

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013602.D
 Acq On : 04 May 2023 16:02
 Operator : KP/MD
 Sample : 02607-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HT-1

Quant Time: May 05 01:00:14 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)

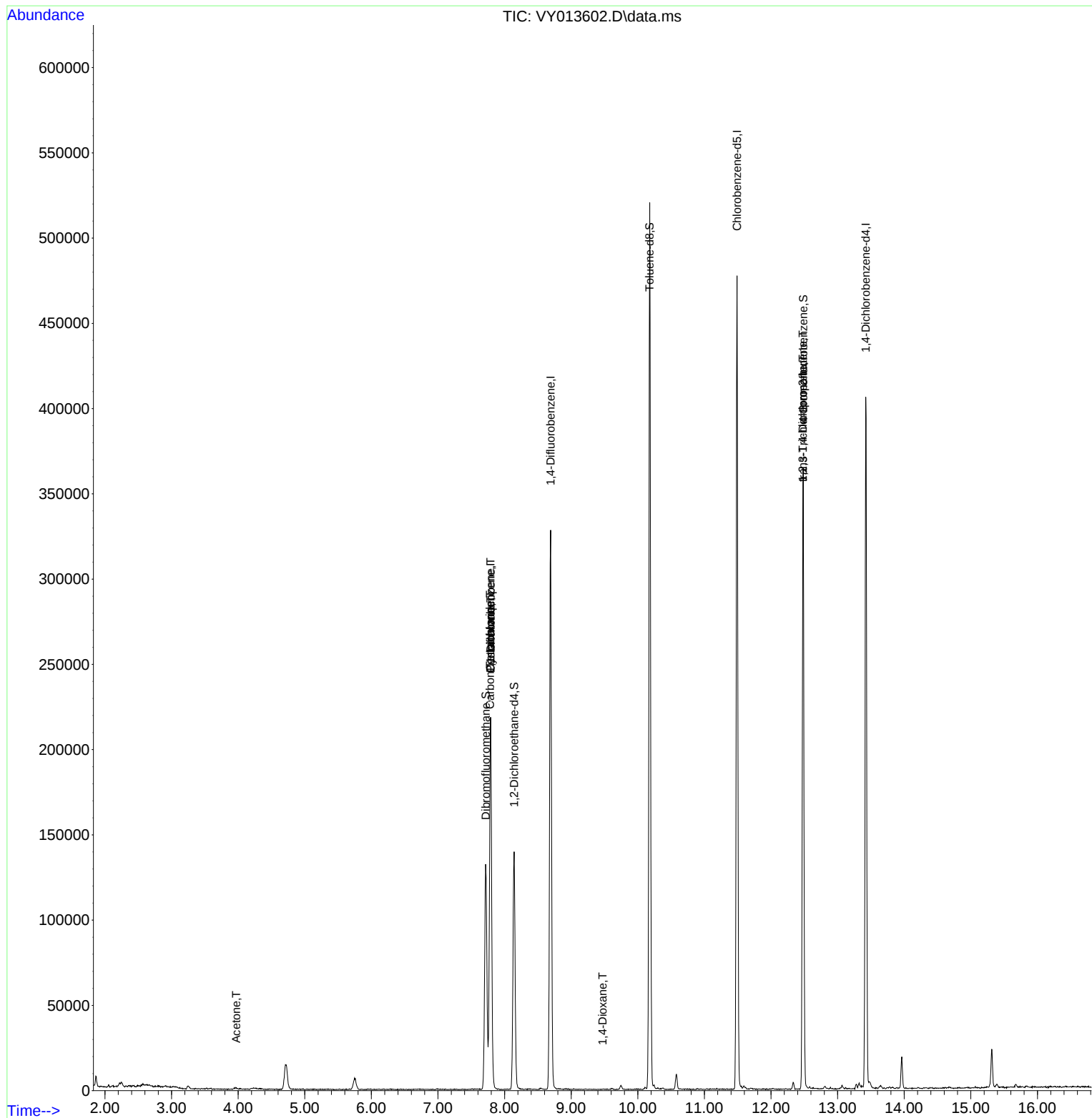
Internal Standards						
1) Pentafluorobenzene	7.789	168	167034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	269597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	108144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	113500	61.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.980%	
35) Dibromofluoromethane	7.716	113	90398	53.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.620%	
50) Toluene-d8	10.179	98	326189	54.076	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.160%	
62) 4-Bromofluorobenzene	12.483	95	99668	49.011	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.020%	
Target Compounds						
					Qvalue	
16) Acetone	3.973	43	1759	2.439	ug/l #	62
20) Methylene Chloride	4.710	84	11147	Below Cal		96
31) Cyclohexane	7.789	56	3715	1.133	ug/l #	12
36) 1,1-Dichloropropene	7.789	75	13023	4.628	ug/l #	48
38) Carbon Tetrachloride	7.783	117	16143	5.473	ug/l #	15
49) 1,4-Dioxane	9.472	88	19	1.073	ug/l #	44
76) 1,2,3-Trichloropropane	12.477	75	52801	36.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	52801	74.056	ug/l #	13

