

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013869.D
 Acq On : 25 May 2023 13:39
 Operator : KP/MD
 Sample : 02904-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-052323

Quant Time: May 26 04:33:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

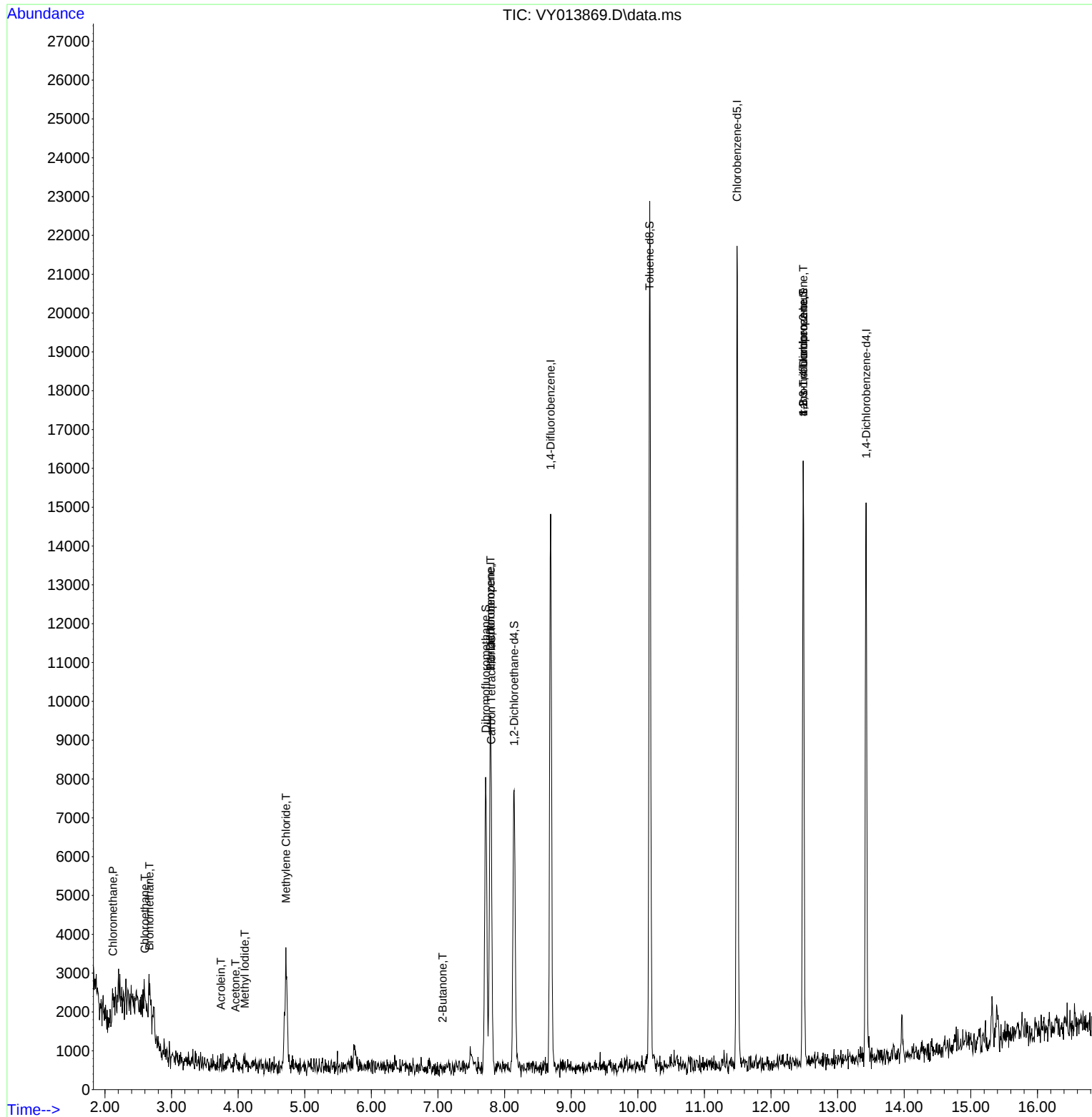
Internal Standards						
1) Pentafluorobenzene	7.789	168	7303	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	12444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	12069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	6419	75.975	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.940%			
35) Dibromofluoromethane	7.715	113	5118	63.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.380%			
50) Toluene-d8	10.178	98	14949	48.943	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.483	95	4297	42.323	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.640%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	236	2.896	ug/l #	24
5) Bromomethane	2.668	94	336	5.073	ug/l #	69
6) Chloroethane	2.601	64	71	1.307	ug/l #	43
10) Methyl Iodide	4.100	142	235	2.603	ug/l #	48
13) Acrolein	3.741	56	61	6.266	ug/l #	15
16) Acetone	3.960	43	163	6.500	ug/l #	46
20) Methylene Chloride	4.716	84	1714	17.633	ug/l	96
25) 2-Butanone	7.069	43	51	1.667	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	598	4.885	ug/l #	42
38) Carbon Tetrachloride	7.801	117	814	5.848	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	2332	51.732	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2332	112.294	ug/l #	10

