

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013559.D
 Acq On : 02 May 2023 16:10
 Operator : KP/MD
 Sample : 02563-03RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-042823

Quant Time: May 03 01:34:16 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)

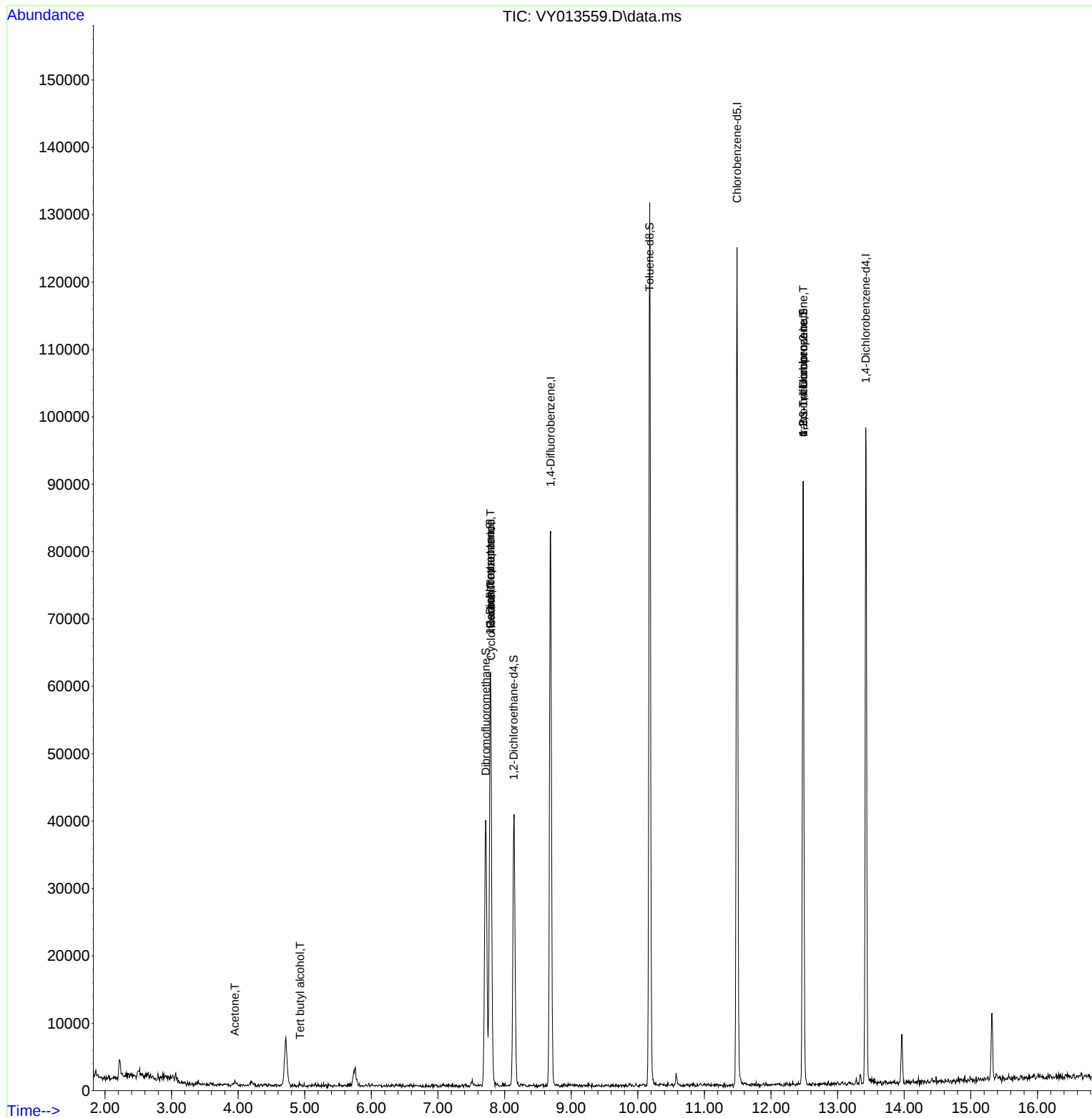
Internal Standards						
1) Pentafluorobenzene	7.789	168	49707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	70820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	67343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	25875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	32799	60.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.380%	
35) Dibromofluoromethane	7.716	113	27266	61.213	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.420%	
50) Toluene-d8	10.179	98	85911	54.218	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.440%	
62) 4-Bromofluorobenzene	12.483	95	24025	44.974	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	46	1.397	ug/l #	89
16) Acetone	3.948	43	677	3.155	ug/l #	78
20) Methylene Chloride	4.716	84	4429	Below Cal		96
31) Cyclohexane	7.795	56	1242	1.273	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	3693	4.996	ug/l #	45
38) Carbon Tetrachloride	7.789	117	4637	5.985	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	12574	36.033	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	12574	73.708	ug/l #	13

