

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020223\
 Data File : VY012458.D
 Acq On : 02 Feb 2023 16:14
 Operator : KP/MD
 Sample : 01382-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-013123

Quant Time: Feb 03 03:12:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

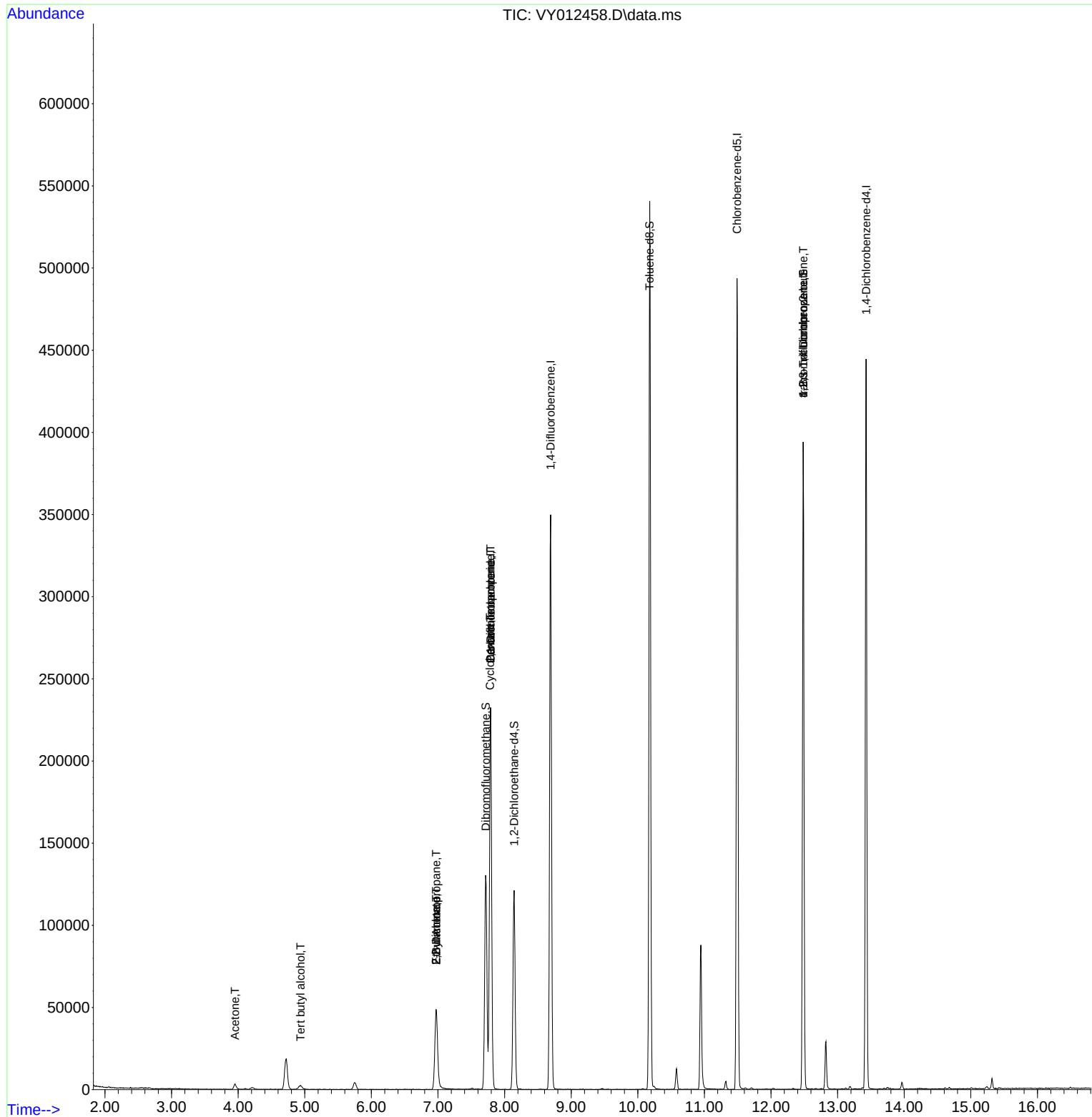
Internal Standards						
1) Pentafluorobenzene	7.789	168	184182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	307993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	99912	66.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.520%			
35) Dibromofluoromethane	7.716	113	91445	56.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.140%			
50) Toluene-d8	10.179	98	361949	65.389	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 130.780%			
62) 4-Bromofluorobenzene	12.483	95	112267	48.834	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2885	3.799	ug/l #	74
16) Acetone	3.954	43	5580	10.880	ug/l	97
20) Methylene Chloride	4.722	84	15318	Below Cal		90
25) 2-Butanone	6.972	43	2148	3.794	ug/l	91
26) 2,2-Dichloropropane	6.972	77	3624	1.154	ug/l #	53
31) Cyclohexane	7.783	56	3143	1.170	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	12751	4.601	ug/l #	50
37) Ethyl Acetate	6.972	43	2148	1.758	ug/l #	1
38) Carbon Tetrachloride	7.789	117	18548	5.182	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	59451	53.840	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59451	110.934	ug/l #	13

