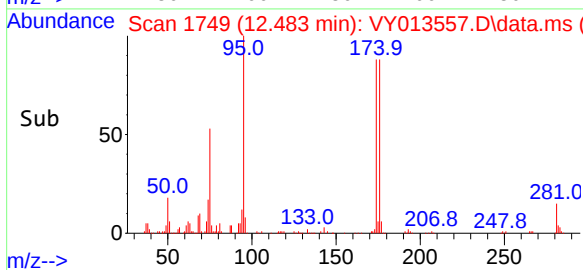
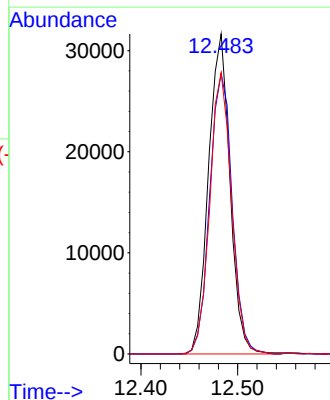
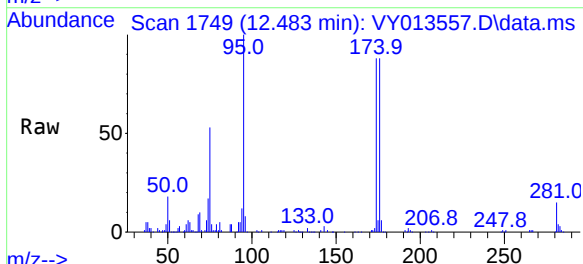
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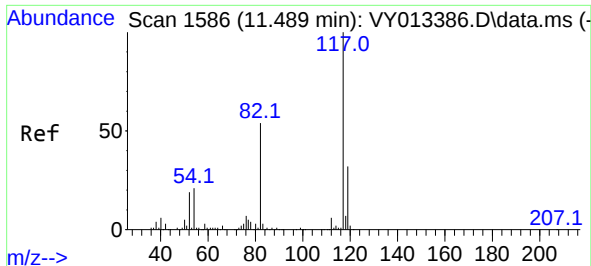
Tgt Ion: 98 Resp: 171603
Ion Ratio Lower Upper
98 100
100 61.6 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 45.804 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Tgt Ion: 95 Resp: 48866
Ion Ratio Lower Upper
95 100
174 91.9 0.0 182.0
176 88.9 0.0 175.4

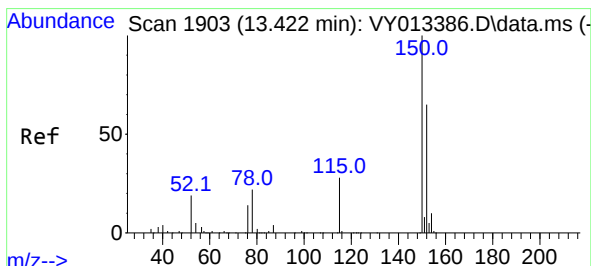
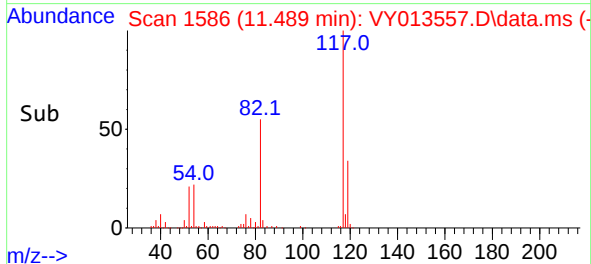
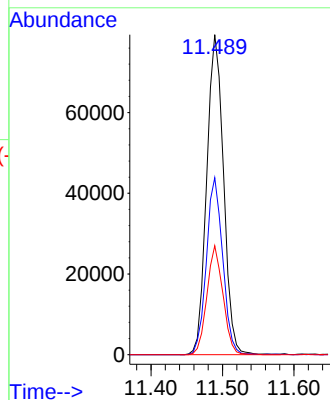
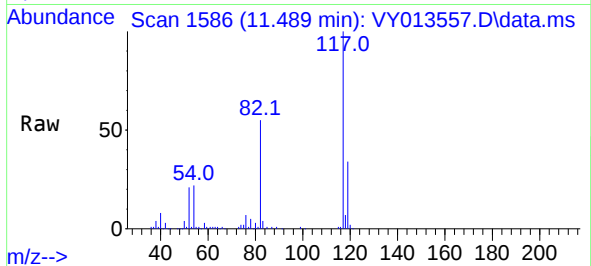




