

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011706.D
 Acq On : 05 Dec 2022 19:00
 Operator : KP/MD
 Sample : N5884-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-120522

Quant Time: Dec 06 00:38:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

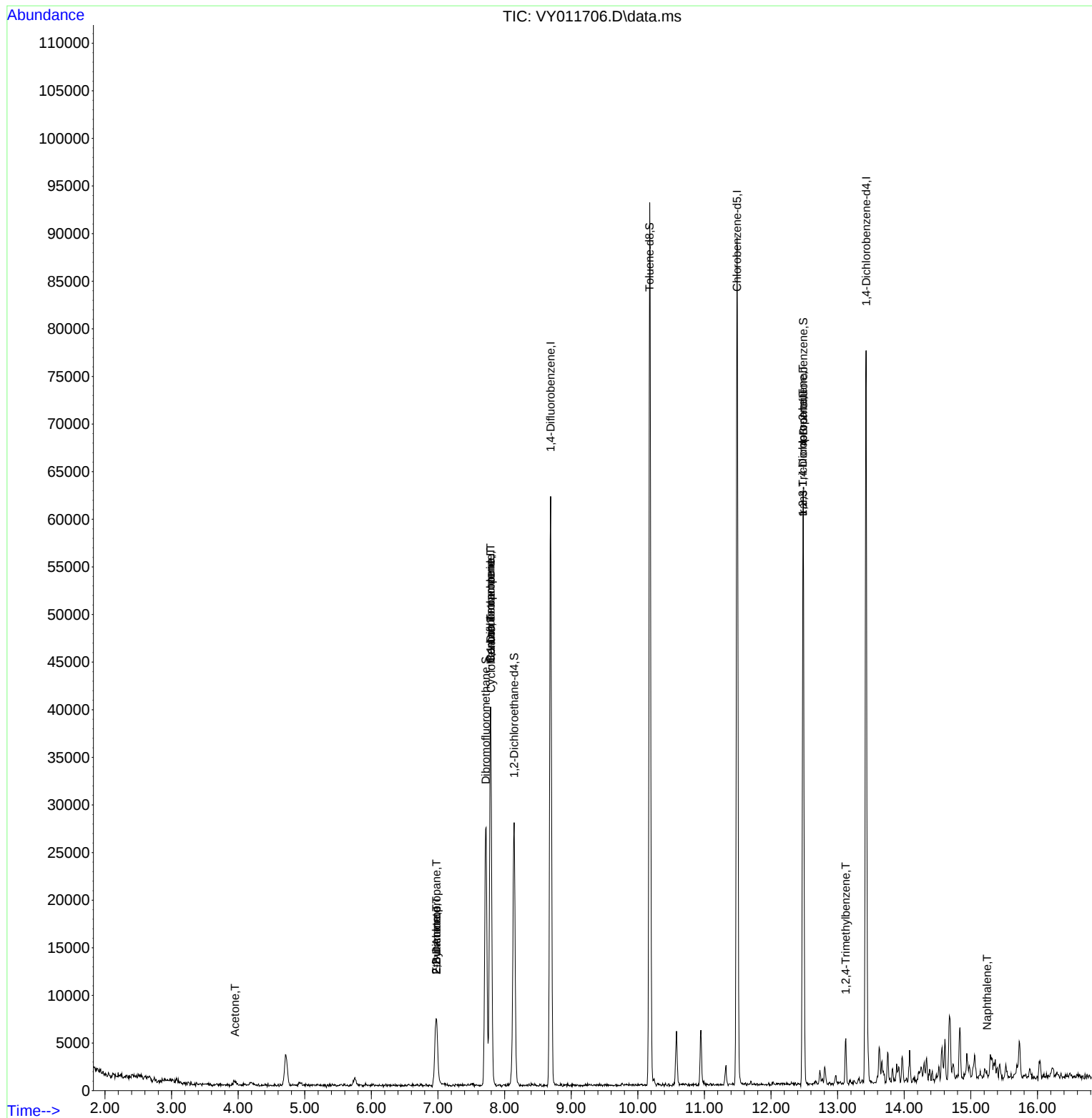
Internal Standards						
1) Pentafluorobenzene	7.789	168	31156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	51818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	49754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	21877	69.153	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.300%			
35) Dibromofluoromethane	7.716	113	19637	61.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.120%			
50) Toluene-d8	10.179	98	63117	54.450	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.900%			
62) 4-Bromofluorobenzene	12.483	95	18355	42.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.660%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	90	Below Cal	#	44
5) Bromomethane	2.668	94	168	Below Cal		94
11) Tert butyl alcohol	4.948	59	215	Below Cal	#	77
16) Acetone	3.954	43	790	7.688	ug/l	97
18) Methyl Acetate	4.198	43	86	Below Cal	#	56
20) Methylene Chloride	4.716	84	2501	Below Cal		90
25) 2-Butanone	6.978	43	380	2.814	ug/l #	54
26) 2,2-Dichloropropane	6.978	77	574	1.010	ug/l #	55
31) Cyclohexane	7.795	56	553	1.055	ug/l #	5
36) 1,1-Dichloropropene	7.789	75	2452	4.918	ug/l #	48
37) Ethyl Acetate	6.978	43	380	1.338	ug/l #	1
38) Carbon Tetrachloride	7.789	117	3088	5.535	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	9288	43.004	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9288	94.194	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	2851	2.361	ug/l	98
95) Naphthalene	15.245	128	557	4.741	ug/l #	74

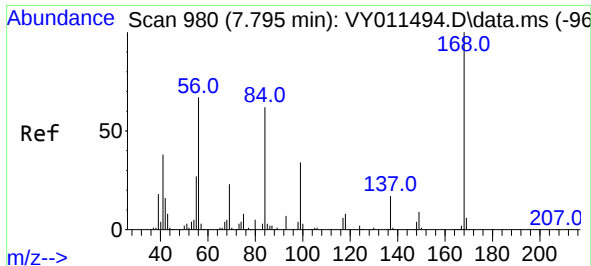
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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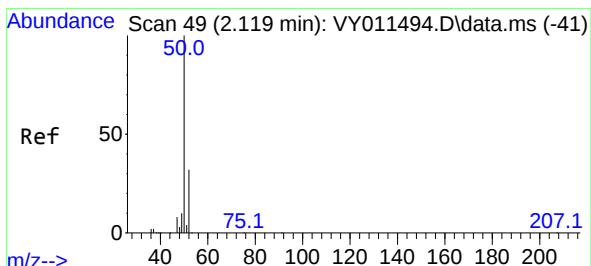
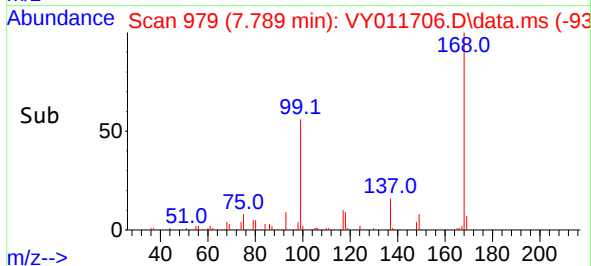
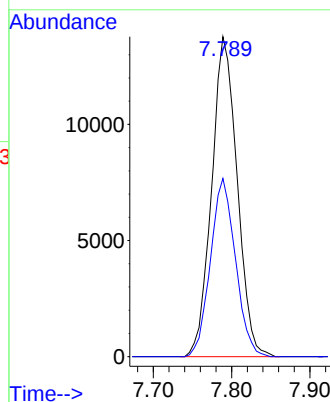
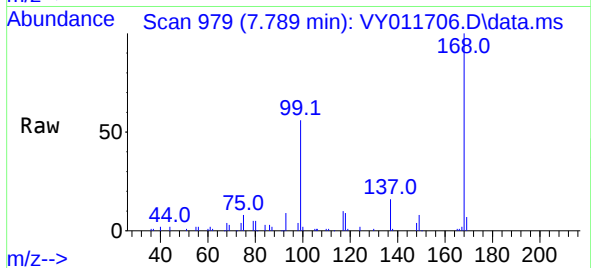




