

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011508.D
 Acq On : 18 Nov 2022 17:47
 Operator : KP/MD
 Sample : N5696-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-111722

Quant Time: Nov 19 22:41:58 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)

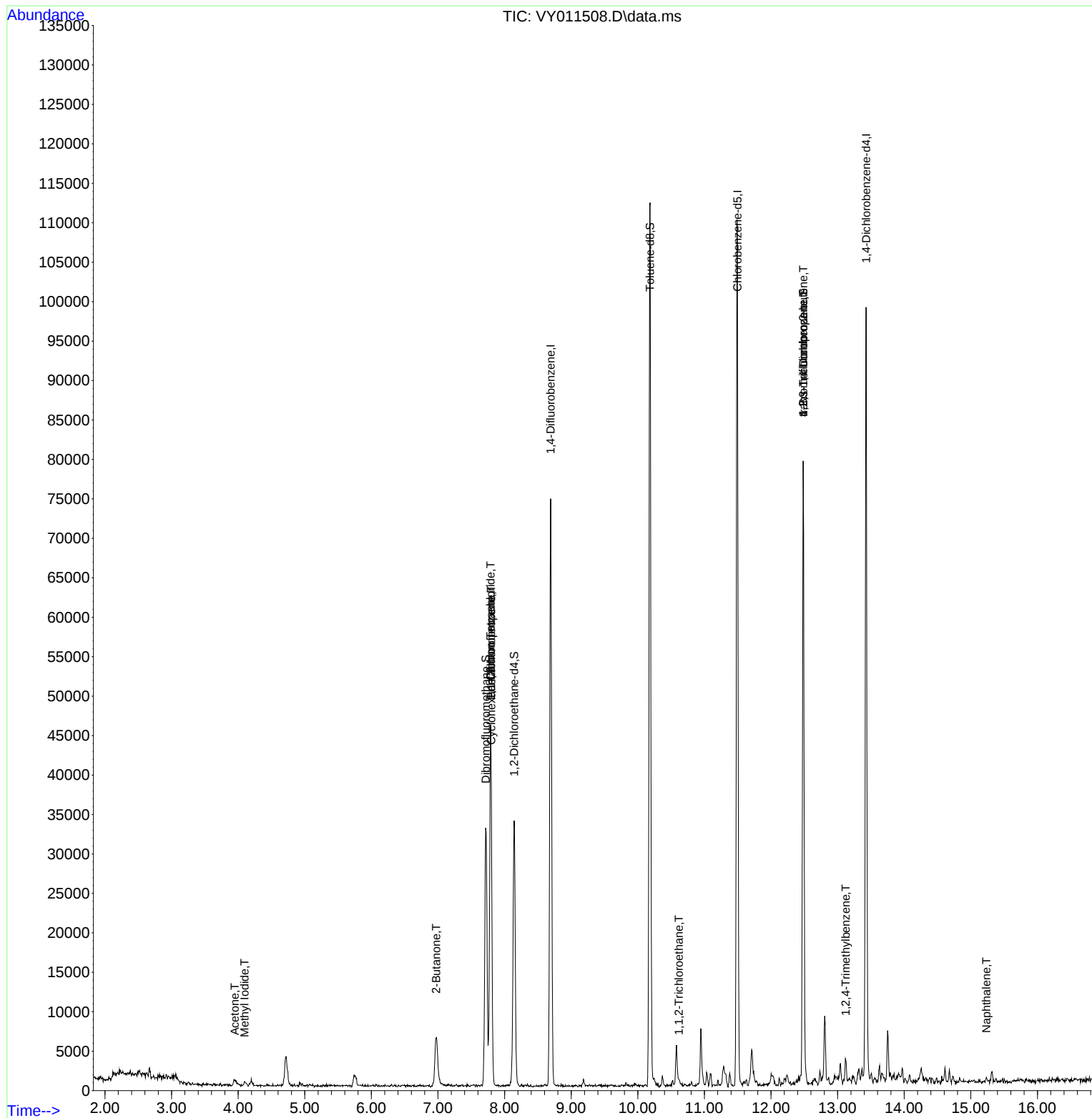
Internal Standards						
1) Pentafluorobenzene	7.795	168	35290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	61779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	60293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	26040	72.670	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.340%	
35) Dibromofluoromethane	7.716	113	23294	61.250	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.500%	
50) Toluene-d8	10.185	98	75571	54.682	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.360%	
62) 4-Bromofluorobenzene	12.483	95	23031	45.073	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	201	Below Cal	#	44
5) Bromomethane	2.668	94	371	Below Cal		94
10) Methyl Iodide	4.094	142	578	1.465	ug/l #	92
11) Tert butyl alcohol	4.948	59	413	Below Cal	#	77
16) Acetone	3.948	43	1515	13.016	ug/l	91
18) Methyl Acetate	4.228	43	106	Below Cal	#	56
20) Methylene Chloride	4.716	84	2694	Below Cal	#	80
25) 2-Butanone	6.972	43	264	1.726	ug/l #	54
31) Cyclohexane	7.801	56	801	1.349	ug/l #	48
36) 1,1-Dichloropropene	7.795	75	3016	5.073	ug/l #	50
38) Carbon Tetrachloride	7.789	117	3457	5.198	ug/l #	15
55) 1,1,2-Trichloroethane	10.618	97	367	1.037	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	11977	45.854	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11977	100.435	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	1908	1.307	ug/l	97
95) Naphthalene	15.233	128	571	4.631	ug/l #	69

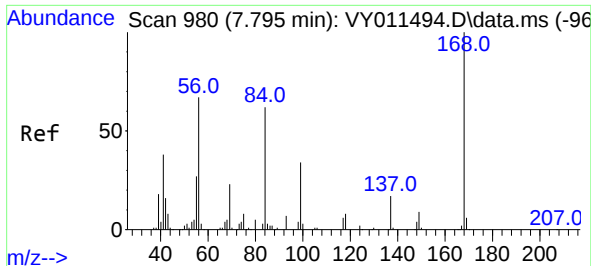
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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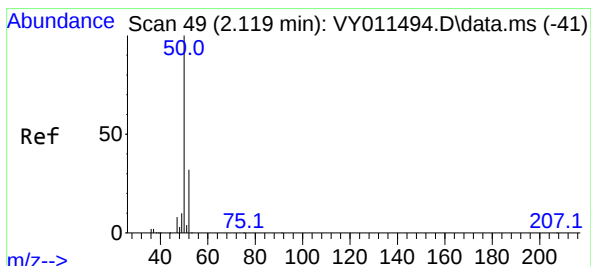
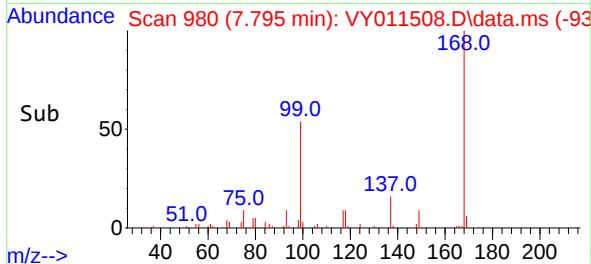
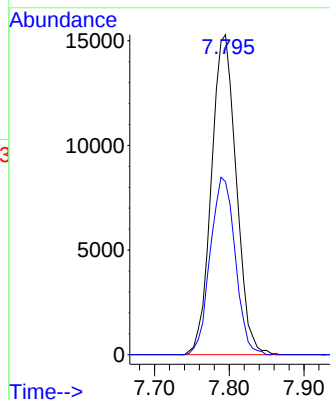
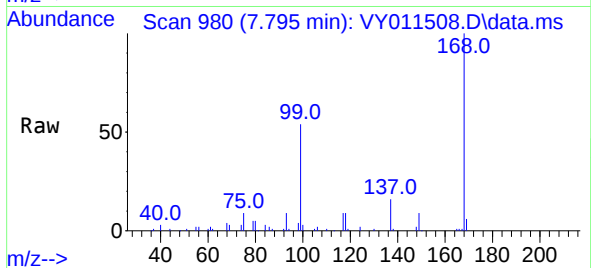




