

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011823\
 Data File : VY012238.D
 Acq On : 18 Jan 2023 12:01
 Operator : KP/MD
 Sample : 01167-01RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-011623RE

Quant Time: Jan 19 00:34:42 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)

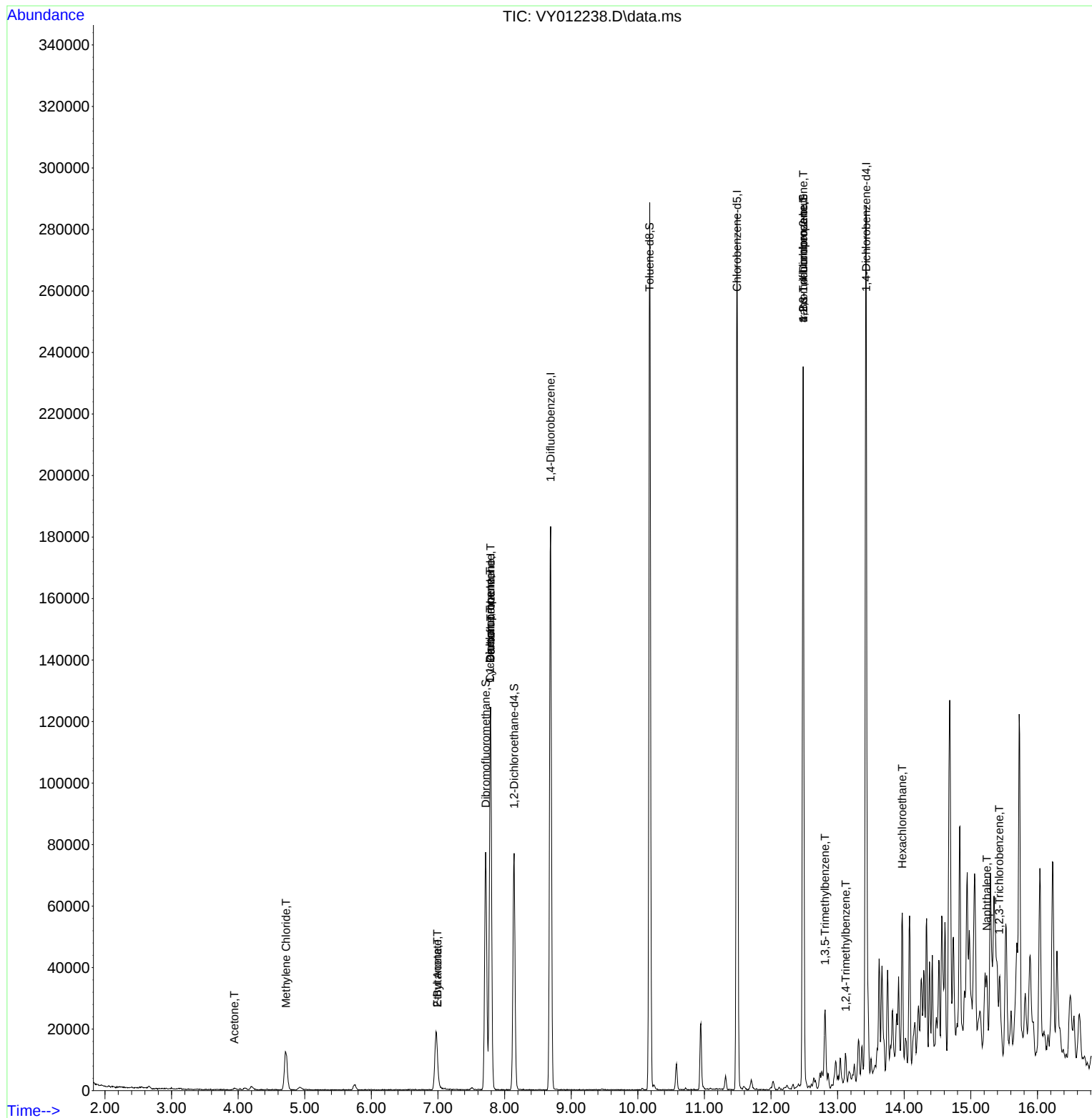
Internal Standards						
1) Pentafluorobenzene	7.789	168	98966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	164180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	159719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62320	78.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.380%	
35) Dibromofluoromethane	7.716	113	51610	59.367	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.740%	
50) Toluene-d8	10.179	98	193408	65.559	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.120%	
62) 4-Bromofluorobenzene	12.483	95	65742	53.645	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.300%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.918	59	679	Below Cal	#	74
16) Acetone	3.942	43	885	3.211	ug/l #	87
20) Methylene Chloride	4.716	84	10785	1.671	ug/l	86
25) 2-Butanone	6.990	43	1012	3.326	ug/l #	46
31) Cyclohexane	7.783	56	1586	1.099	ug/l #	33
36) 1,1-Dichloropropene	7.783	75	6746	4.566	ug/l #	52
37) Ethyl Acetate	6.990	43	1012	1.554	ug/l #	68
38) Carbon Tetrachloride	7.789	117	9606	5.034	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	33972	48.142	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	4928	1.024	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	33972	99.194	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	5351	1.128	ug/l	98
90) Hexachloroethane	13.971	117	2220	2.358	ug/l #	9
95) Naphthalene	15.239	128	8807	2.947	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.428	180	1556	1.194	ug/l #	1

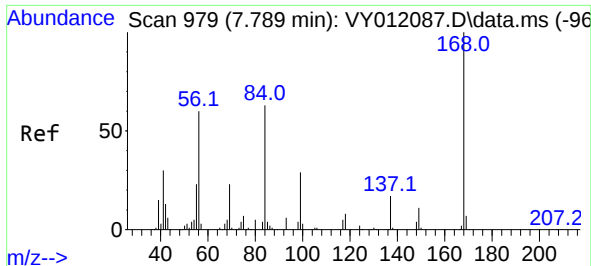
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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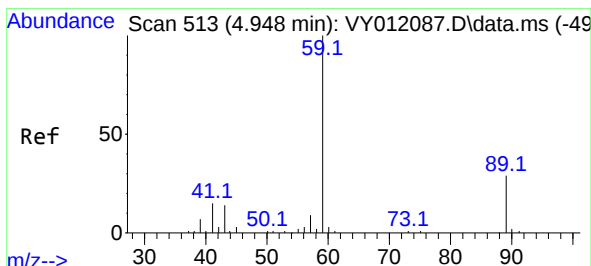
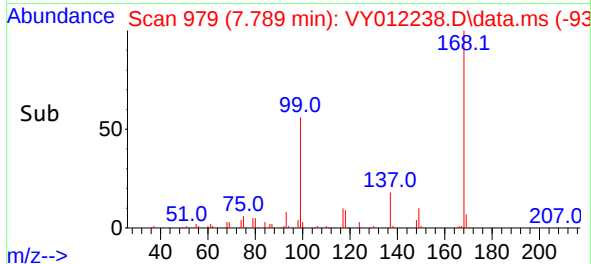
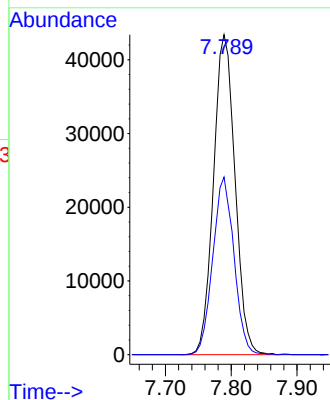
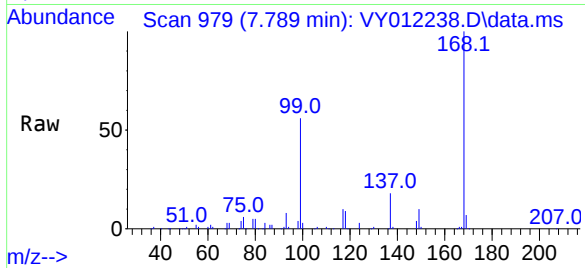




