

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013538.D
 Acq On : 01 May 2023 14:39
 Operator : KP/MD
 Sample : 02562-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-04282023

Quant Time: May 01 22:48:42 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)

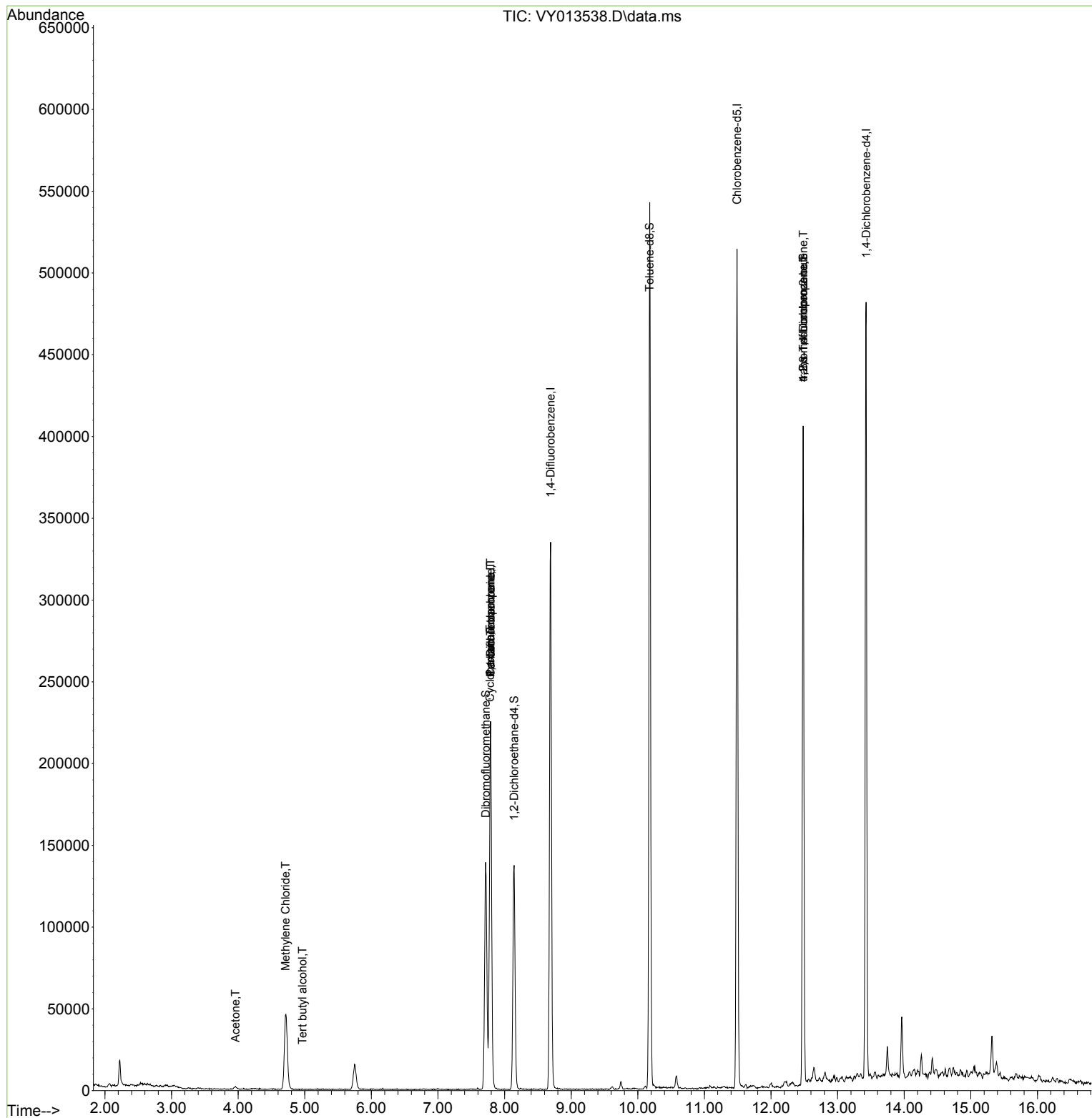
Internal Standards						
1) Pentafluorobenzene	7.789	168	173430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	268260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113521	59.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.420%			
35) Dibromofluoromethane	7.716	113	96096	54.263	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.520%			
50) Toluene-d8	10.179	98	342641	54.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.780%			
62) 4-Bromofluorobenzene	12.483	95	111169	52.343	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.680%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	84	1.041	ug/l #	89
16) Acetone	3.960	43	3259	4.353	ug/l	92
20) Methylene Chloride	4.710	84	34331	7.811	ug/l #	85
31) Cyclohexane	7.783	56	4207	1.236	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	13455	4.578	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16737	5.433	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	58897	35.564	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58897	72.748	ug/l #	13