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

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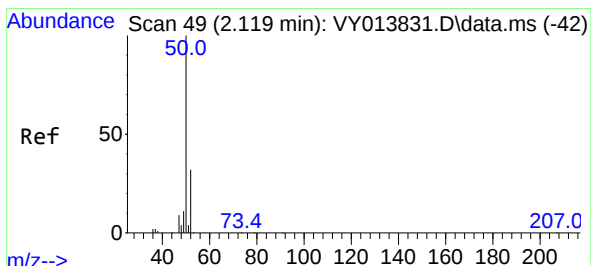
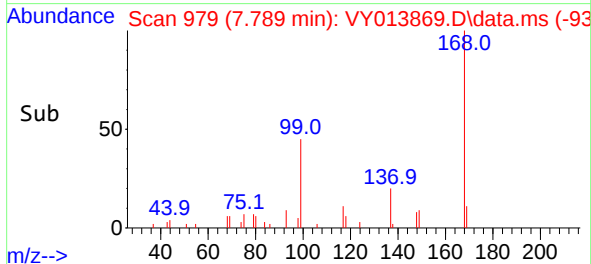
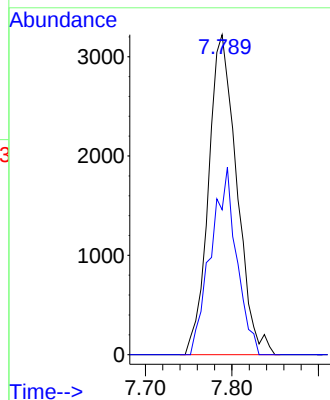
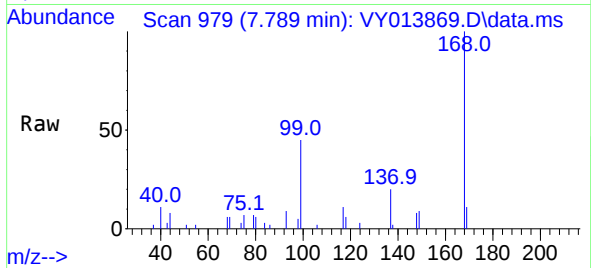




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

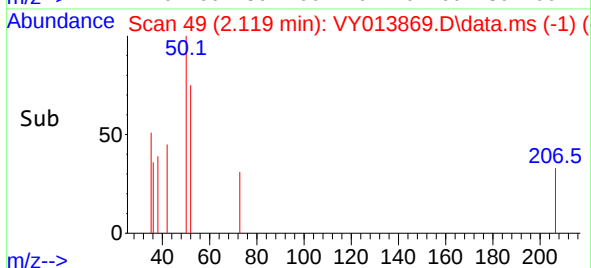
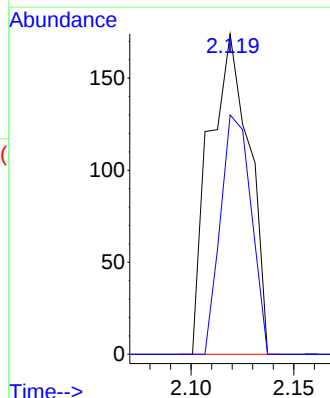
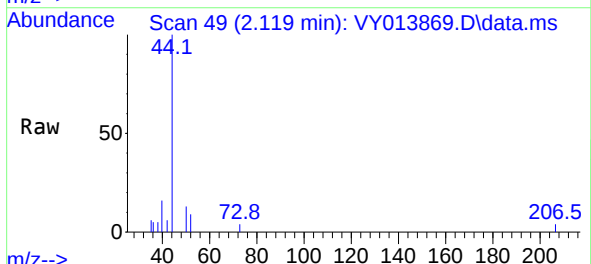
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

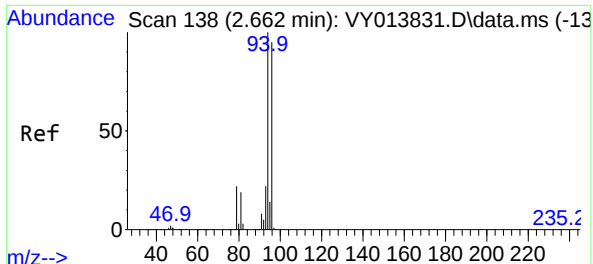
Tgt Ion:168 Resp: 7303
Ion Ratio Lower Upper
168 100
99 45.3 43.4 65.2



#3
Chloromethane
Concen: 2.896 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion: 50 Resp: 236
Ion Ratio Lower Upper
50 100
52 74.7 25.7 38.5#

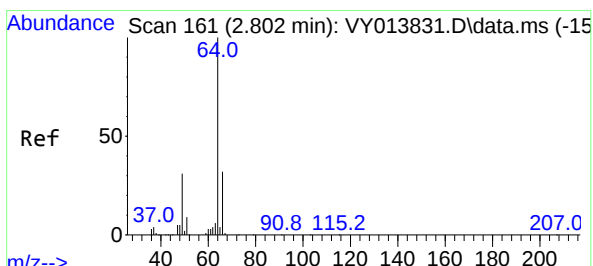
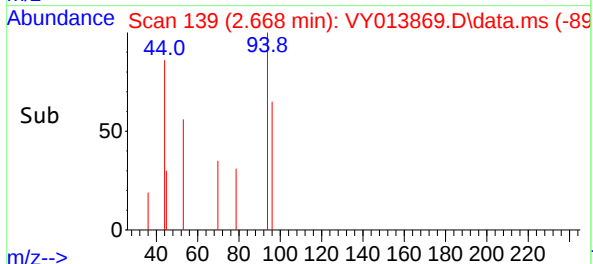
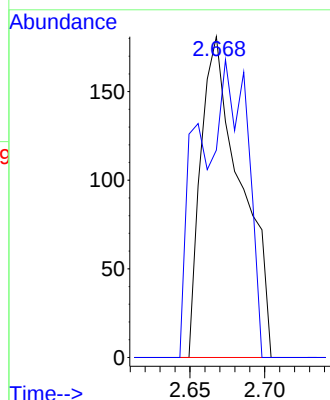
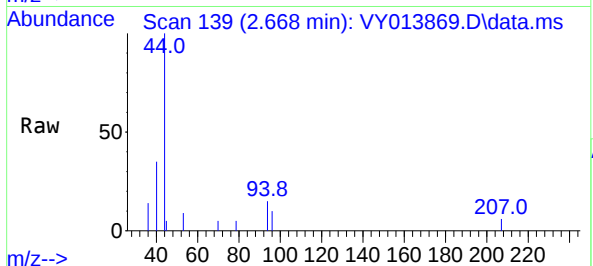




#5
Bromomethane
Concen: 5.073 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

