

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010644.D
 Acq On : 23 Sep 2022 13:26
 Operator : KP/MD
 Sample : N4753-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-092122

Quant Time: Sep 24 01:20:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

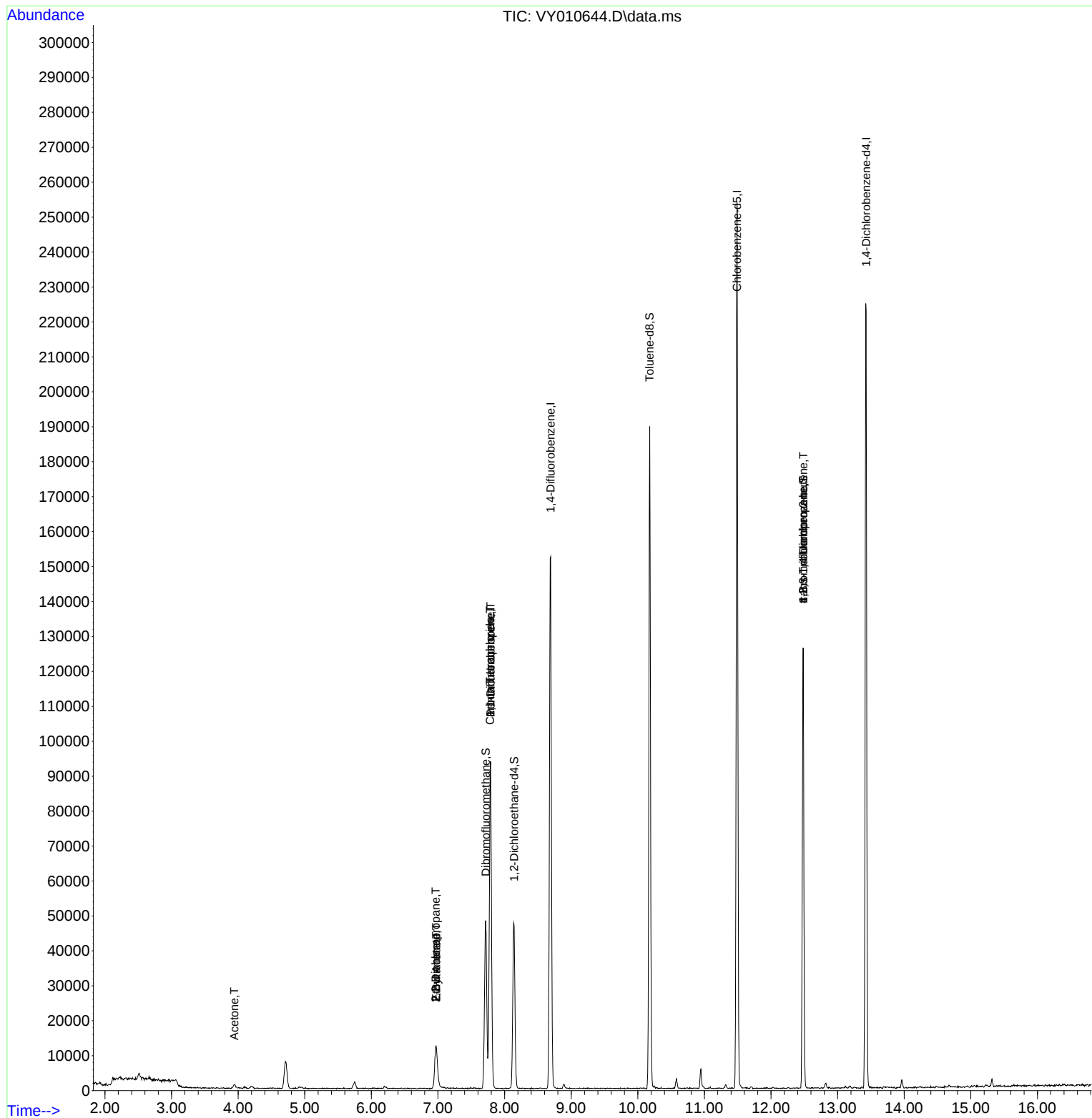
Internal Standards						
1) Pentafluorobenzene	7.789	168	72331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	137578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	37976	54.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.780%	
35) Dibromofluoromethane	7.716	113	33472	38.882	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 77.760%	
50) Toluene-d8	10.179	98	122295	39.161	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.320%	
62) 4-Bromofluorobenzene	12.483	95	37346	30.580	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 61.160%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	396	Below Cal	#	86
4) Vinyl Chloride	2.381	62	59	Below Cal	#	43
5) Bromomethane	2.668	94	342	Below Cal	#	71
16) Acetone	3.942	43	1915	13.574	ug/l #	77
18) Methyl Acetate	4.479	43	253	Below Cal	#	56
20) Methylene Chloride	4.716	84	5918	Below Cal	#	77
25) 2-Butanone	6.972	43	681	3.086	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	1057	1.008	ug/l #	55
31) Cyclohexane	7.783	56	1652	Below Cal	#	7
36) 1,1-Dichloropropene	7.789	75	5850	6.099	ug/l #	51
37) Ethyl Acetate	6.972	43	681	1.229	ug/l #	1
38) Carbon Tetrachloride	7.783	117	7160	6.492	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	19444	34.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19444	76.678	ug/l #	7