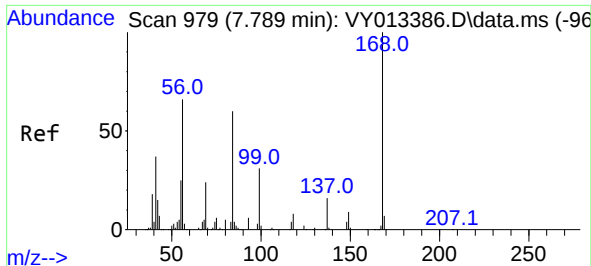
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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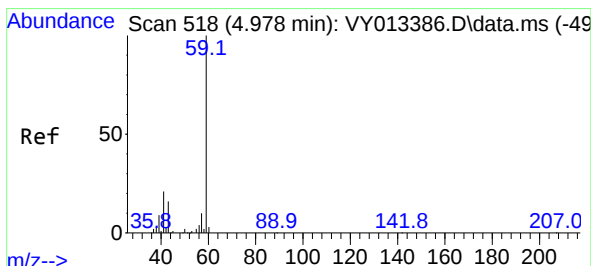
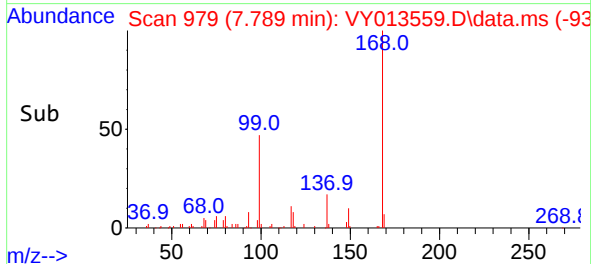
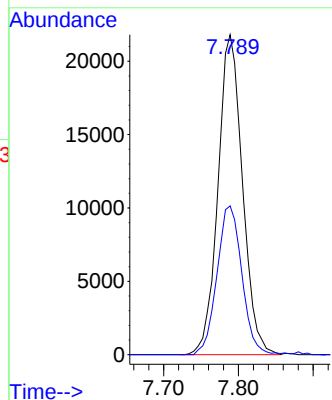
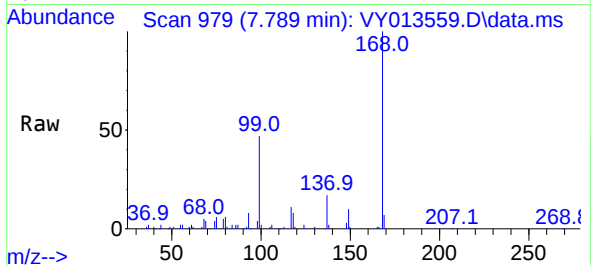




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

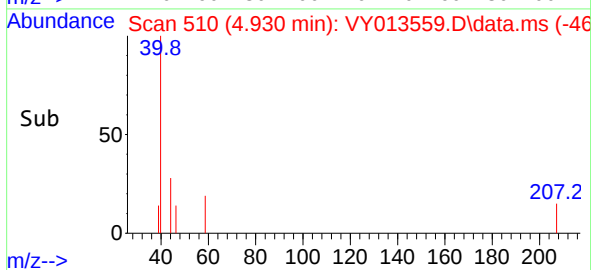
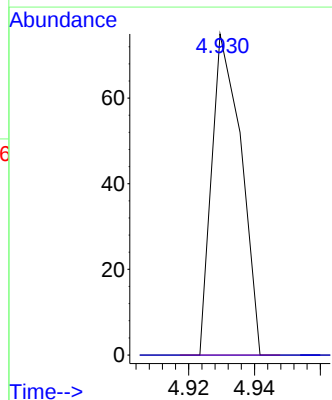
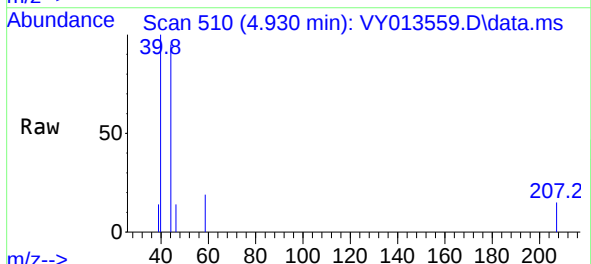
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

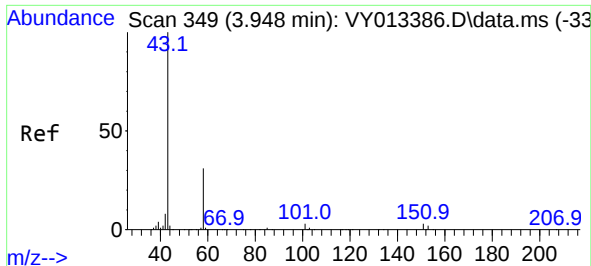
Tgt Ion:168 Resp: 49707
Ion Ratio Lower Upper
168 100
99 46.5 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.397 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.048 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