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

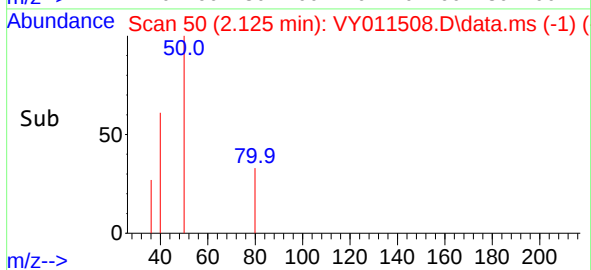
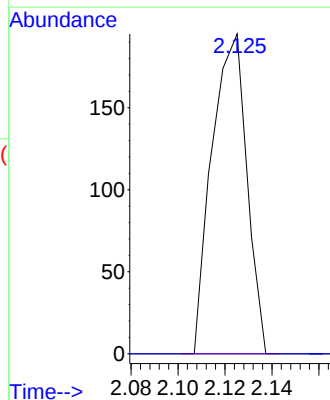
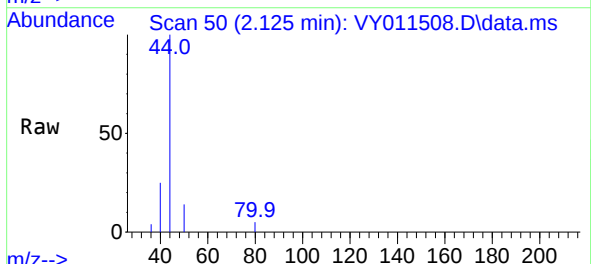
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

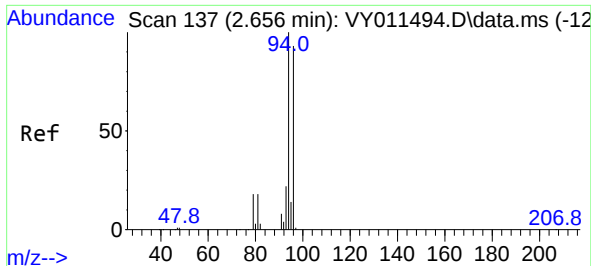
Tgt Ion:168 Resp: 35290
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

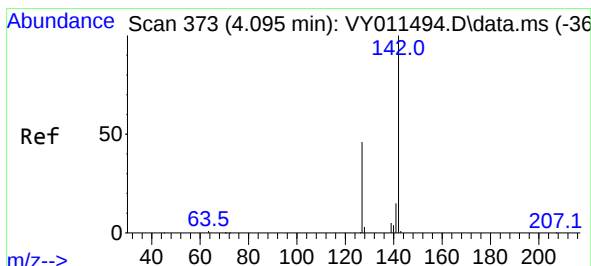
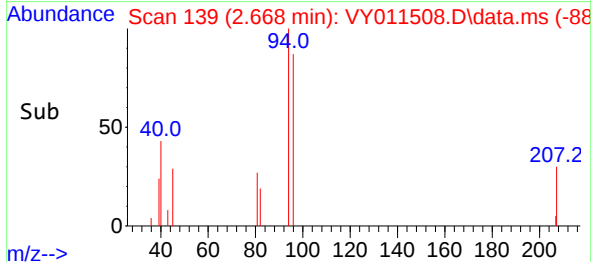
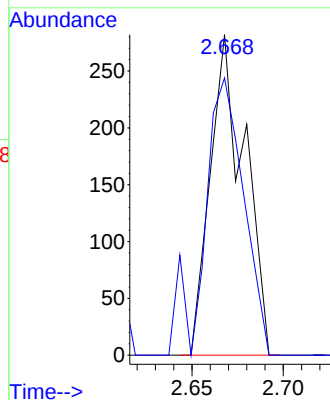
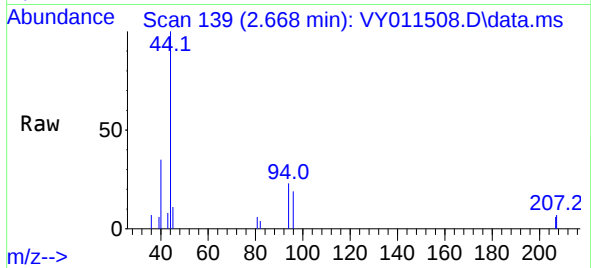




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

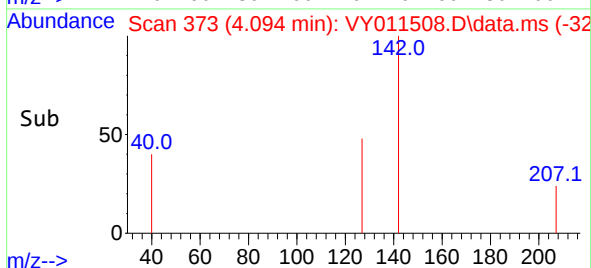
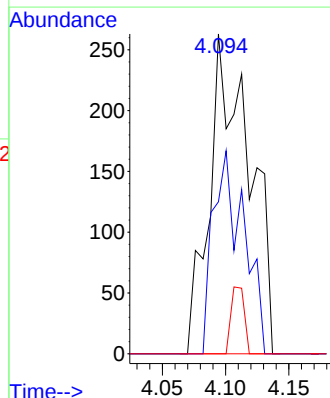
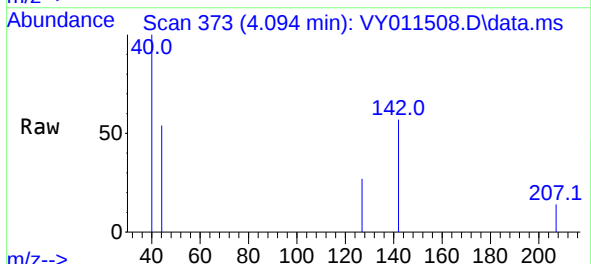
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

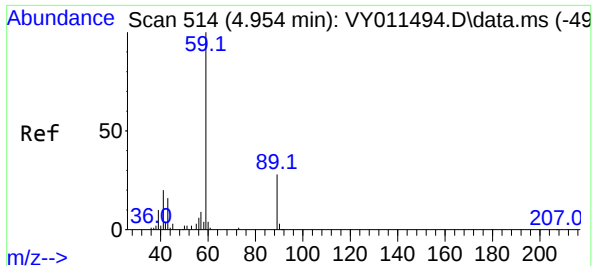
Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 86.5 73.5 110.3