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

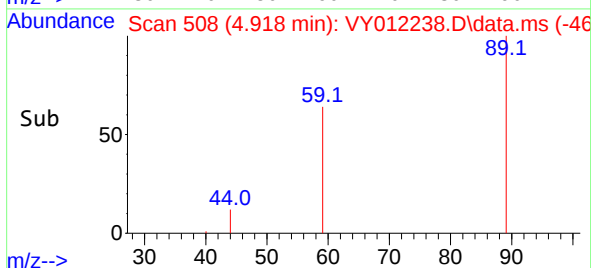
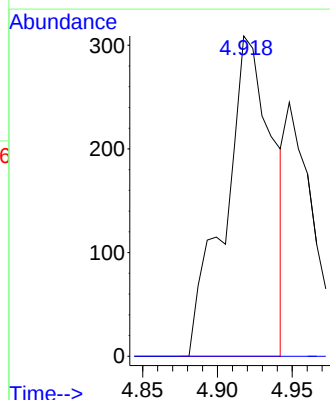
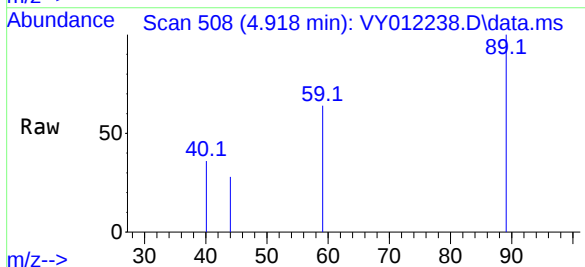
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623RE

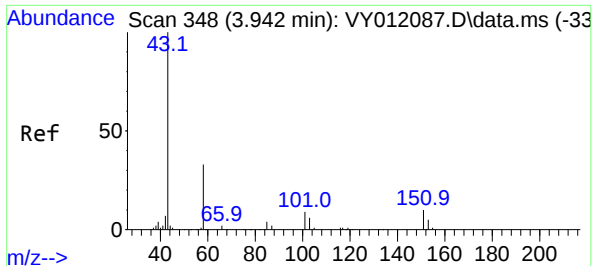
Tgt Ion:168 Resp: 98966
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 59 Resp: 679
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

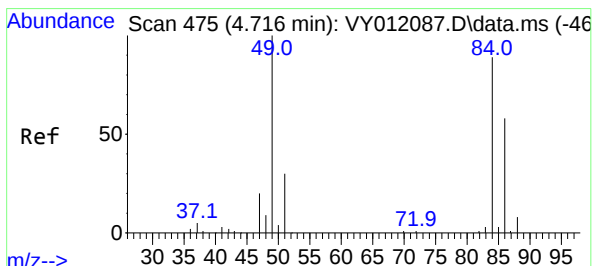
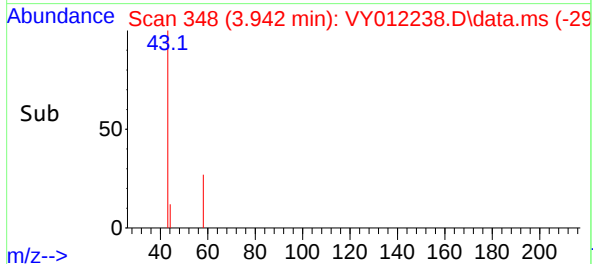
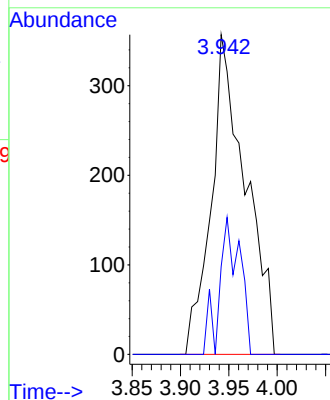
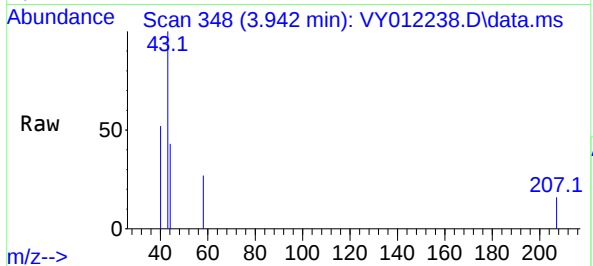




#16
Acetone
Concen: 3.211 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

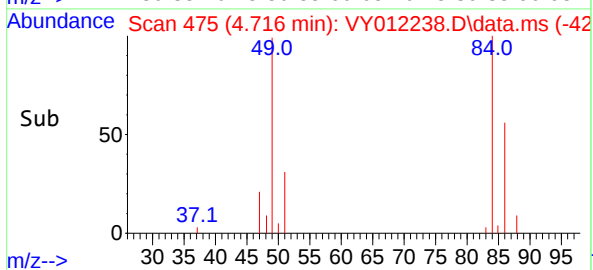
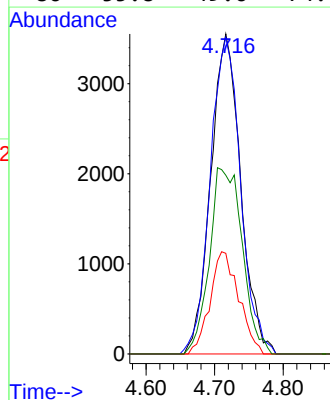
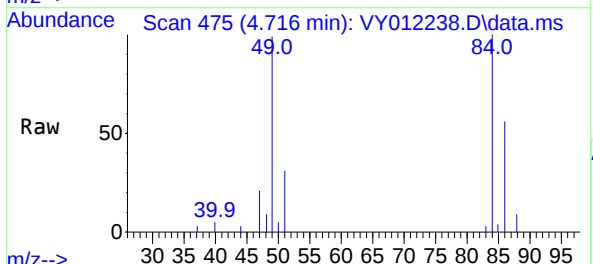
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623RE