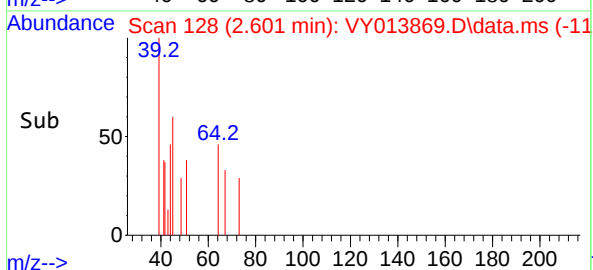
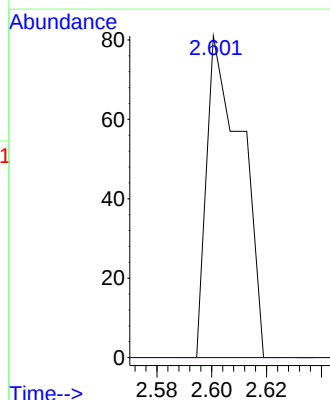
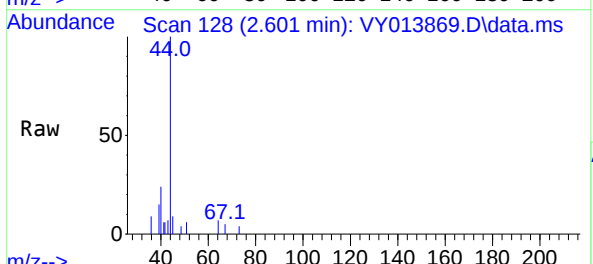
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

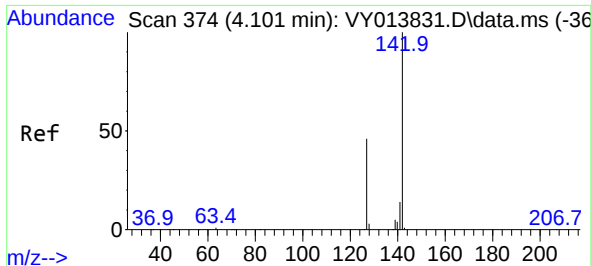
Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 64.6 76.2 114.2#



#6
Chloroethane
Concen: 1.307 ug/l
RT: 2.601 min Scan# 128
Delta R.T. -0.201 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

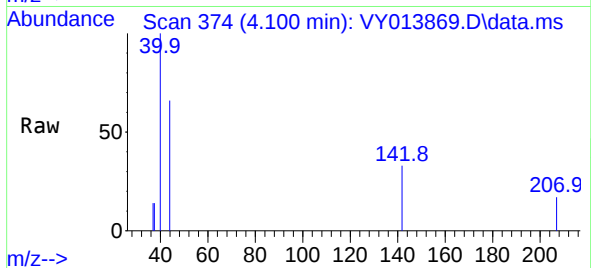
Tgt Ion: 64 Resp: 71
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



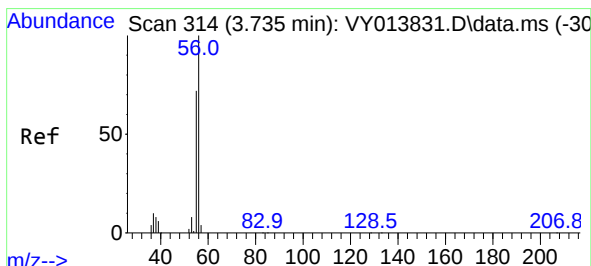
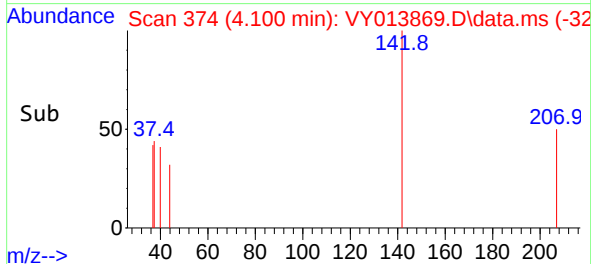
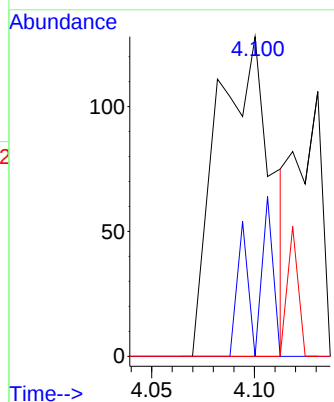


#10
Methyl Iodide
Concen: 2.603 ug/l
RT: 4.100 min Scan# 315
Delta R.T. -0.000 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

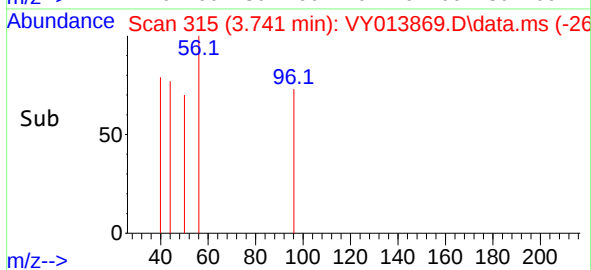
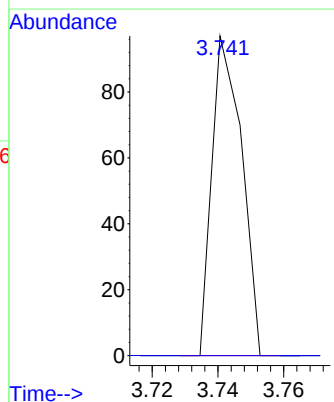
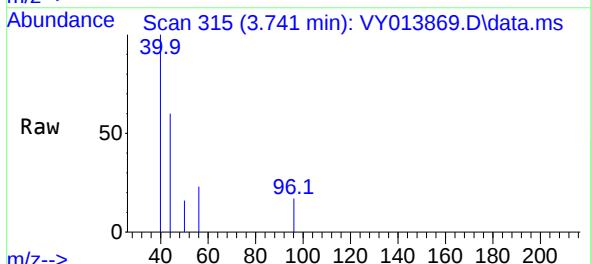