#10
Methyl Iodide
Concen: 1.465 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.001 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 142 Resp: 578
Ion Ratio Lower Upper
142 100
127 48.8 41.5 62.3
141 6.9 11.9 17.9#

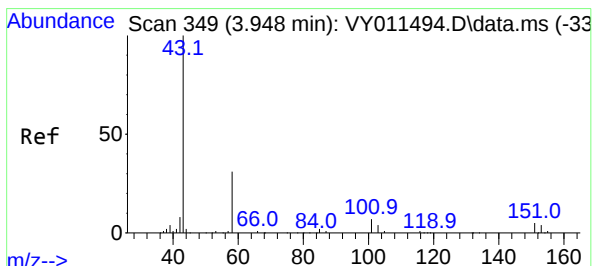
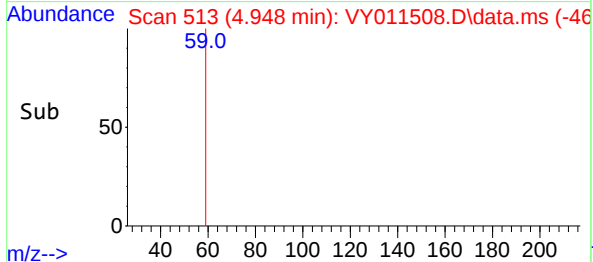
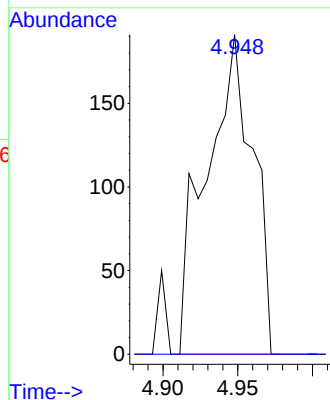
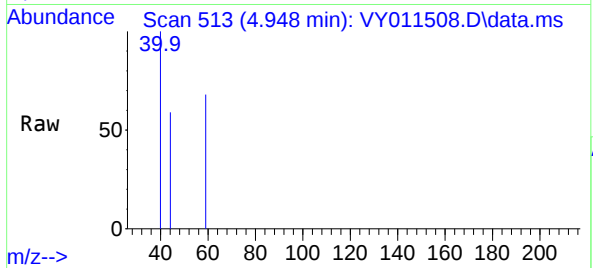




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

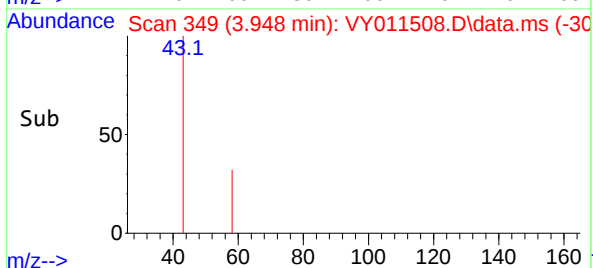
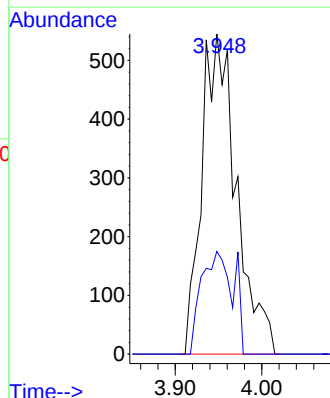
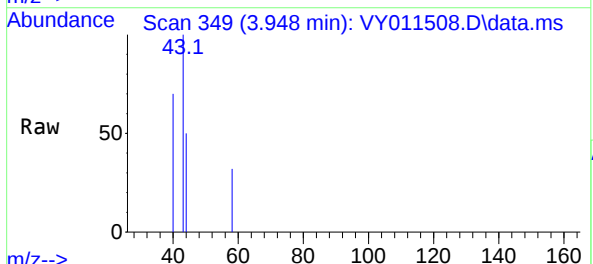
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

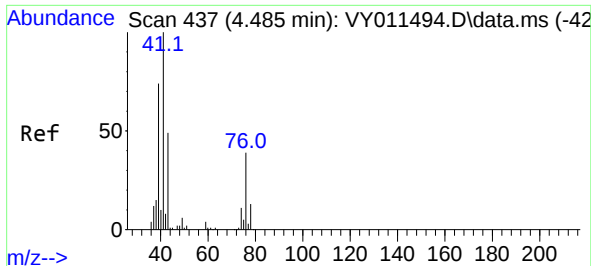
Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 13.016 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
58 32.1 22.0 33.0

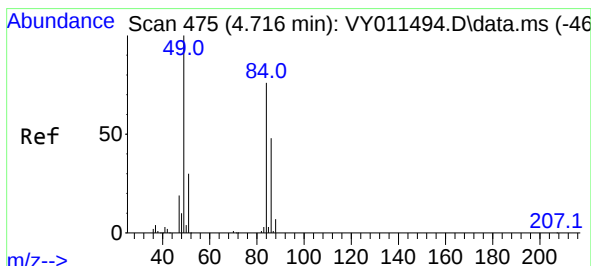
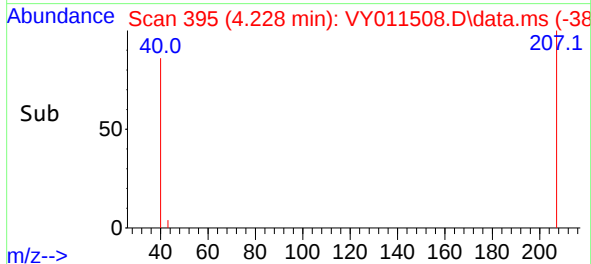
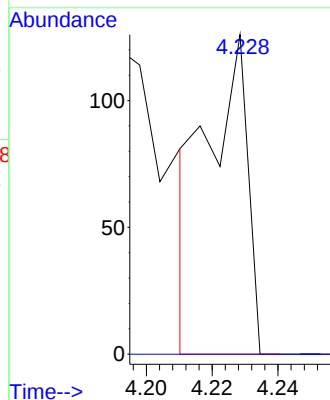
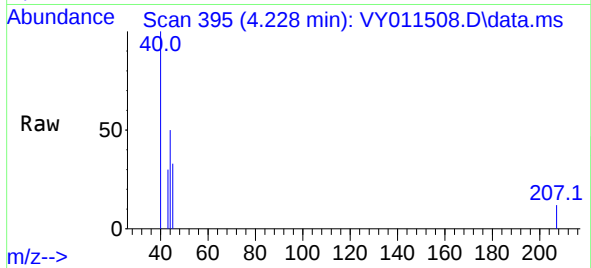




#18
Methyl Acetate
Concen: Below Cal
RT: 4.228 min Scan# 395
Delta R.T. -0.257 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