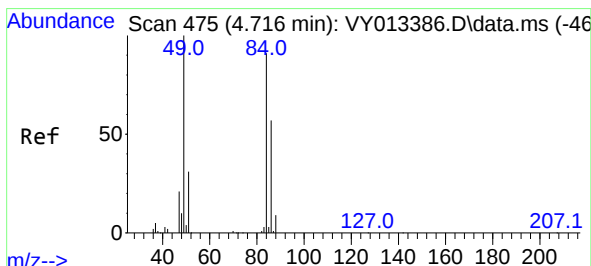
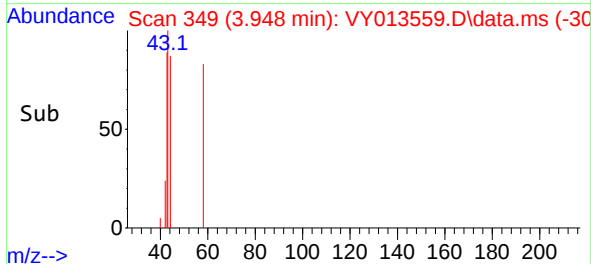
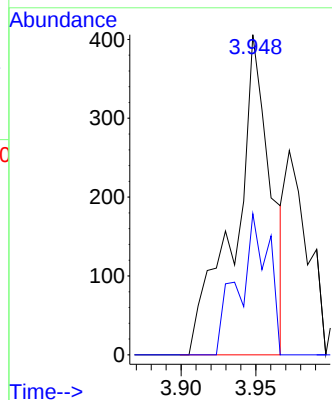
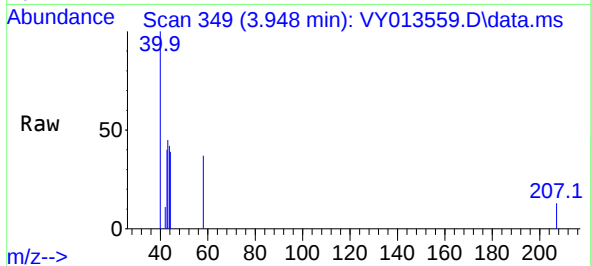




#16
Acetone
Concen: 3.155 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

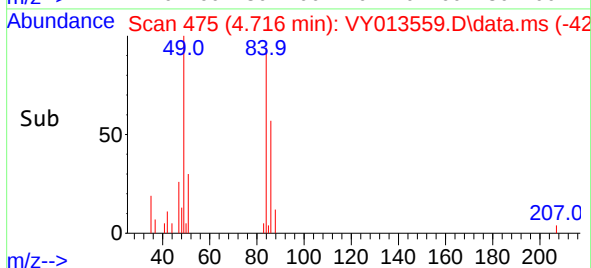
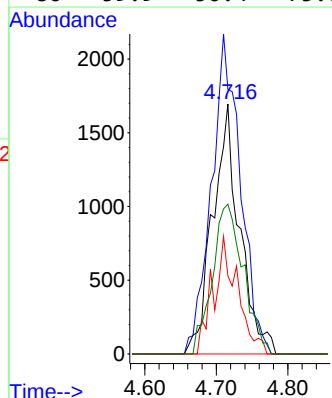
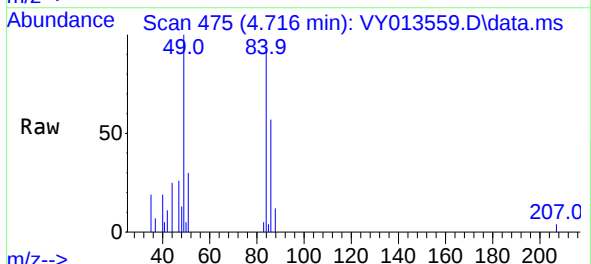
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

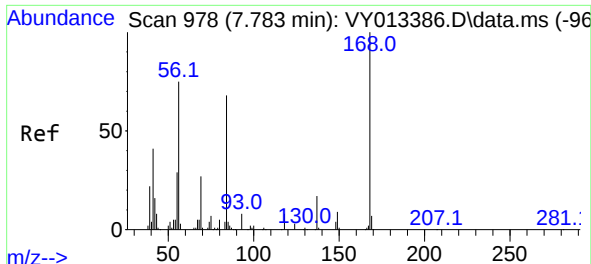
Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 44.1 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

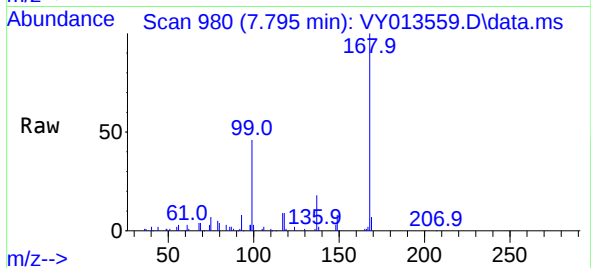
Tgt Ion: 84 Resp: 4429
Ion Ratio Lower Upper
84 100
49 105.9 88.0 132.0
51 31.3 27.4 41.0
86 59.9 50.4 75.6