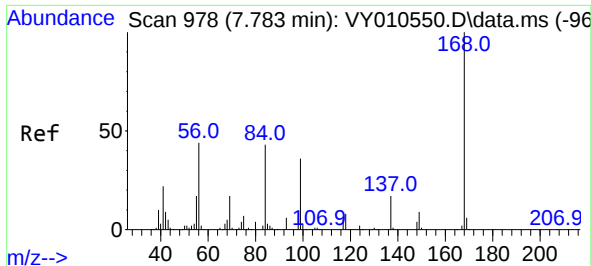
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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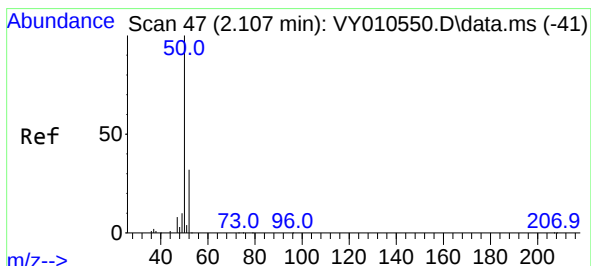
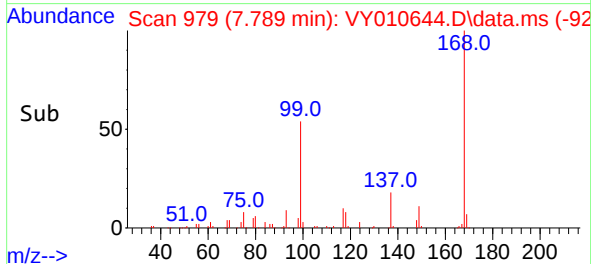
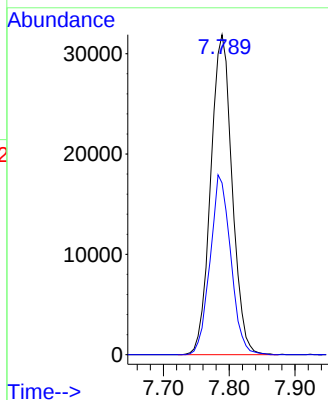
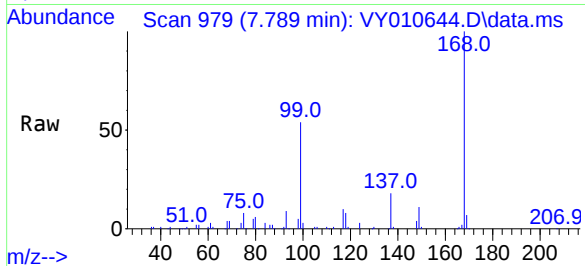