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

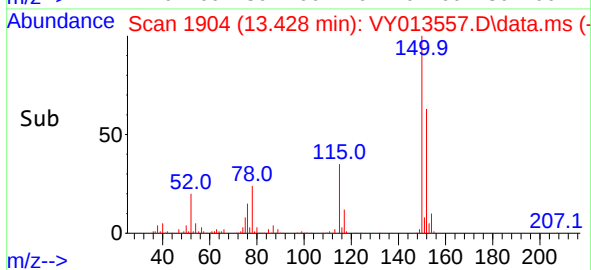
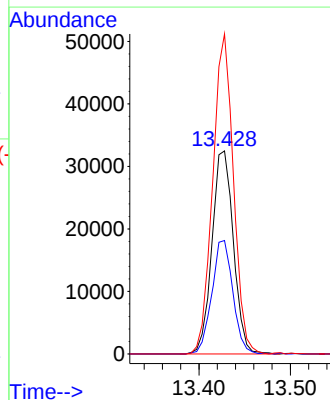
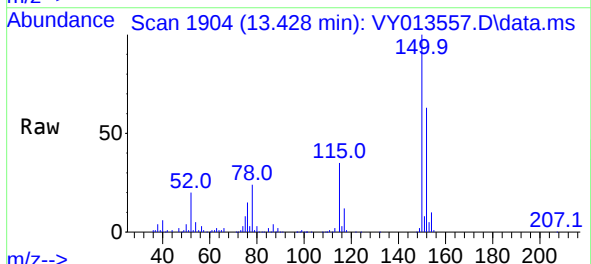
Instrument :
MSVOA_Y
ClientSampleId :
RT2343

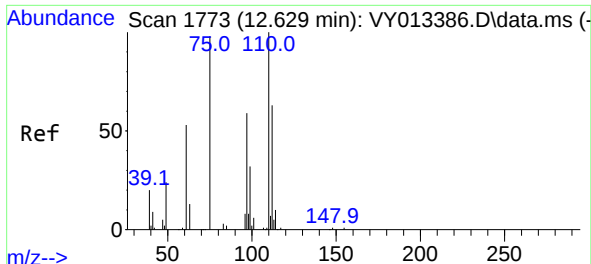
Tgt Ion:117 Resp: 129656
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.6
119 34.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Tgt Ion:152 Resp: 52912
Ion Ratio Lower Upper
152 100
115 54.9 28.1 84.2
150 152.2 0.0 352.0

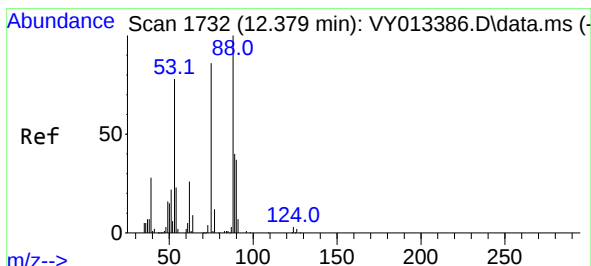
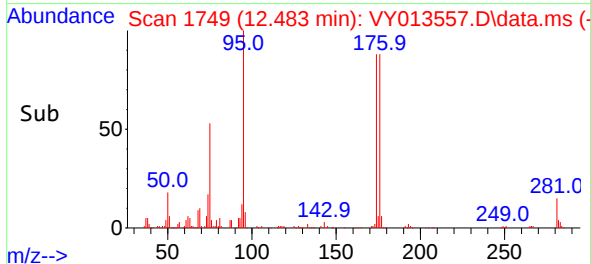
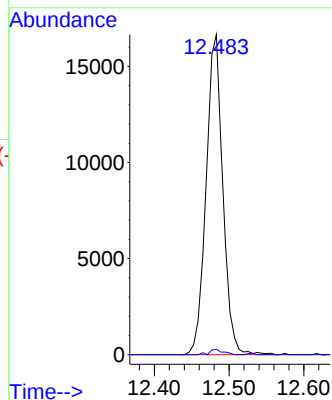
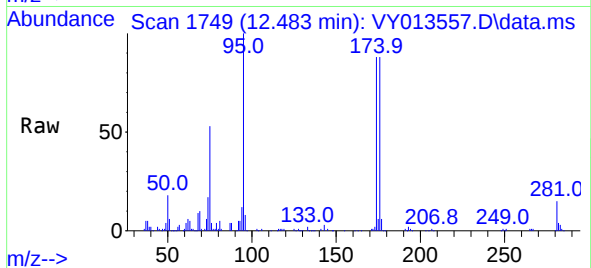




#76
1,2,3-Trichloropropane
Concen: 36.189 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Instrument :
MSVOA_Y
ClientSampleId :
RT2343

Tgt Ion: 75 Resp: 25824
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.027 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013557.D
Acq: 02 May 2023 15:23

Tgt Ion: 75 Resp: 25824
Ion Ratio Lower Upper
75 100
53 0.4 73.2 109.8#
89 0.0 38.0 57.0#