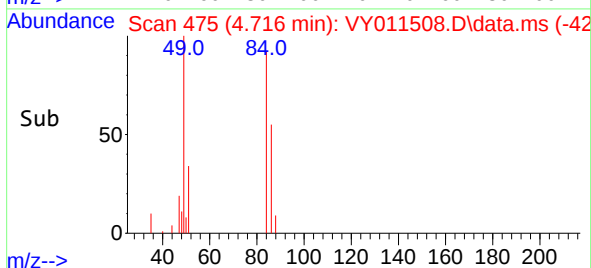
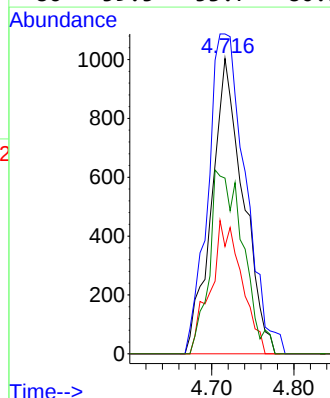
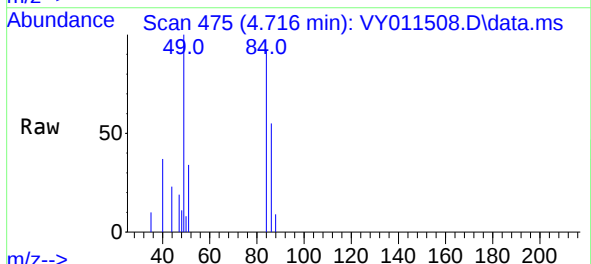
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

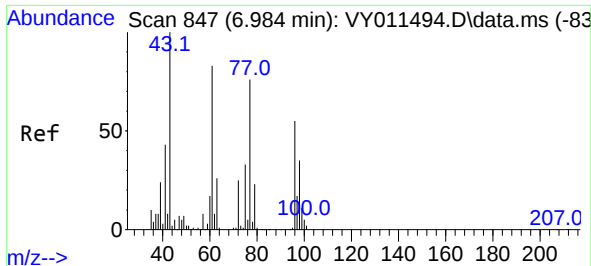
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 84 Resp: 2694
Ion Ratio Lower Upper
84 100
49 108.3 114.4 171.6#
51 36.4 35.3 52.9
86 59.5 53.7 80.5





#25

2-Butanone

Concen: 1.726 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011508.D

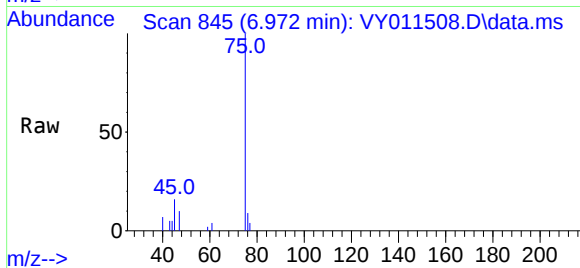
Acq: 18 Nov 2022 17:47

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-111722

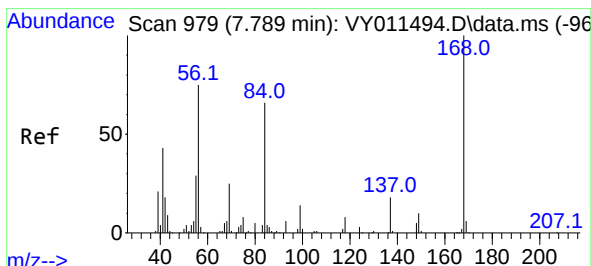
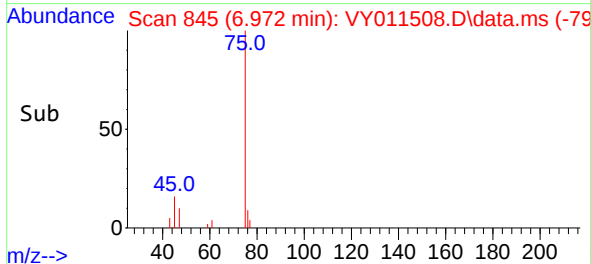
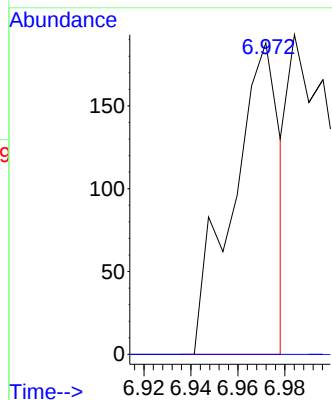


Tgt Ion: 43 Resp: 264

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY011508.D

Acq: 18 Nov 2022 17:47

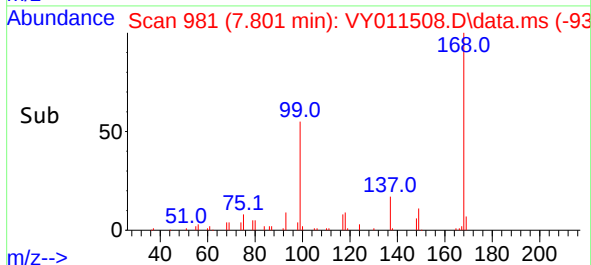
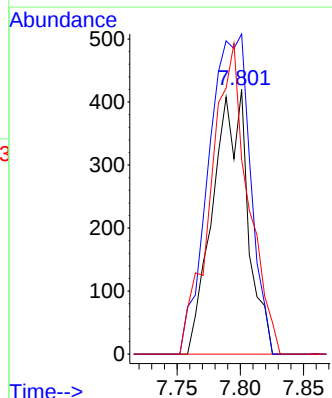
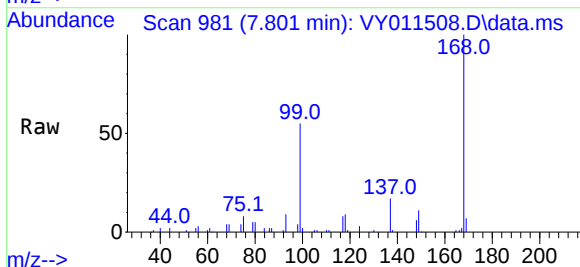
Tgt Ion: 56 Resp: 801