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

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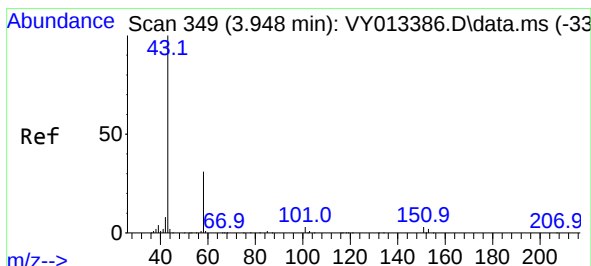
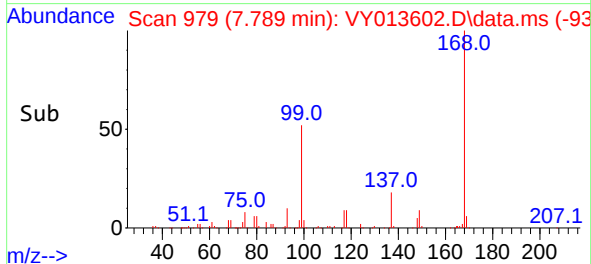
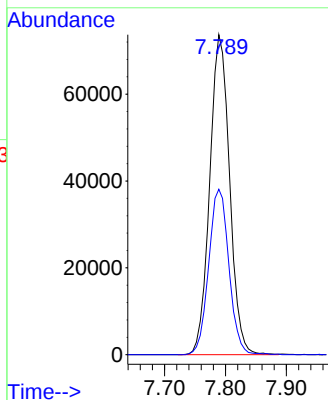
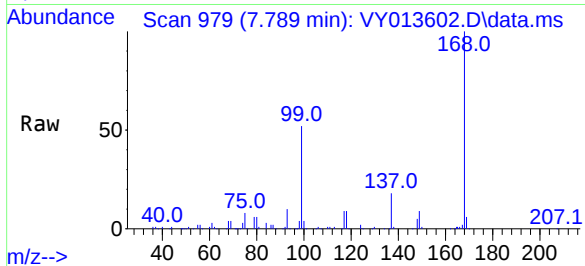




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

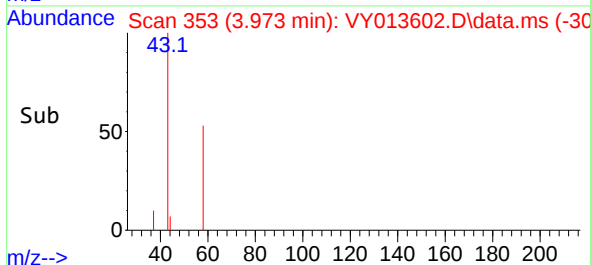
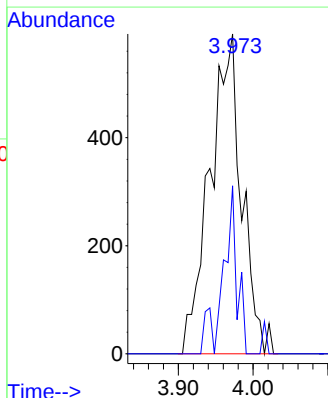
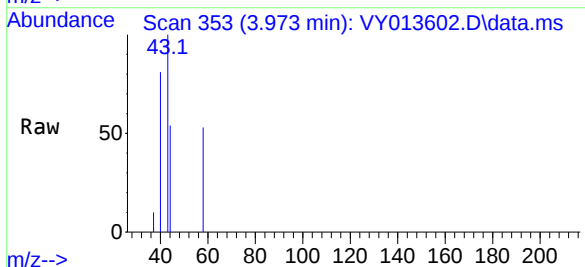
Instrument :
MSVOA_Y
ClientSampleId :
HT-1

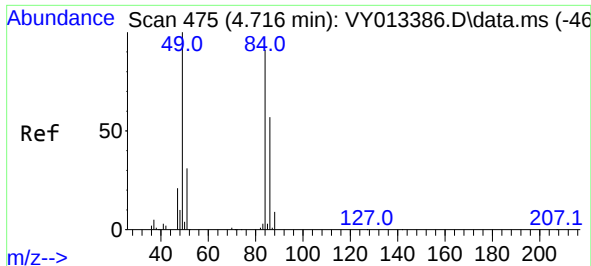
Tgt Ion:168 Resp: 167034
Ion Ratio Lower Upper
168 100
99 51.7 41.8 62.6



#16
Acetone
Concen: 2.439 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.025 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
58 52.5 25.4 38.0#