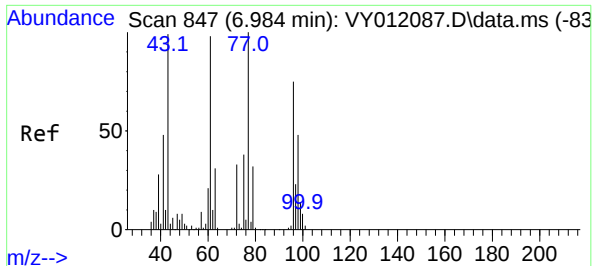
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 27.5 27.9 41.9#



#20
Methylene Chloride
Concen: 1.671 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 84 Resp: 10785
Ion Ratio Lower Upper
84 100
49 98.9 95.4 143.2
51 31.4 29.9 44.9
86 55.8 49.6 74.4





#25

2-Butanone

Concen: 3.326 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012238.D

Acq: 18 Jan 2023 12:01

Instrument :

MSVOA_Y

ClientSampleId :

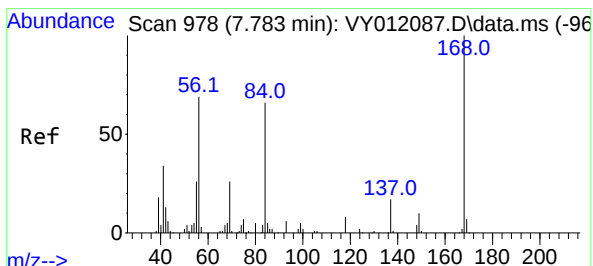
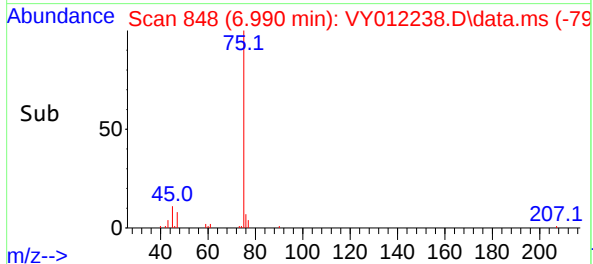
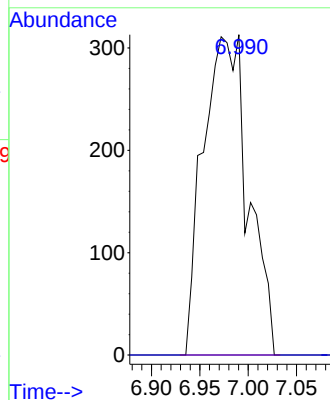
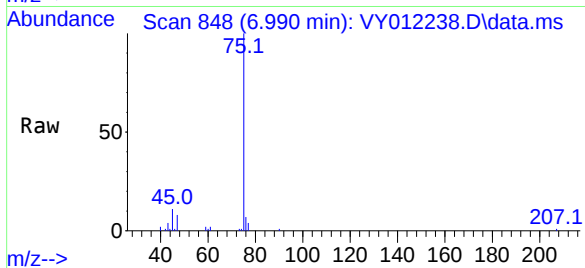
EO-3-011623RE

Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012238.D

Acq: 18 Jan 2023 12:01

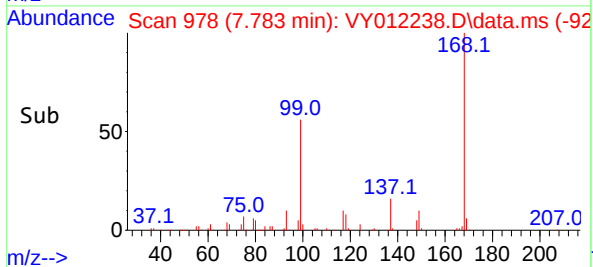
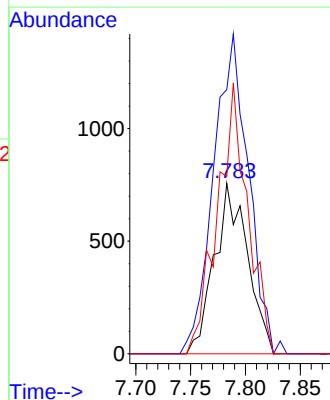
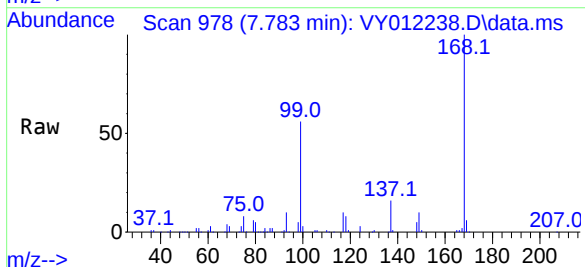
Tgt Ion: 56 Resp: 1586

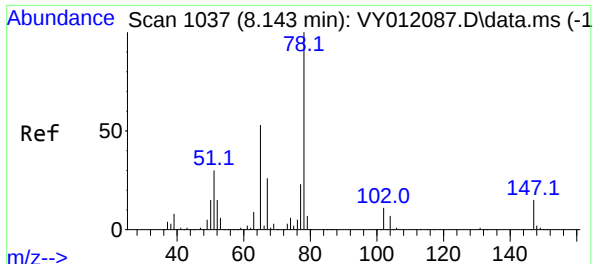
Ion Ratio Lower Upper

56 100

69 155.0 29.2 43.8#

84 104.0 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 78.187 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012238.D

Acq: 18 Jan 2023 12:01

Instrument :

MSVOA_Y

ClientSampleId :

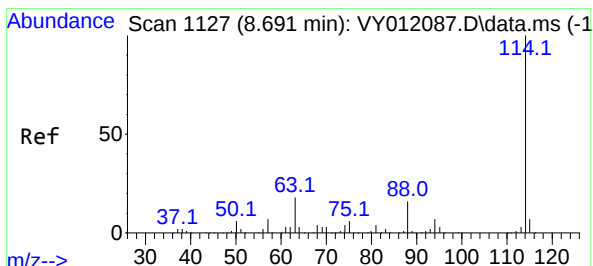
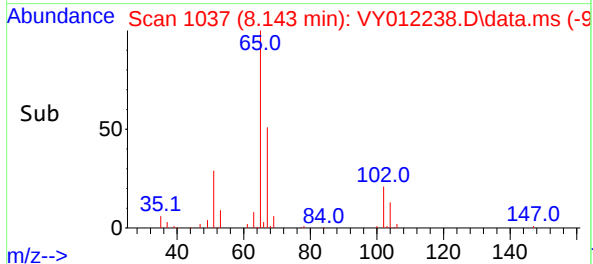
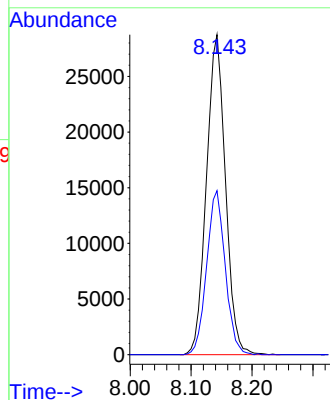
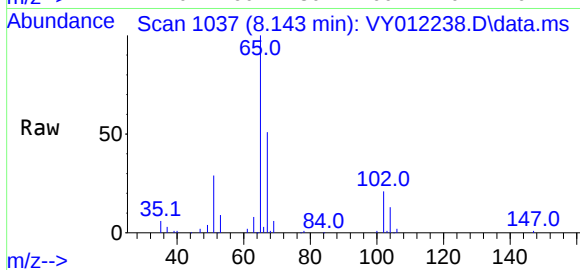
EO-3-011623RE