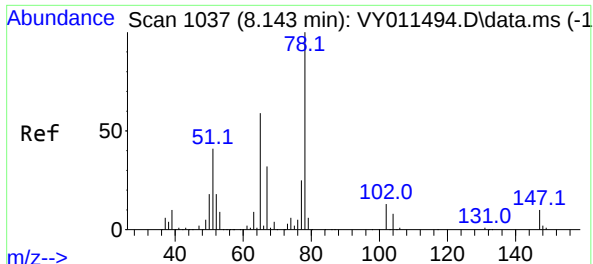
Ion Ratio Lower Upper

56 100

69 121.0 26.7 40.1#

84 73.6 67.2 100.8

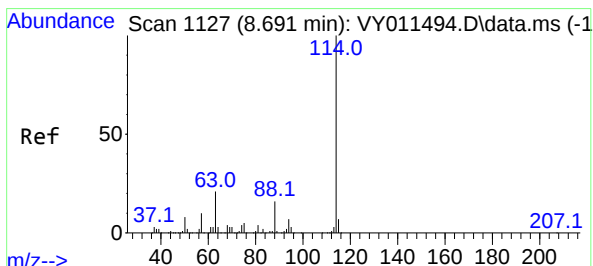
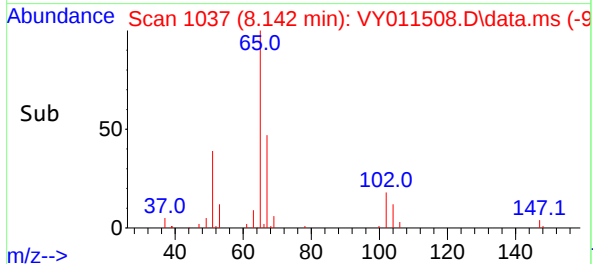
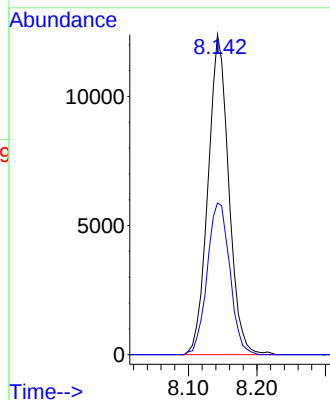
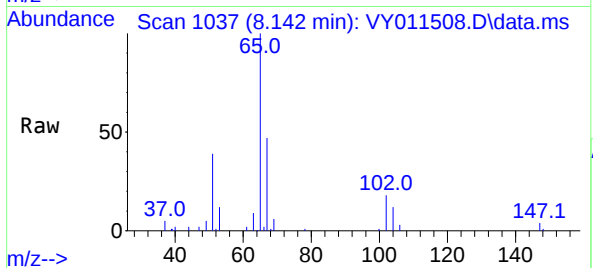




#33
1,2-Dichloroethane-d4
Concen: 72.670 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

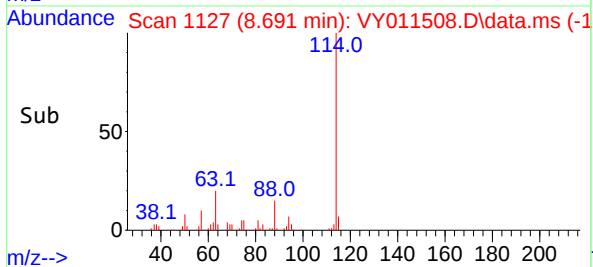
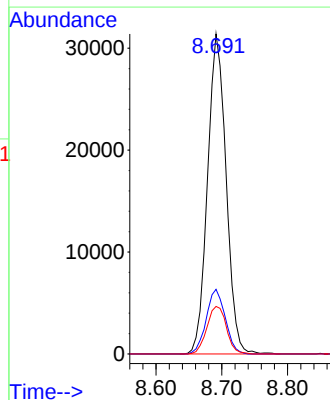
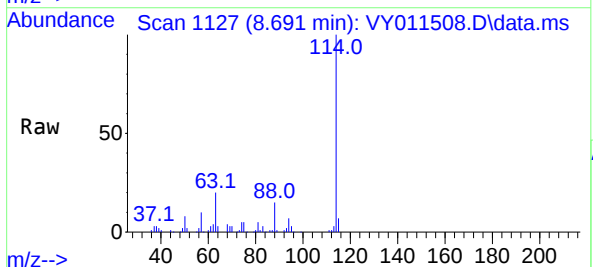
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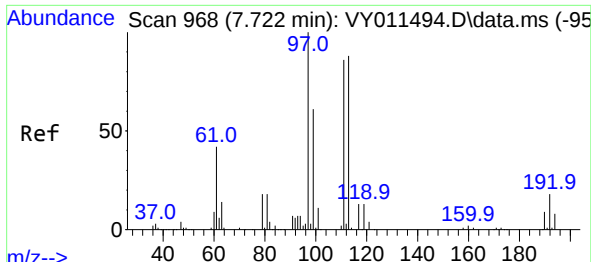
Tgt Ion: 65 Resp: 26040
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 114 Resp: 61779
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 14.9 0.0 31.8

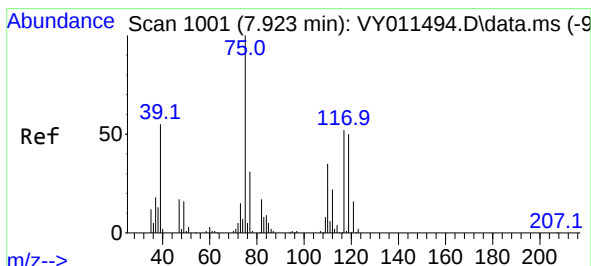
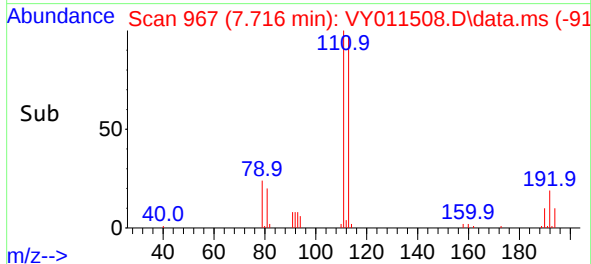
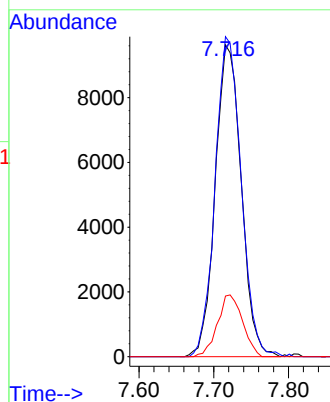
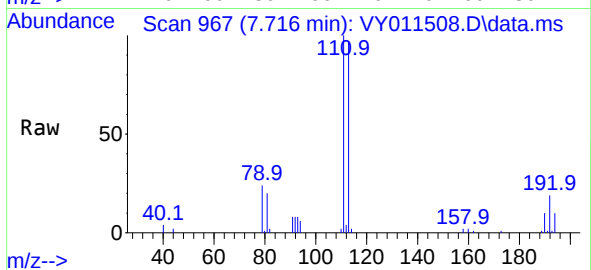




#35
Dibromofluoromethane
Concen: 61.250 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

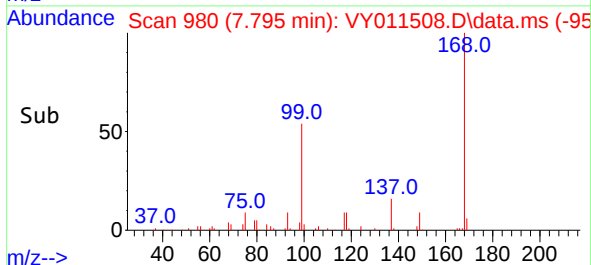
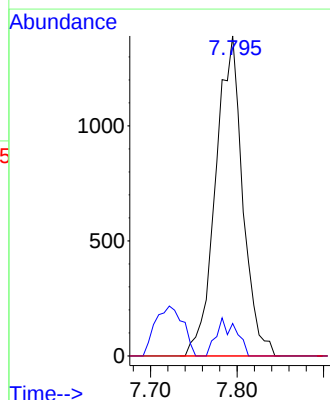
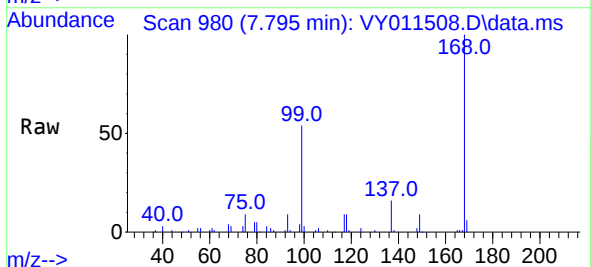
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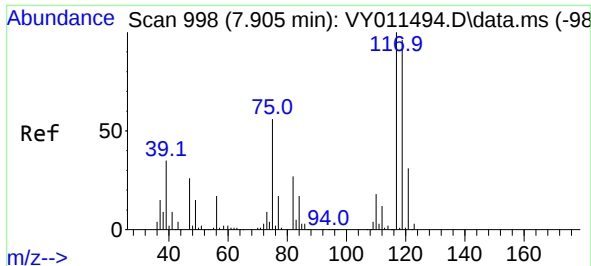
Tgt Ion:113 Resp: 23294
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.073 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