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

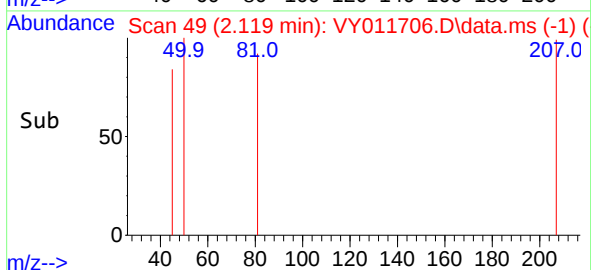
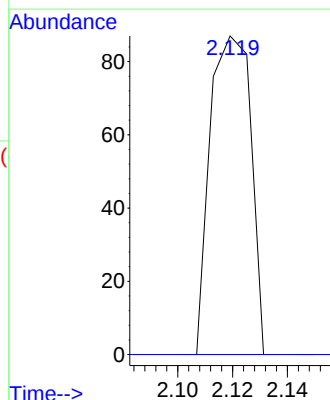
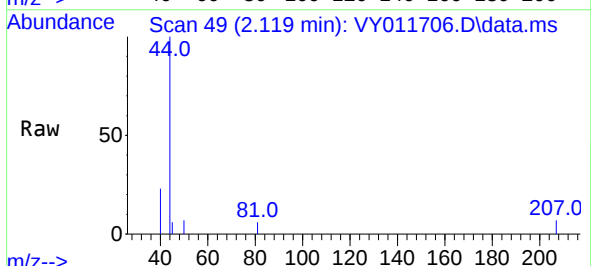
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

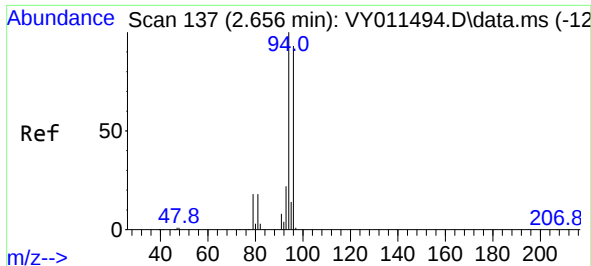
Tgt Ion:168 Resp: 31156
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 50 Resp: 90
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

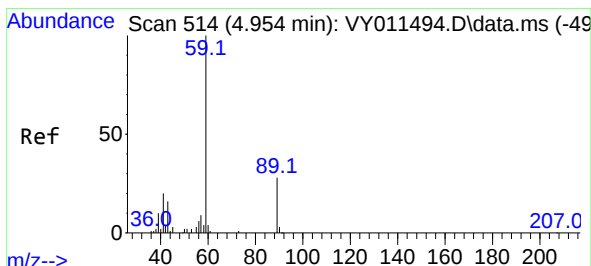
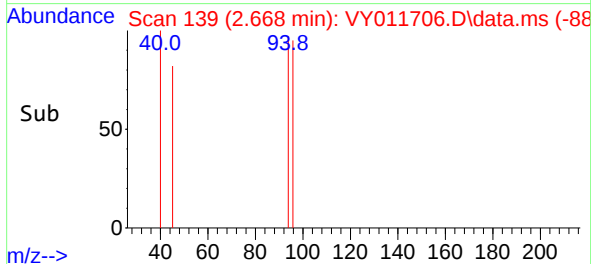
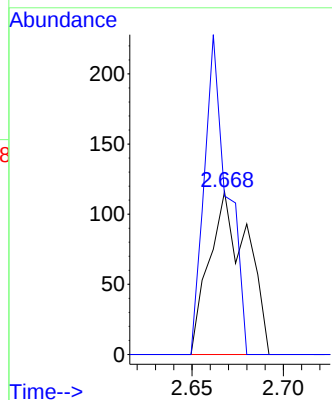
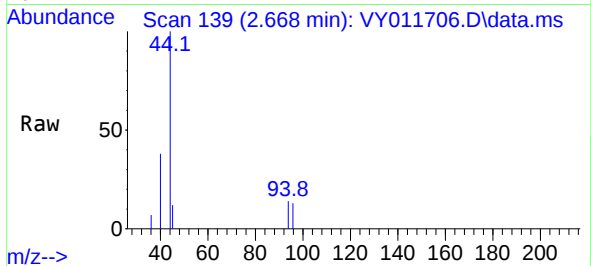




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

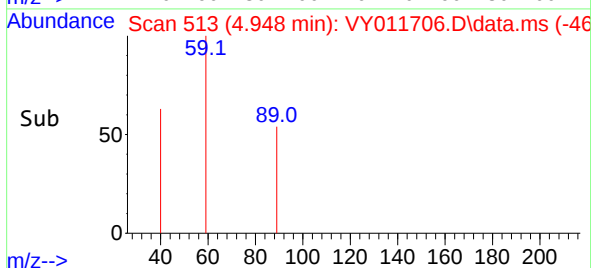
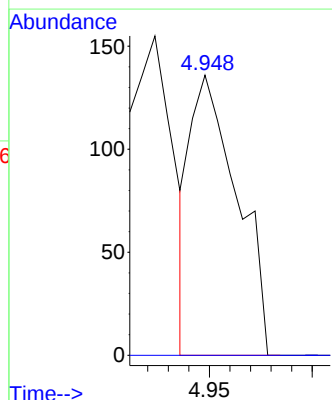
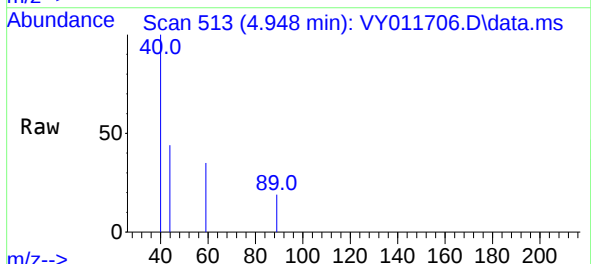
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

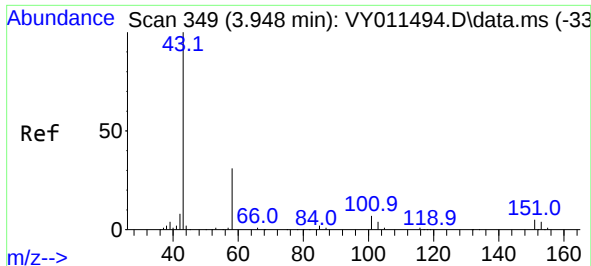
Tgt Ion: 94 Resp: 168
Ion Ratio Lower Upper
94 100
96 97.4 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