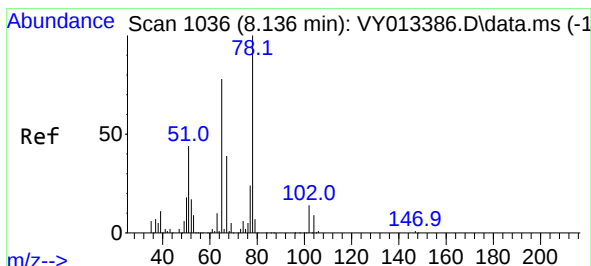
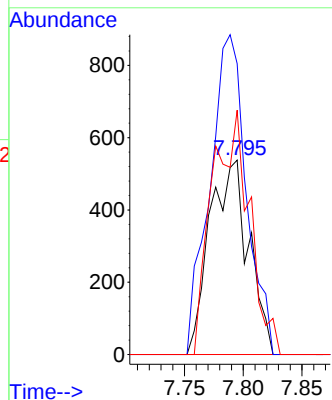
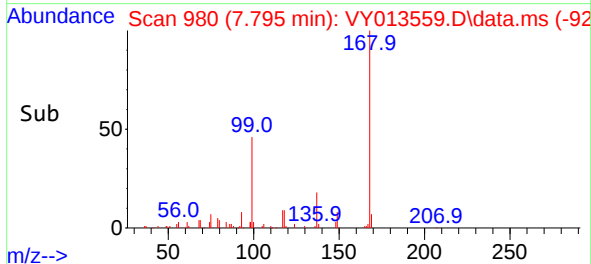


#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

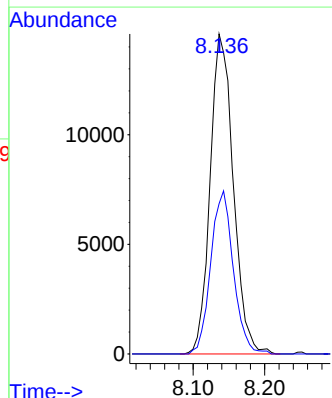
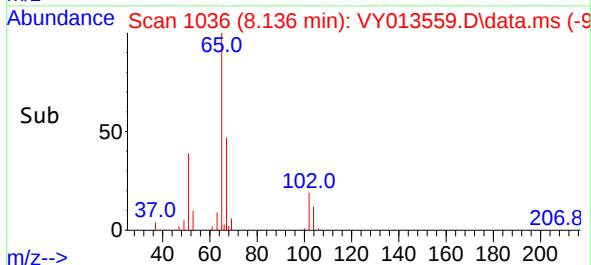
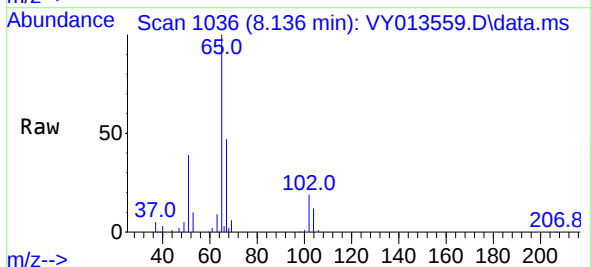


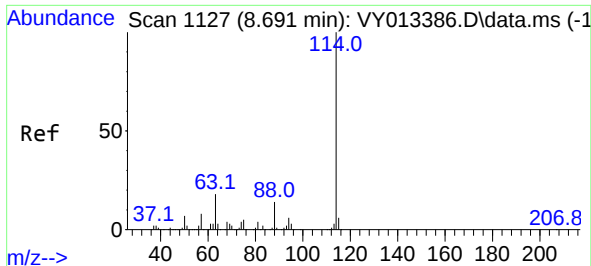
Tgt Ion: 56 Resp: 1242
Ion Ratio Lower Upper
56 100
69 149.6 29.2 43.8#
84 125.7 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 60.193 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Tgt Ion: 65 Resp: 32799
Ion Ratio Lower Upper
65 100
67 49.9 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: VY013559.D

