

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013539.D
 Acq On : 01 May 2023 15:09
 Operator : KP/MD
 Sample : 02554-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-42823

Quant Time: May 01 22:48:59 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)

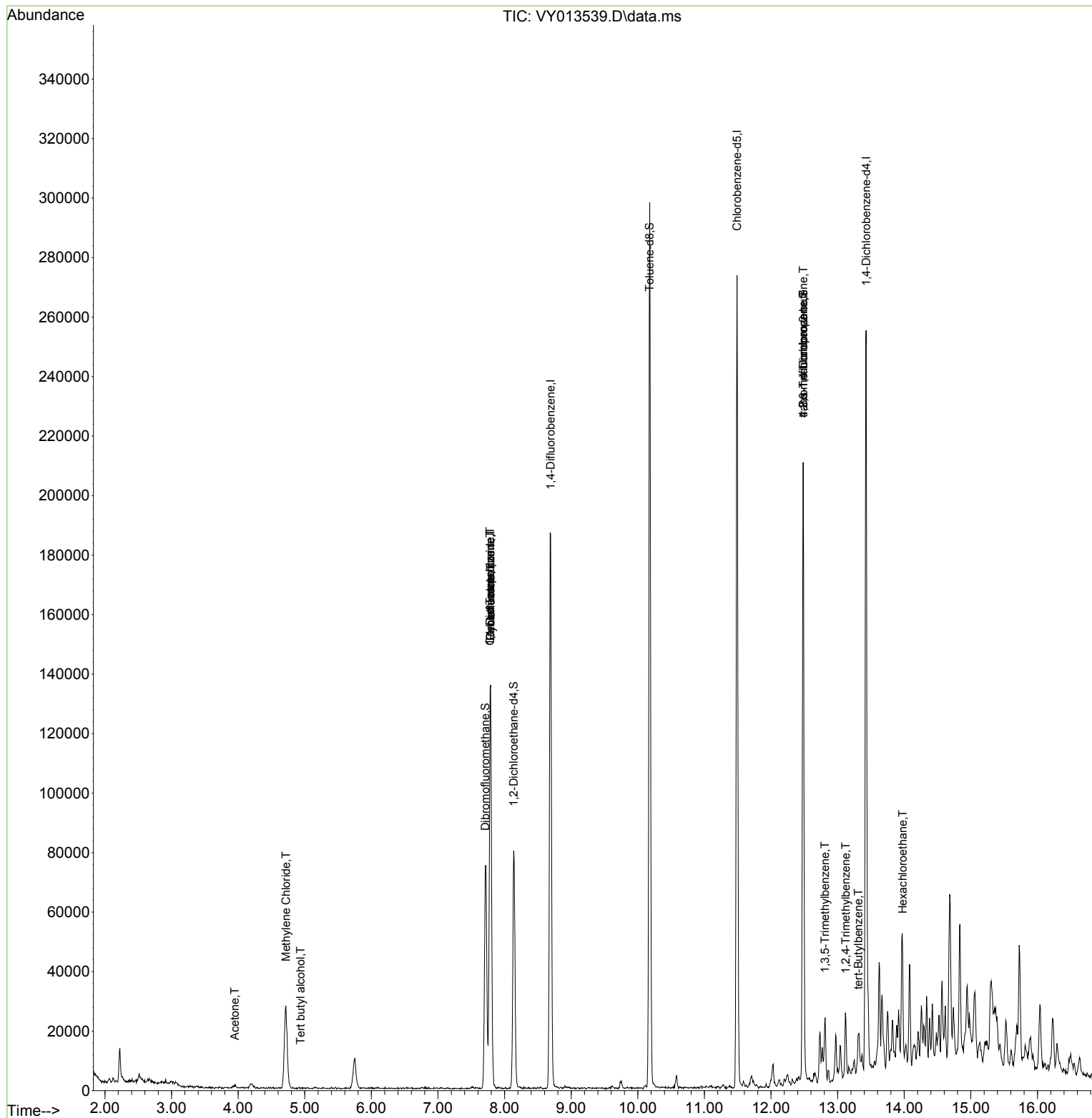
Internal Standards						
1) Pentafluorobenzene	7.789	168	106382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	159654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	144301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	65125	55.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.680%	
35) Dibromofluoromethane	7.710	113	52874	52.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.320%	
50) Toluene-d8	10.179	98	193737	54.235	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.480%	
62) 4-Bromofluorobenzene	12.483	95	57907	48.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	61	1.113	ug/l #	89
13) Acrolein	3.692	56	45	Below Cal	#	16
16) Acetone	3.948	43	1792	3.902	ug/l #	81
20) Methylene Chloride	4.716	84	19895	6.846	ug/l	92
31) Cyclohexane	7.789	56	2380	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8315	4.989	ug/l #	49
38) Carbon Tetrachloride	7.783	117	10676	6.112	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	31199	34.744	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	6591	1.603	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	31199	71.071	ug/l #	13
83) tert-Butylbenzene	13.312	119	3990	1.120	ug/l	82
84) 1,2,4-Trimethylbenzene	13.123	105	10484	2.623	ug/l	94
90) Hexachloroethane	13.977	117	1396	1.543	ug/l #	8

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

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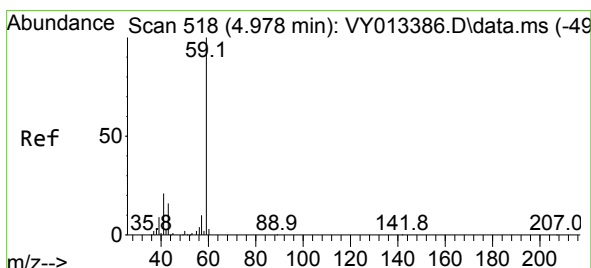
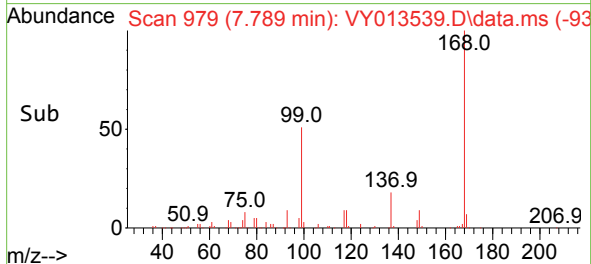
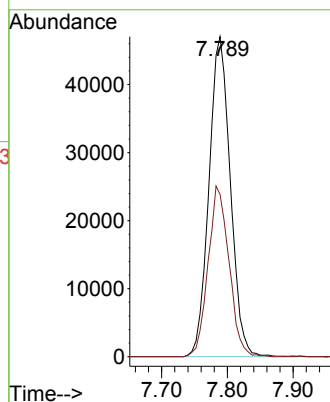
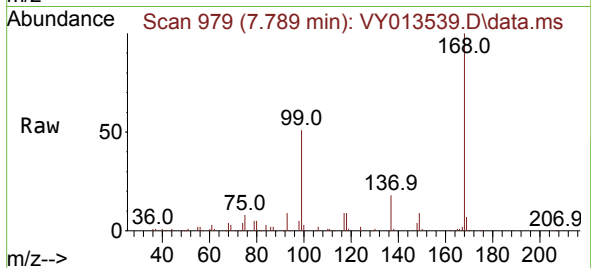