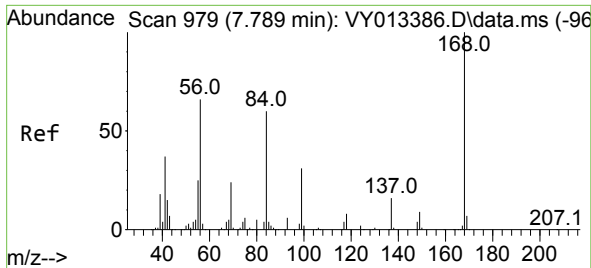
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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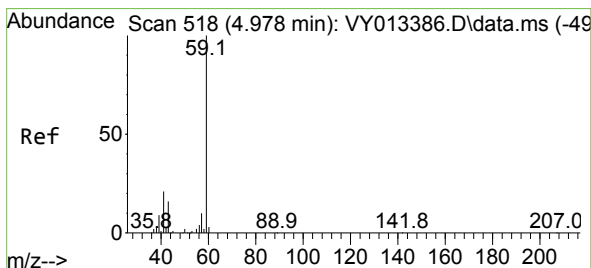
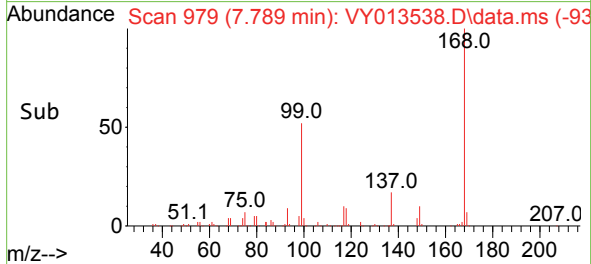
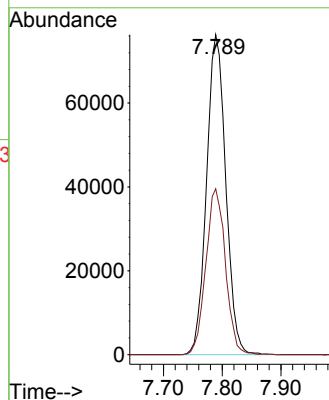
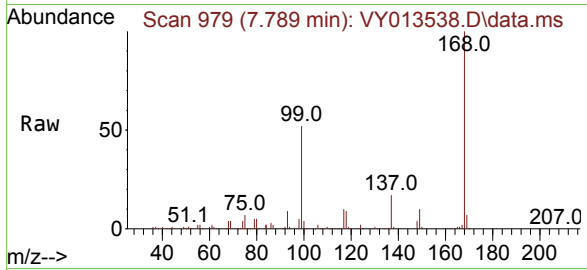




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

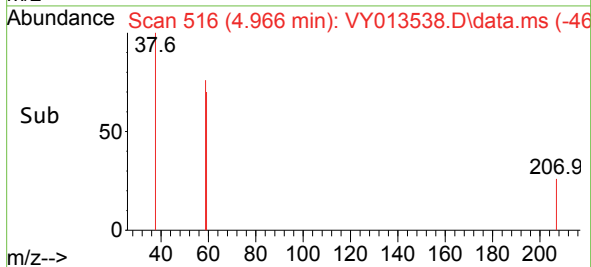
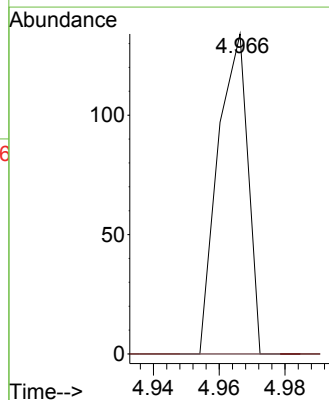
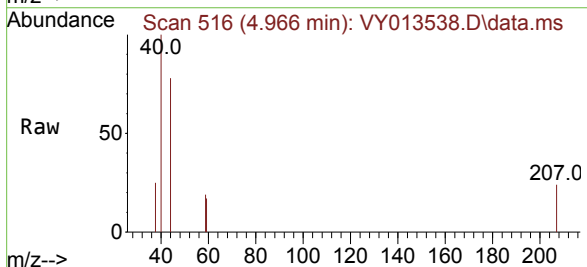
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-04282023

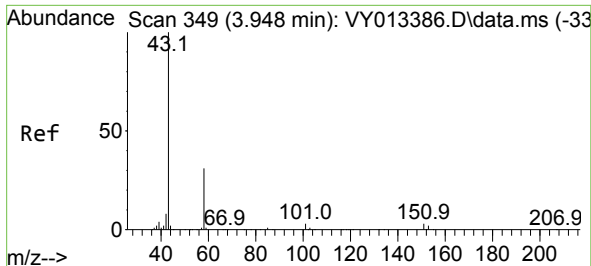
Tgt Ion:168 Resp: 173430
Ion Ratio Lower Upper
168 100
99 51.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.041 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 4.353 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY013538.D

Acq: 01 May 2023 14:39

Instrument :

MSVOA_Y

ClientSampleId :