Tgt Ion: 65 Resp: 62320

Ion Ratio Lower Upper

65 100

67 50.1 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: VY012238.D

Acq: 18 Jan 2023 12:01

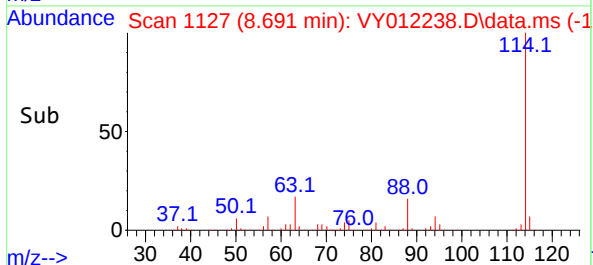
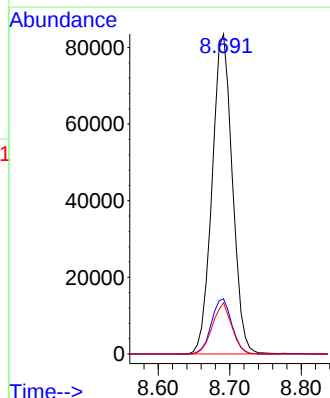
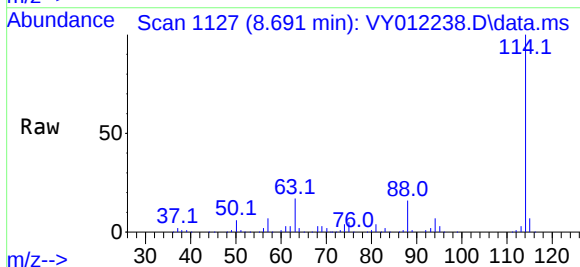
Tgt Ion: 114 Resp: 164180

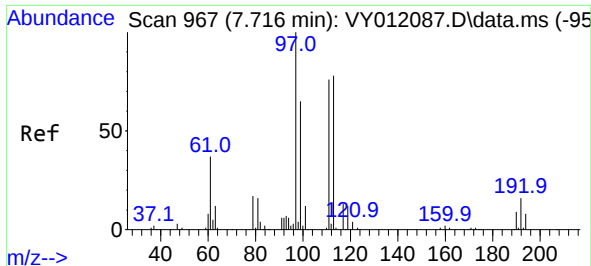
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 16.0 0.0 32.2

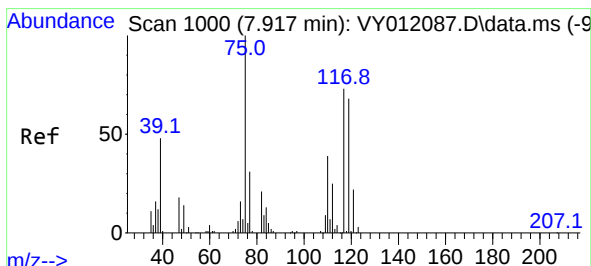
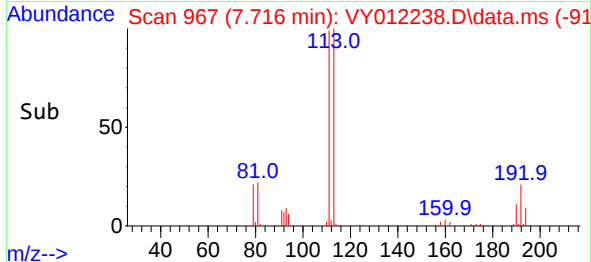
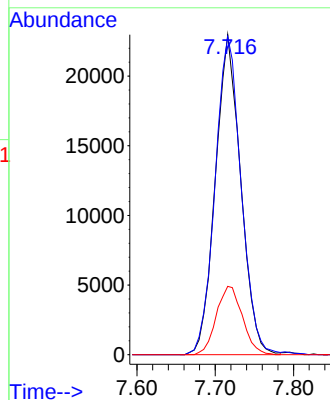
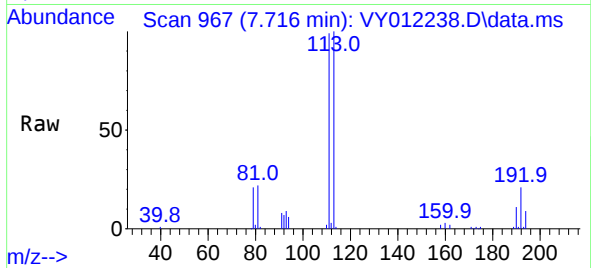




#35
Dibromofluoromethane
Concen: 59.367 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

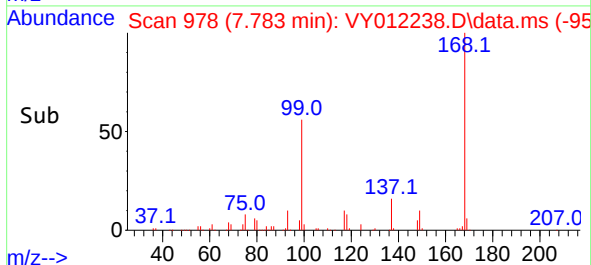
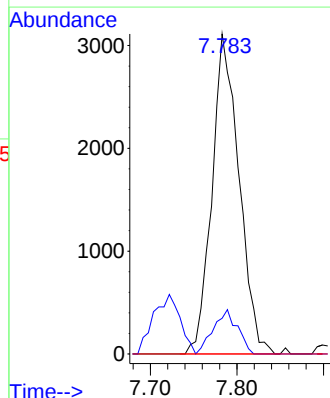
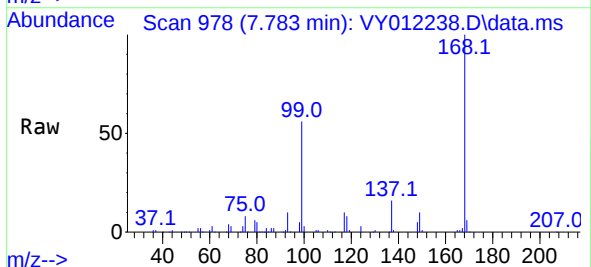
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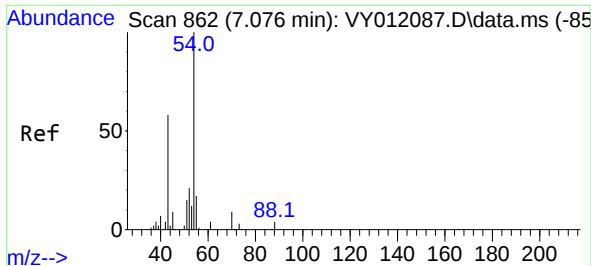
Tgt Ion:113 Resp: 51610
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 22.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 75 Resp: 6746
Ion Ratio Lower Upper
75 100
110 12.4 18.1 54.1#
77 0.0 25.1 37.7#