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

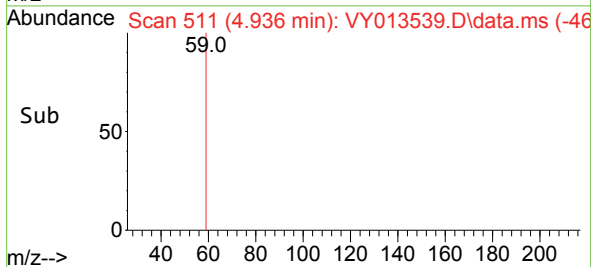
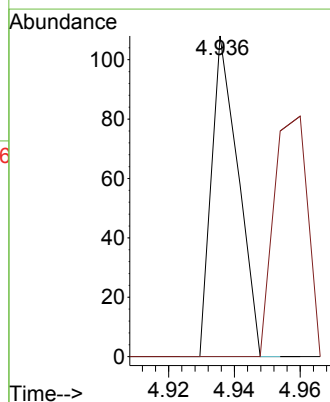
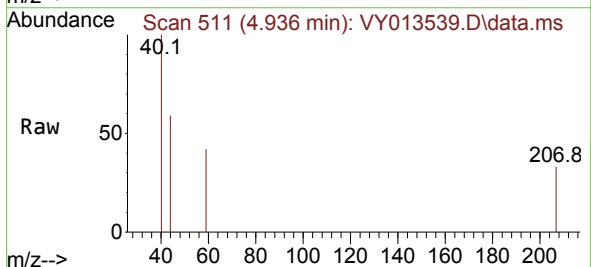
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-42823

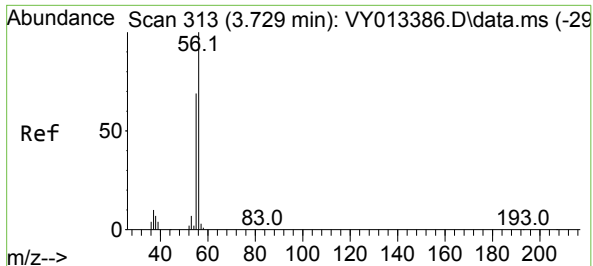
Tgt Ion:168 Resp: 106382
Ion Ratio Lower Upper
168 100
99 50.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.113 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.042 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

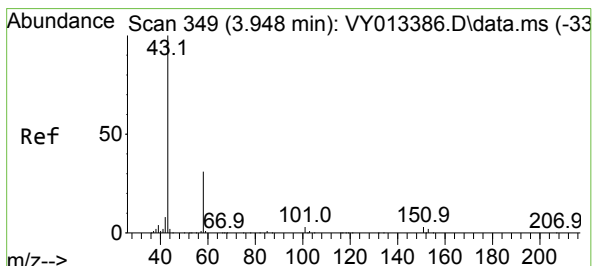
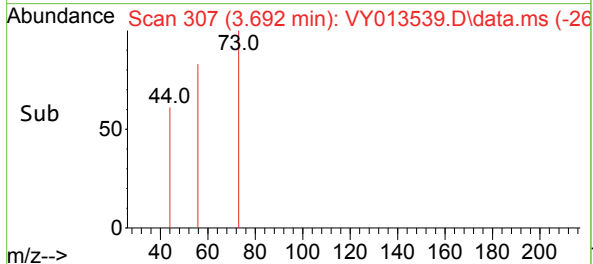
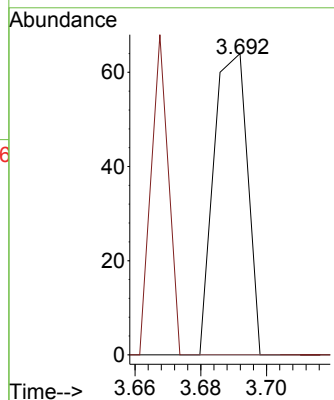
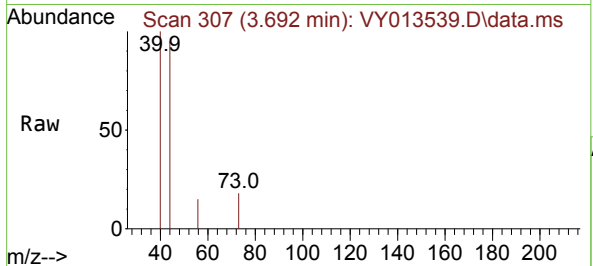




#13
Acrolein
Concen: Below Cal
RT: 3.692 min Scan# 307
Delta R.T. -0.037 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

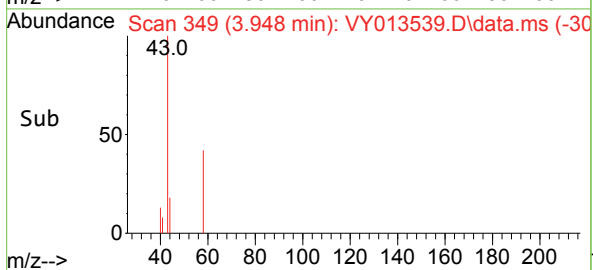
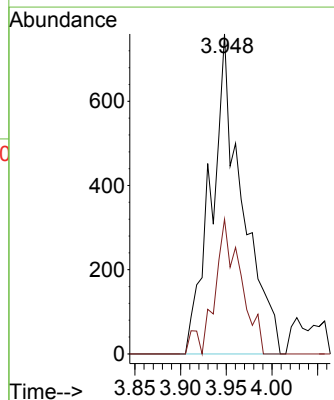
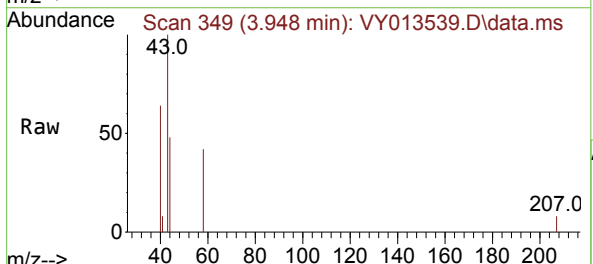
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-42823