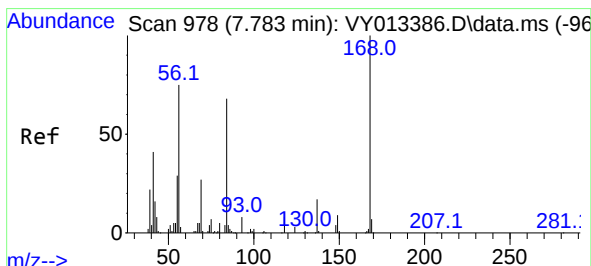
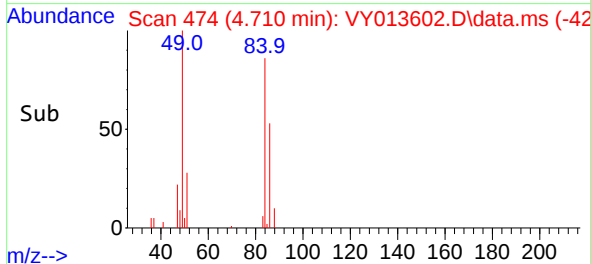
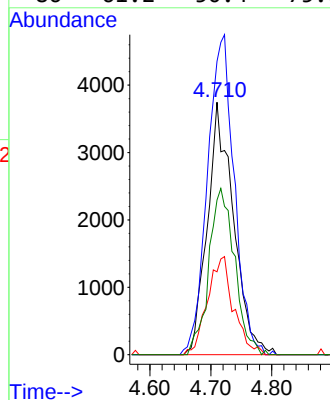
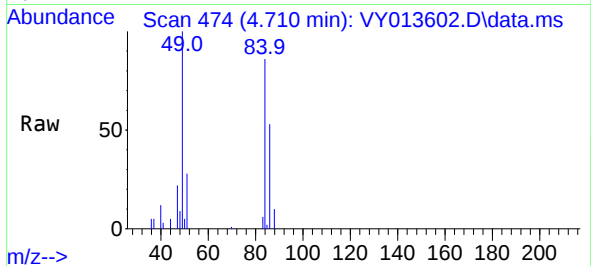


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :
HT-1

Tgt Ion: 84 Resp: 11147

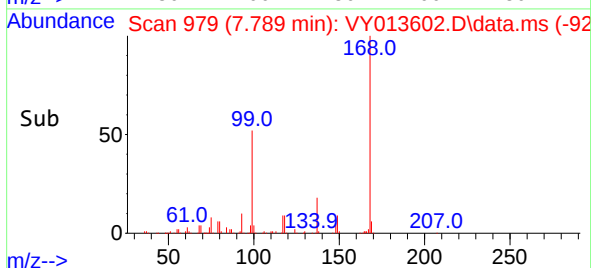
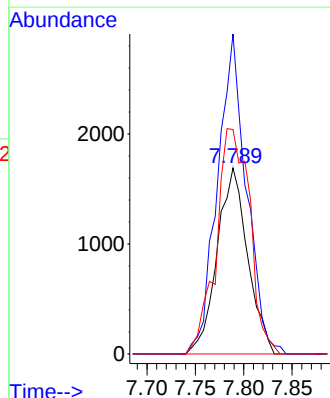
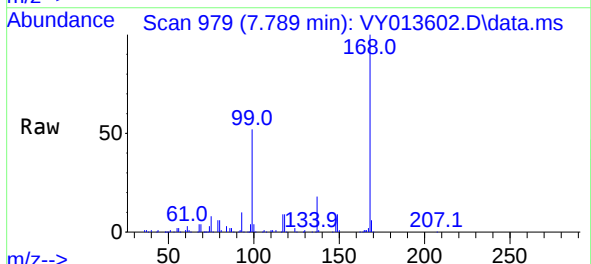
Ion	Ratio	Lower	Upper
84	100		
49	116.1	88.0	132.0
51	32.8	27.4	41.0
86	61.2	50.4	75.6

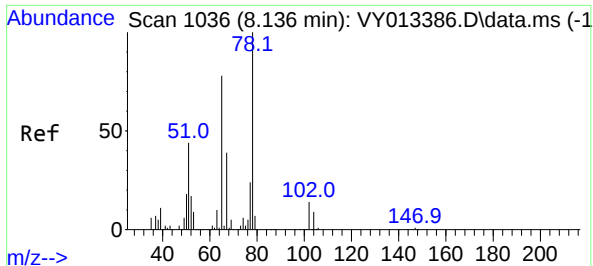


#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion: 56 Resp: 3715

Ion	Ratio	Lower	Upper
56	100		
69	172.1	29.2	43.8#
84	120.8	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 61.986 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY013602.D