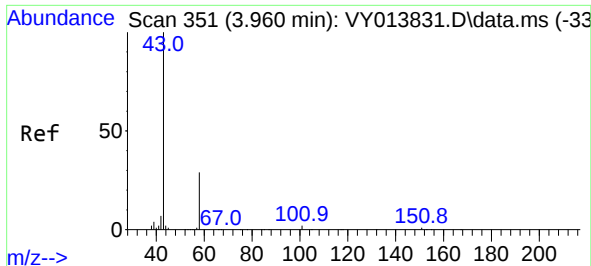
Tgt Ion:142 Resp: 235
Ion Ratio Lower Upper
142 100
127 8.5 37.0 55.4#
141 0.0 11.8 17.6#



#13
Acrolein
Concen: 6.266 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#

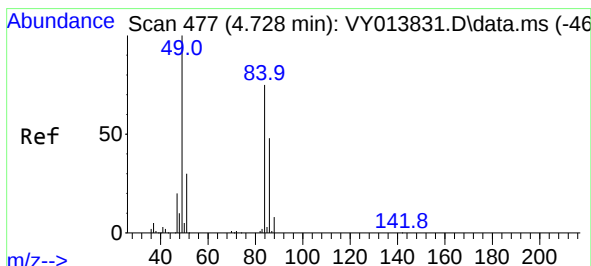
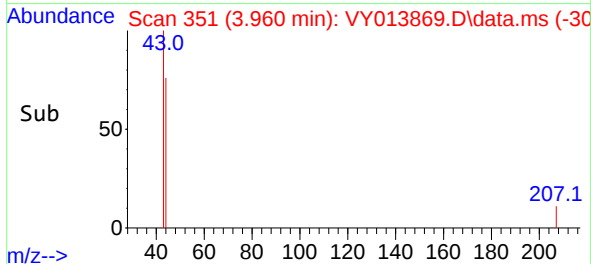
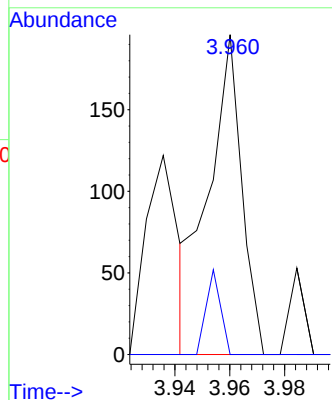
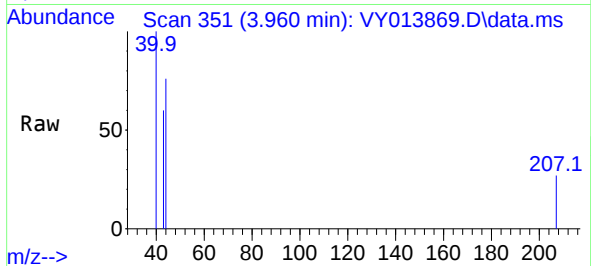




#16
Acetone
Concen: 6.500 ug/l
RT: 3.960 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

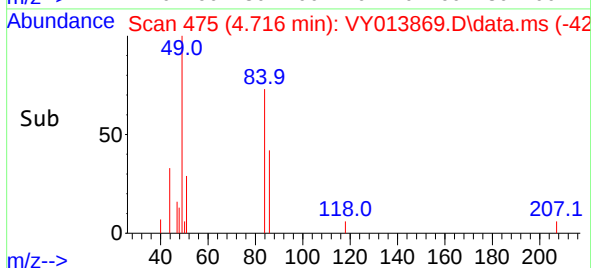
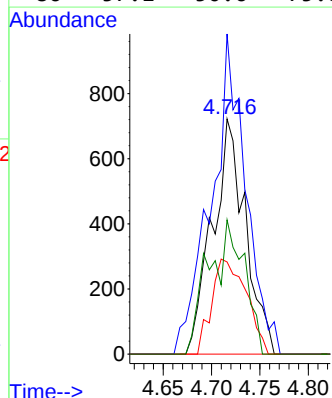
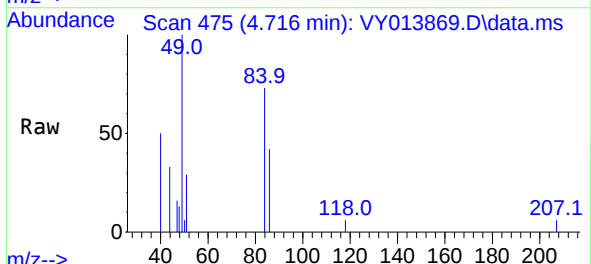
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

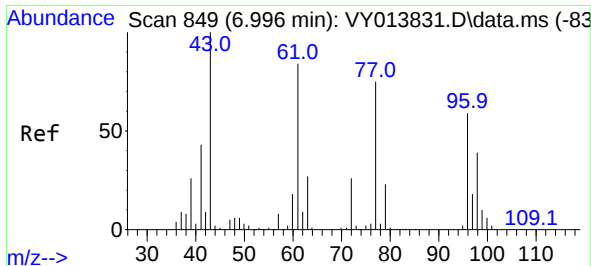
Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 17.633 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion: 84 Resp: 1714
Ion Ratio Lower Upper
84 100
49 136.1 106.2 159.2
51 39.2 31.4 47.0
86 57.1 50.6 75.8