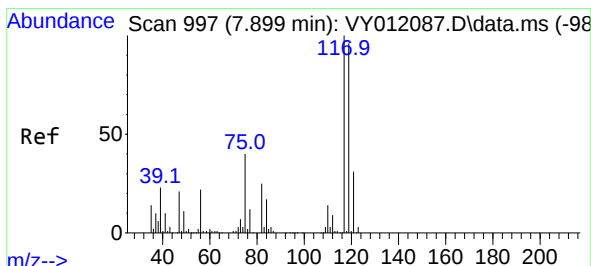
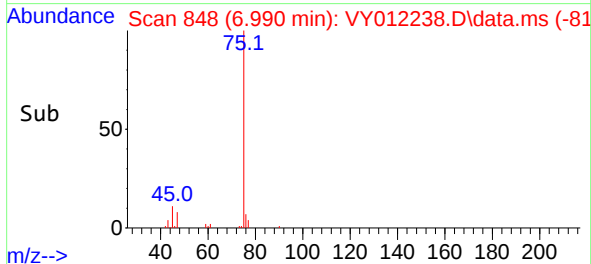
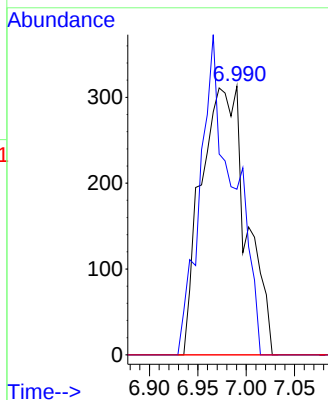
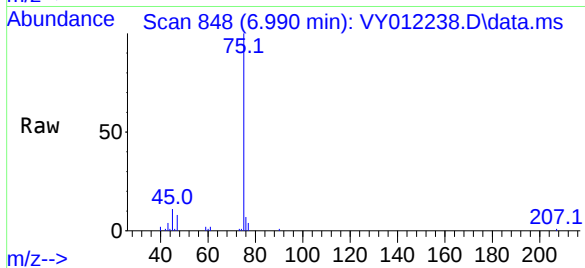




#37
Ethyl Acetate
Concen: 1.554 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

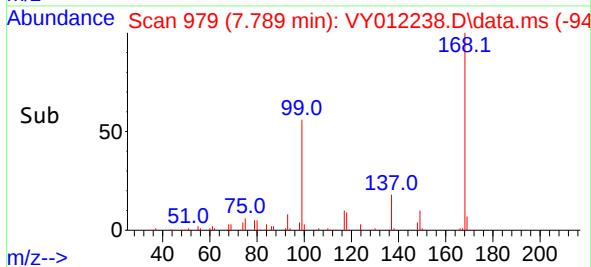
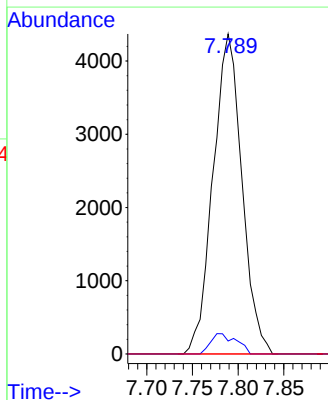
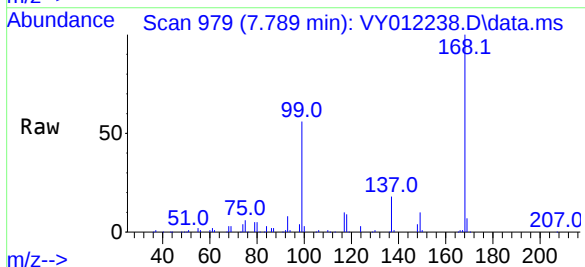
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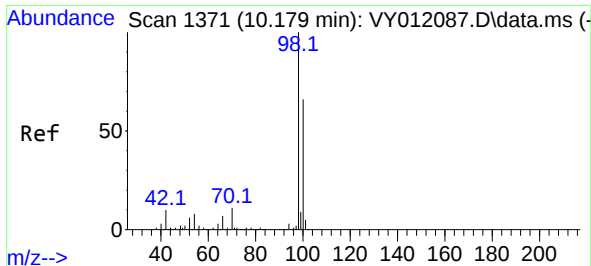
Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 117 Resp: 9606
Ion Ratio Lower Upper
117 100
119 4.1 73.8 110.8#
121 0.0 25.2 37.8#

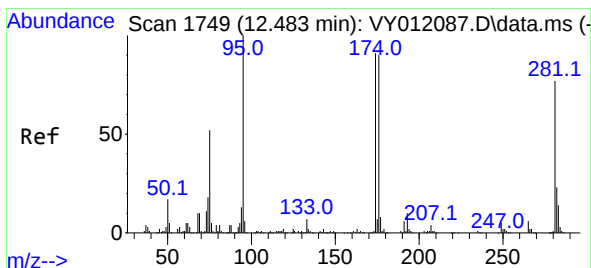
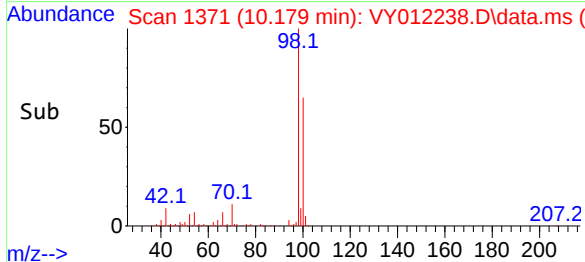
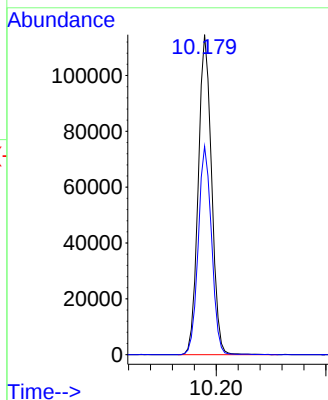
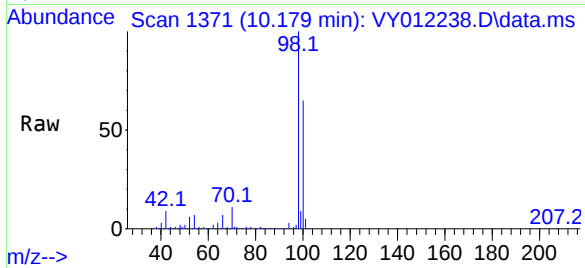




#50
Toluene-d8
Concen: 65.559 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