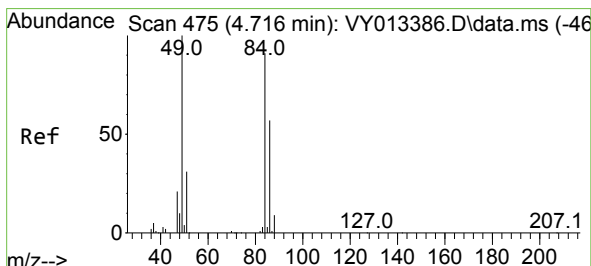
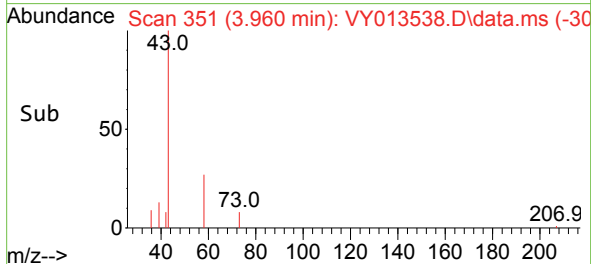
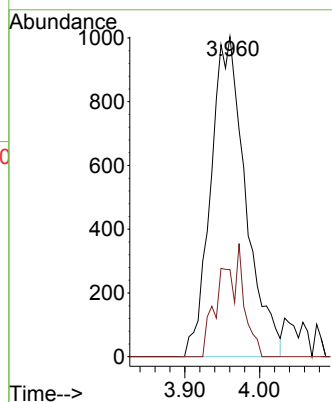
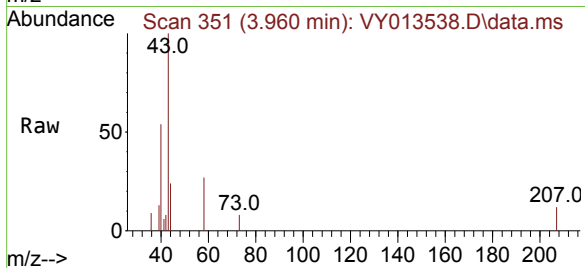
OR-02-04282023

Tgt Ion: 43 Resp: 3259

Ion Ratio Lower Upper

43 100

58 27.2 25.4 38.0



#20

Methylene Chloride

Concen: 7.811 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013538.D

Acq: 01 May 2023 14:39

Tgt Ion: 84 Resp: 34331

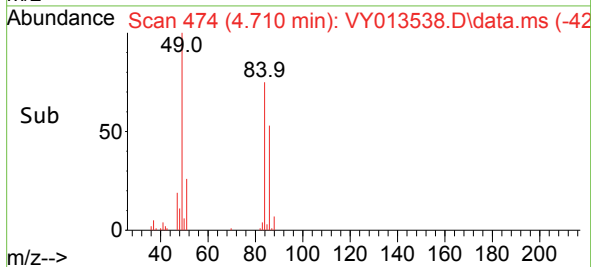
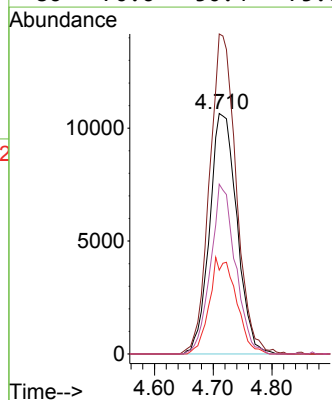
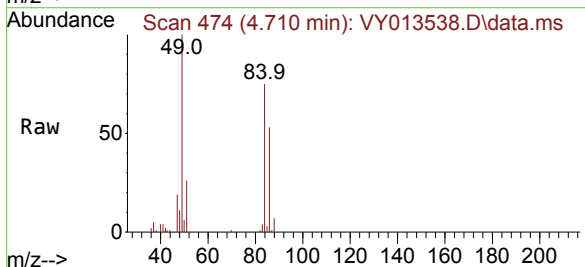
Ion Ratio Lower Upper