Acq: 02 May 2023 16:10

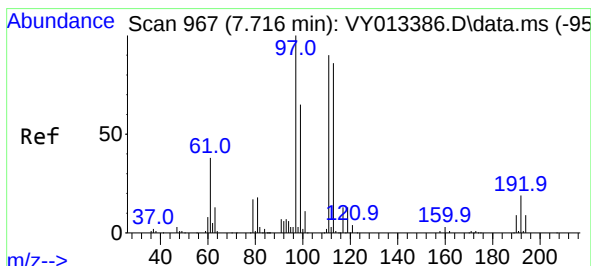
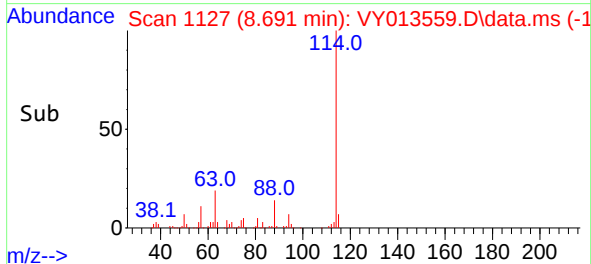
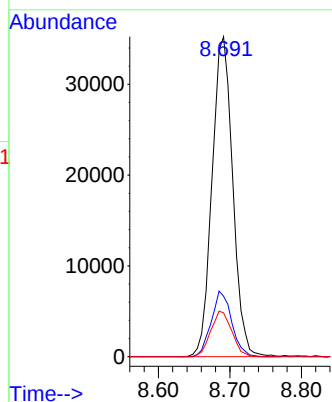
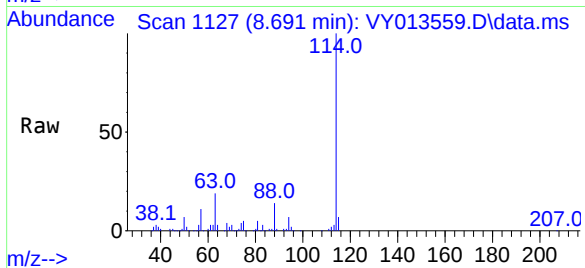
Instrument :

MSVOA_Y

ClientSampleId :

HR-03-042823

Tgt Ion:	114	Resp:	70820
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	36.6
88	13.7	0.0	28.8



#35

Dibromofluoromethane

Concen: 61.213 ug/l

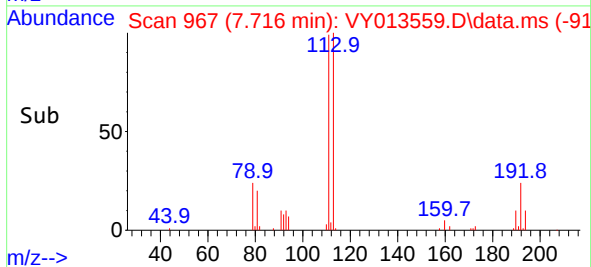
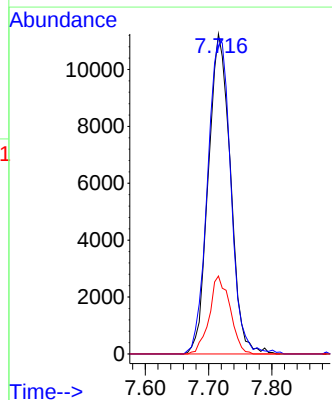
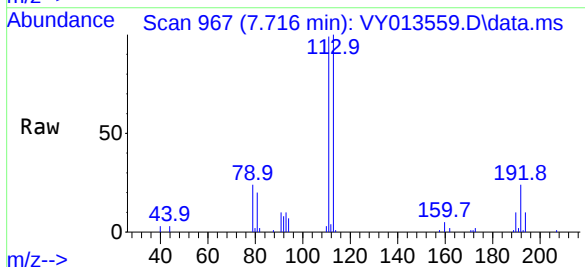
RT: 7.716 min Scan# 967

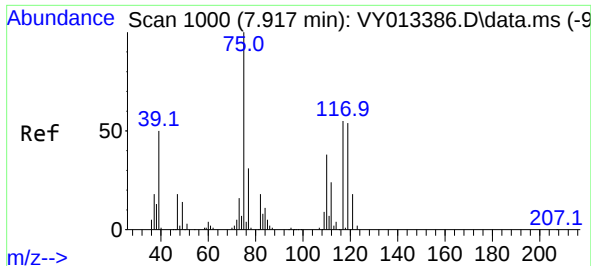
Delta R.T. -0.000 min

Lab File: VY013559.D

Acq: 02 May 2023 16:10

Tgt Ion:	113	Resp:	27266
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	22.8	16.7	25.1