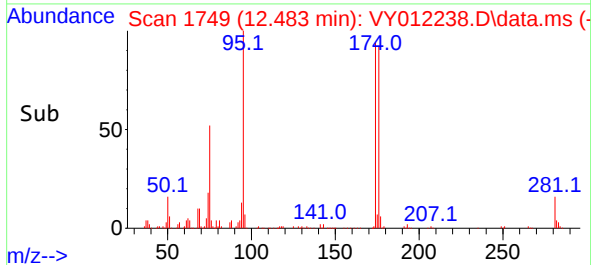
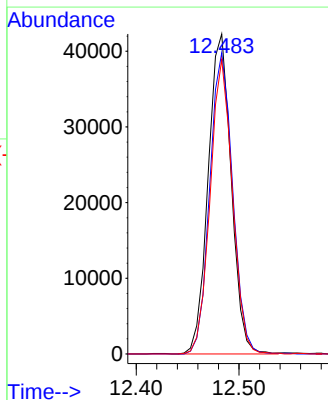
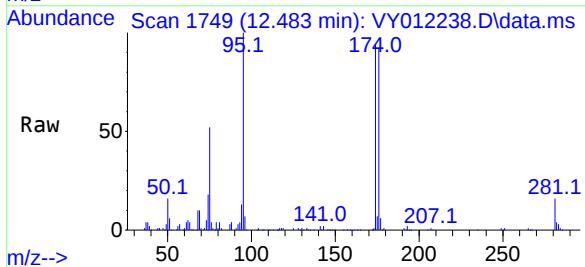
Instrument :
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EO-3-011623RE

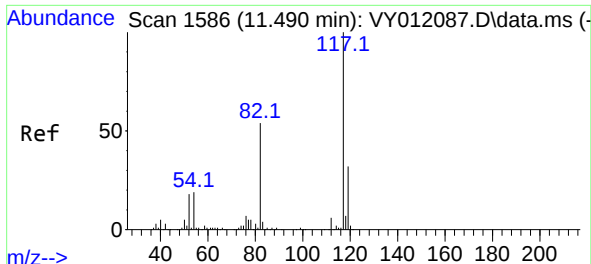
Tgt Ion: 98 Resp: 193408
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.645 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 95 Resp: 65742
Ion Ratio Lower Upper
95 100
174 93.4 0.0 172.0
176 88.9 0.0 167.6

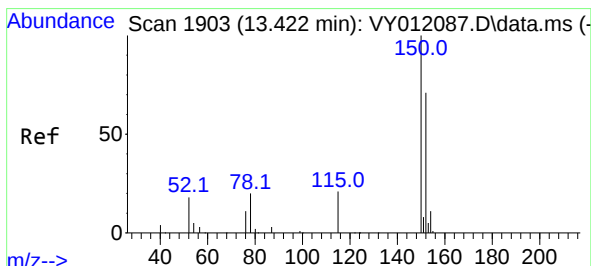
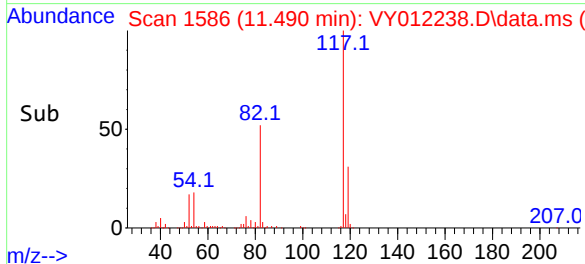
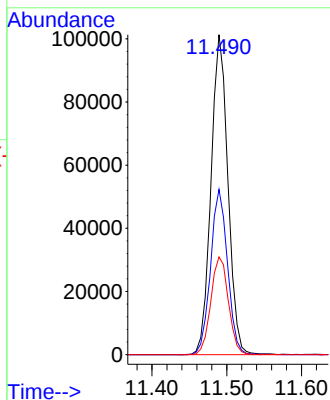
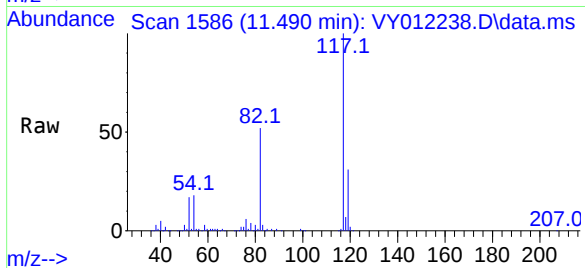




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

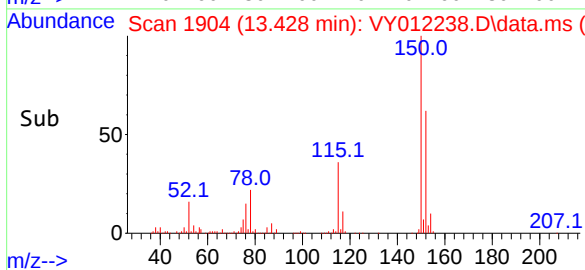
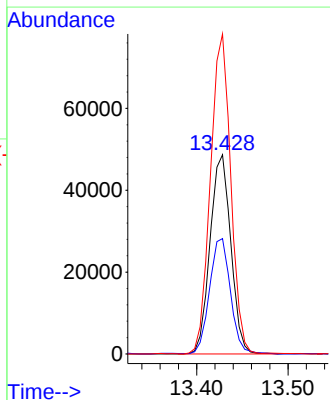
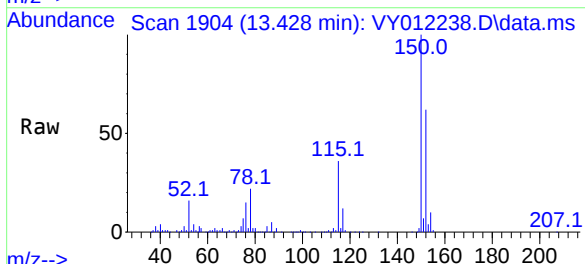
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623RE

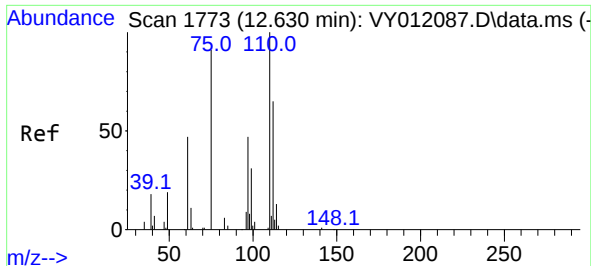
Tgt Ion:117 Resp: 159719
Ion Ratio Lower Upper
117 100
82 51.7 44.8 67.2
119 30.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion:152 Resp: 76741
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.3
150 157.0 0.0 342.6