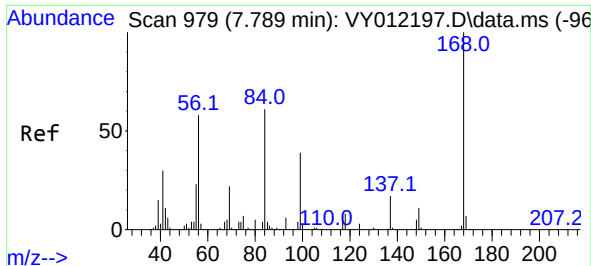
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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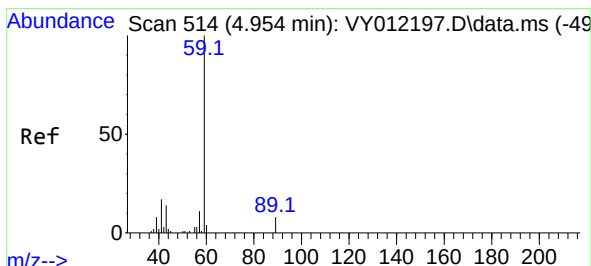
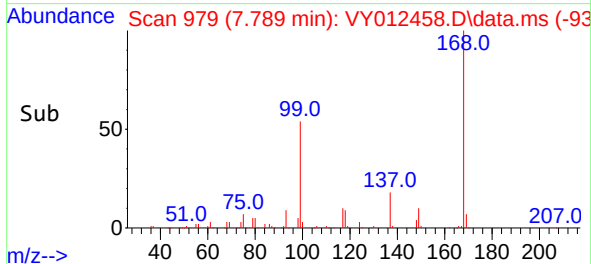
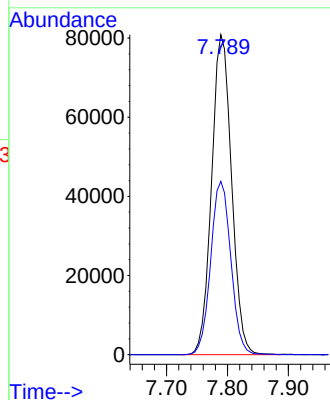
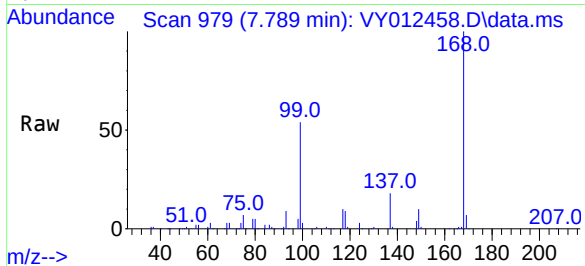




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

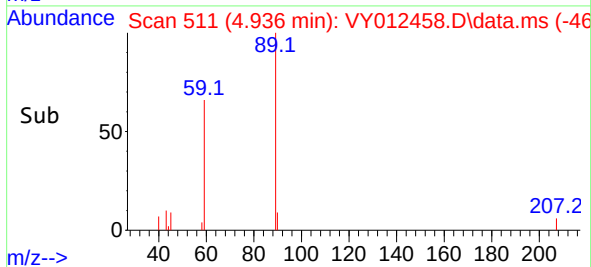
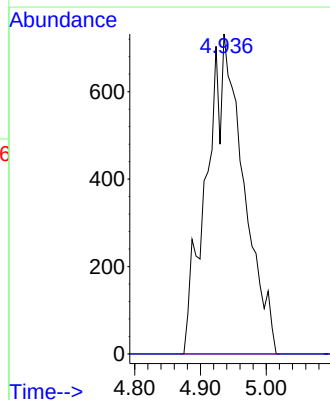
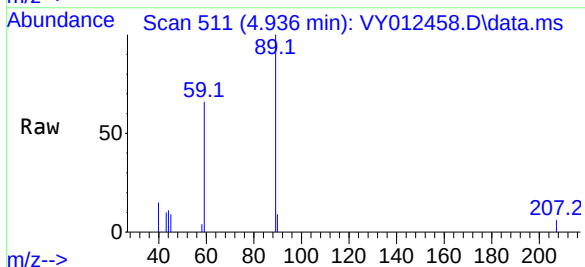
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

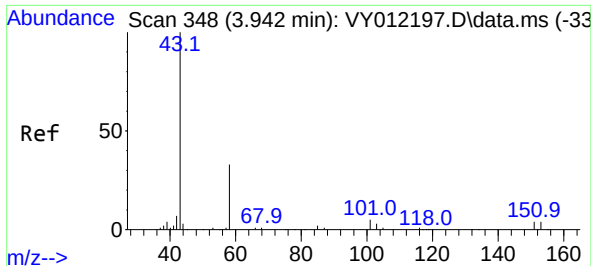
Tgt Ion:168 Resp: 184182
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 3.799 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion: 59 Resp: 2885
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

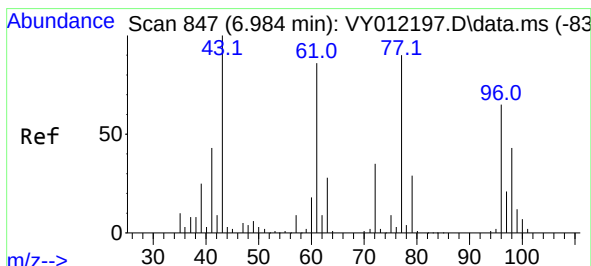
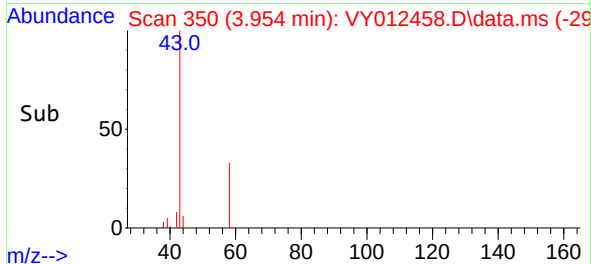
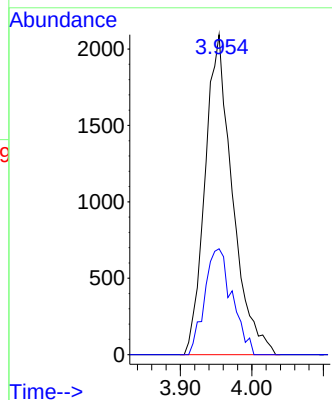
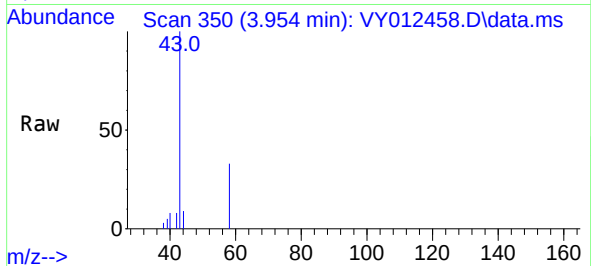