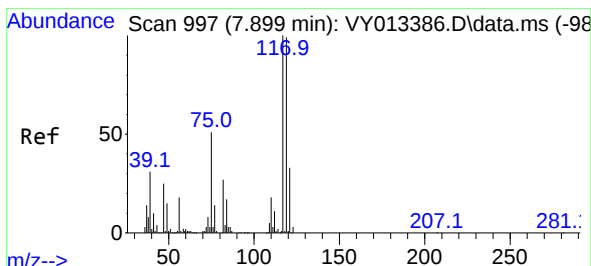
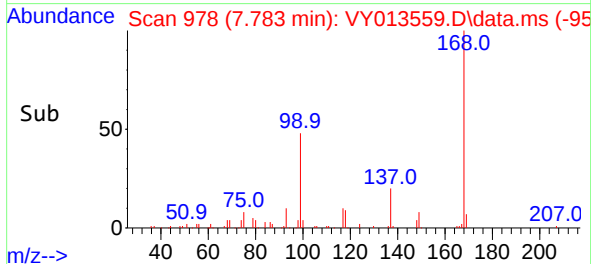
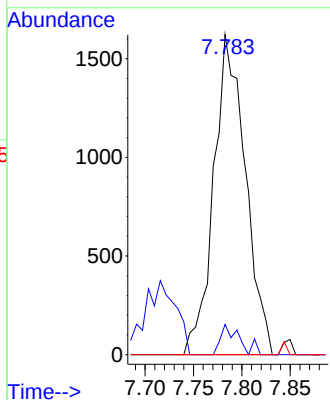
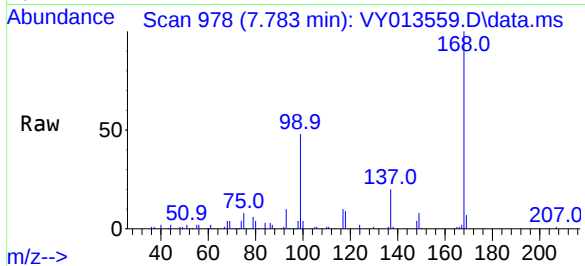




#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

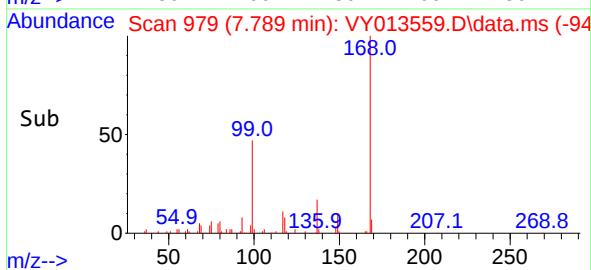
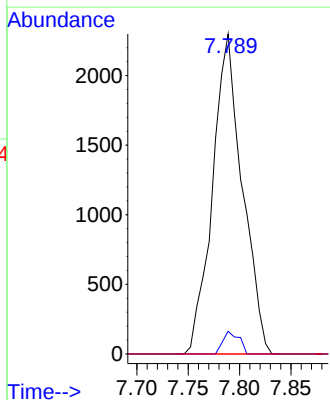
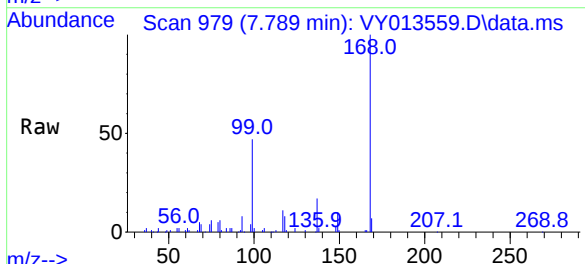
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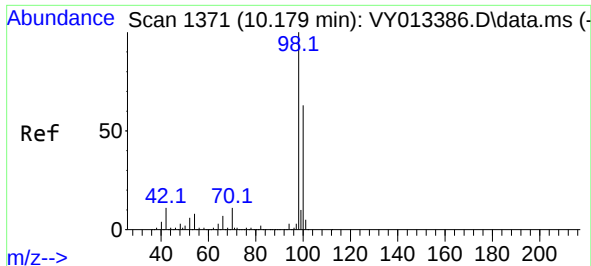
Tgt Ion: 75 Resp: 3693
Ion Ratio Lower Upper
75 100
110 4.8 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Tgt Ion: 117 Resp: 4637
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 26.6 40.0#

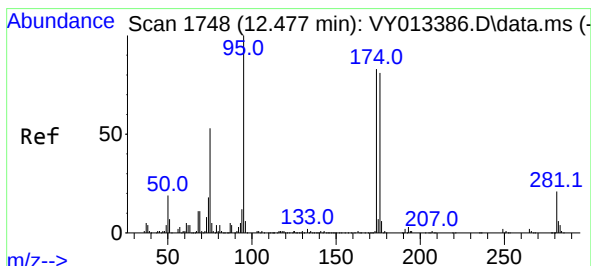
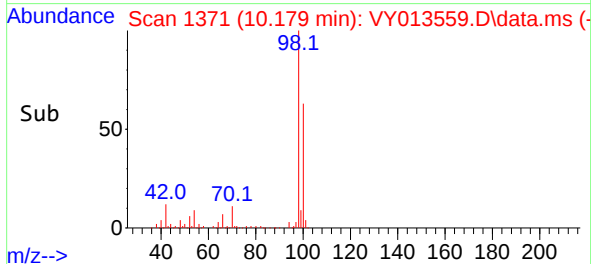
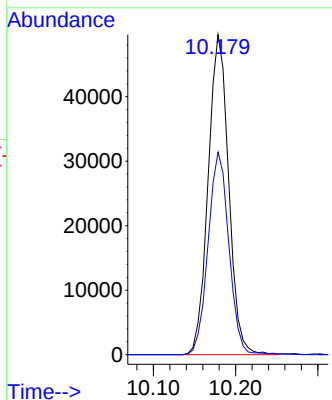
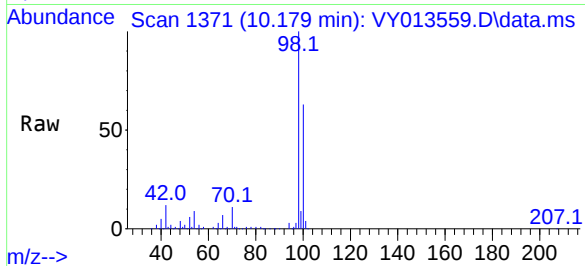