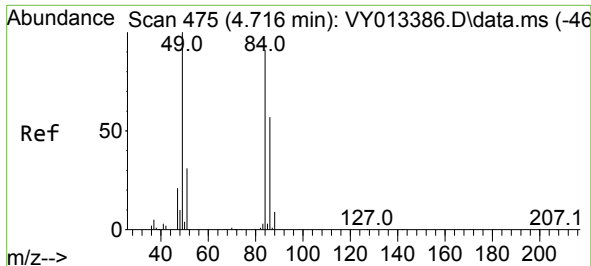
Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 3.902 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
58 42.1 25.4 38.0#

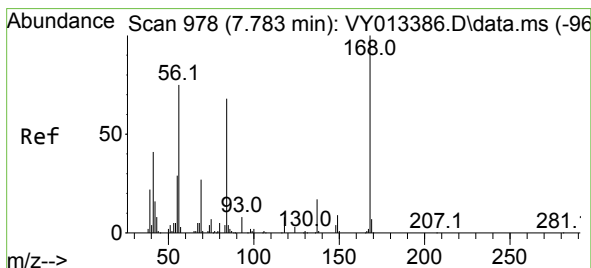
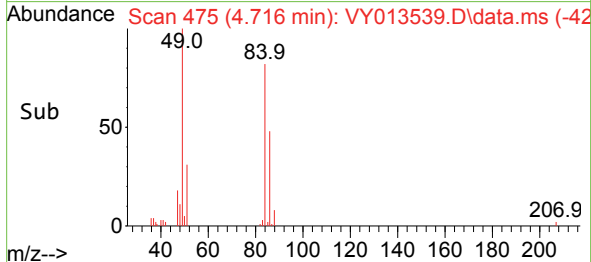
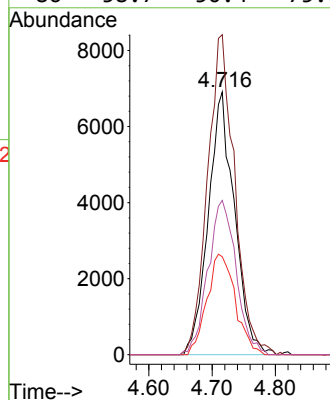
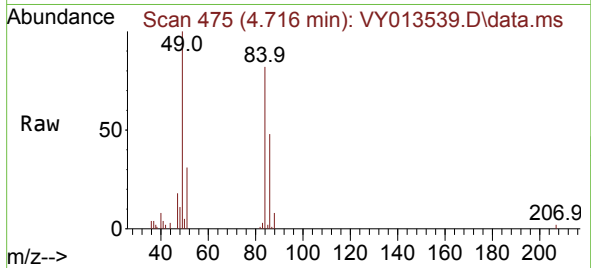




#20
Methylene Chloride
Concen: 6.846 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

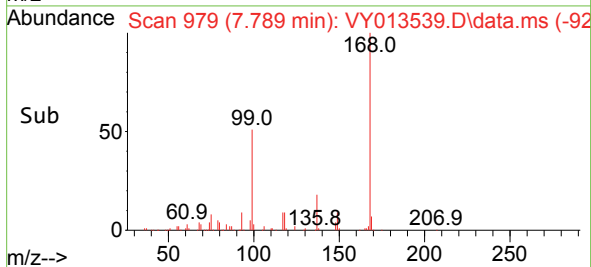
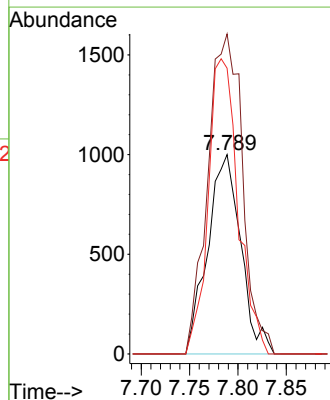
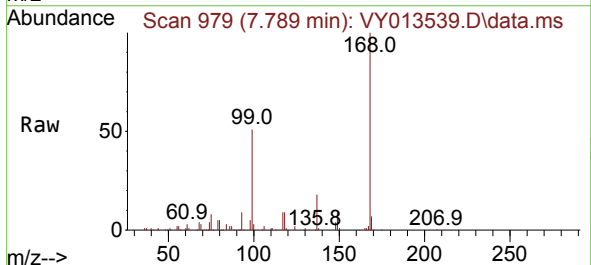
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-42823

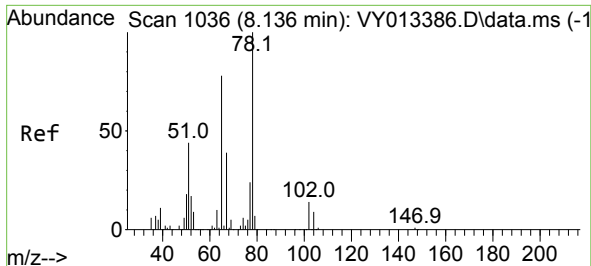
Tgt Ion:	84	Resp:	19895
Ion	Ratio	Lower	Upper
84	100		
49	121.8	88.0	132.0
51	37.2	27.4	41.0
86	58.7	50.4	75.6



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion:	56	Resp:	2380
Ion	Ratio	Lower	Upper
56	100		
69	160.5	29.2	43.8#
84	143.3	73.0	109.6#