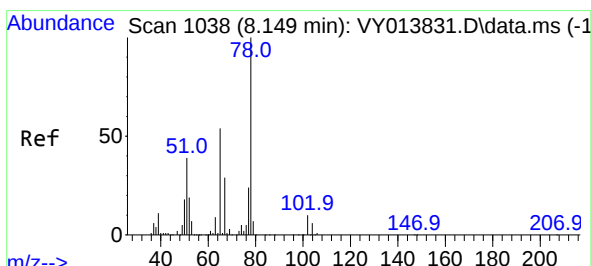
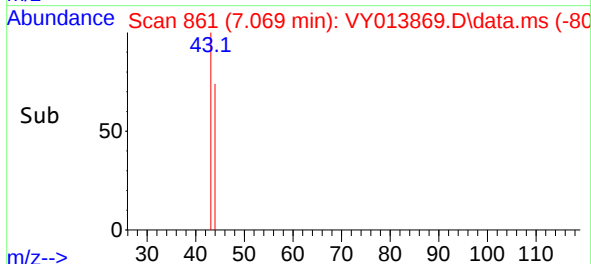
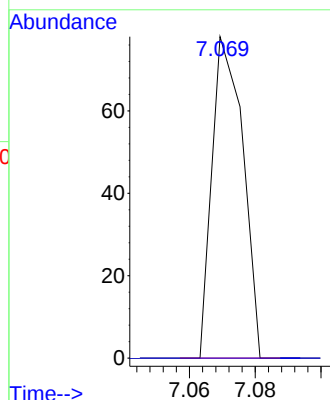
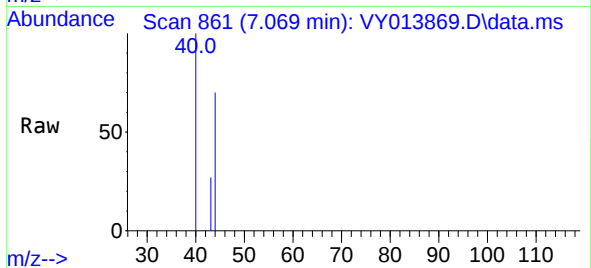




#25
2-Butanone
Concen: 1.667 ug/l
RT: 7.069 min Scan# 80
Delta R.T. 0.073 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

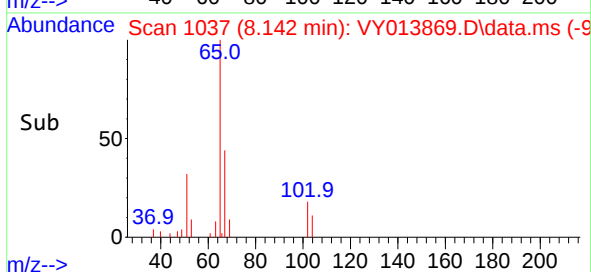
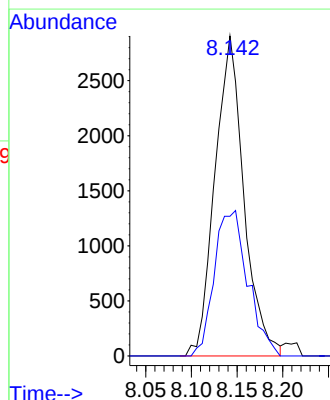
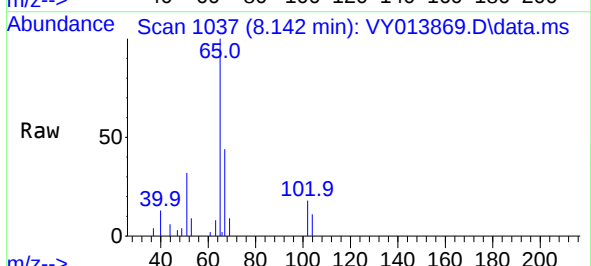
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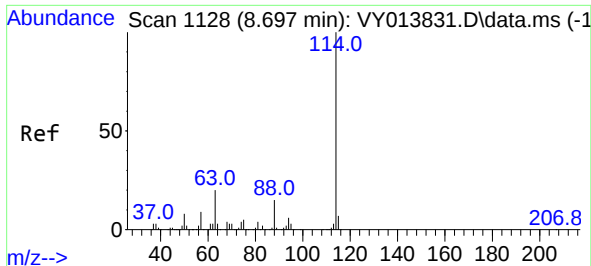
Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 75.975 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion: 65 Resp: 6419
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4

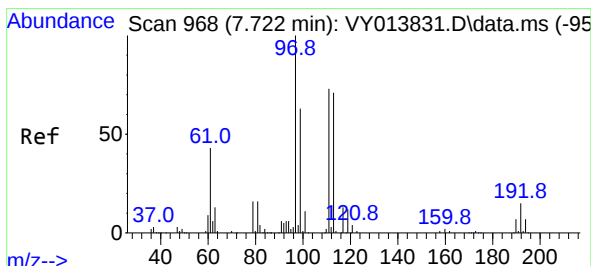
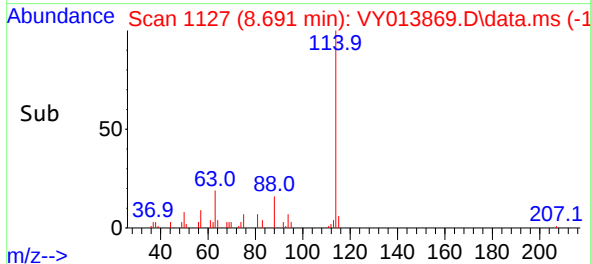
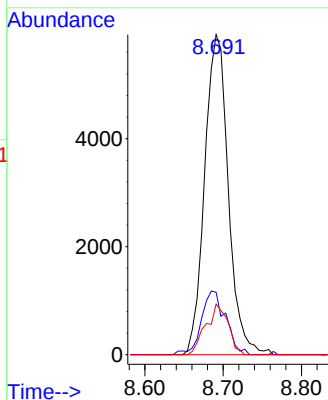
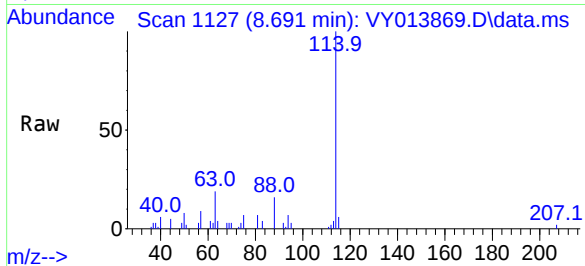