#50
Toluene-d8
Concen: 54.218 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

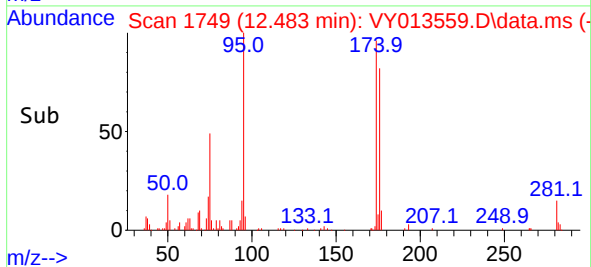
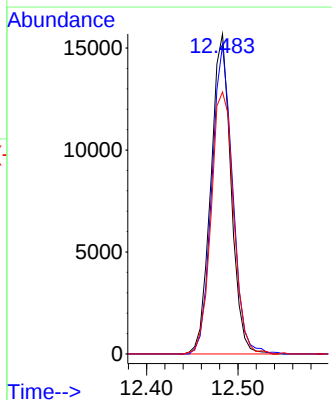
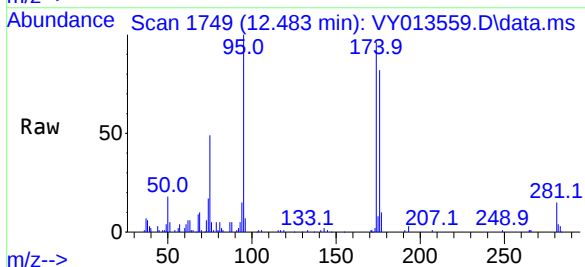
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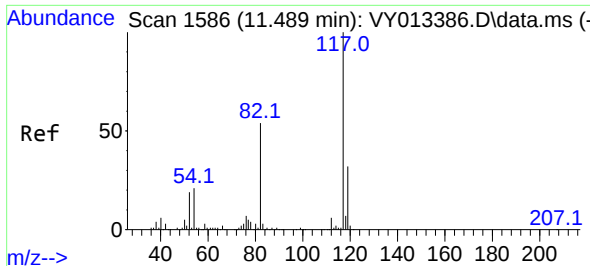
Tgt Ion: 98 Resp: 85911
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 44.974 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Tgt Ion: 95 Resp: 24025
Ion Ratio Lower Upper
95 100
174 99.4 0.0 182.0
176 91.3 0.0 175.4

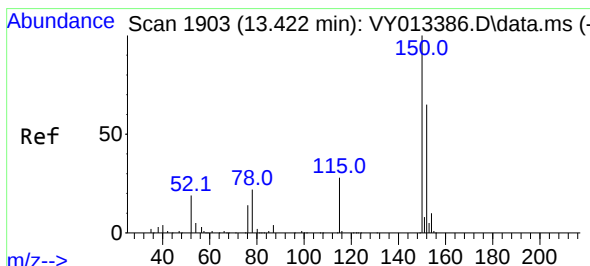
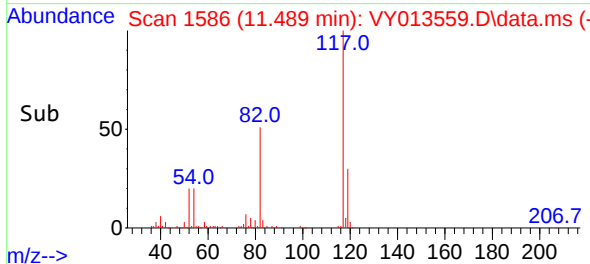
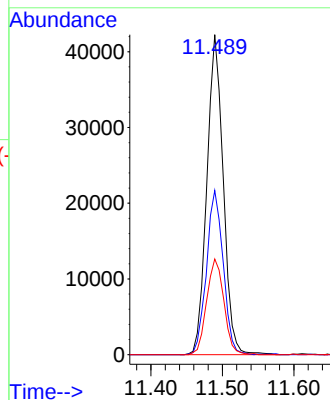
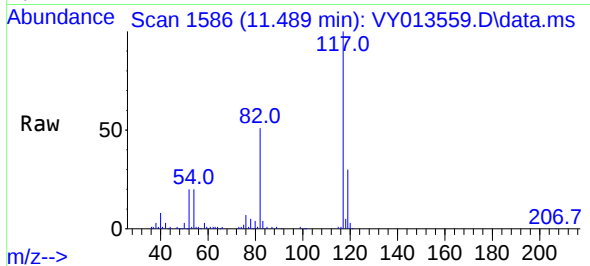