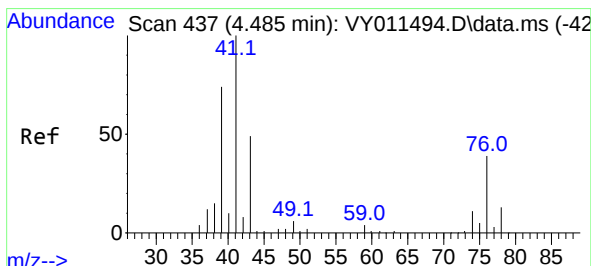
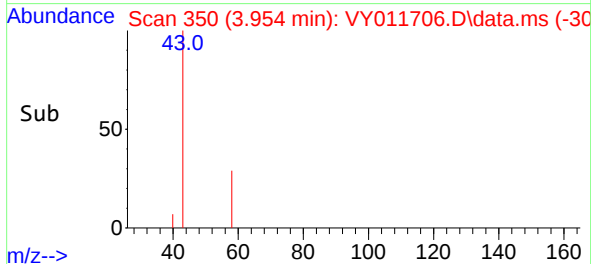
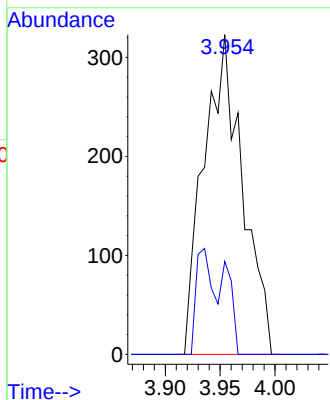
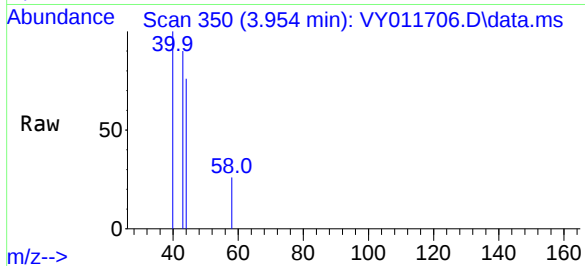




#16
Acetone
Concen: 7.688 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

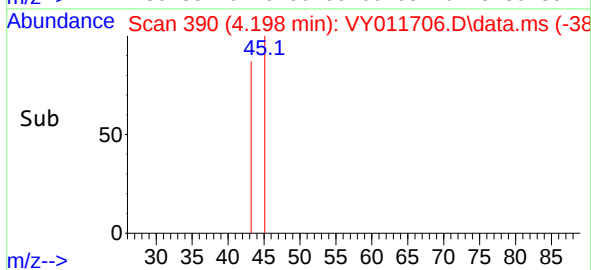
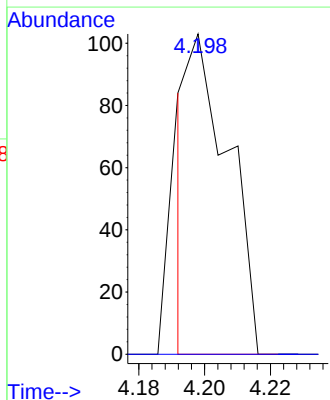
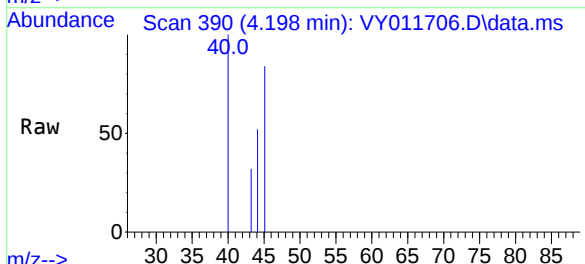
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

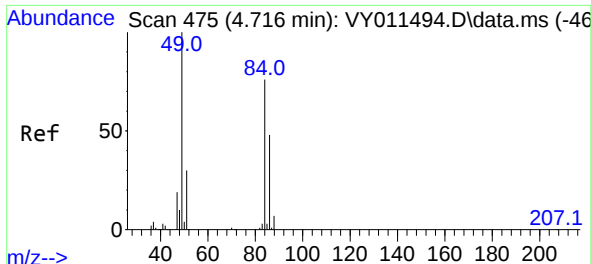
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 29.1 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. -0.287 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



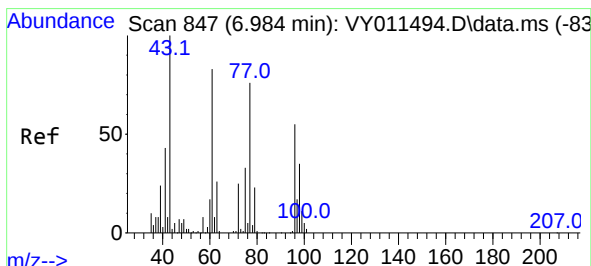
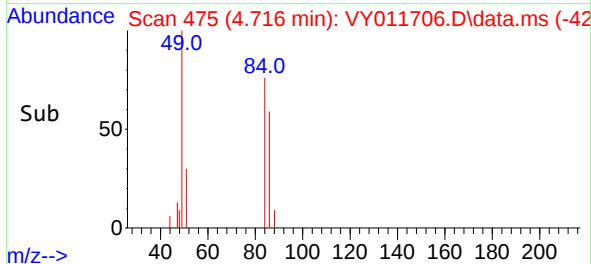
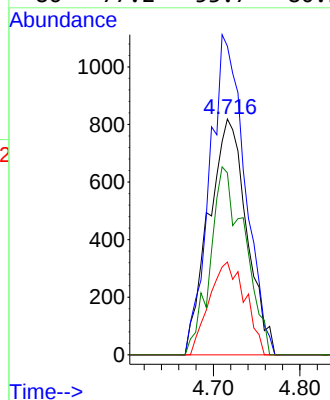
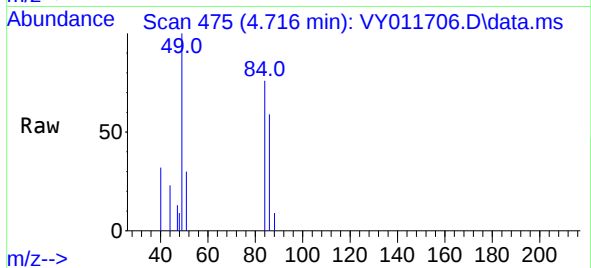