Acq: 04 May 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

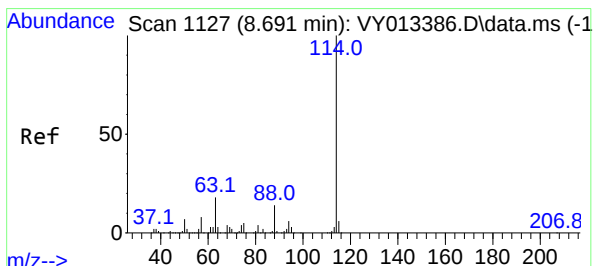
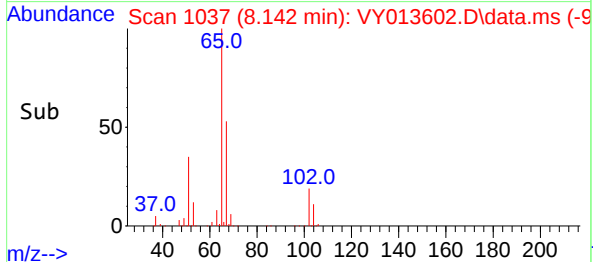
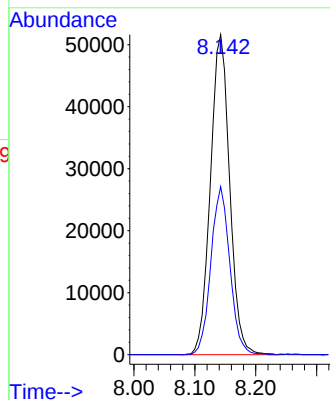
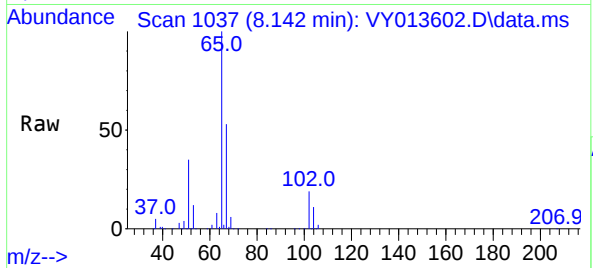
HT-1

Tgt Ion: 65 Resp: 113500

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: VY013602.D

Acq: 04 May 2023 16:02

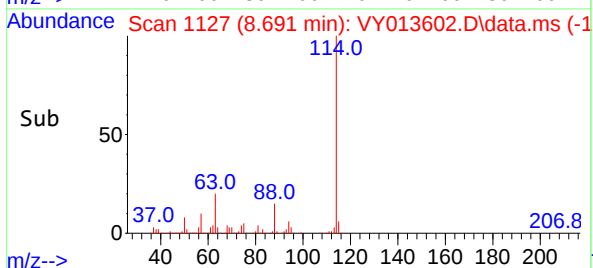
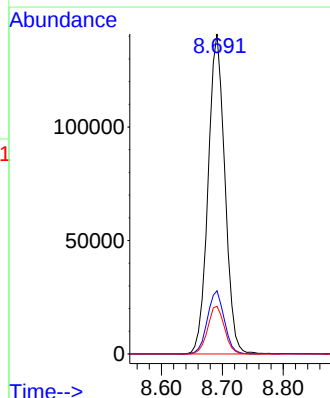
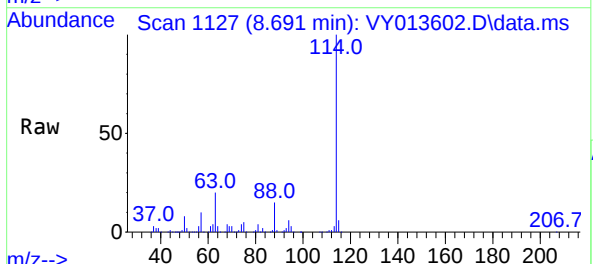
Tgt Ion: 114 Resp: 269597

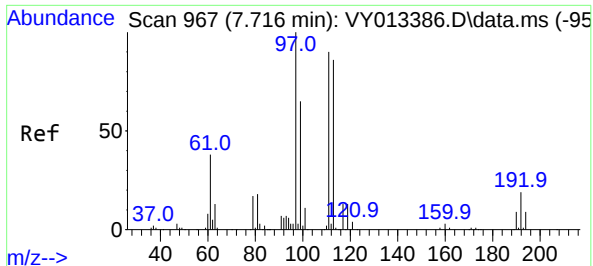
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.9 0.0 28.8