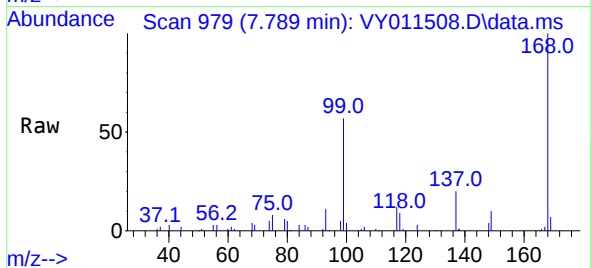
Tgt Ion: 75 Resp: 3016
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



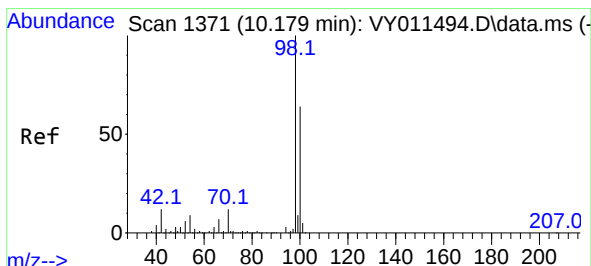
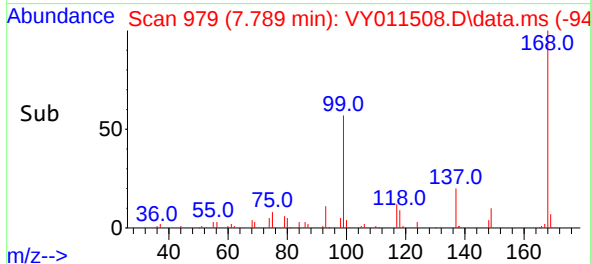
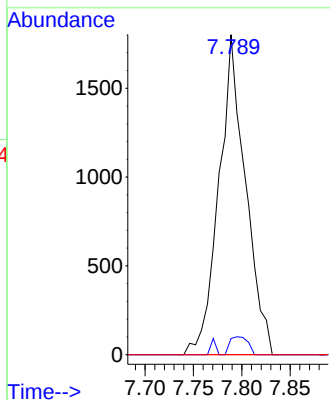


#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

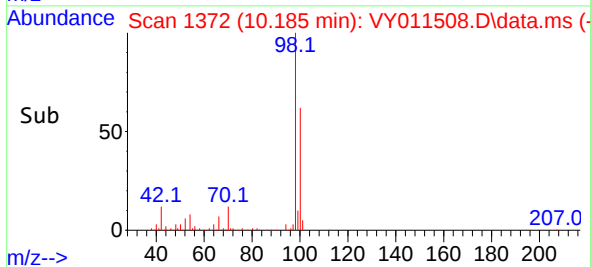
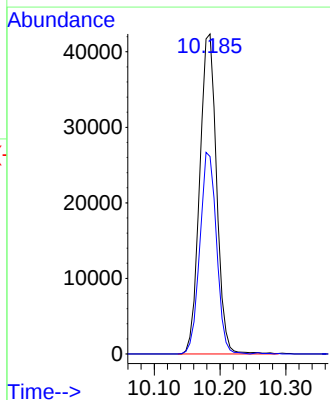
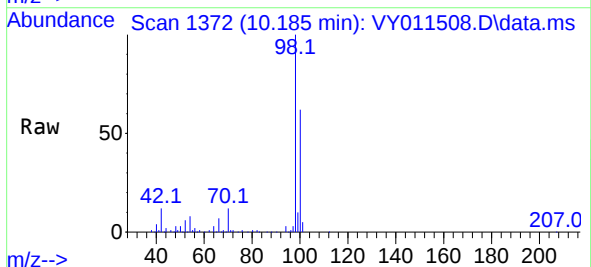


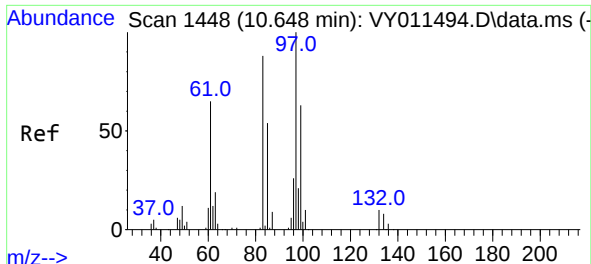
Tgt Ion:117 Resp: 3457
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.682 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 98 Resp: 75571
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2

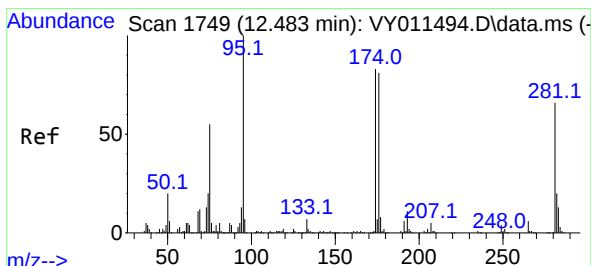
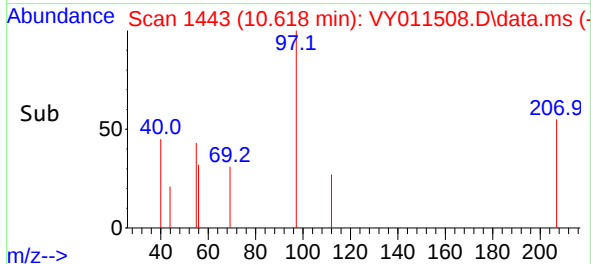
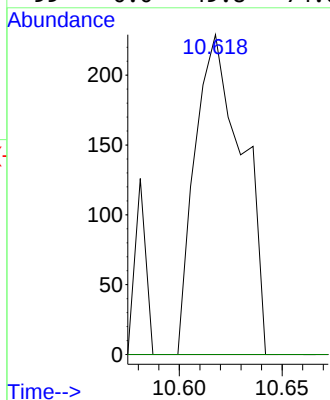
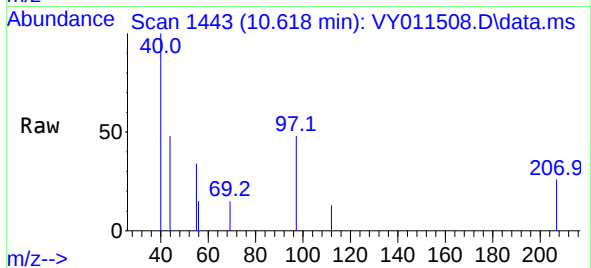