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

Tgt Ion: 84 Resp: 2501

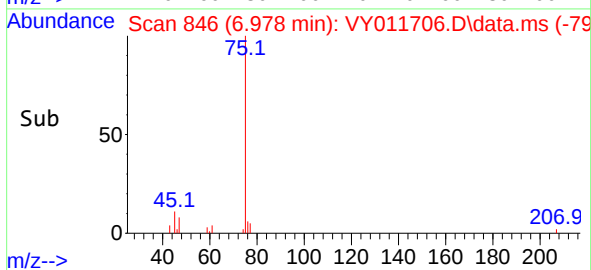
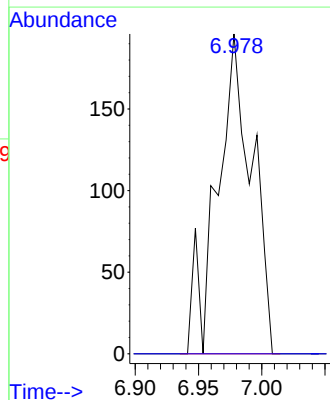
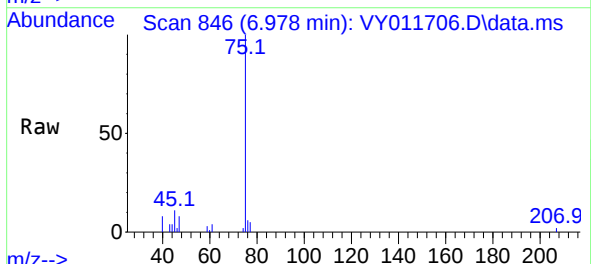
Ion	Ratio	Lower	Upper
84	100		
49	130.9	114.4	171.6
51	39.3	35.3	52.9
86	77.2	53.7	80.5

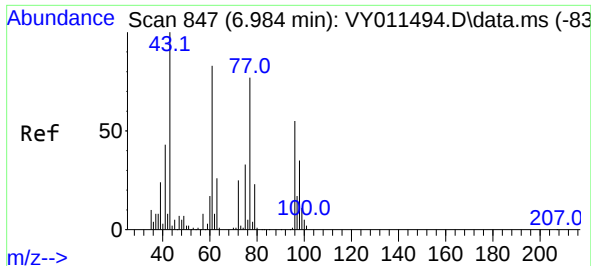


#25
2-Butanone
Concen: 2.814 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 43 Resp: 380

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.010 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011706.D

Acq: 05 Dec 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

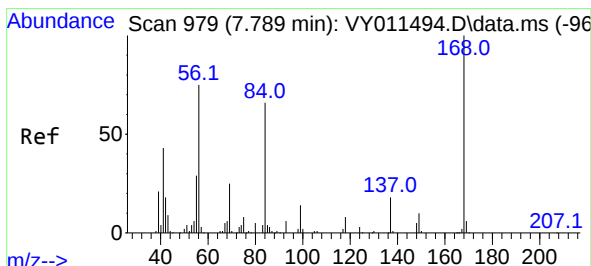
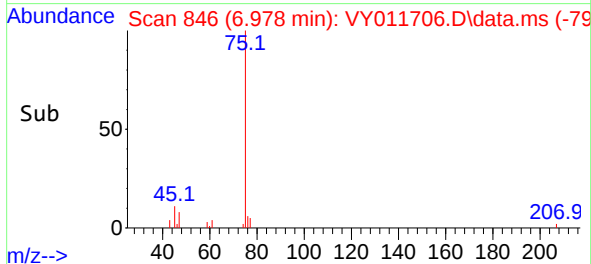
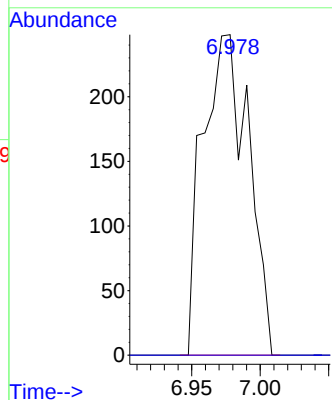
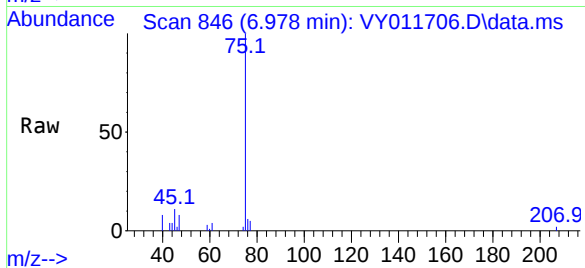
EO-3-120522

Tgt Ion: 77 Resp: 574

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011706.D

Acq: 05 Dec 2022 19:00

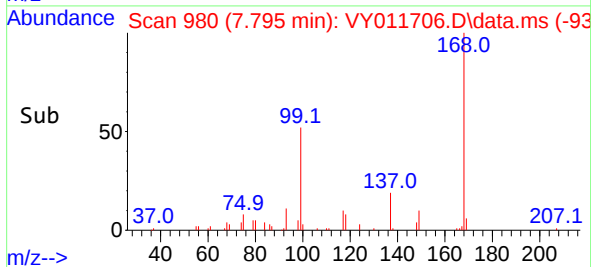
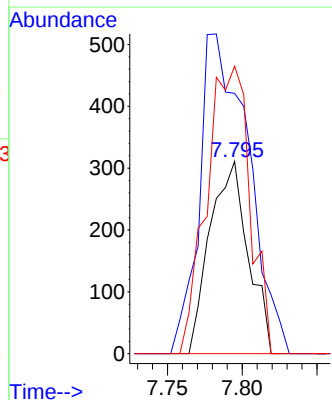
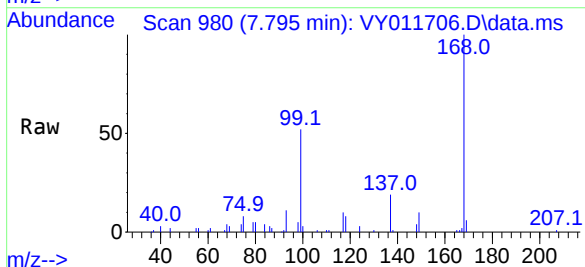
Tgt Ion: 56 Resp: 553

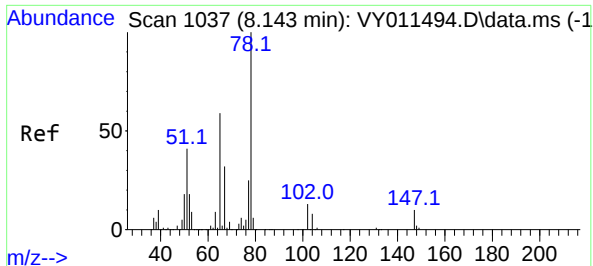
Ion Ratio Lower Upper

56 100

69 119.0 26.7 40.1#

84 149.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.153 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011706.D