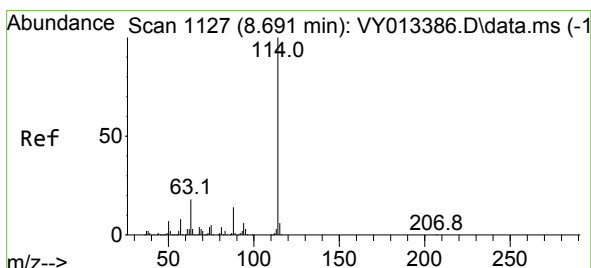
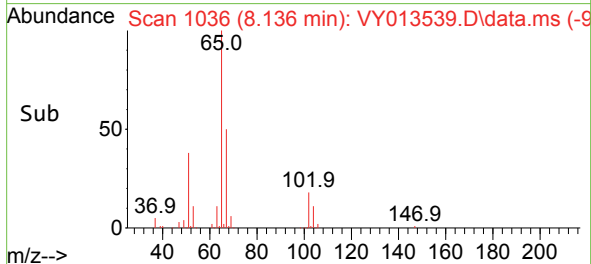
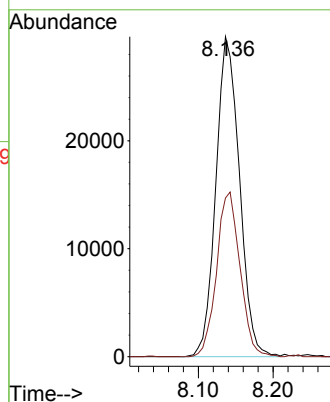
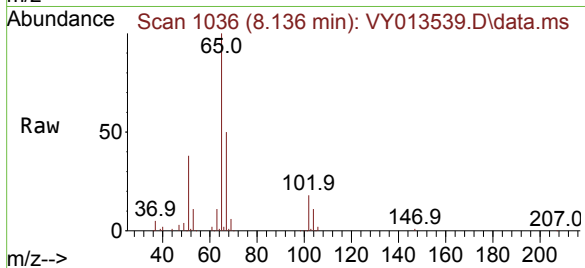




#33
1,2-Dichloroethane-d4
Concen: 55.845 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

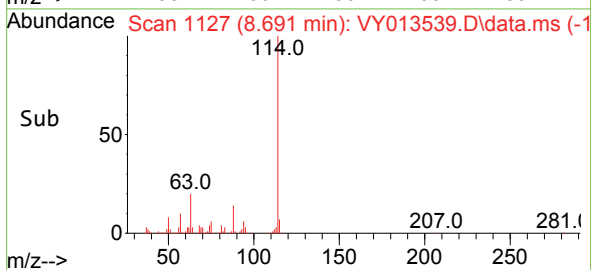
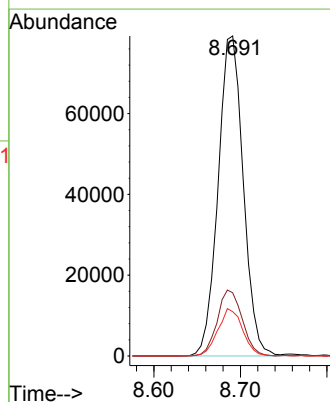
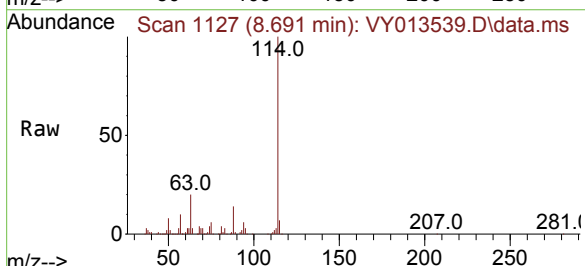
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-42823

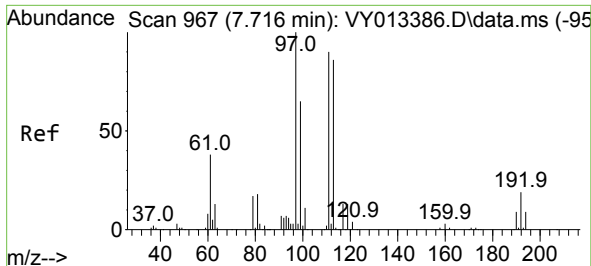
Tgt Ion: 65 Resp: 65125
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion:114 Resp: 159654
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.6
88 13.8 0.0 28.8

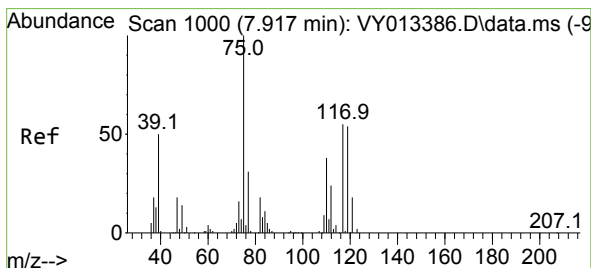
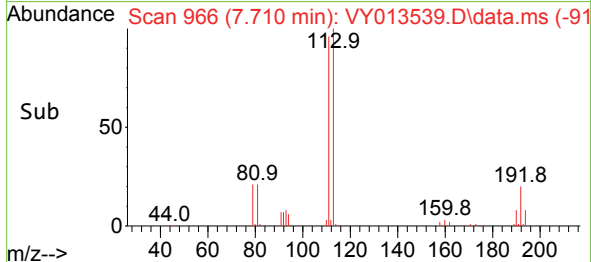
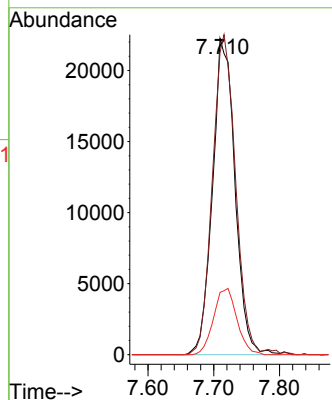
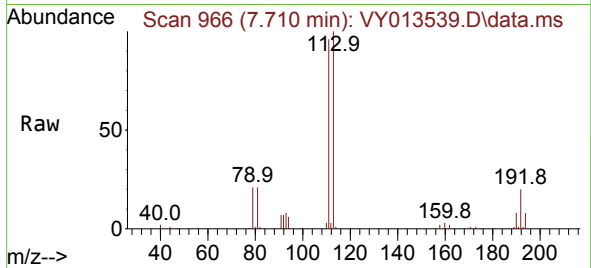




#35
Dibromofluoromethane
Concen: 52.655 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