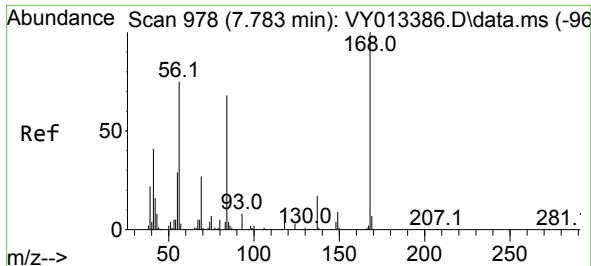
84 100

49 133.0 88.0 132.0#

51 34.9 27.4 41.0

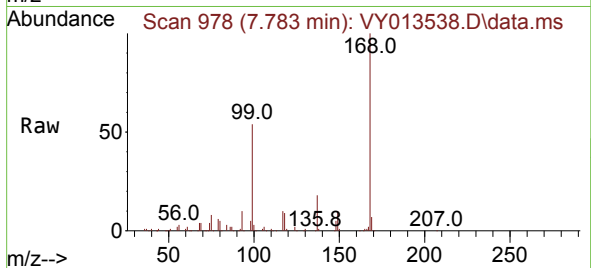
86 70.6 50.4 75.6



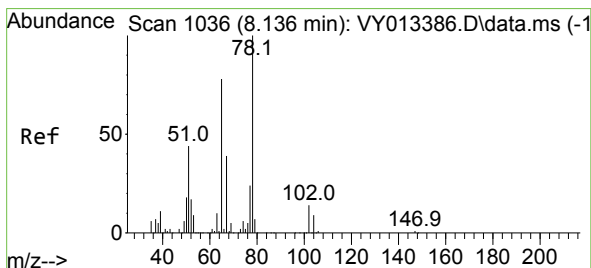
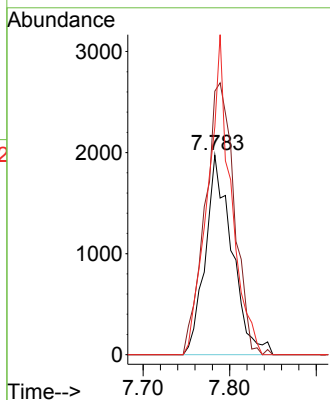
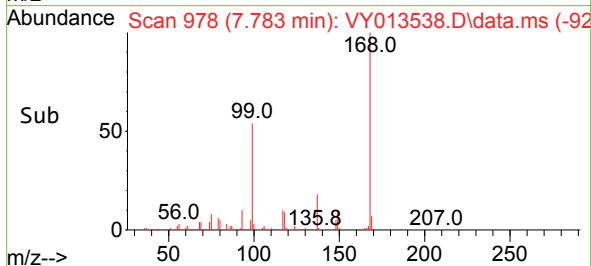


#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

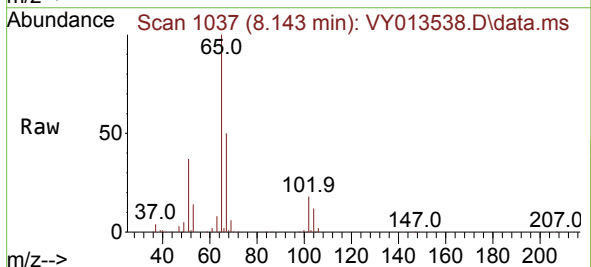
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-04282023



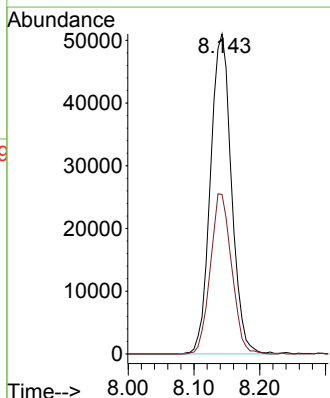
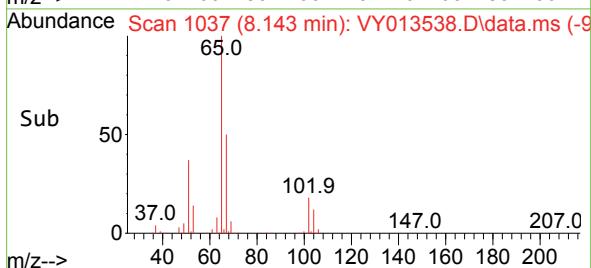
Tgt Ion: 56 Resp: 4207
Ion Ratio Lower Upper
56 100
69 132.1 29.2 43.8#
84 114.2 73.0 109.6#

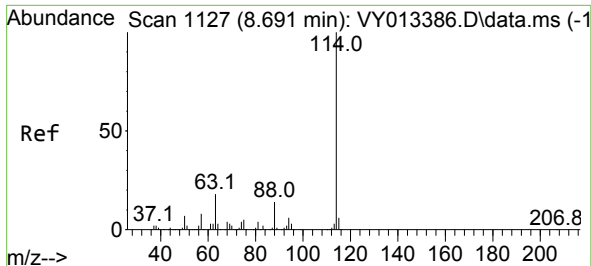


#33
1,2-Dichloroethane-d4
Concen: 59.711 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39