Acq: 05 Dec 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

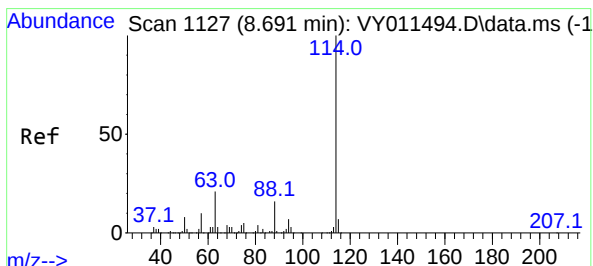
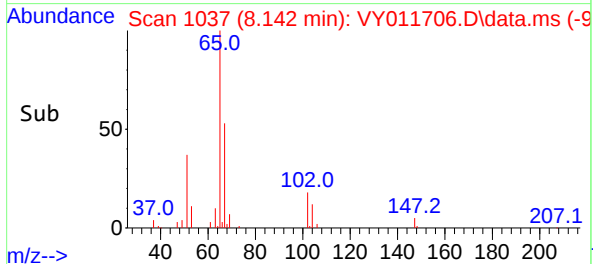
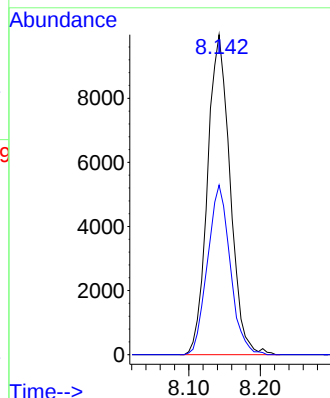
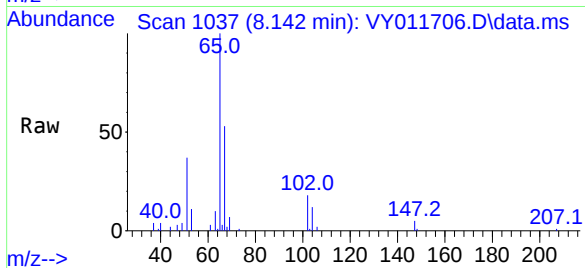
EO-3-120522

Tgt Ion: 65 Resp: 21877

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011706.D

Acq: 05 Dec 2022 19:00

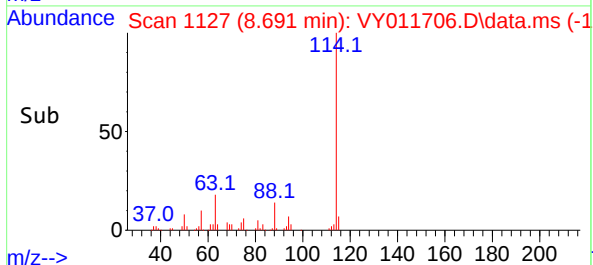
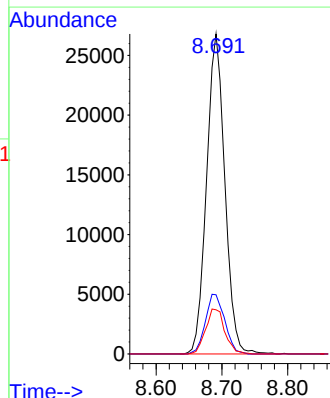
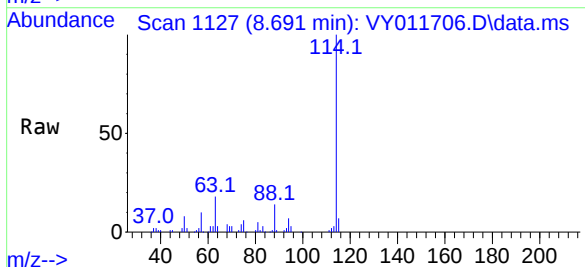
Tgt Ion: 114 Resp: 51818

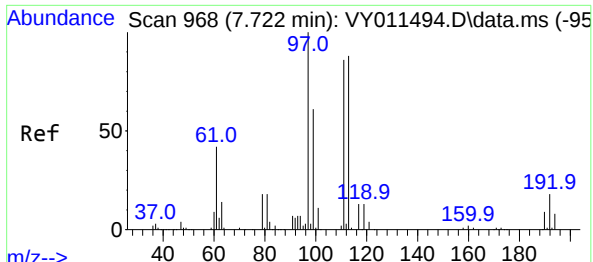
Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 13.8 0.0 31.8

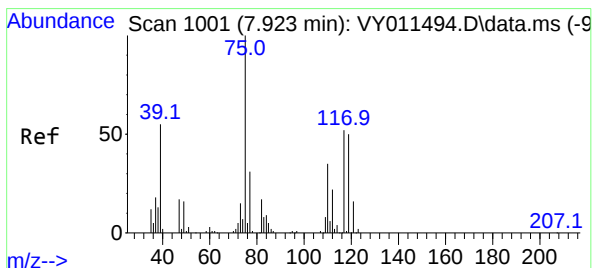
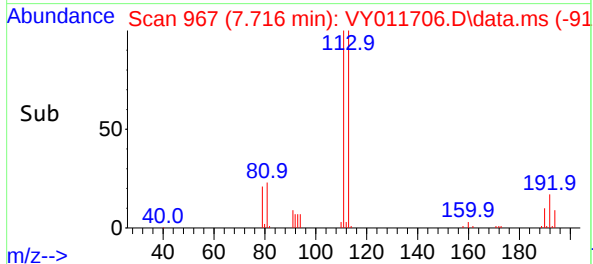
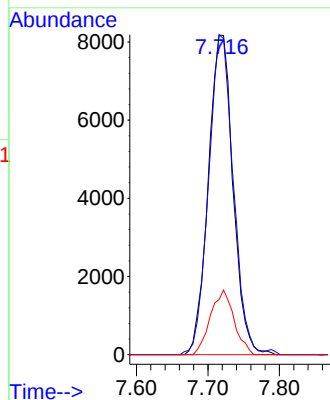
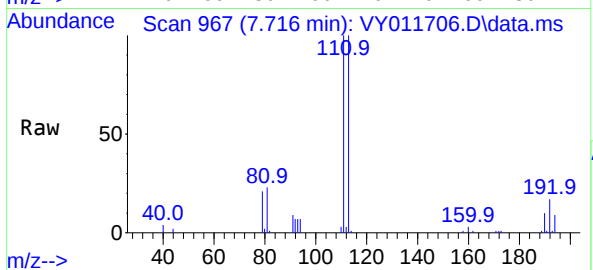




#35
 Dibromofluoromethane
 Concen: 61.560 ug/l
 RT: 7.716 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY011706.D
 Acq: 05 Dec 2022 19:00

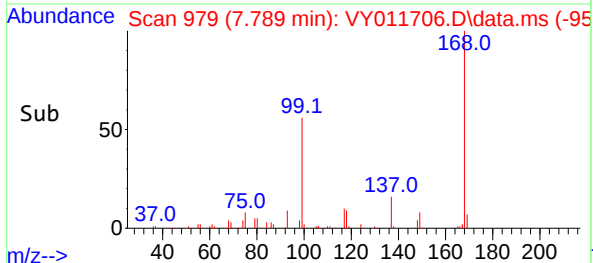
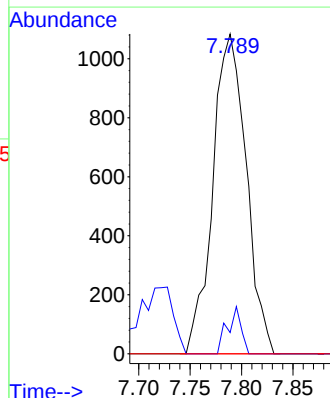
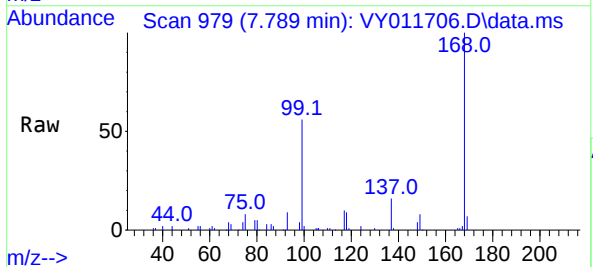
Instrument :
 MSVOA_Y
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 EO-3-120522