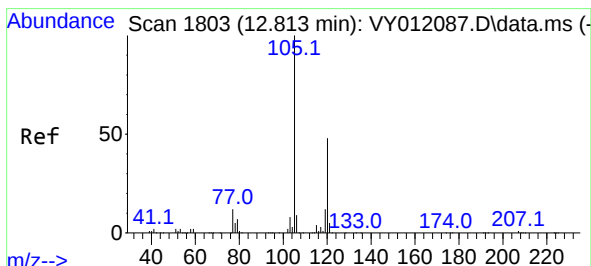
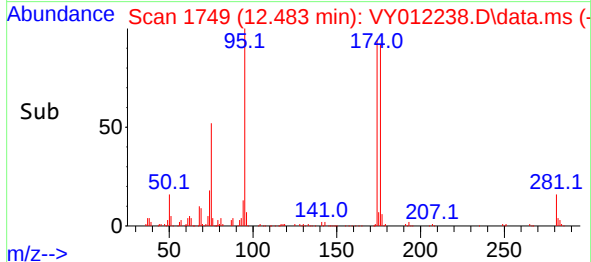
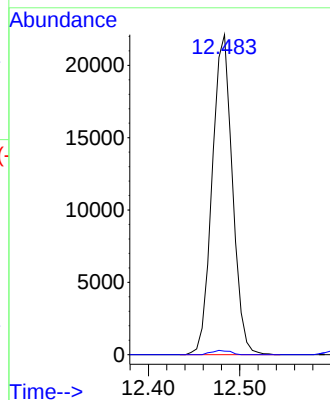
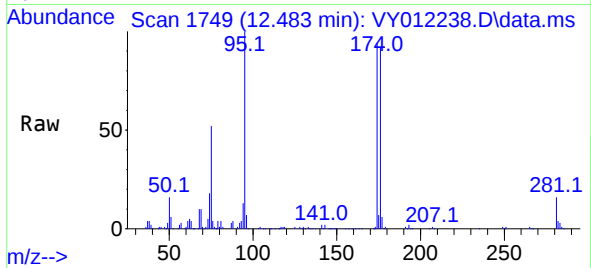




#76
1,2,3-Trichloropropane
Concen: 48.142 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.147 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

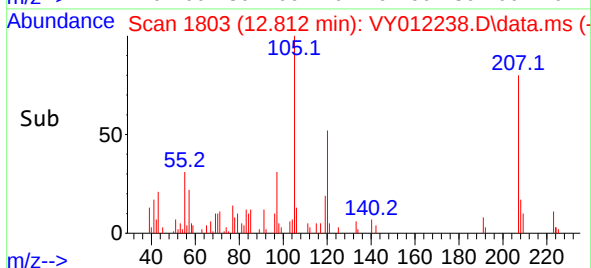
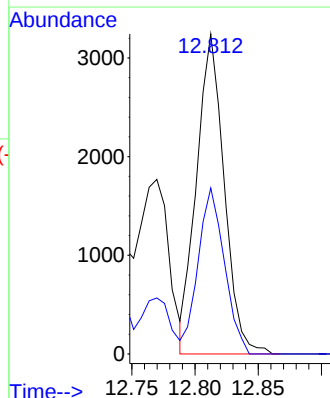
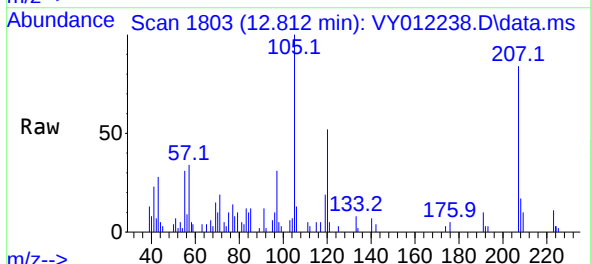
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623RE

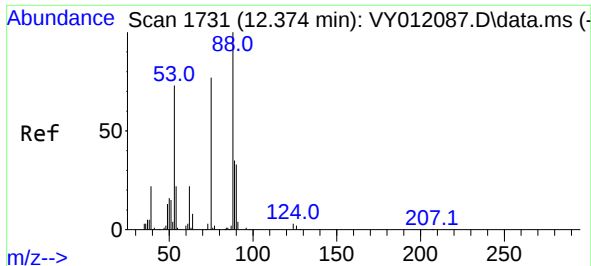
Tgt Ion: 75 Resp: 33972
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.024 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 105 Resp: 4928
Ion Ratio Lower Upper
105 100
120 49.5 24.2 72.6

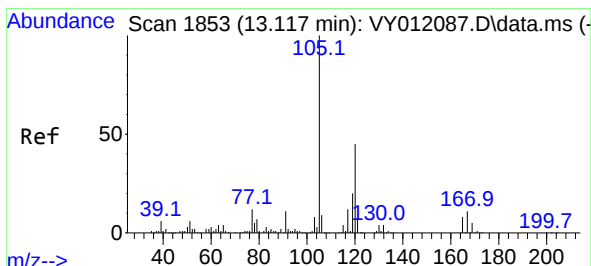
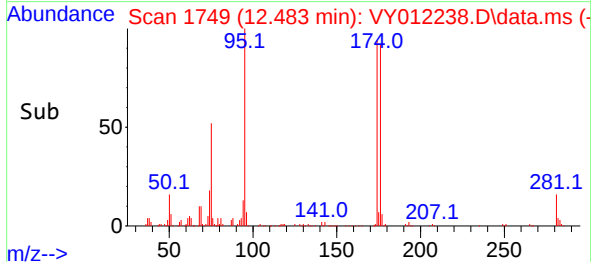
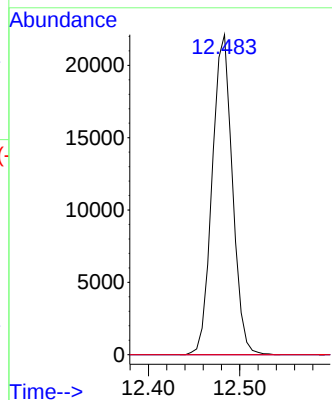
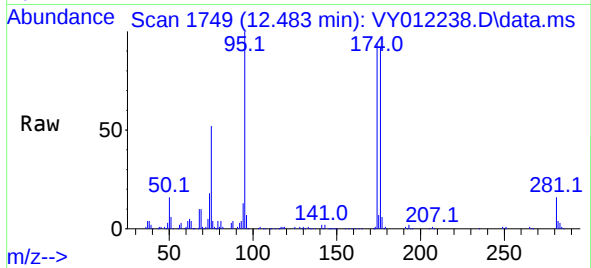




#81
trans-1,4-Dichloro-2-butene
Concen: 99.194 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