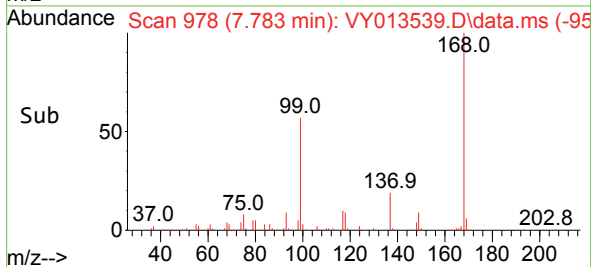
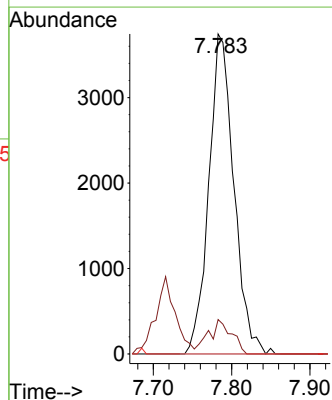
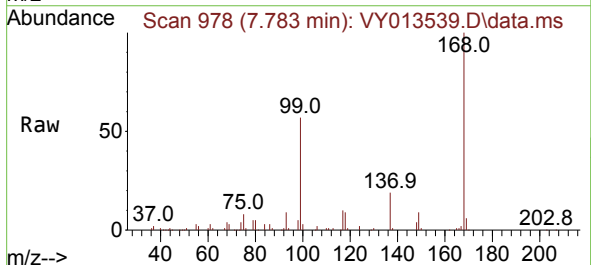
Instrument :
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ClientSampleId :
TR-04-42823

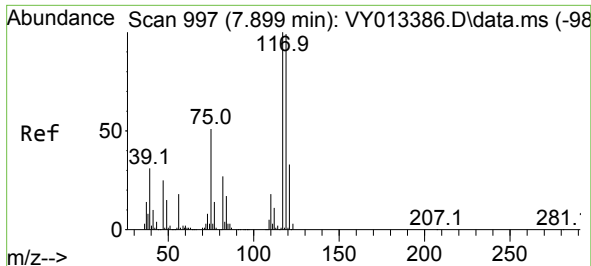
Tgt Ion:113 Resp: 52874
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 21.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion: 75 Resp: 8315
Ion Ratio Lower Upper
75 100
110 9.9 18.7 56.1#
77 0.0 24.6 37.0#

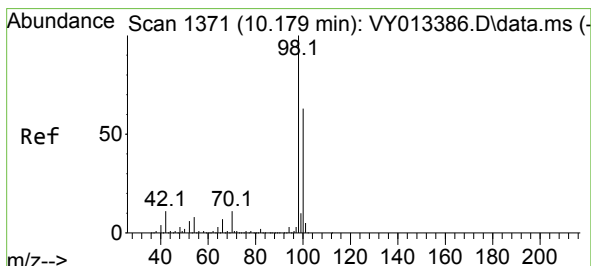
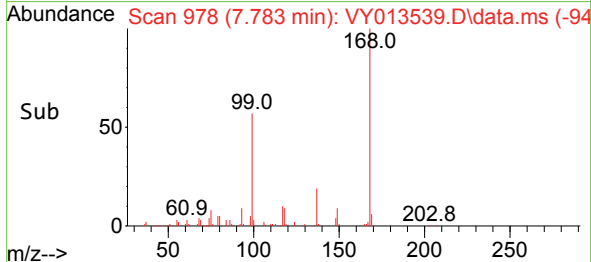
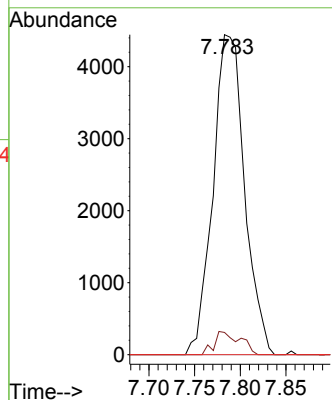
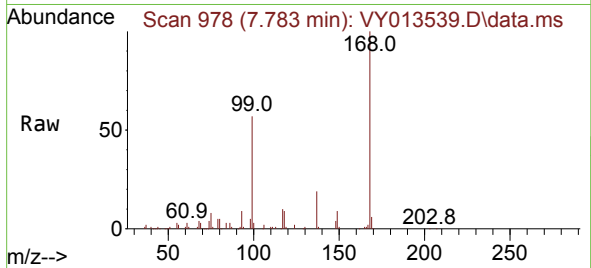




#38
Carbon Tetrachloride
Concen: 6.112 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

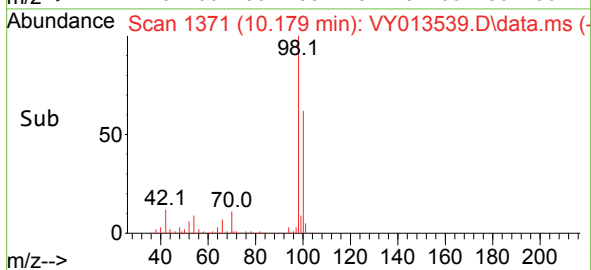
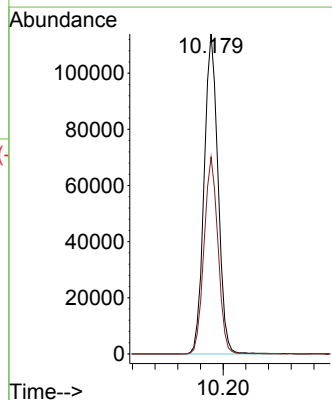
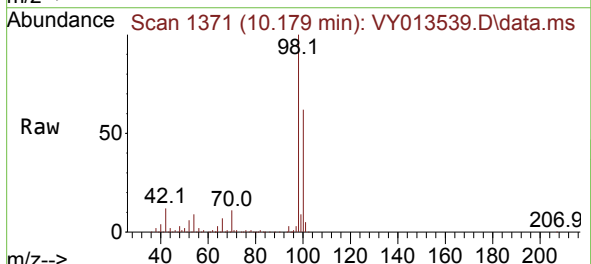
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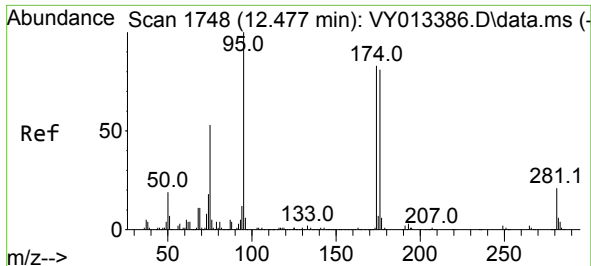
Tgt Ion:117 Resp: 10676
Ion Ratio Lower Upper
117 100
119 7.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.235 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion: 98 Resp: 193737
Ion Ratio Lower Upper
98 100
100 61.7 50.5 75.7