Tgt Ion: 65 Resp: 113521
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.4

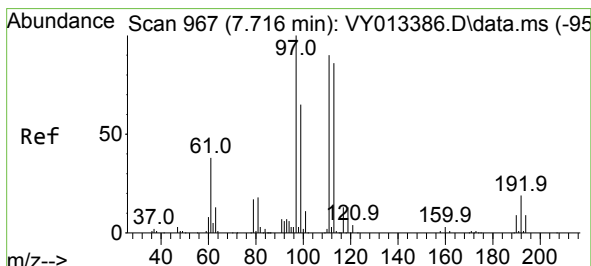
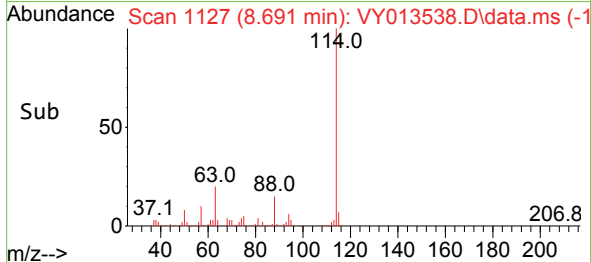
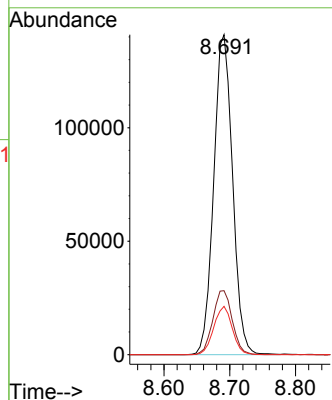
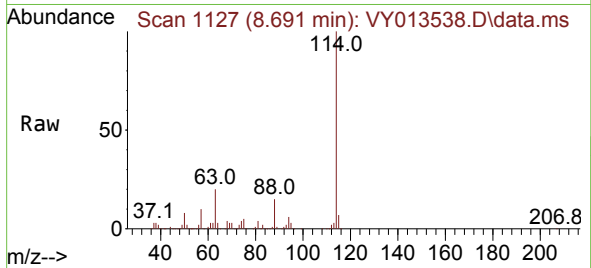




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

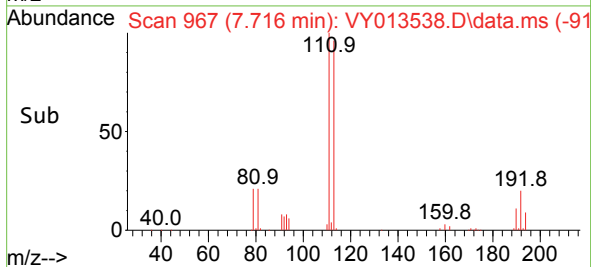
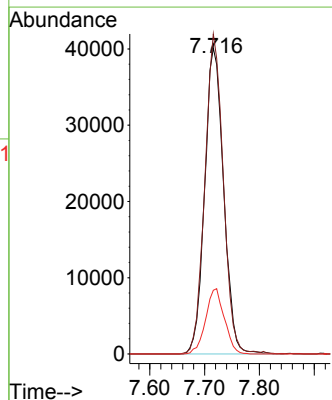
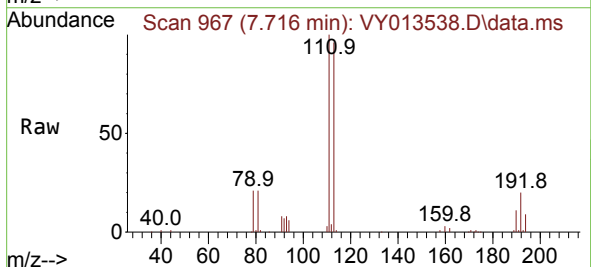
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-04282023

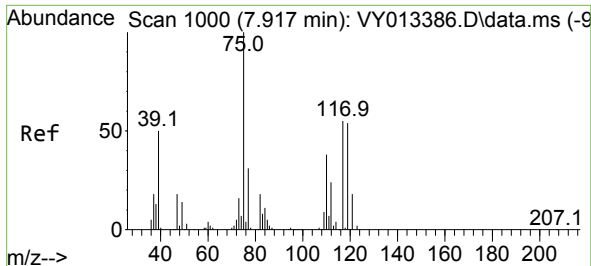
Tgt Ion:114 Resp: 281569
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.6
88 15.1 0.0 28.8



#35
Dibromofluoromethane
Concen: 54.263 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Tgt Ion:113 Resp: 96096
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.1 16.7 25.1

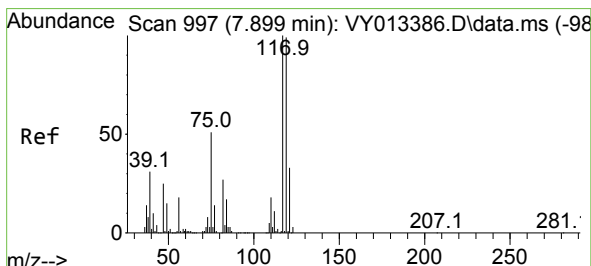
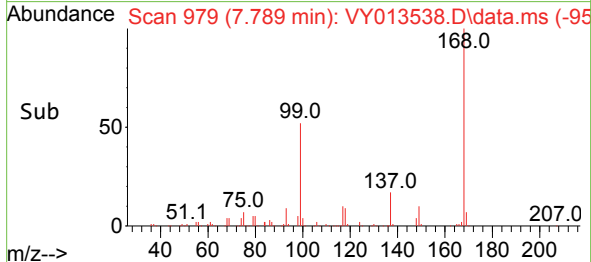
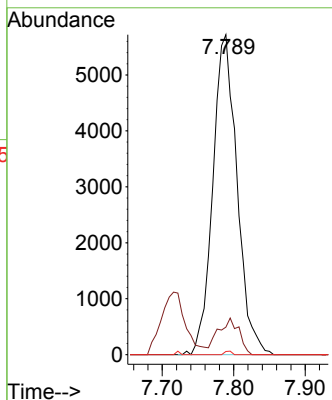
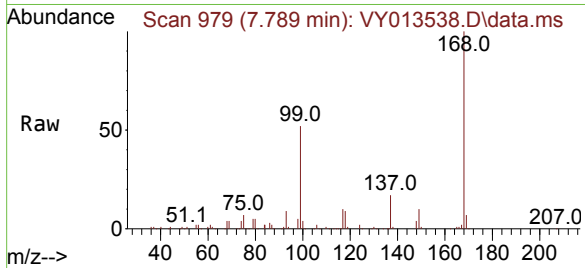