#16
Acetone
Concen: 10.880 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

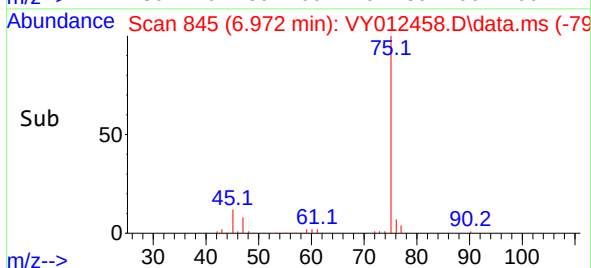
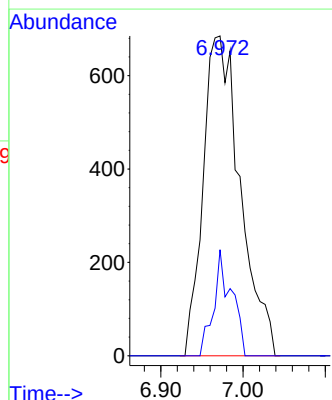
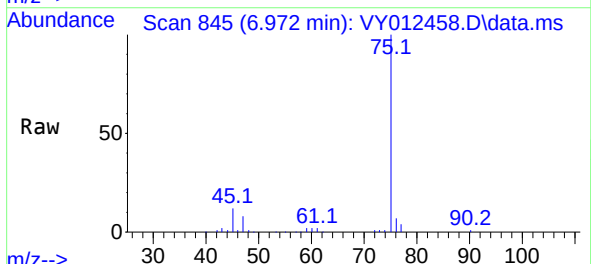
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

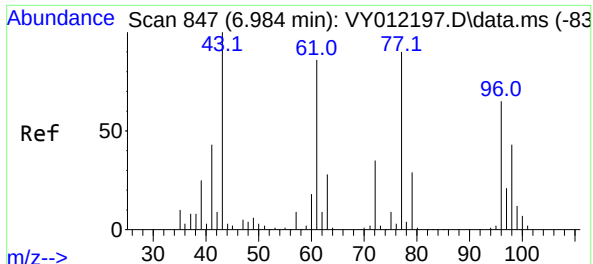
Tgt Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
58 33.1 27.9 41.9



#25
2-Butanone
Concen: 3.794 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
72 33.1 22.6 34.0





#26

2,2-Dichloropropane

Concen: 1.154 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012458.D

Acq: 02 Feb 2023 16:14

Instrument :

MSVOA_Y

ClientSampleId :

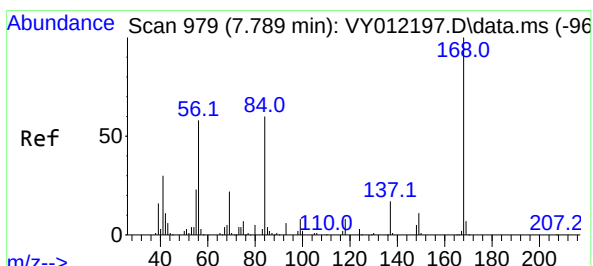
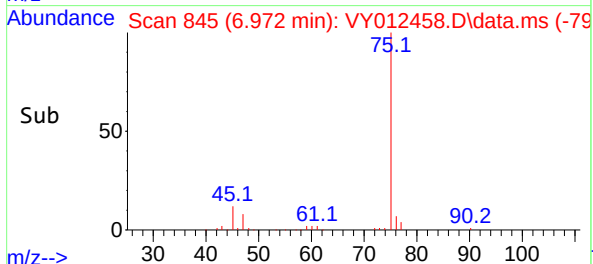
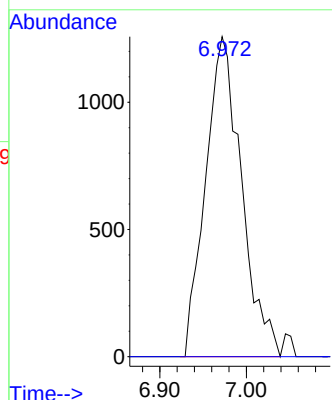
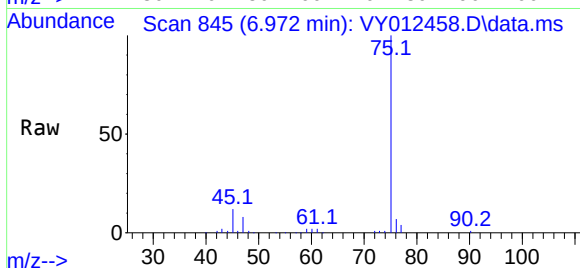
OR-3-013123