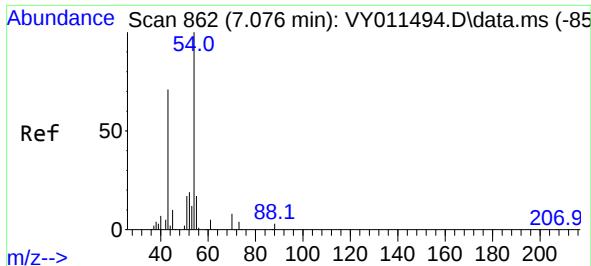
Tgt Ion:	113	Resp:	19637
Ion	Ratio	Lower	Upper
113	100		
111	99.5	82.6	124.0
192	19.3	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.134 min
 Lab File: VY011706.D
 Acq: 05 Dec 2022 19:00

Tgt Ion:	75	Resp:	2452
Ion	Ratio	Lower	Upper
75	100		
110	6.0	17.1	51.2#
77	0.0	24.4	36.6#

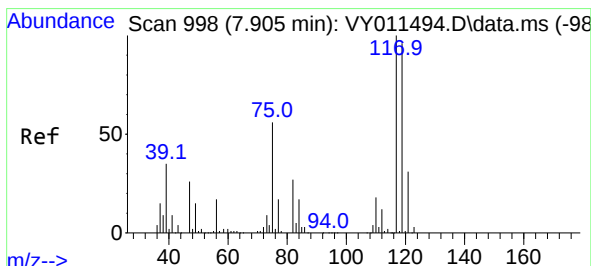
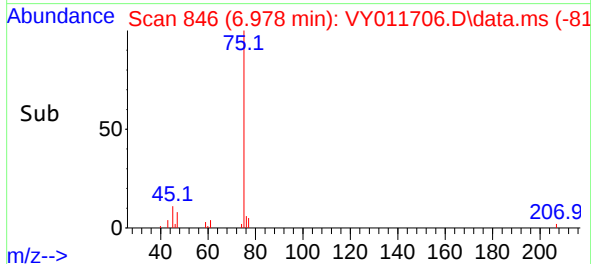
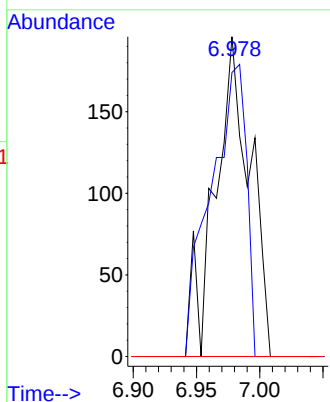
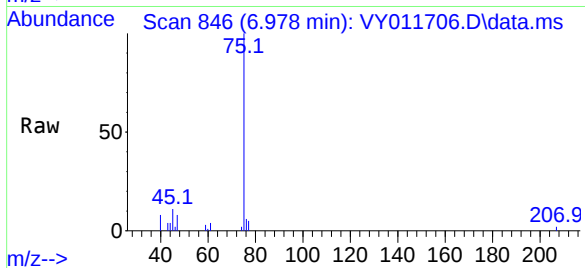




#37
Ethyl Acetate
Concen: 1.338 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

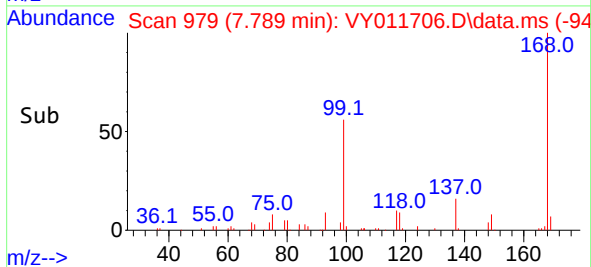
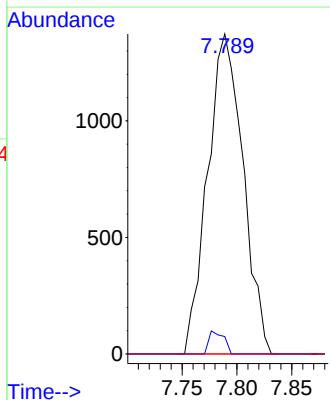
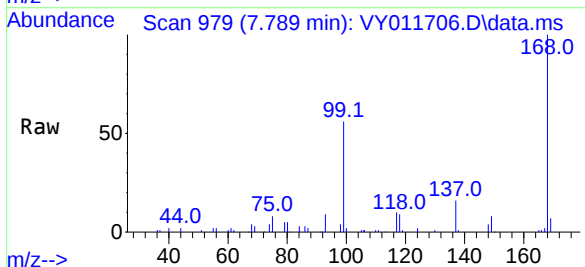
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

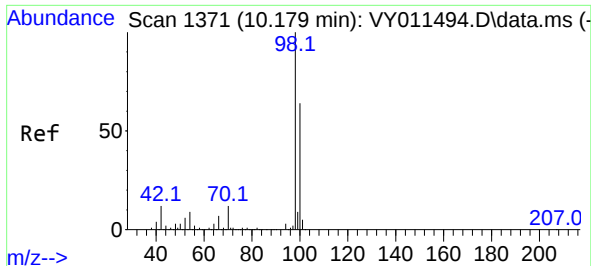
Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
61 92.1 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 117 Resp: 3088
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#

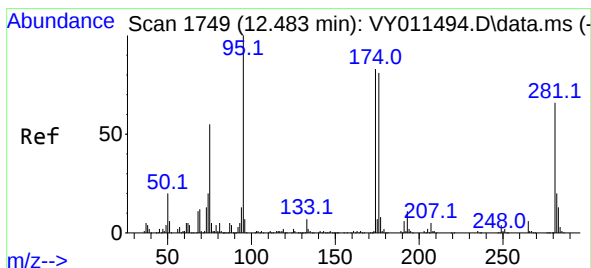
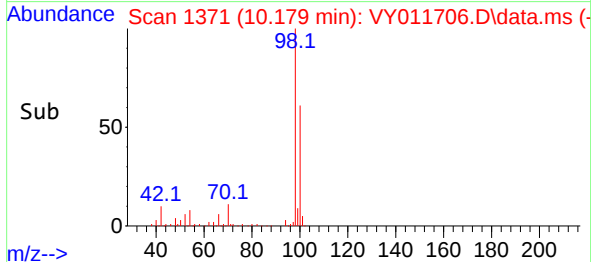
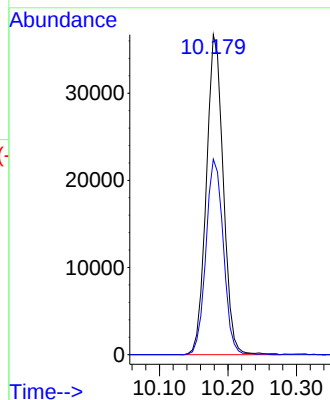
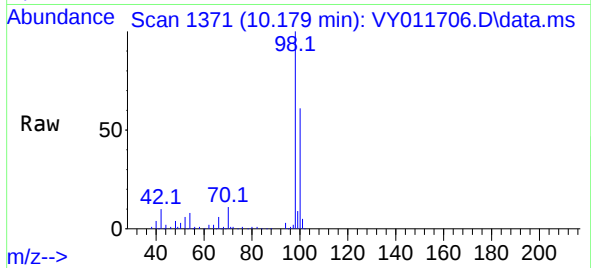