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

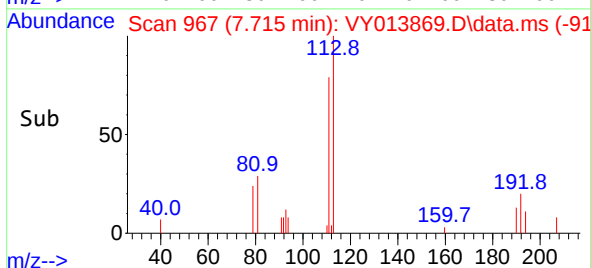
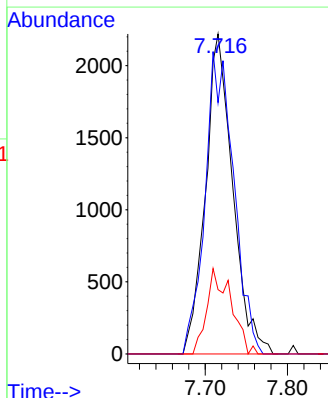
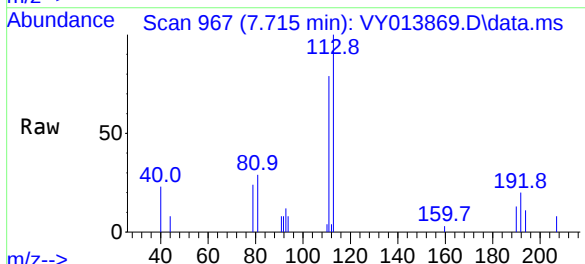
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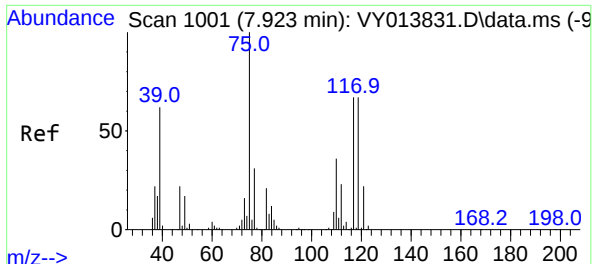
Tgt Ion:	114	Resp:	12444
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.8	0.0	30.0



#35
Dibromofluoromethane
Concen: 63.685 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion:	113	Resp:	5118
Ion	Ratio	Lower	Upper
113	100		
111	99.4	80.4	120.6
192	23.8	16.6	25.0





#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013869.D

Acq: 25 May 2023 13:39

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-052323

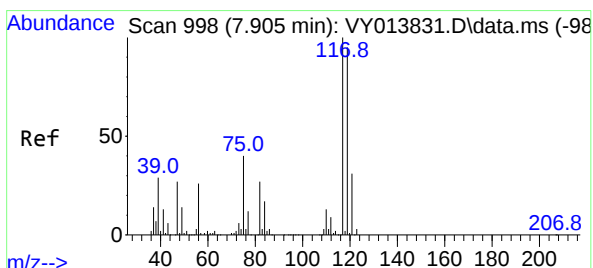
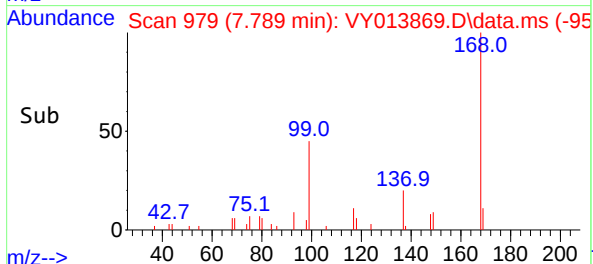
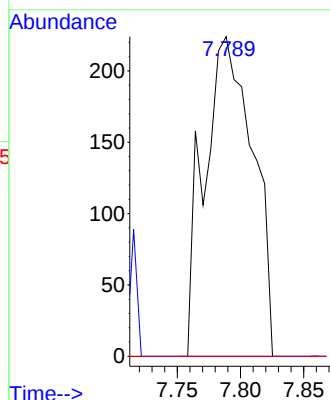
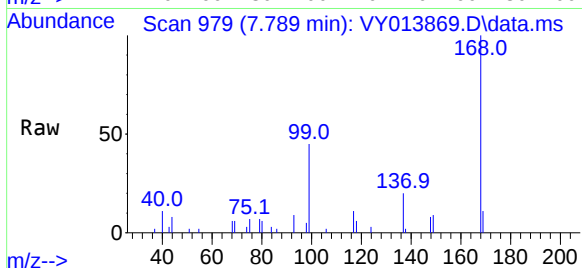
Tgt Ion: 75 Resp: 598

Ion Ratio Lower Upper

75 100

110 0.0 17.5 52.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY013869.D

Acq: 25 May 2023 13:39

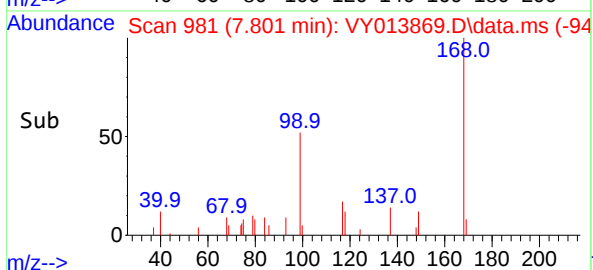
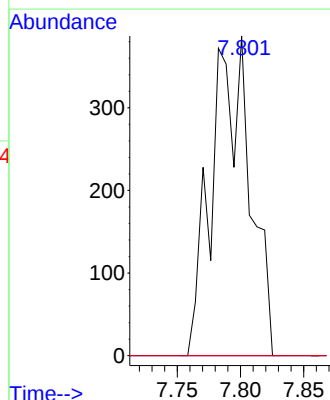
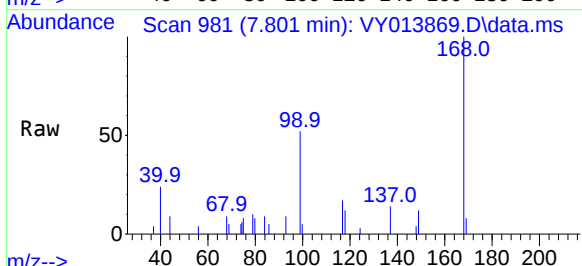
Tgt Ion: 117 Resp: 814