Tgt Ion: 77 Resp: 3624

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012458.D

Acq: 02 Feb 2023 16:14

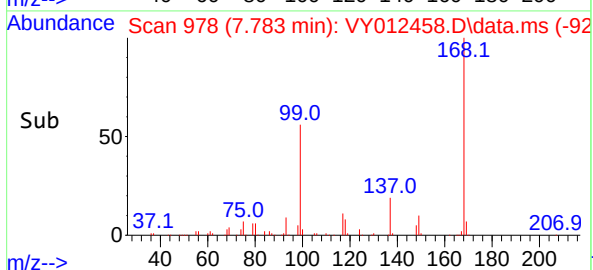
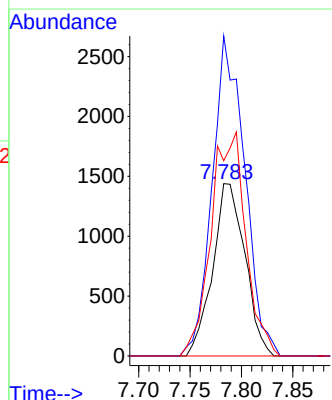
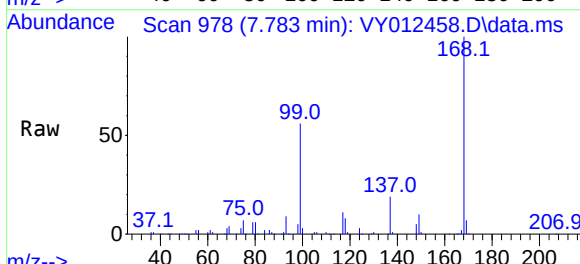
Tgt Ion: 56 Resp: 3143

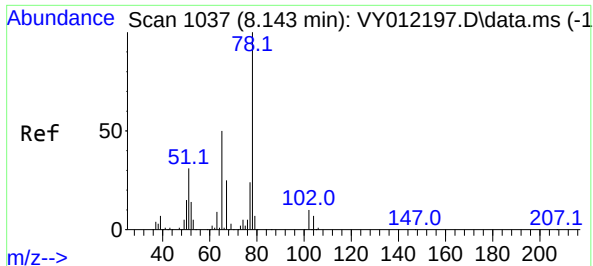
Ion Ratio Lower Upper

56 100

69 185.7 29.2 43.8#

84 113.3 72.6 108.8#

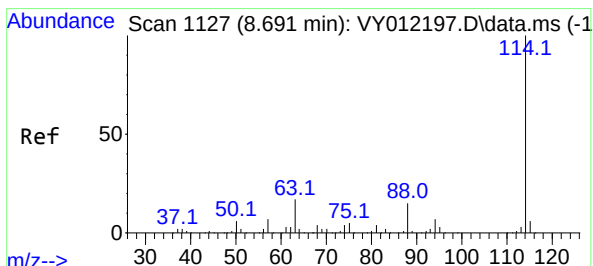
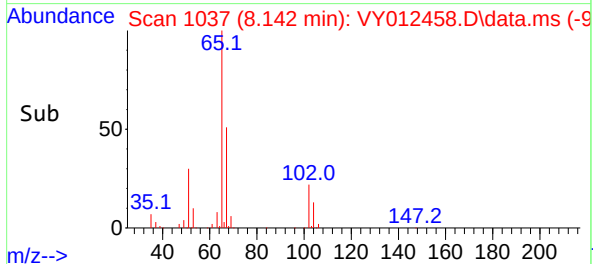
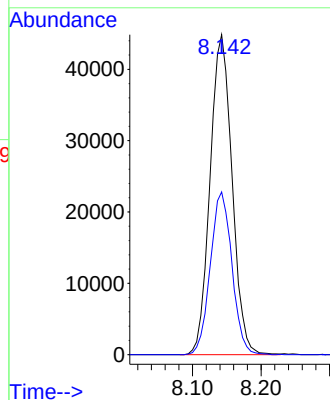
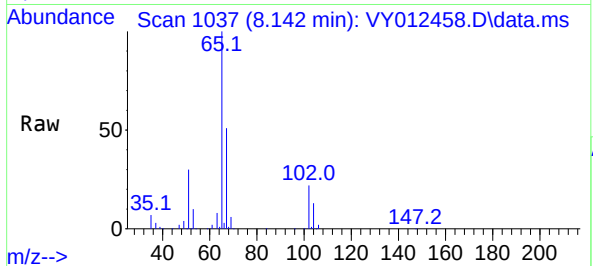




#33
1,2-Dichloroethane-d4
Concen: 66.763 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

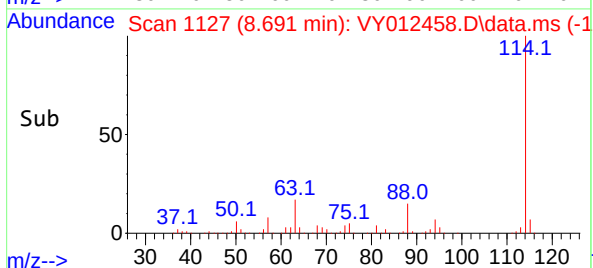
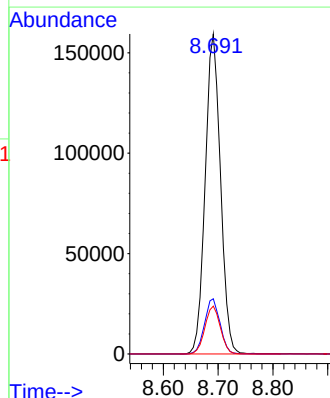
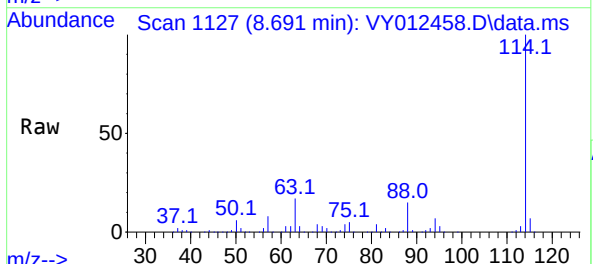
Instrument :
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OR-3-013123