#50
Toluene-d8
Concen: 54.450 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

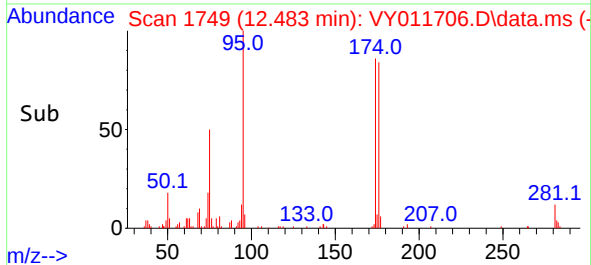
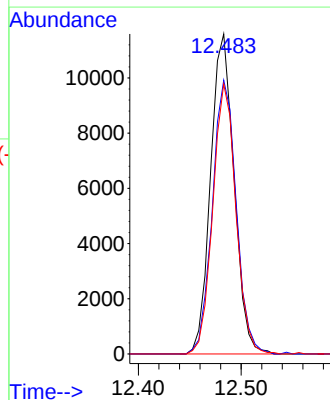
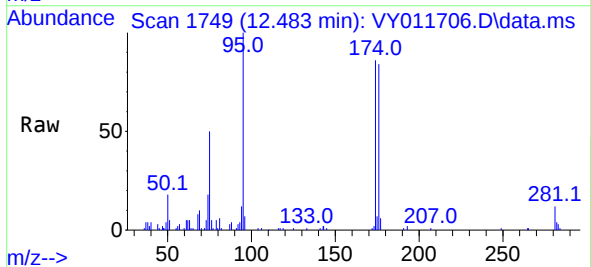
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

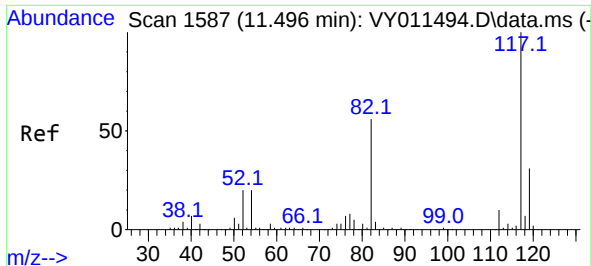
Tgt Ion: 98 Resp: 63117
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.827 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 95 Resp: 18355
Ion Ratio Lower Upper
95 100
174 87.2 0.0 177.0
176 83.1 0.0 175.8

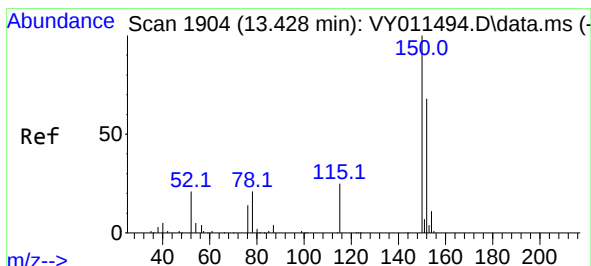
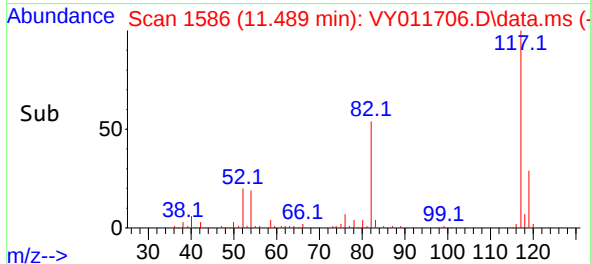
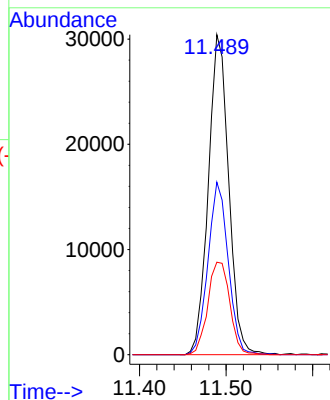
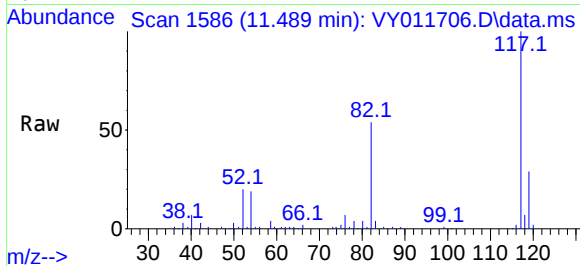




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

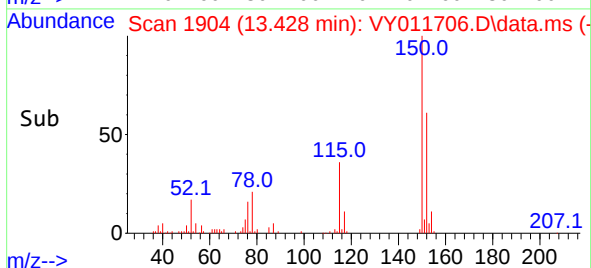
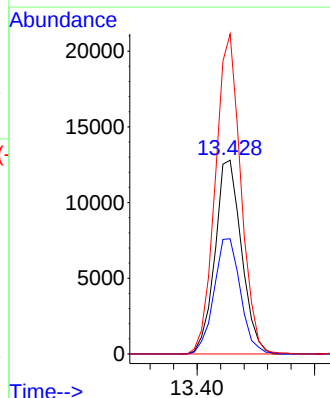
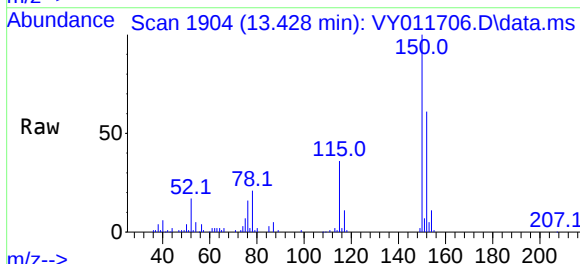
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

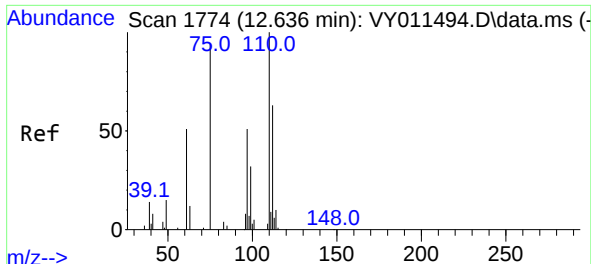
Tgt Ion:117	Resp:	49754
Ion	Ratio	Lower Upper
117	100	
82	53.9	43.0 64.4
119	28.9	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion:152	Resp:	20055
Ion	Ratio	Lower Upper
152	100	
115	59.5	28.2 84.7
150	158.7	0.0 347.6