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

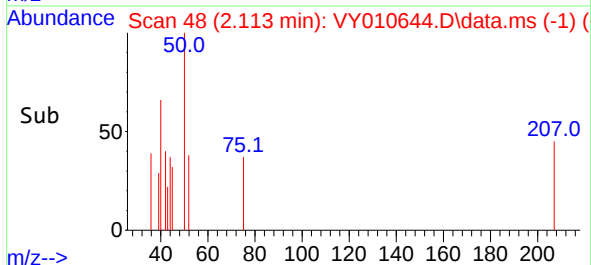
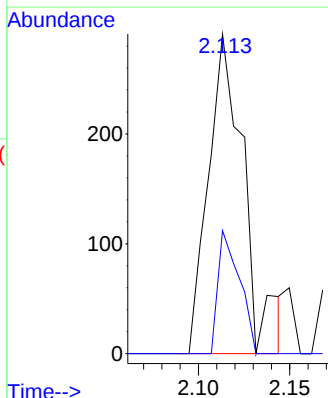
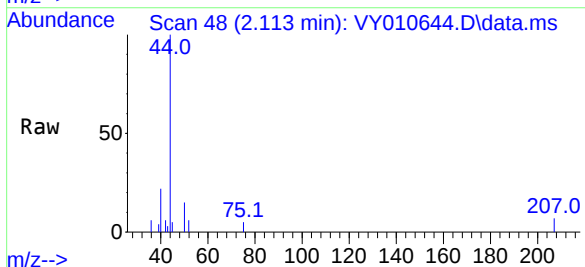
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-092122

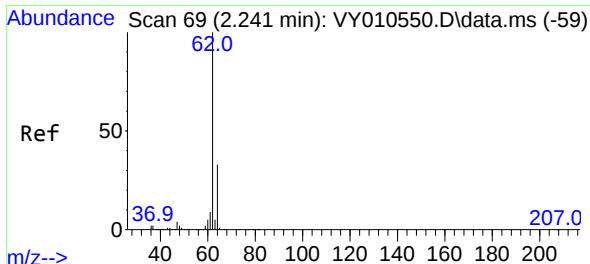
Tgt Ion:168 Resp: 72331
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion: 50 Resp: 396
Ion Ratio Lower Upper
50 100
52 38.5 24.6 37.0#

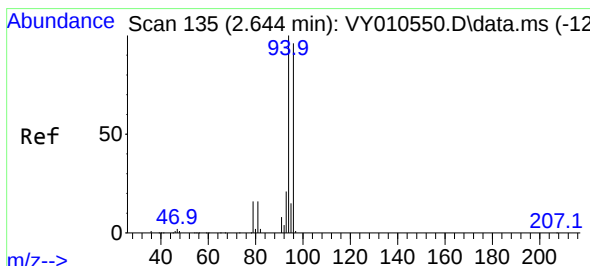
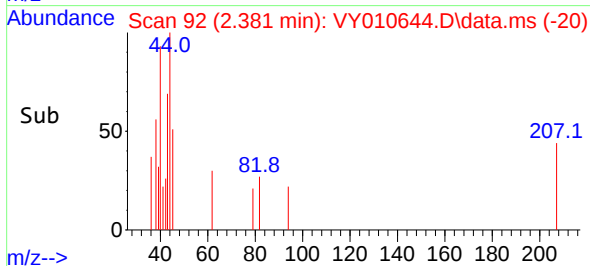
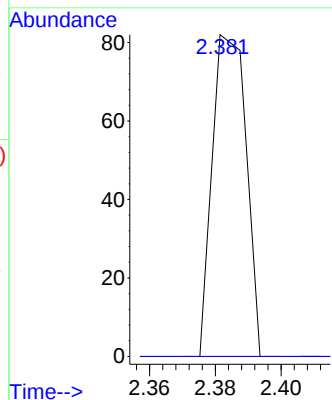
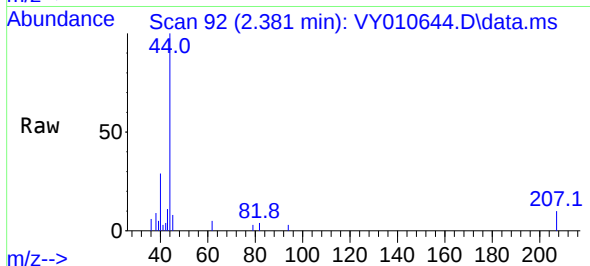




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.381 min Scan# 91
 Delta R.T. 0.140 min
 Lab File: VY010644.D
 Acq: 23 Sep 2022 13:26