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

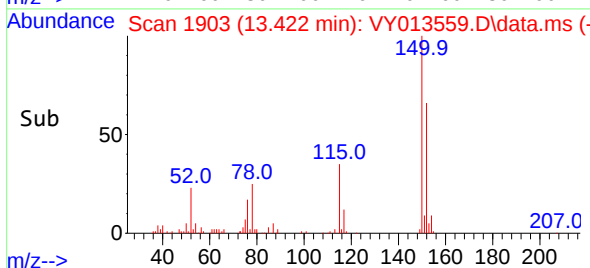
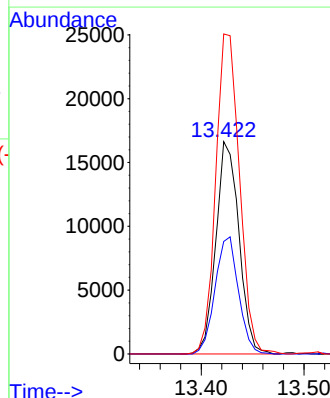
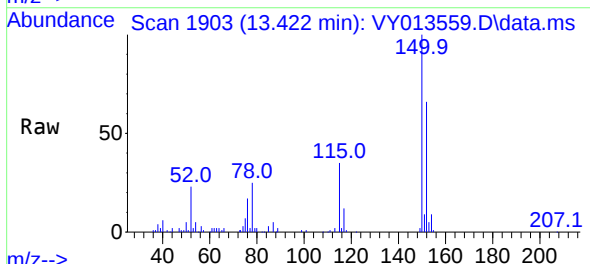
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

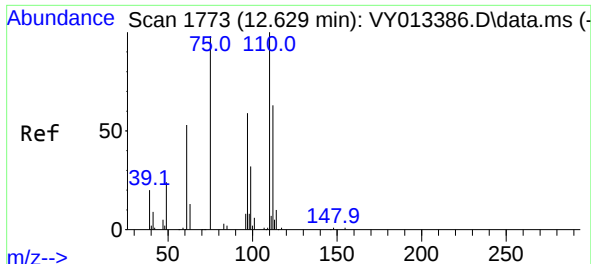
Tgt Ion:117	Resp:	67343	
Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.0	64.6
119	29.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Tgt Ion:152	Resp:	25875	
Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	155.3	0.0	352.0

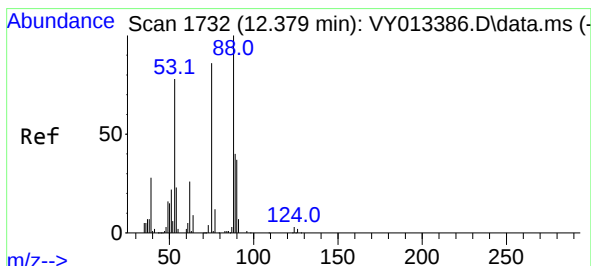
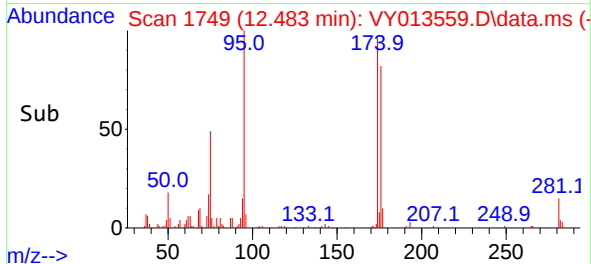
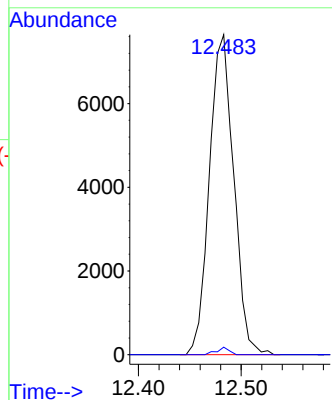
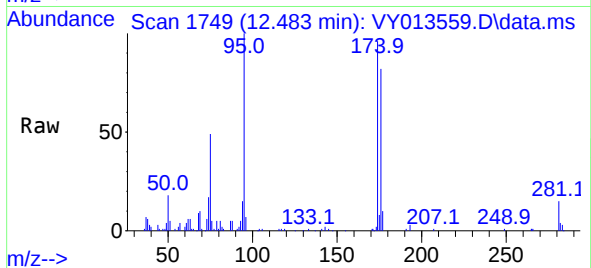




#76
1,2,3-Trichloropropane
Concen: 36.033 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-042823

Tgt Ion: 75 Resp: 12574
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.708 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013559.D
Acq: 02 May 2023 16:10

Tgt Ion: 75 Resp: 12574
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.2 38.0 57.0#