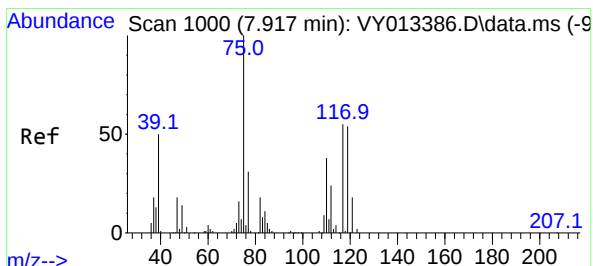
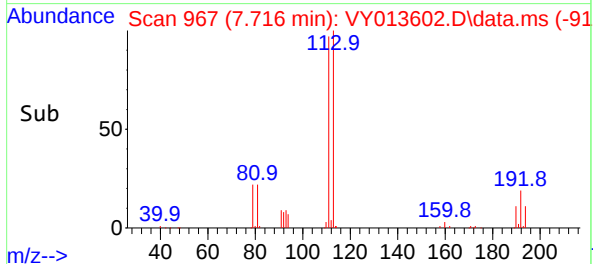
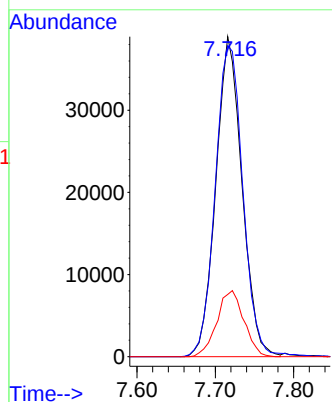
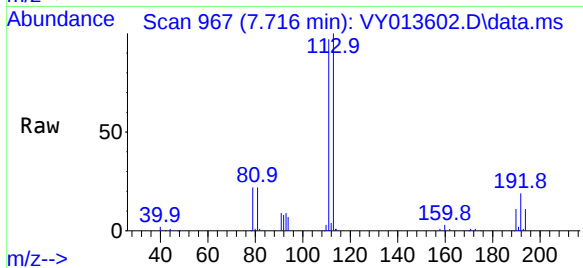




#35
Dibromofluoromethane
Concen: 53.312 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

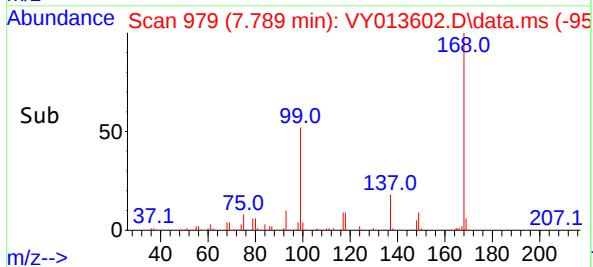
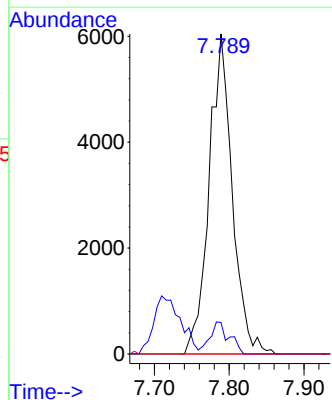
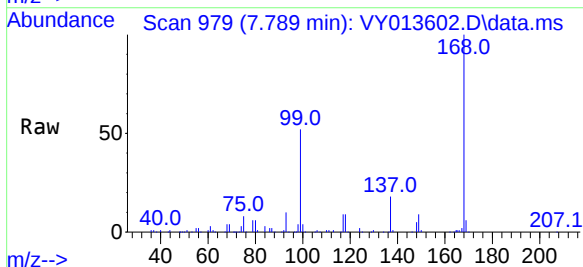
Instrument :
MSVOA_Y
ClientSampleId :
HT-1

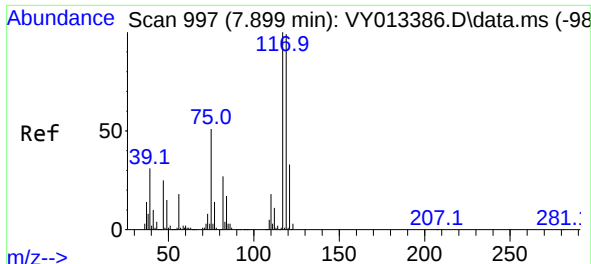
Tgt Ion:113 Resp: 90398
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.628 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion: 75 Resp: 13023
Ion Ratio Lower Upper
75 100
110 8.3 18.7 56.1#
77 0.0 24.6 37.0#

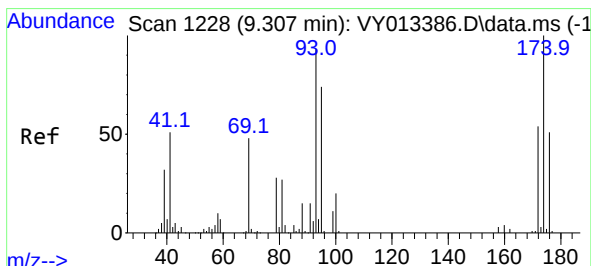
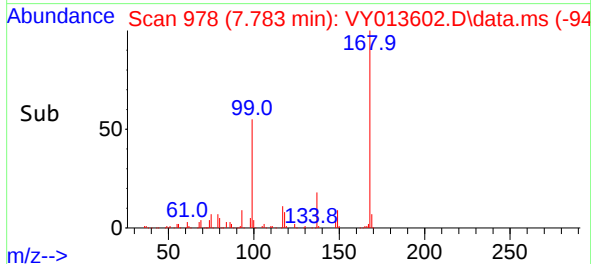
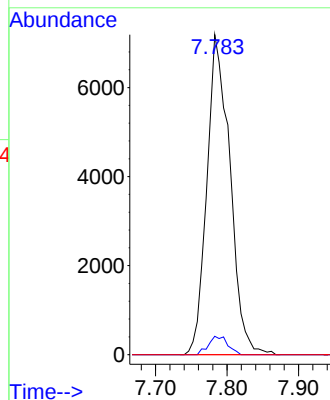
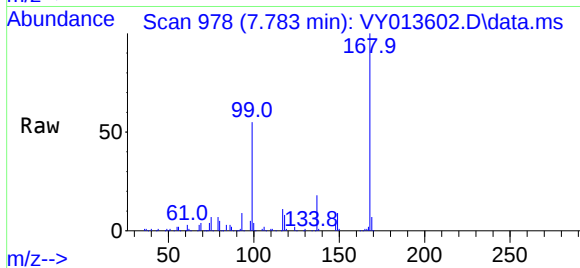