#36
1,1-Dichloropropene
Concen: 4.578 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

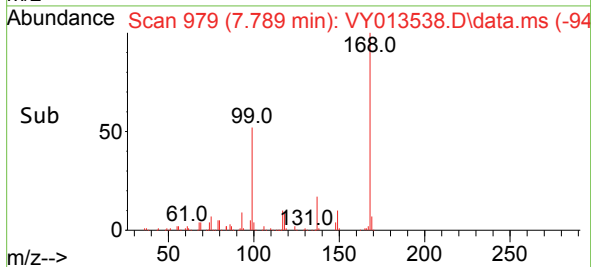
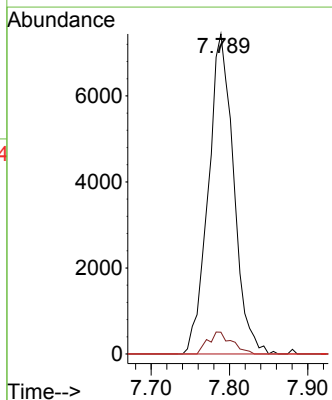
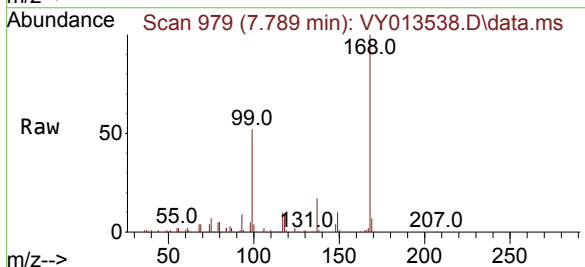
Instrument :
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ClientSampleId :
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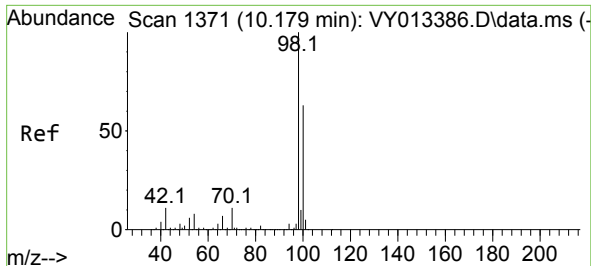
Tgt Ion: 75 Resp: 13455
Ion Ratio Lower Upper
75 100
110 9.7 18.7 56.1#
77 0.3 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.433 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Tgt Ion: 117 Resp: 16737
Ion Ratio Lower Upper
117 100
119 6.8 79.0 118.6#
121 0.0 26.6 40.0#

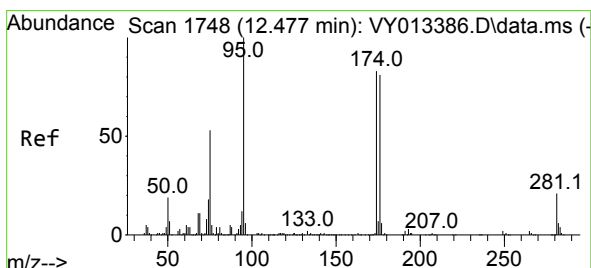
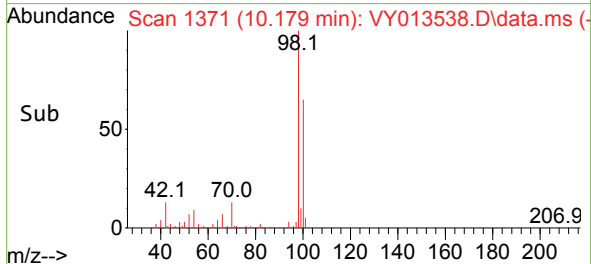
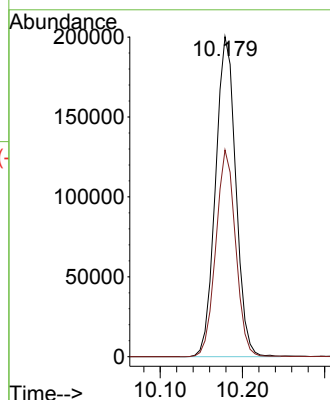
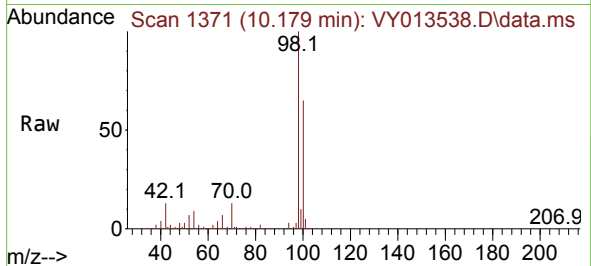