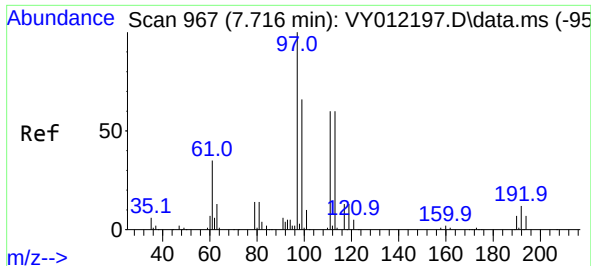
Tgt Ion: 65 Resp: 99912
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion: 114 Resp: 307993
Ion Ratio Lower Upper
114 100
63 17.3 0.0 39.6
88 15.0 0.0 32.2

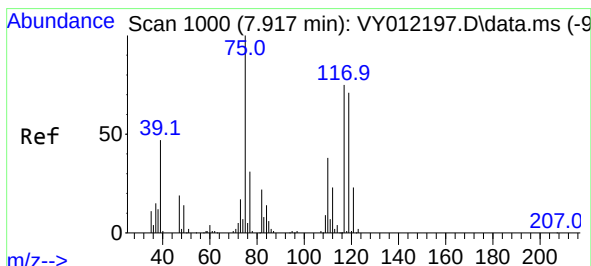
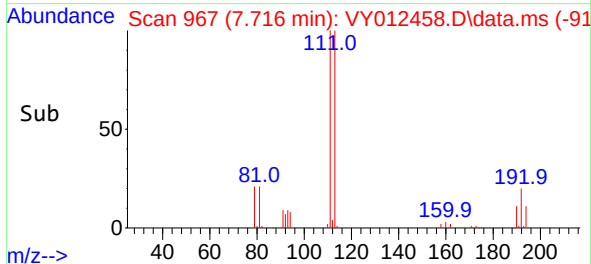
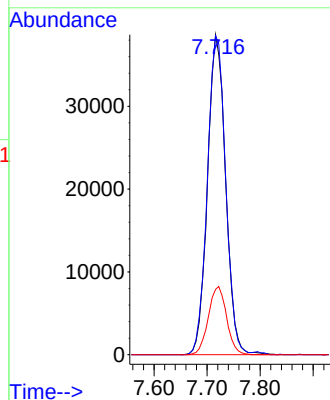
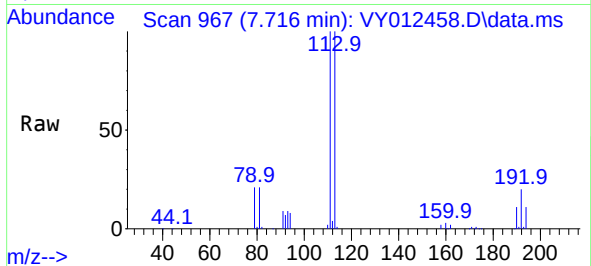




#35
Dibromofluoromethane
Concen: 56.073 ug/l
RT: 7.716 min Scan# 914
Delta R.T. -0.000 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

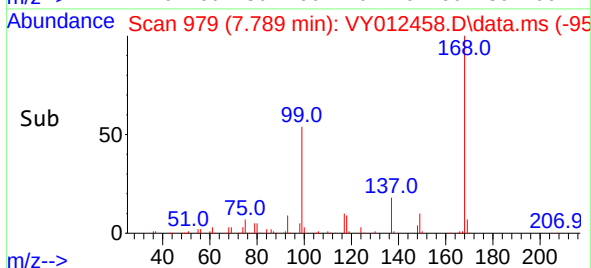
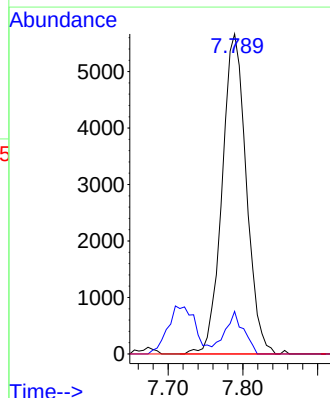
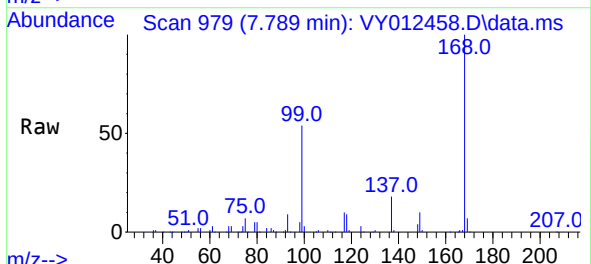
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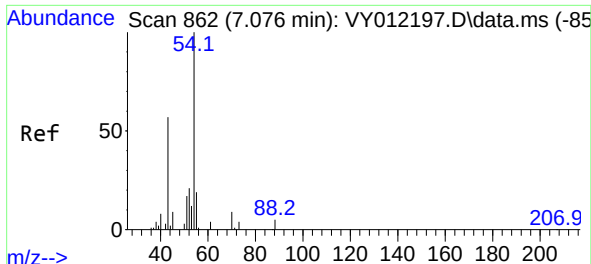
Tgt Ion:113 Resp: 91445
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.601 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion: 75 Resp: 12751
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.758 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY012458.D