#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

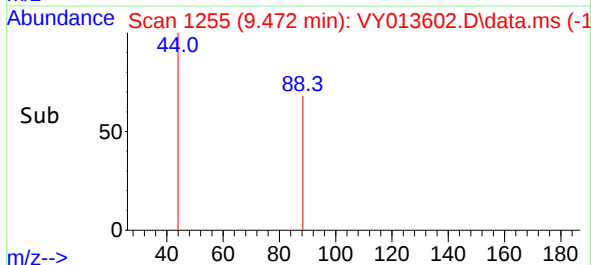
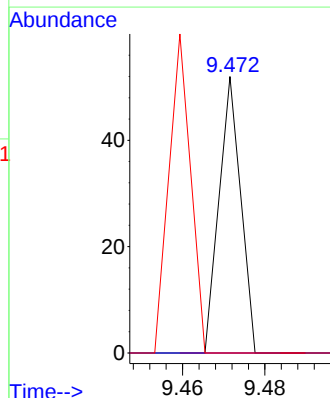
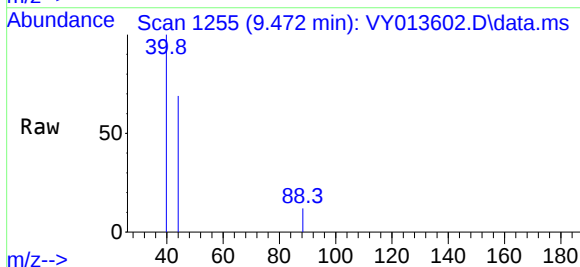
Instrument :
MSVOA_Y
ClientSampleId :
HT-1

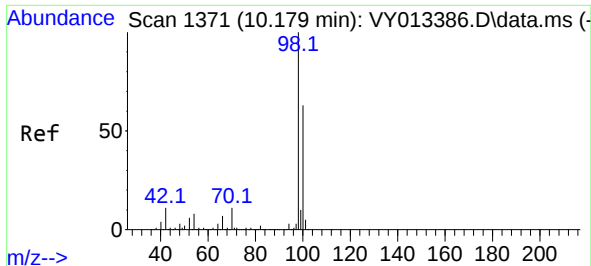
Tgt Ion:117 Resp: 16143
Ion Ratio Lower Upper
117 100
119 5.8 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 1.073 ug/l
RT: 9.472 min Scan# 1255
Delta R.T. 0.165 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 115.8 54.3 81.5#

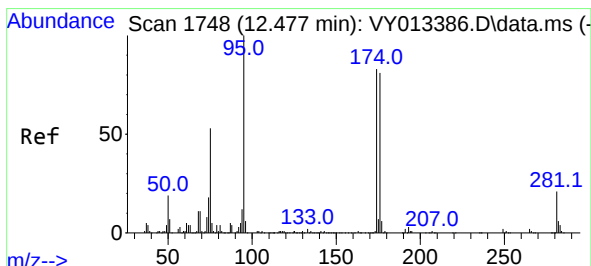
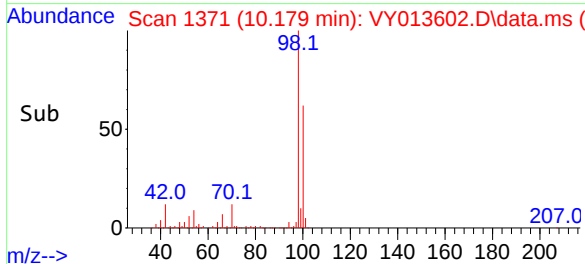
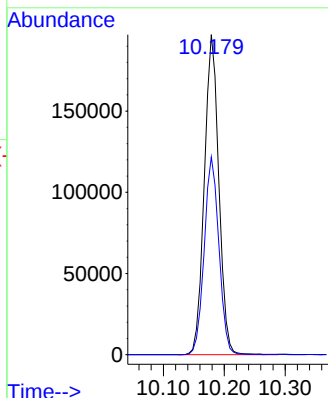
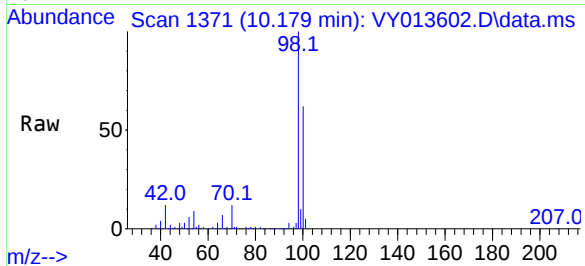