#50
Toluene-d8
Concen: 54.388 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

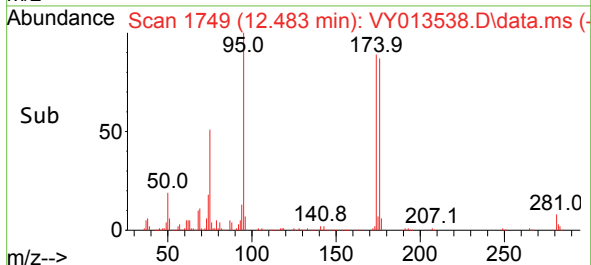
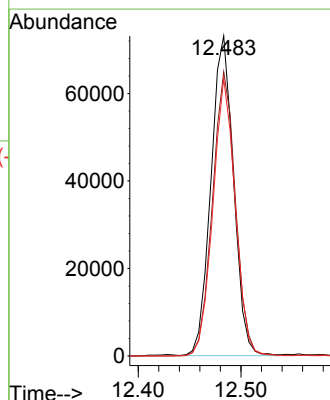
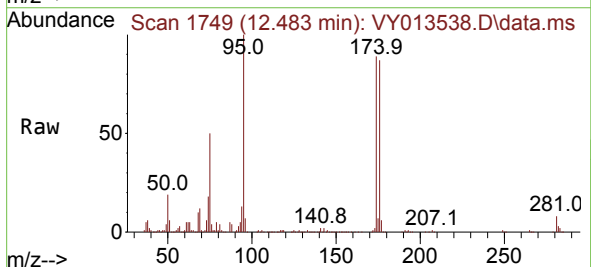
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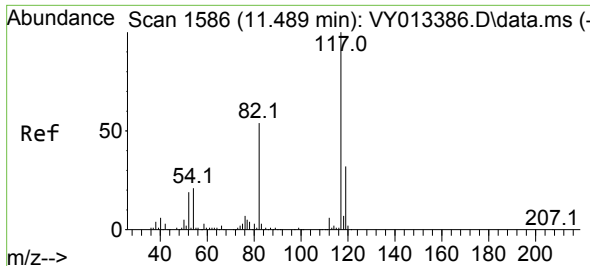
Tgt Ion: 98 Resp: 342641
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.343 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Tgt Ion: 95 Resp: 111169
Ion Ratio Lower Upper
95 100
174 90.5 0.0 182.0
176 86.0 0.0 175.4

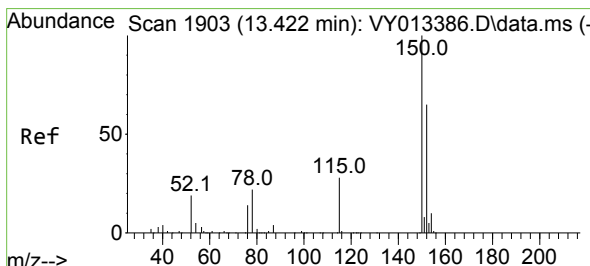
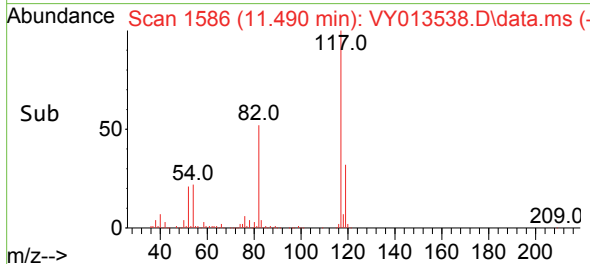
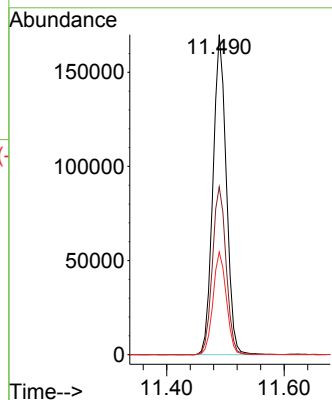
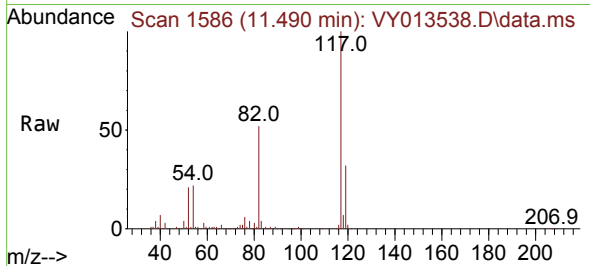