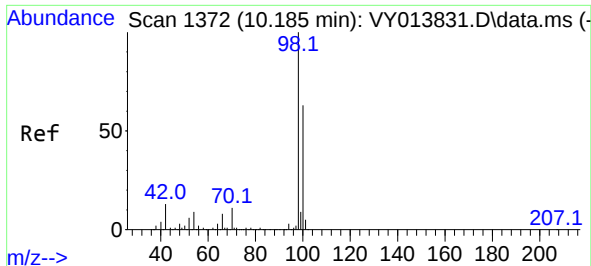
Ion Ratio Lower Upper

117 100

119 0.0 75.6 113.4#

121 0.0 24.8 37.2#

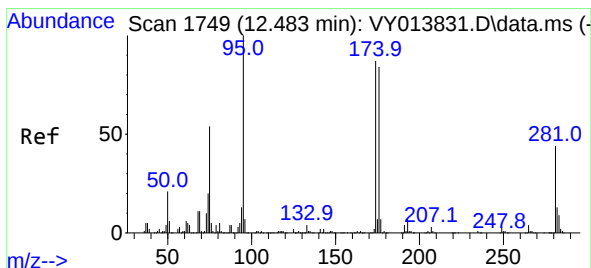
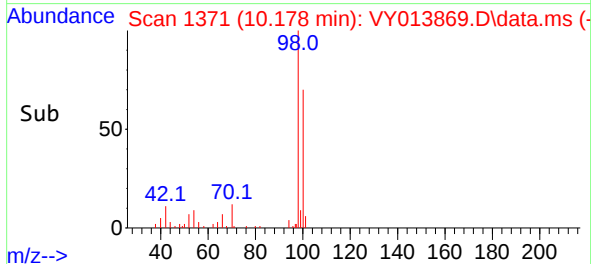
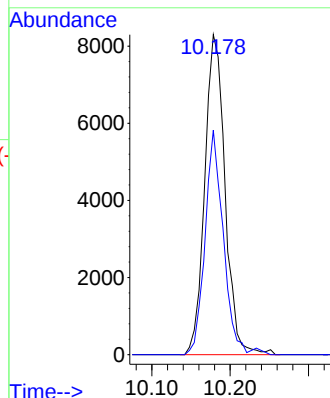
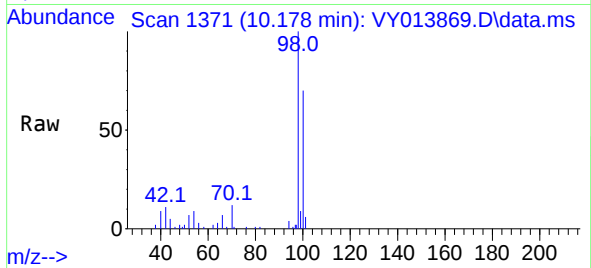




#50
Toluene-d8
Concen: 48.943 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

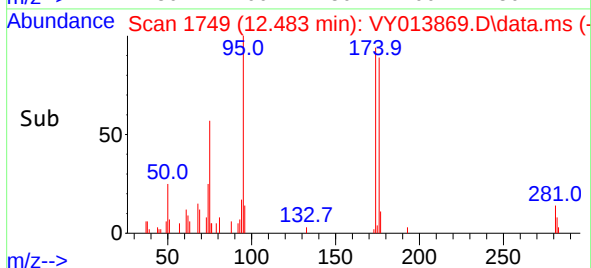
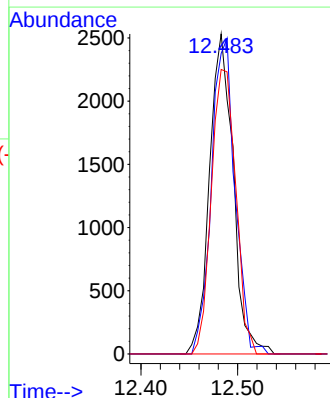
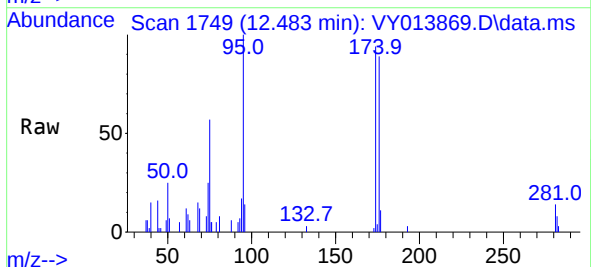
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

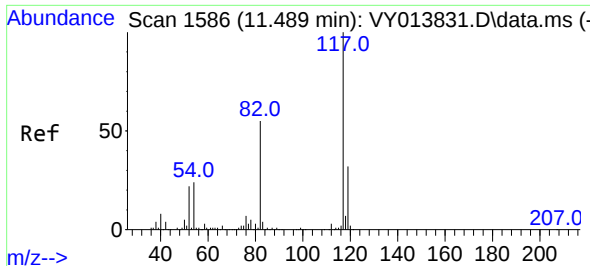
Tgt Ion: 98 Resp: 14949
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 42.323 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion: 95 Resp: 4297
Ion Ratio Lower Upper
95 100
174 98.4 0.0 176.0
176 91.7 0.0 170.2