#50
Toluene-d8
Concen: 54.076 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

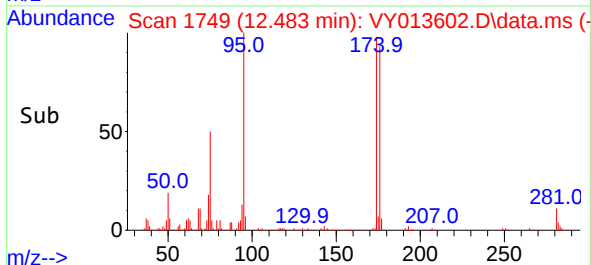
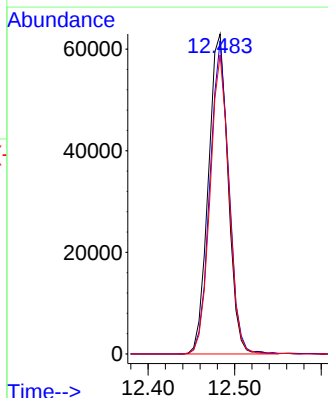
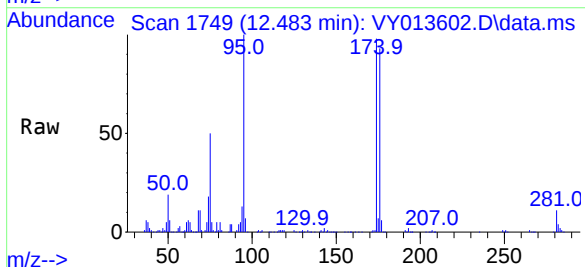
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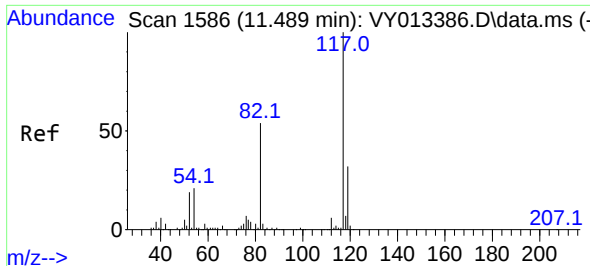
Tgt Ion: 98 Resp: 326189
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 49.011 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion: 95 Resp: 99668
Ion Ratio Lower Upper
95 100
174 93.9 0.0 182.0
176 89.7 0.0 175.4

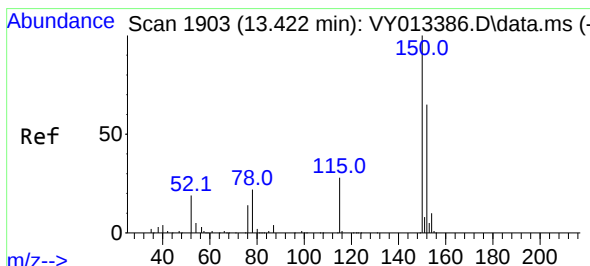
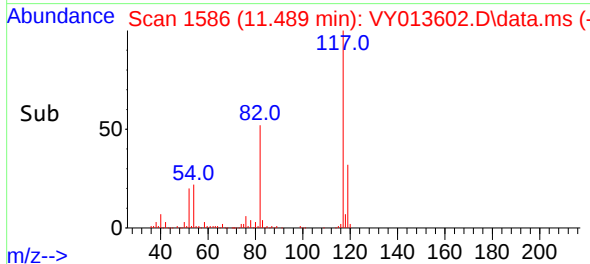
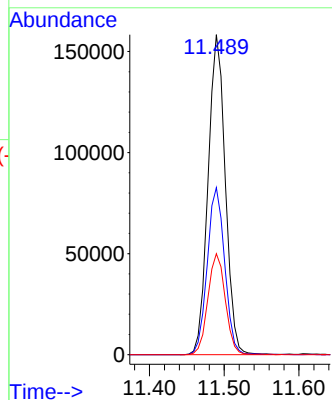
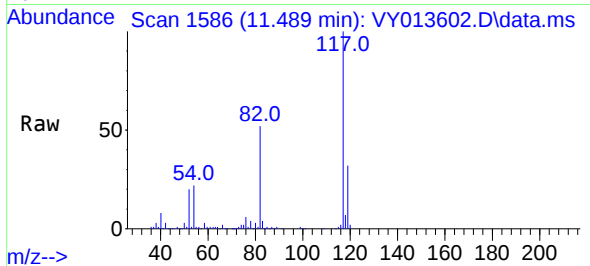