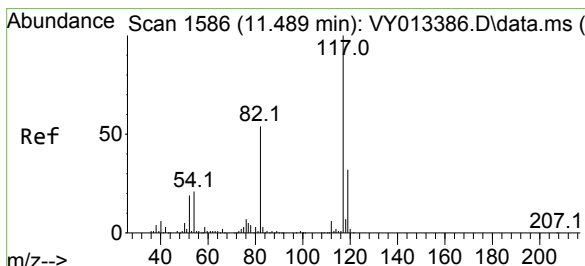
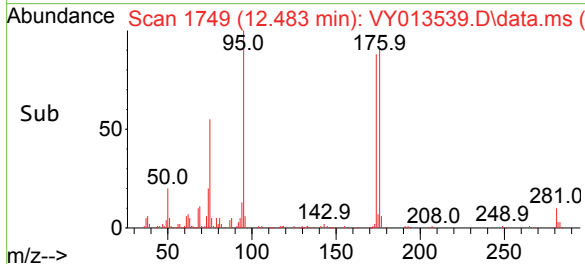
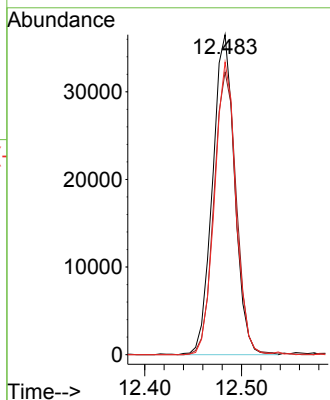
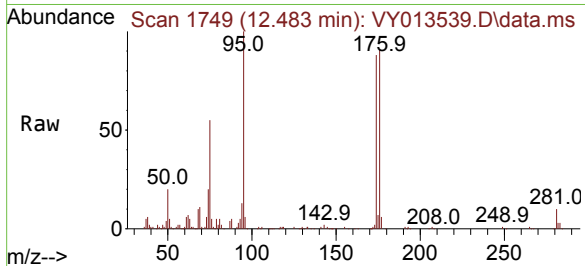




#62
4-Bromofluorobenzene
Concen: 48.085 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

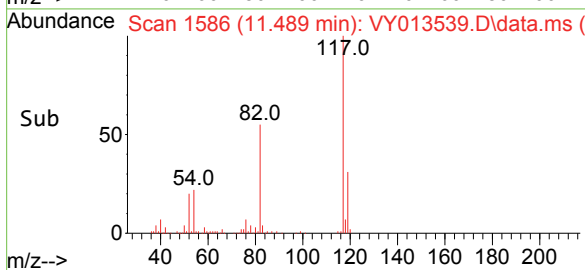
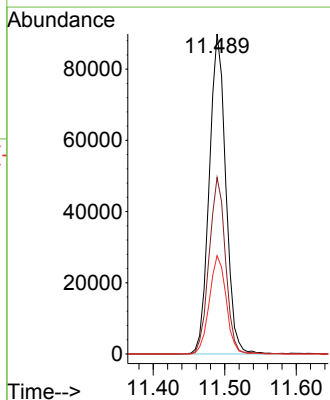
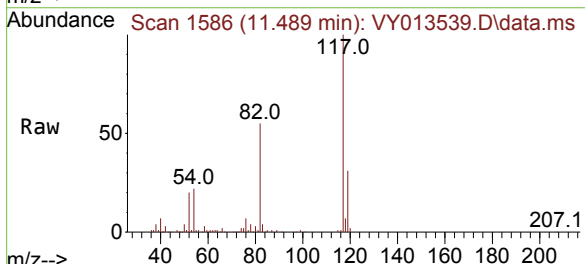
Instrument :
MSVOA_Y
ClientSampleId :
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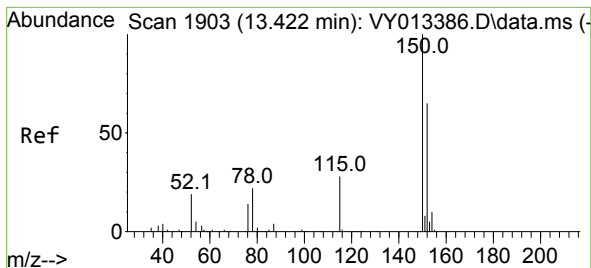
Tgt Ion: 95 Resp: 57907
Ion Ratio Lower Upper
95 100
174 90.1 0.0 182.0
176 87.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013539.D
Acq: 01 May 2023 15:09

Tgt Ion: 117 Resp: 144301
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.6
119 30.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013539.D

Acq: 01 May 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-42823

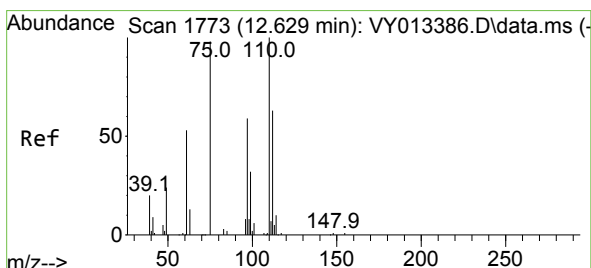
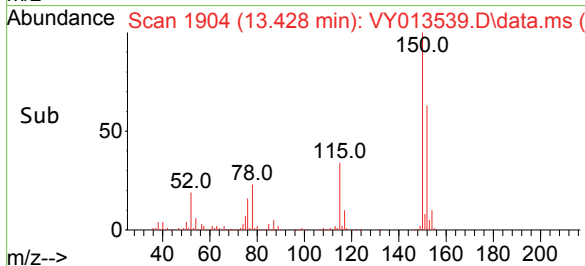
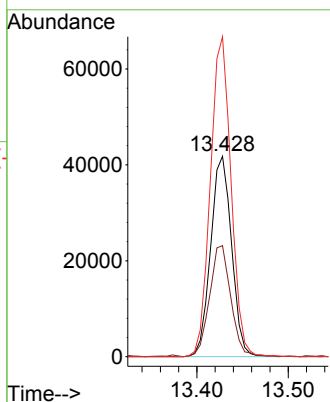
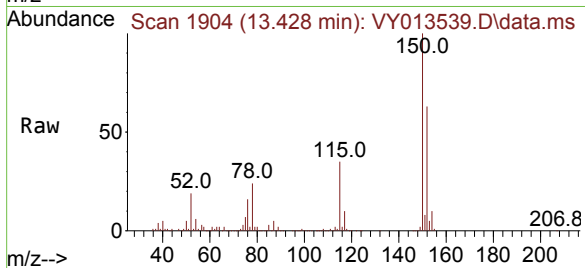
Tgt Ion:152 Resp: 66584