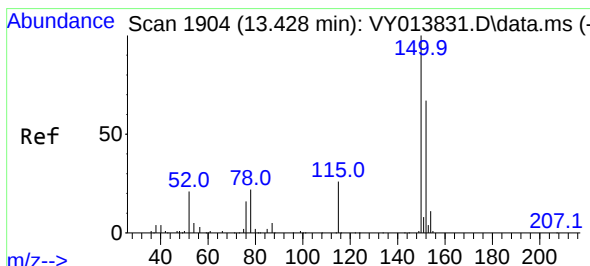
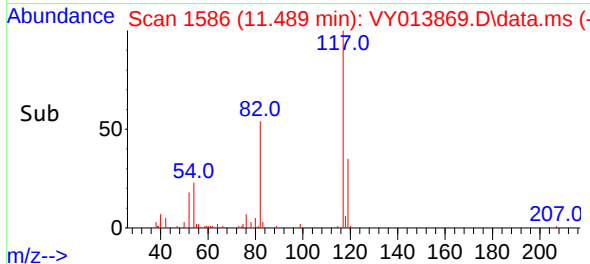
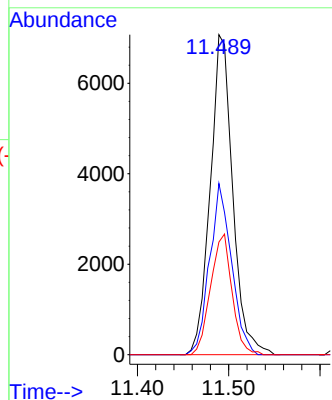
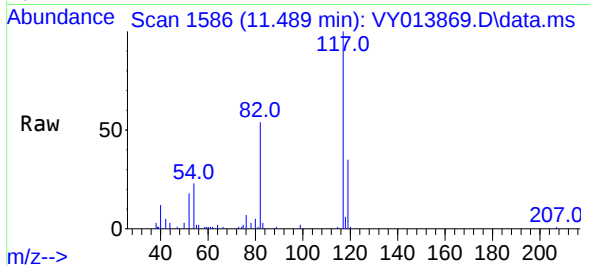




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

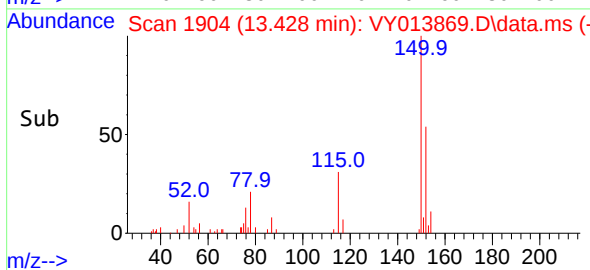
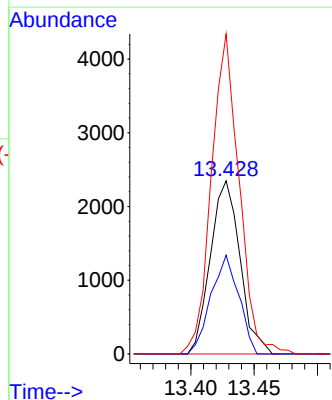
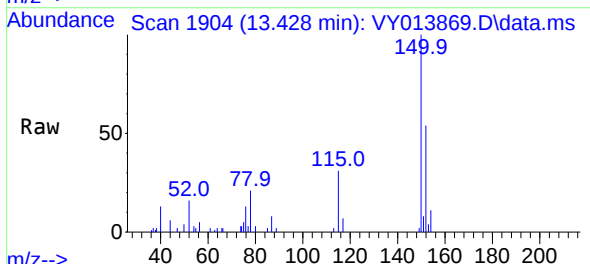
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

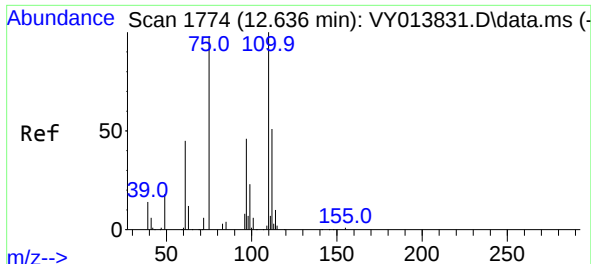
Tgt Ion:	117	Resp:	12069
Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.4
119	35.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion:	152	Resp:	3823
Ion	Ratio	Lower	Upper
152	100		
115	53.6	28.8	86.5
150	173.1	0.0	353.4

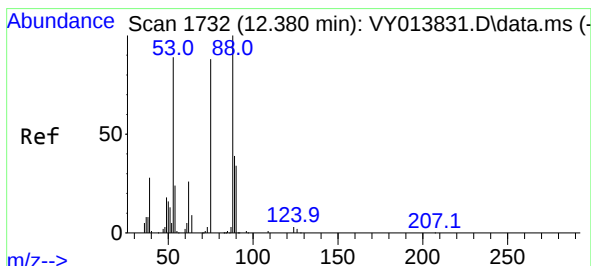
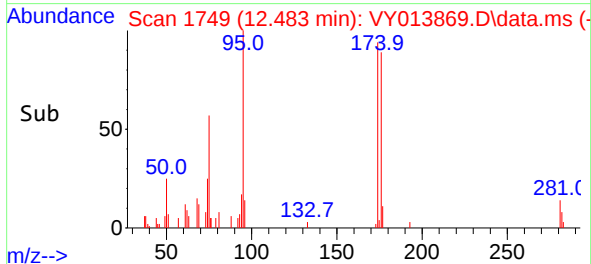
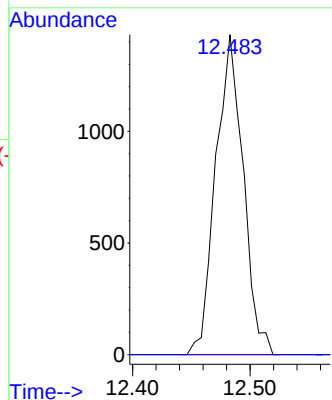
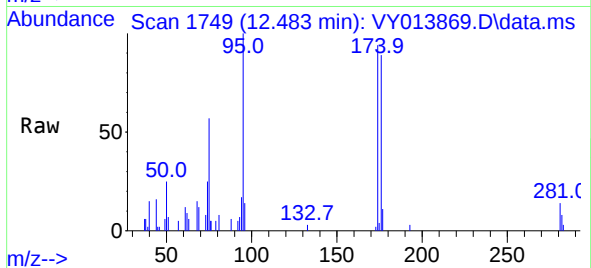




#76
1,2,3-Trichloropropane
Concen: 51.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-052323

Tgt Ion: 75 Resp: 2332
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 112.294 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013869.D
Acq: 25 May 2023 13:39

Tgt Ion: 75 Resp: 2332
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#