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

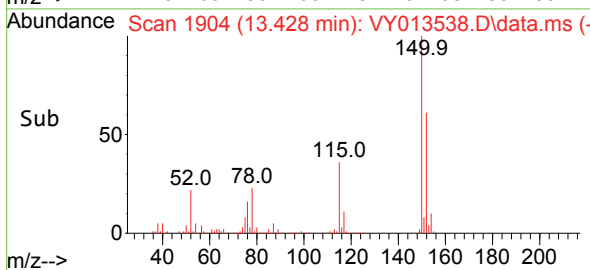
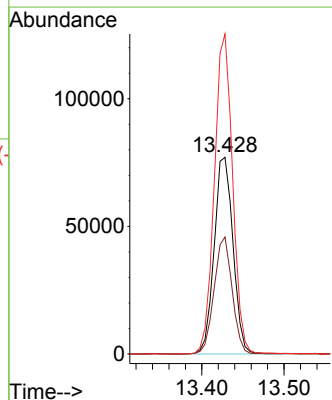
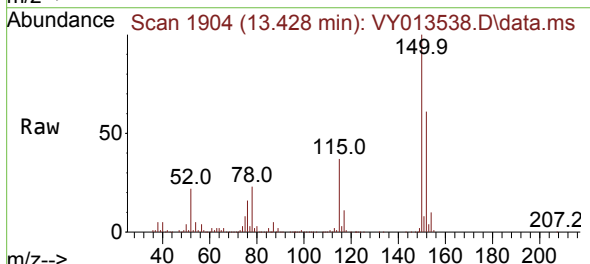
Instrument :
MSVOA_Y
ClientSampleId :
OR-02-04282023

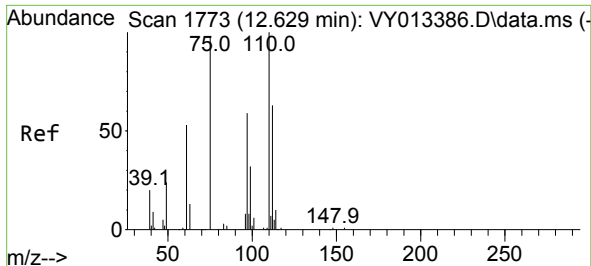
Tgt Ion:117 Resp: 268260
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.6
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Tgt Ion:152 Resp: 122798
Ion Ratio Lower Upper
152 100
115 57.0 28.1 84.2
150 157.7 0.0 352.0

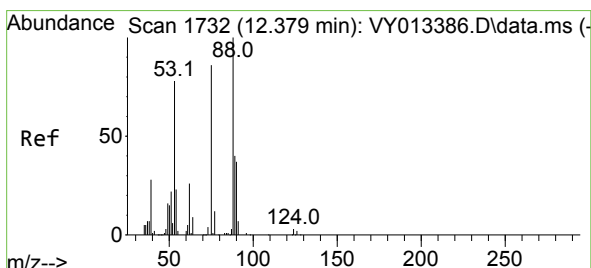
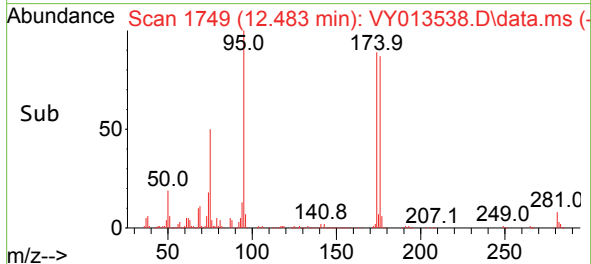
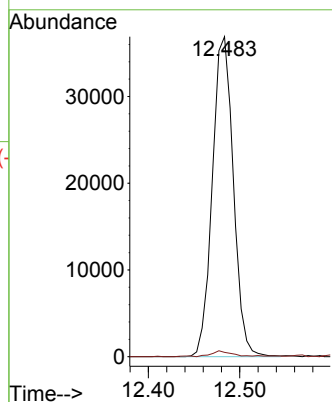
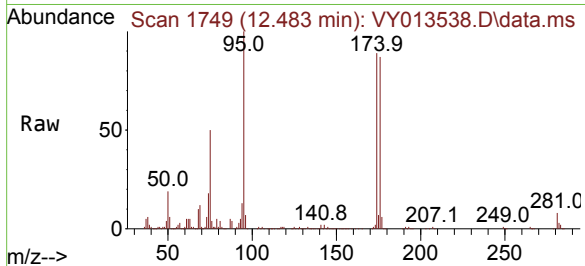




#76
1,2,3-Trichloropropane
Concen: 35.564 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Instrument :
MSVOA_Y
ClientSampleId :
OR-02-04282023

Tgt Ion: 75 Resp: 58897
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013538.D
Acq: 01 May 2023 14:39

Tgt Ion: 75 Resp: 58897
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.1 38.0 57.0#