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

150 157.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 34.744 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013539.D

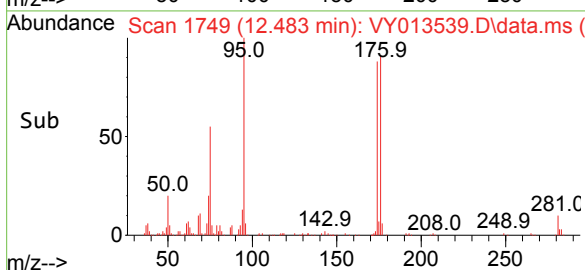
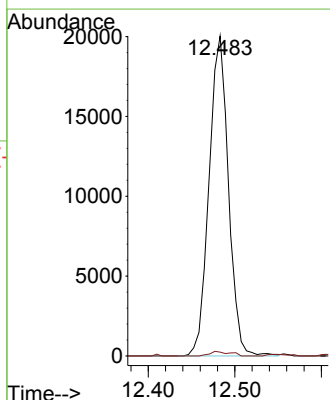
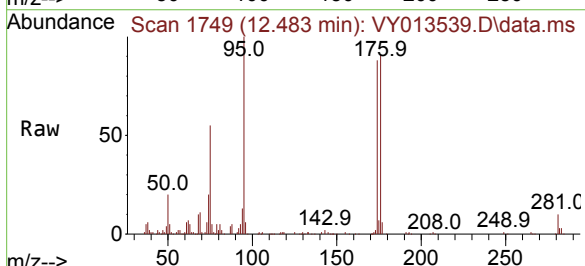
Acq: 01 May 2023 15:09

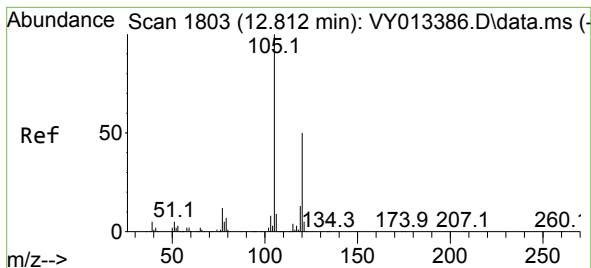
Tgt Ion: 75 Resp: 31199

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.603 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013539.D

Acq: 01 May 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

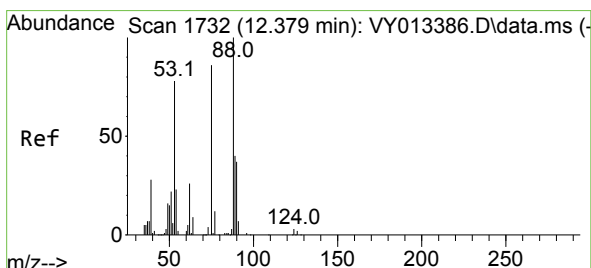
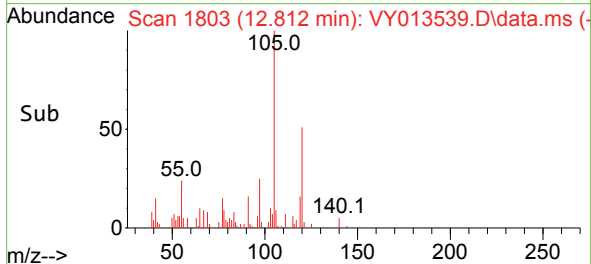
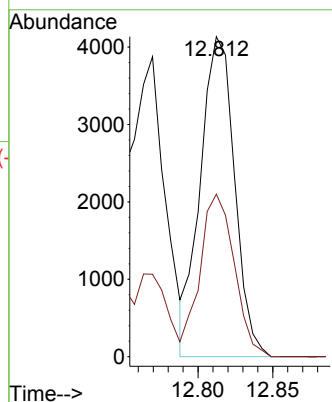
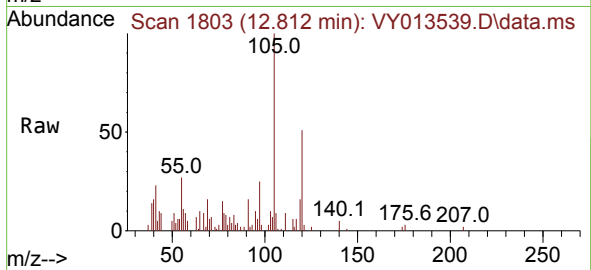
TR-04-42823

Tgt Ion:105 Resp: 6591

Ion Ratio Lower Upper

105 100

120 50.8 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 71.071 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013539.D

Acq: 01 May 2023 15:09

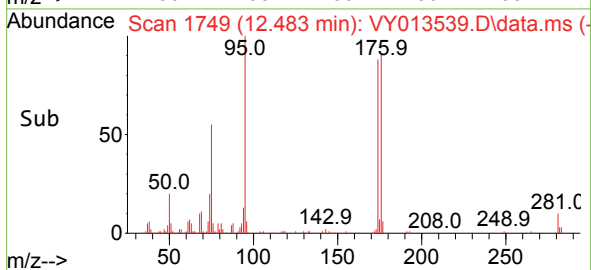
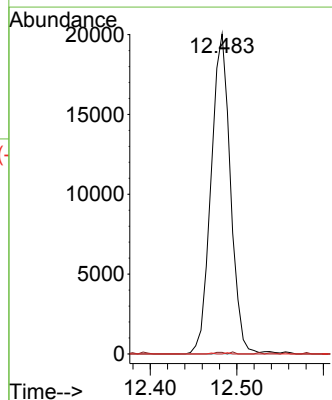
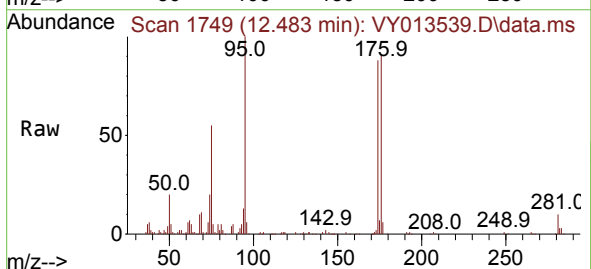
Tgt Ion: 75 Resp: 31199