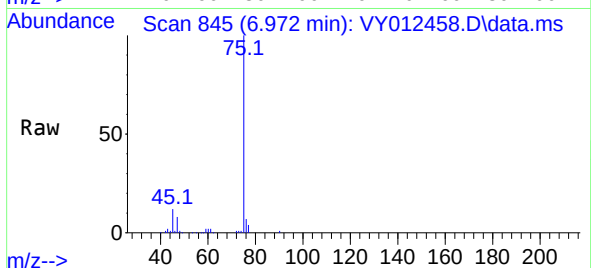
Acq: 02 Feb 2023 16:14

Instrument :

MSVOA_Y

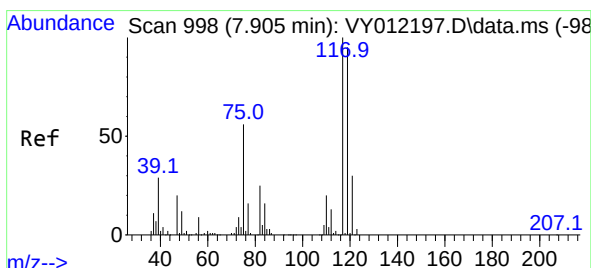
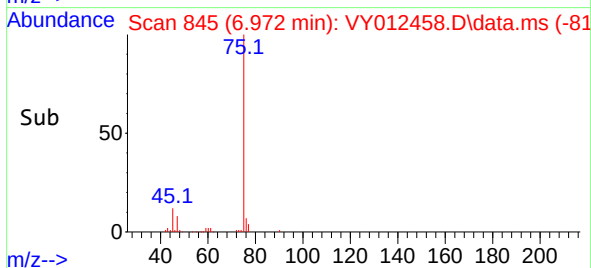
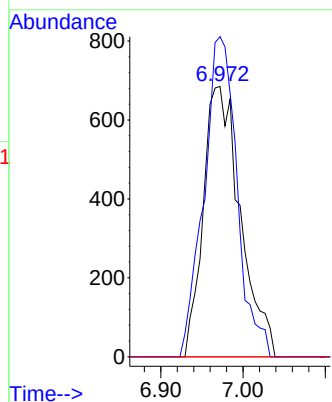
ClientSampleId :

OR-3-013123



Tgt Ion: 43 Resp: 2148

Ion	Ratio	Lower	Upper
43	100		
61	105.9	11.3	16.9#
70	0.0	8.2	12.4#



#38

Carbon Tetrachloride

Concen: 5.182 ug/l

RT: 7.789 min Scan# 979

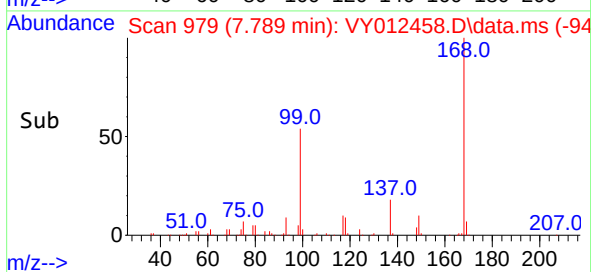
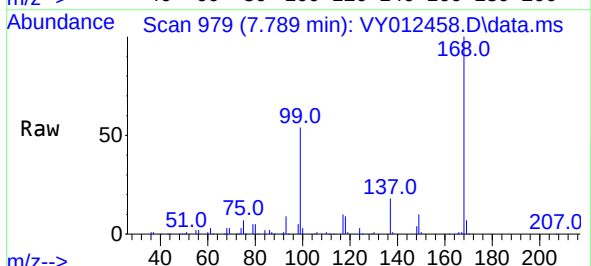
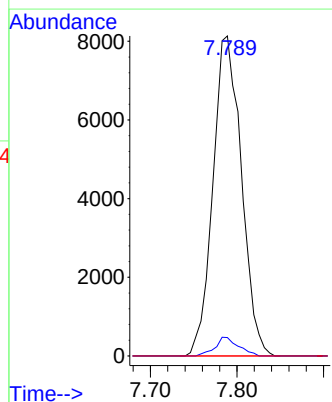
Delta R.T. -0.110 min