#55
1,1,2-Trichloroethane
Concen: 1.037 ug/l
RT: 10.618 min Scan# 1448
Delta R.T. -0.030 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

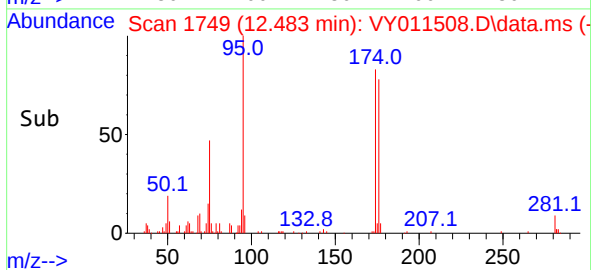
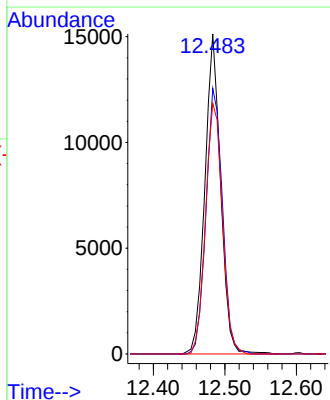
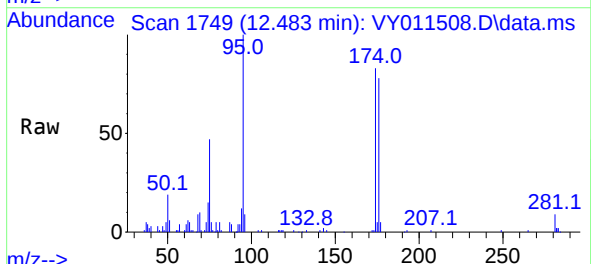
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

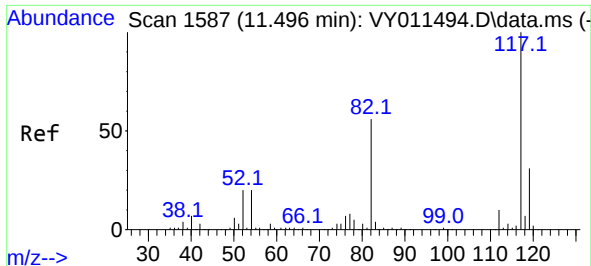
Tgt Ion: 97	Resp: 367
Ion Ratio	Lower Upper
97 100	
83 0.0	69.8 104.8#
85 0.0	44.3 66.5#
99 0.0	49.8 74.6#



#62
4-Bromofluorobenzene
Concen: 45.073 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 95	Resp: 23031
Ion Ratio	Lower Upper
95 100	
174 86.9	0.0 177.0
176 84.3	0.0 175.8

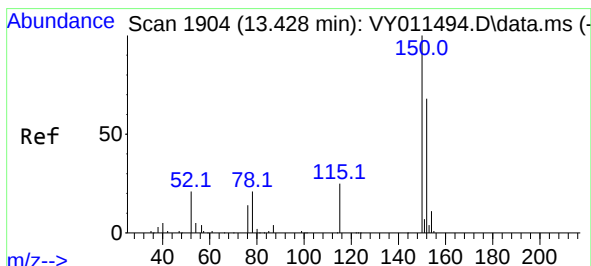
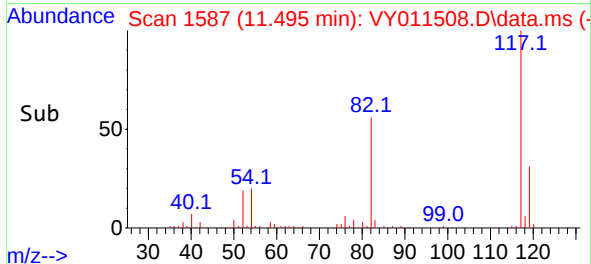
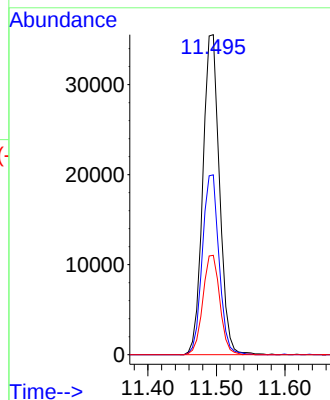
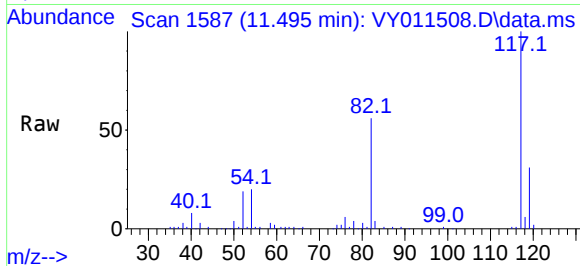




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

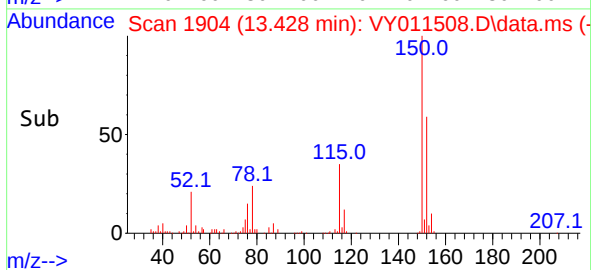
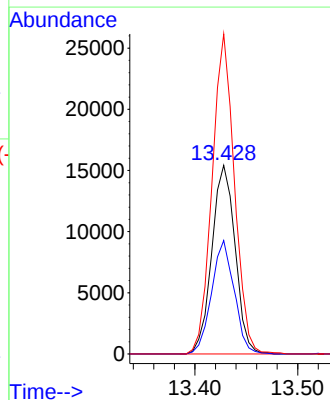
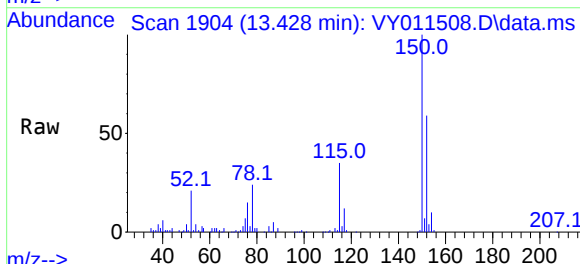
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

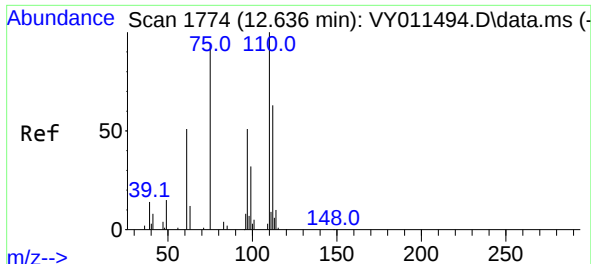
Tgt Ion:	117	Resp:	60293
Ion Ratio	Lower	Upper	
117	100		
82	56.2	43.0	64.4
119	31.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion:	152	Resp:	24254
Ion Ratio	Lower	Upper	
152	100		
115	58.5	28.2	84.7
150	162.6	0.0	347.6