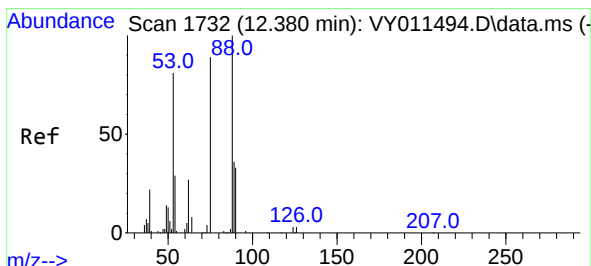
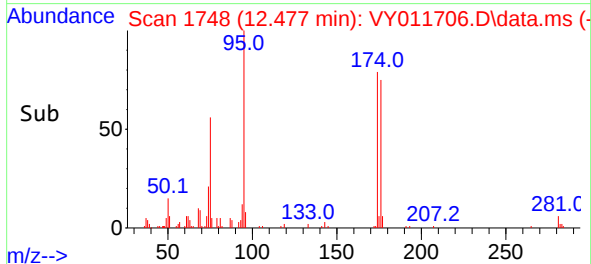
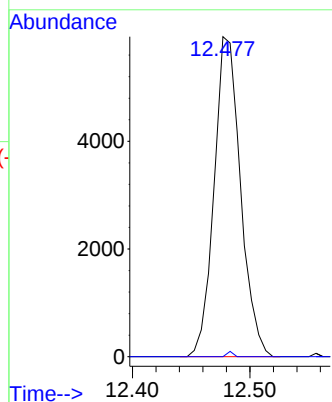
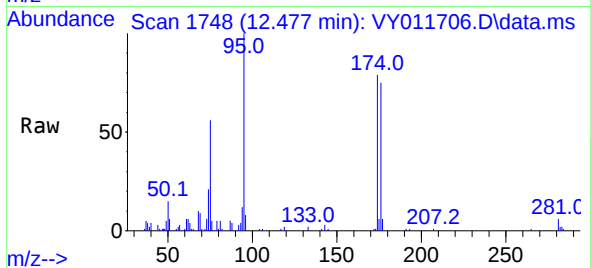




#76
1,2,3-Trichloropropane
Concen: 43.004 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

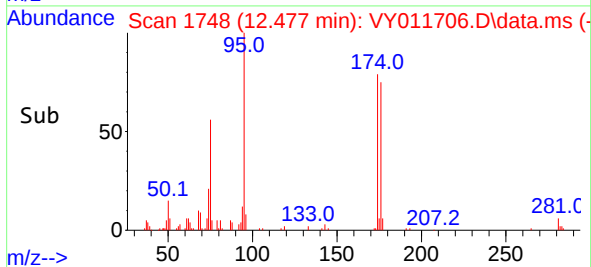
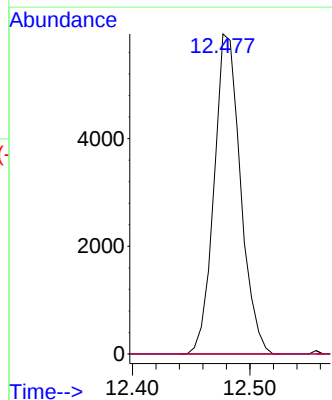
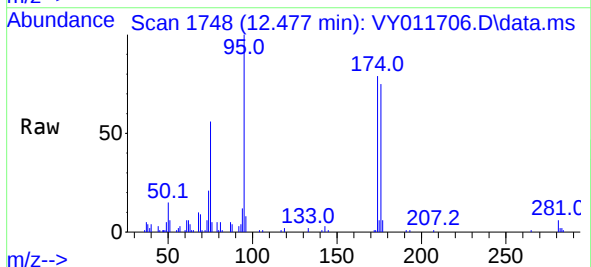
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

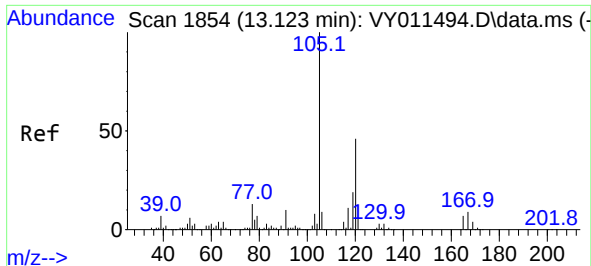
Tgt Ion: 75 Resp: 9288
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.194 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion: 75 Resp: 9288
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

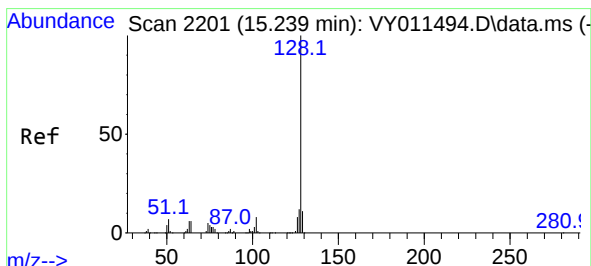
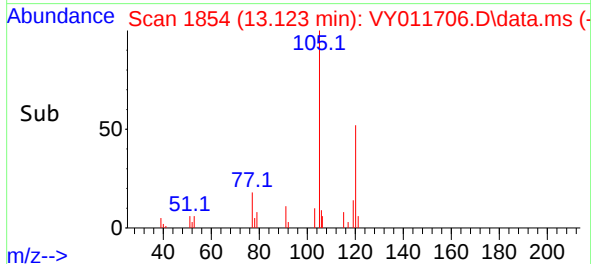
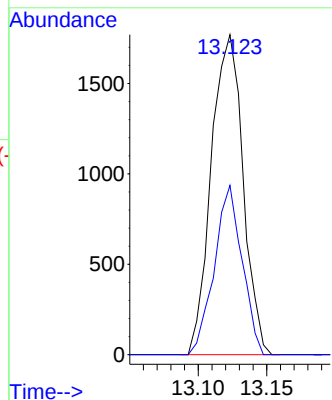
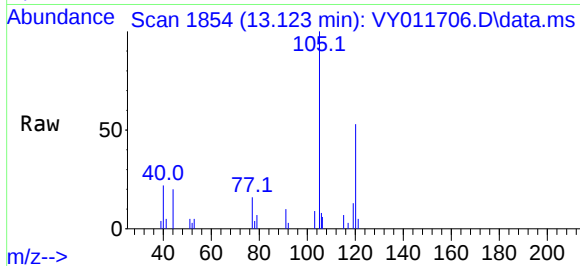




#84
1,2,4-Trimethylbenzene
Concen: 2.361 ug/l
RT: 13.123 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-120522

Tgt Ion:105 Resp: 2851
Ion Ratio Lower Upper
105 100
120 46.2 22.3 66.9



#95
Naphthalene
Concen: 4.741 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY011706.D
Acq: 05 Dec 2022 19:00

Tgt Ion:128 Resp: 557
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 4.7 8.4 12.6#