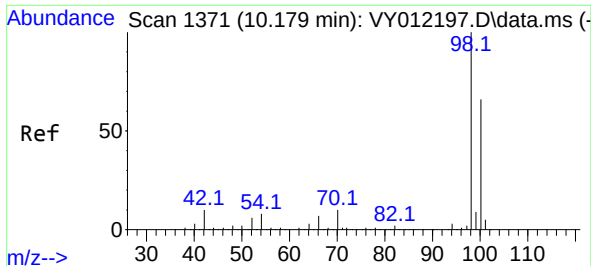
Lab File: VY012458.D

Acq: 02 Feb 2023 16:14

Tgt Ion: 117 Resp: 18548

Ion	Ratio	Lower	Upper
117	100		
119	5.8	73.8	110.8#
121	0.0	25.2	37.8#

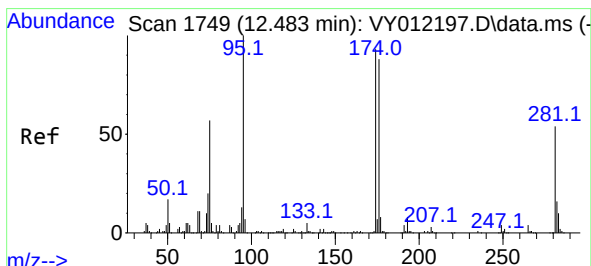
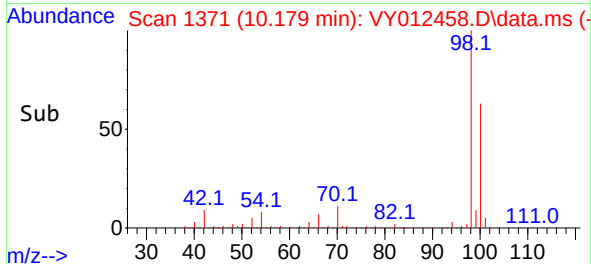
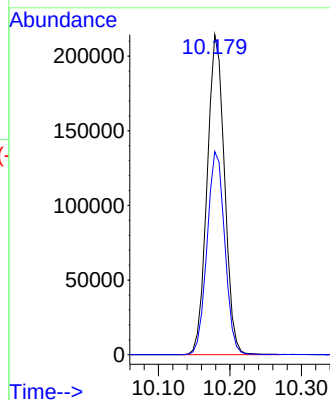
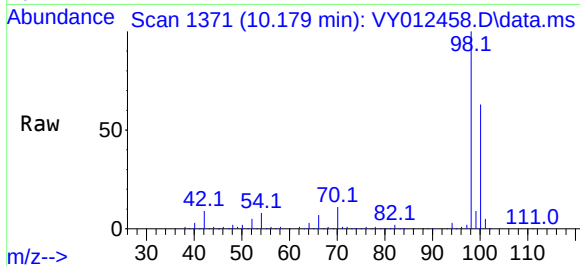




#50
Toluene-d8
Concen: 65.389 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

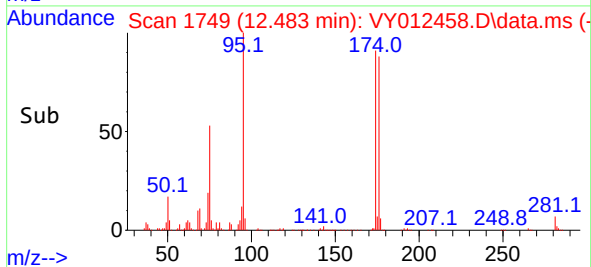
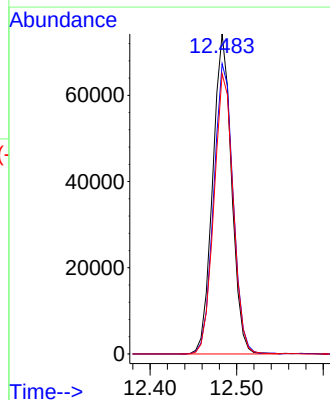
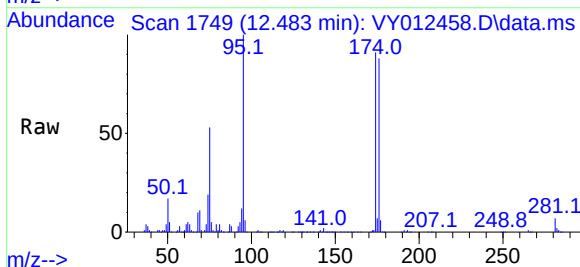
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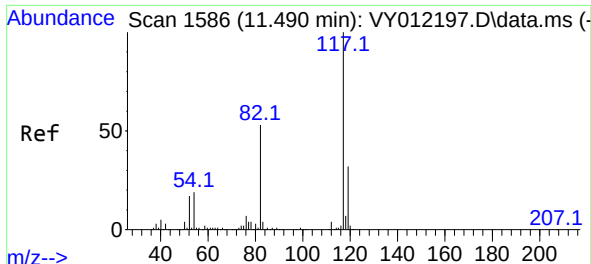
Tgt Ion: 98 Resp: 361949
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.834 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion: 95 Resp: 112267
Ion Ratio Lower Upper
95 100
174 93.4 0.0 172.0
176 89.4 0.0 167.6

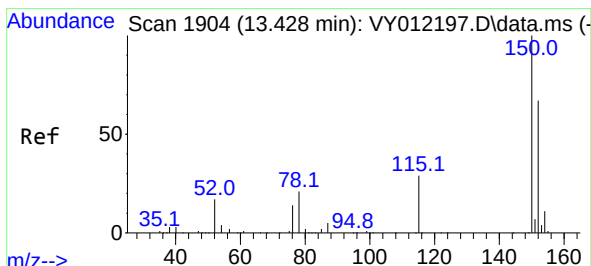
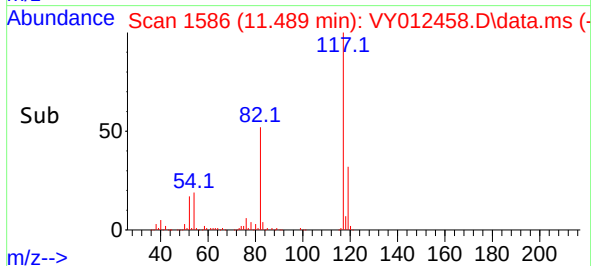
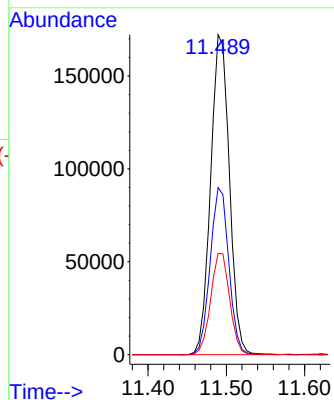
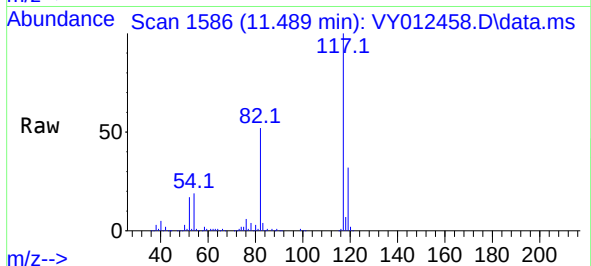