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

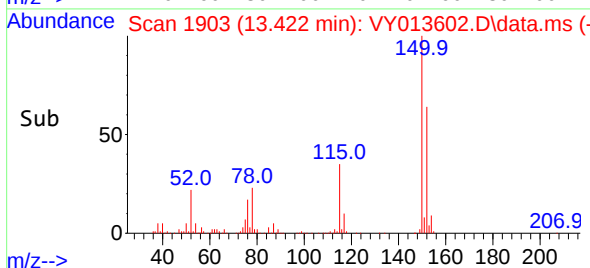
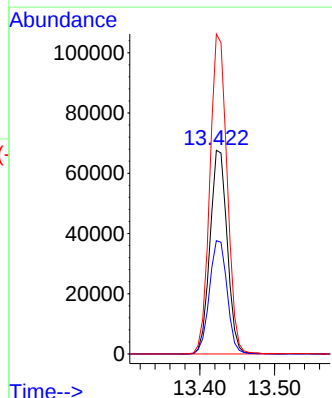
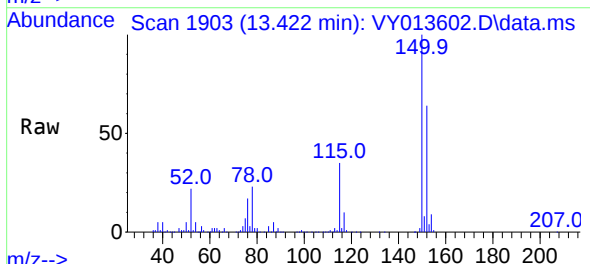
Instrument :
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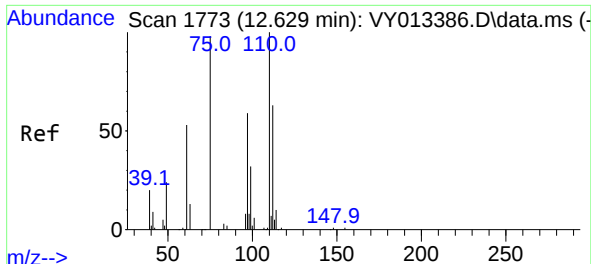
Tgt Ion:117 Resp: 254024
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.6
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion:152 Resp: 108144
Ion Ratio Lower Upper
152 100
115 57.2 28.1 84.2
150 157.1 0.0 352.0

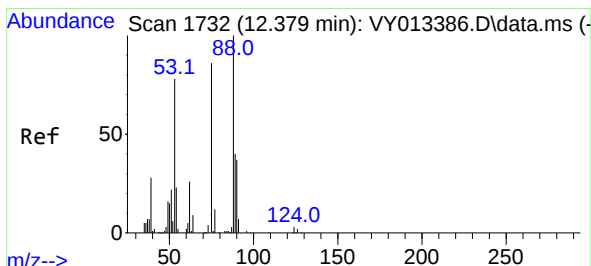
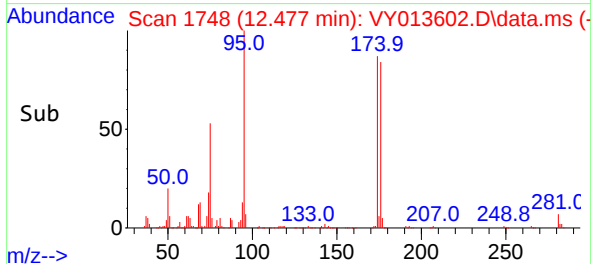
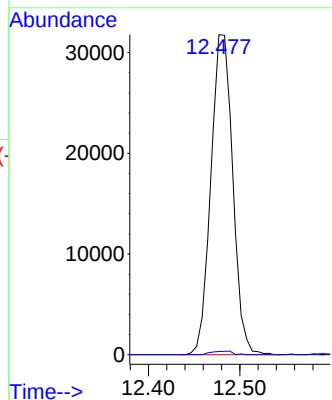
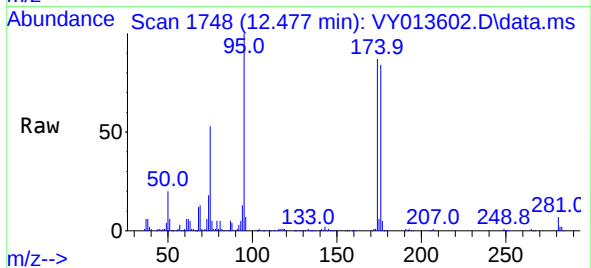




#76
1,2,3-Trichloropropane
Concen: 36.203 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :
HT-1

Tgt Ion: 75 Resp: 52801
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.056 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013602.D
Acq: 04 May 2023 16:02

Tgt Ion: 75 Resp: 52801
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.1 38.0 57.0#