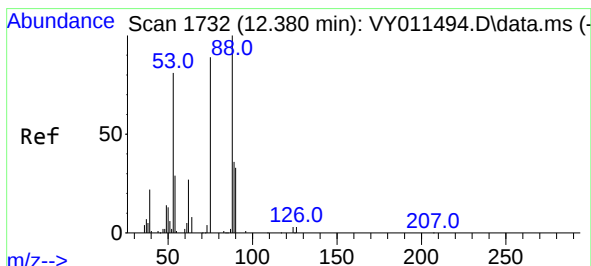
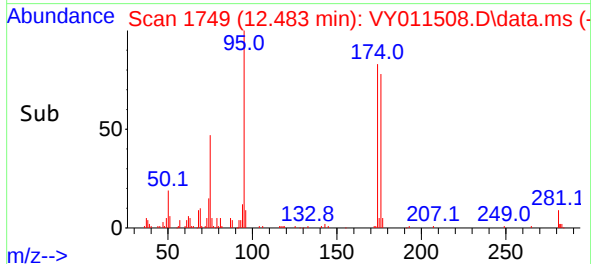
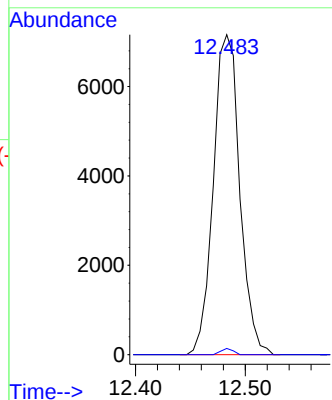
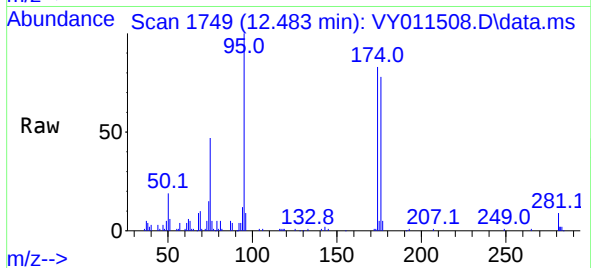




#76
1,2,3-Trichloropropane
Concen: 45.854 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

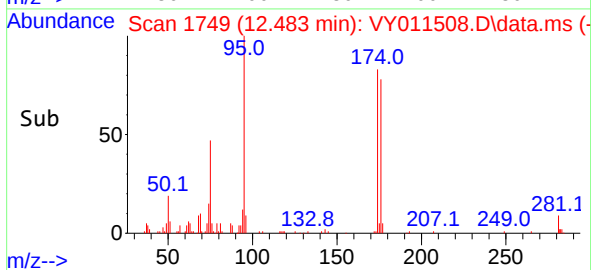
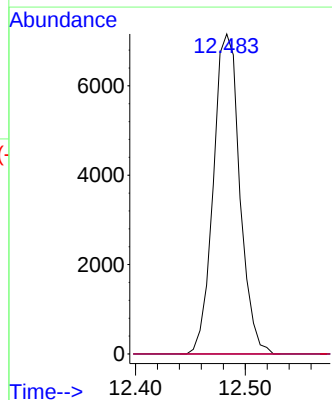
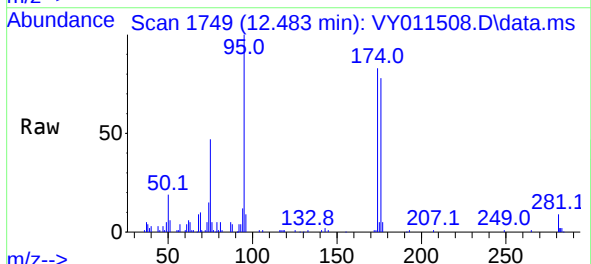
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

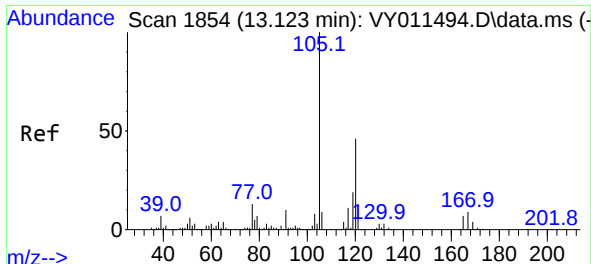
Tgt Ion: 75 Resp: 11977
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion: 75 Resp: 11977
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

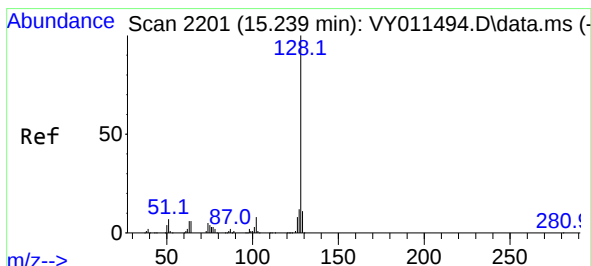
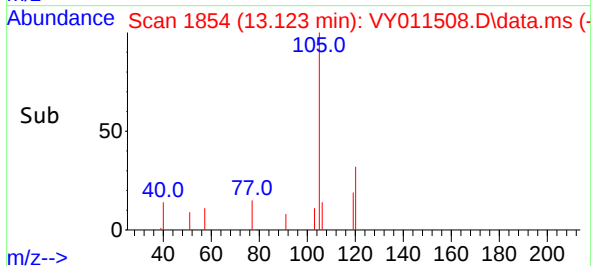
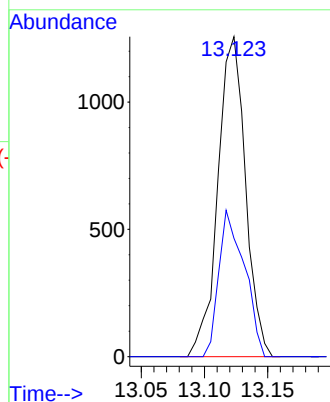
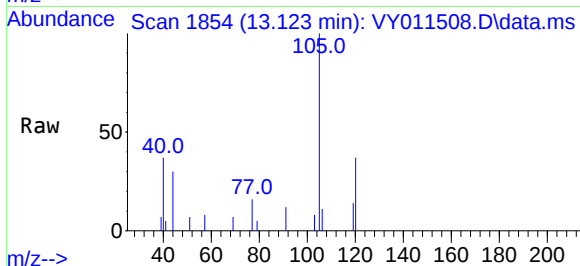




#84
1,2,4-Trimethylbenzene
Concen: 1.307 ug/l
RT: 13.123 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Instrument :
MSVOA_Y
ClientSampleId :
EO-1-111722

Tgt Ion:105 Resp: 1908
Ion Ratio Lower Upper
105 100
120 42.4 22.3 66.9



#95
Naphthalene
Concen: 4.631 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011508.D
Acq: 18 Nov 2022 17:47

Tgt Ion:128 Resp: 571
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