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

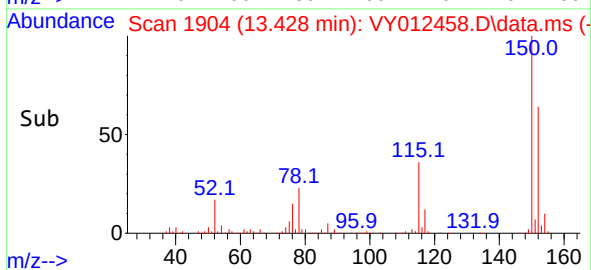
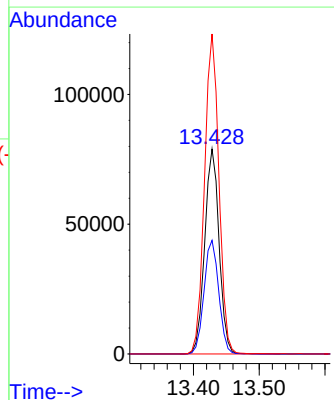
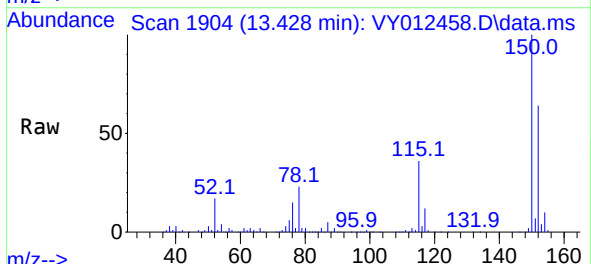
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

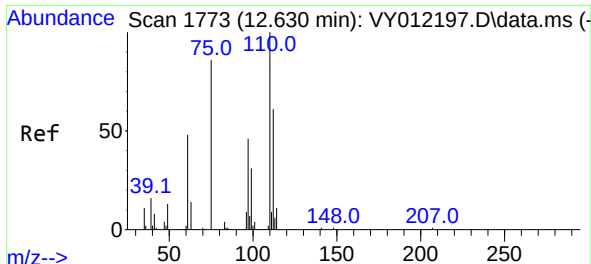
Tgt Ion:117 Resp: 286660
Ion Ratio Lower Upper
117 100
82 52.2 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion:152 Resp: 120084
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 156.0 0.0 342.6

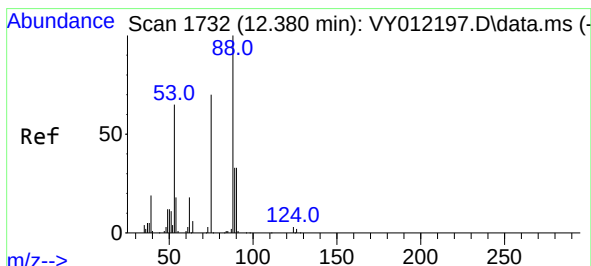
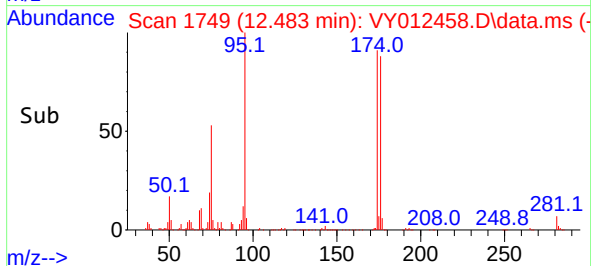
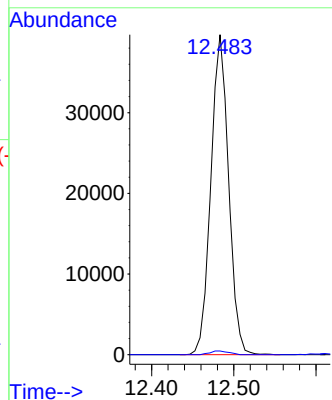
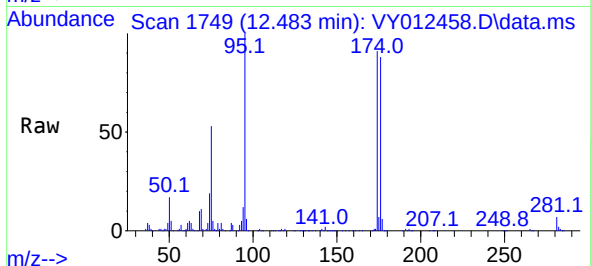




#76
1,2,3-Trichloropropane
Concen: 53.840 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-013123

Tgt Ion: 75 Resp: 59451
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.934 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012458.D
Acq: 02 Feb 2023 16:14

Tgt Ion: 75 Resp: 59451
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