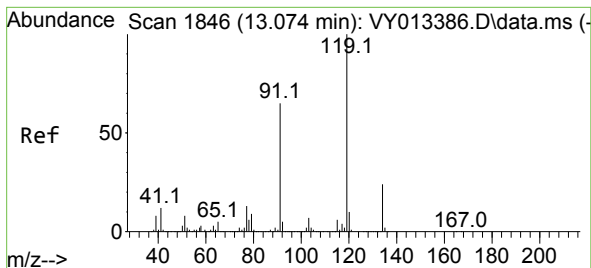
Ion Ratio Lower Upper

75 100

53 0.2 73.2 109.8#

89 0.1 38.0 57.0#





#83

tert-Butylbenzene

Concen: 1.120 ug/l

RT: 13.312 min Scan# 1885

Delta R.T. 0.238 min

Lab File: VY013539.D

Acq: 01 May 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-42823

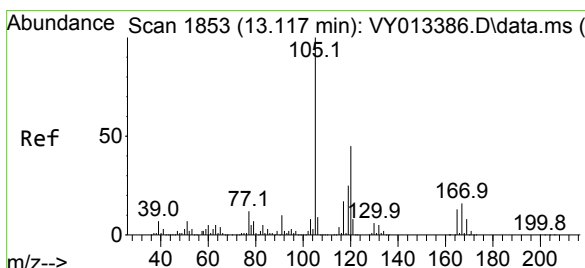
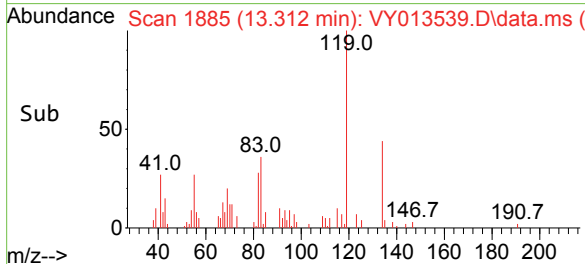
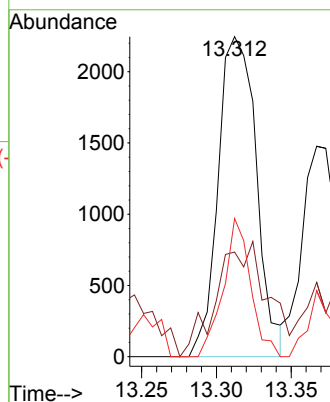
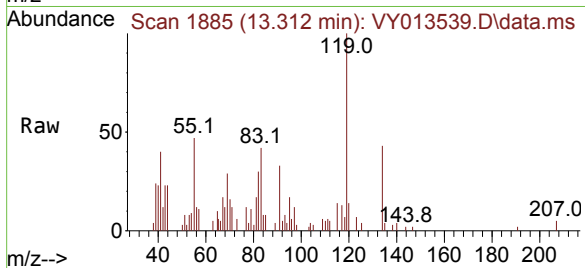
Tgt Ion:119 Resp: 3990

Ion Ratio Lower Upper

119 100

91 47.5 32.2 96.6

134 31.0 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 2.623 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY013539.D

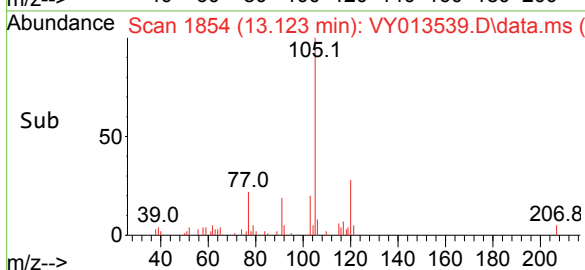
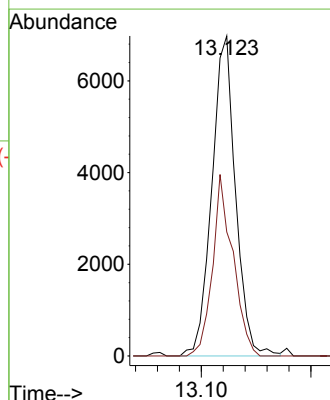
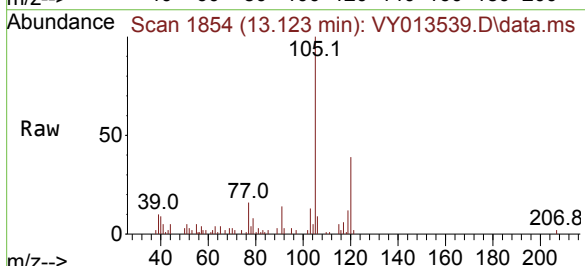
Acq: 01 May 2023 15:09

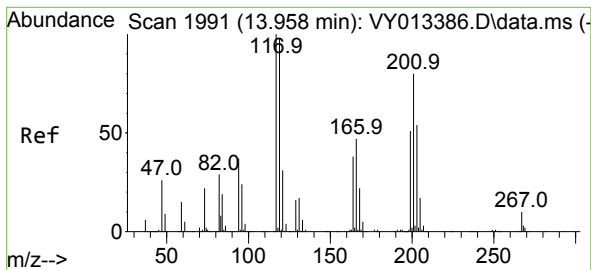
Tgt Ion:105 Resp: 10484

Ion Ratio Lower Upper

105 100

120 48.6 22.3 66.9





#90

Hexachloroethane

Concen: 1.543 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.019 min

Lab File: VY013539.D

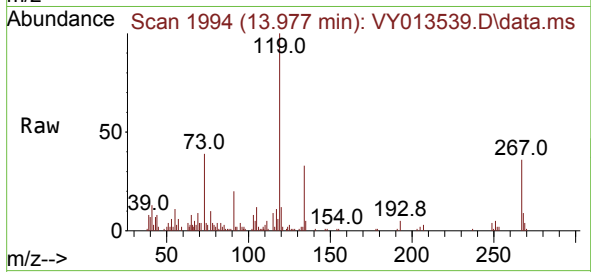
Acq: 01 May 2023 15:09

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-42823



Tgt Ion:117 Resp: 1396

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