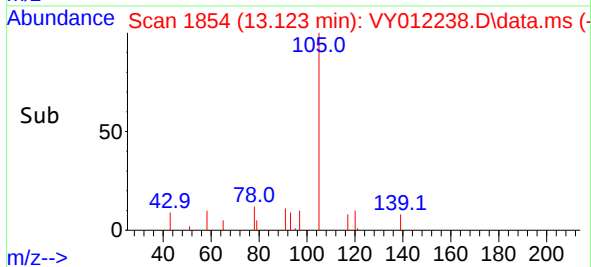
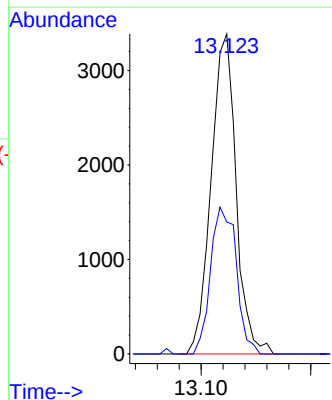
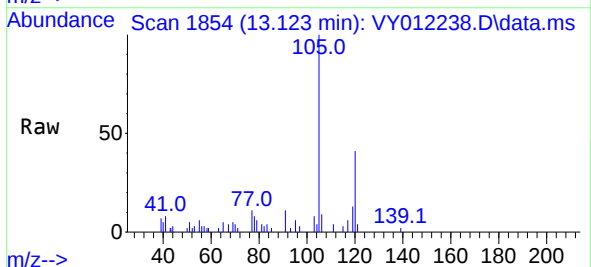
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623RE

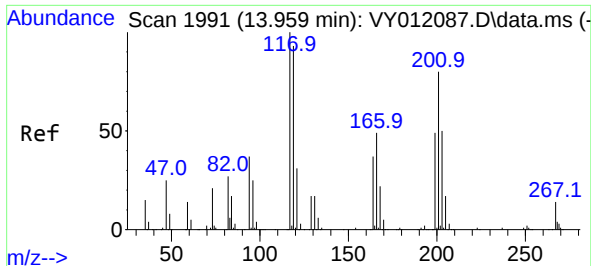
Tgt Ion: 75 Resp: 33972
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.128 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

Tgt Ion: 105 Resp: 5351
Ion Ratio Lower Upper
105 100
120 47.3 22.9 68.7

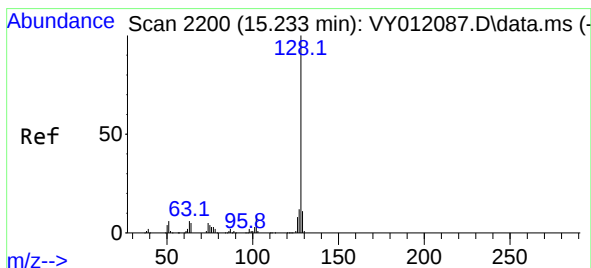
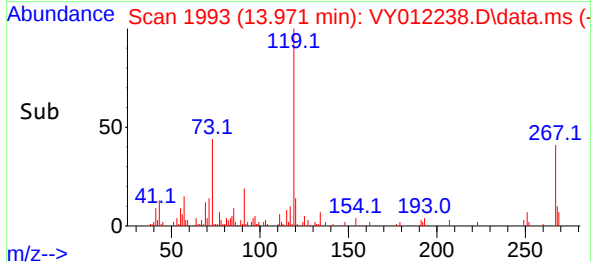
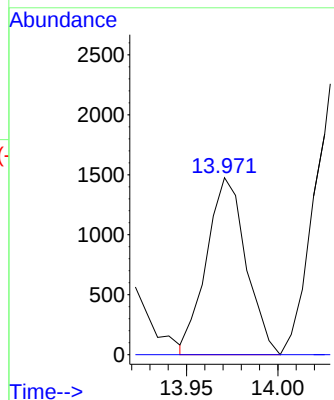
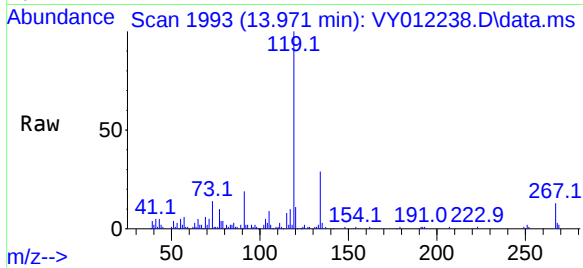




#90
Hexachloroethane
Concen: 2.358 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

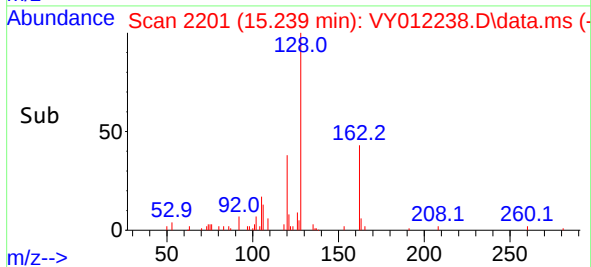
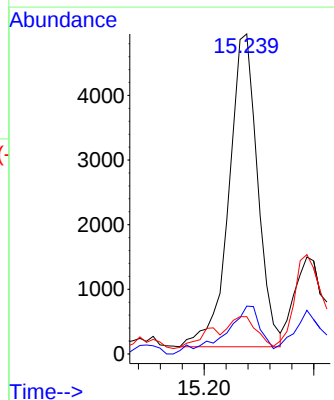
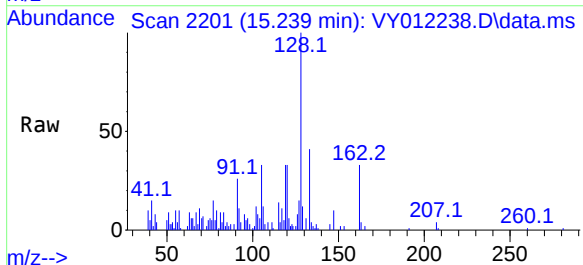
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623RE

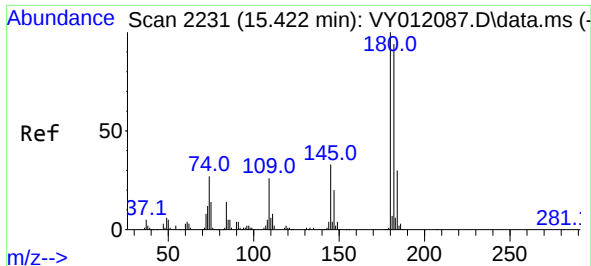
Tgt Ion:117 Resp: 2220
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#



#95
Naphthalene
Concen: 2.947 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012238.D
Acq: 18 Jan 2023 12:01

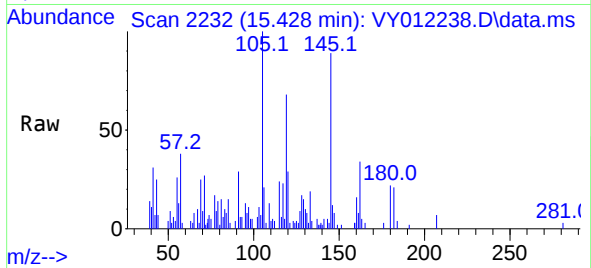
Tgt Ion:128 Resp: 8807
Ion Ratio Lower Upper
128 100
127 18.8 10.2 15.2#
129 8.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.194 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY012238.D
 Acq: 18 Jan 2023 12:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-011623RE



Tgt Ion:	180	Resp:	1556
Ion	Ratio	Lower	Upper
180	100		
182	71.1	47.9	143.7
145	309.8	16.1	48.2#