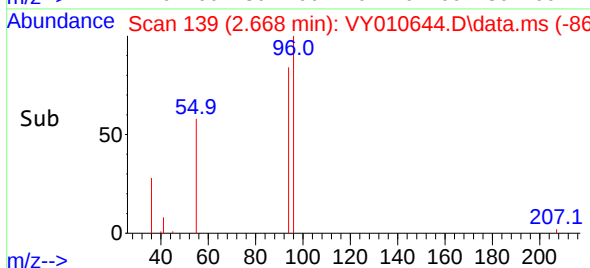
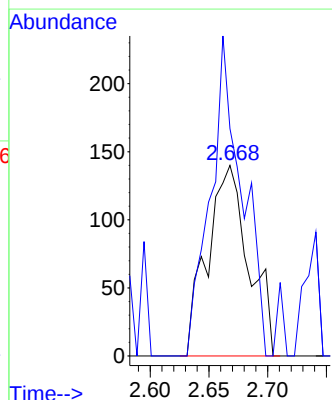
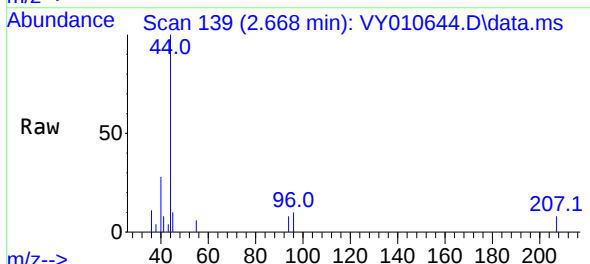
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-092122

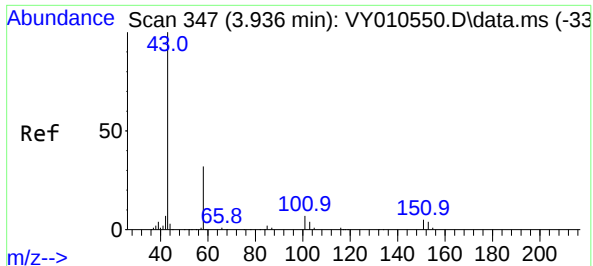
Tgt Ion: 62 Resp: 59
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.668 min Scan# 139
 Delta R.T. 0.024 min
 Lab File: VY010644.D
 Acq: 23 Sep 2022 13:26

Tgt Ion: 94 Resp: 342
 Ion Ratio Lower Upper
 94 100
 96 119.3 73.5 110.3#

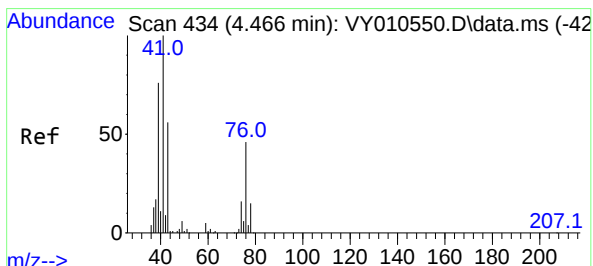
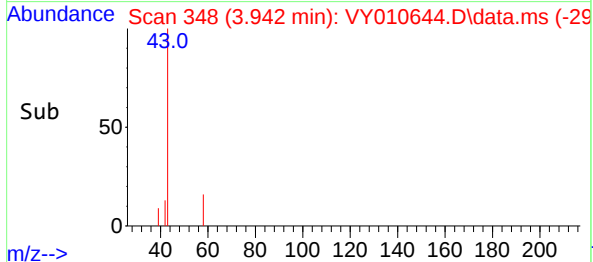
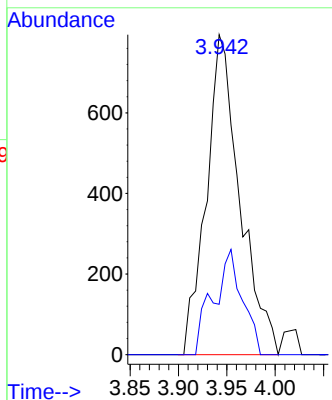
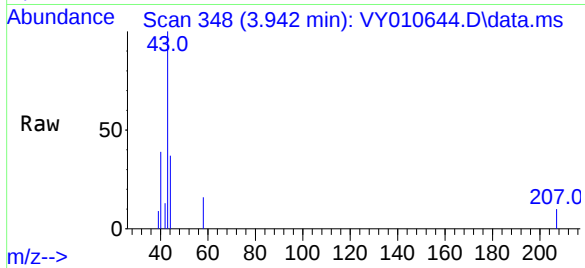




#16
Acetone
Concen: 13.574 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

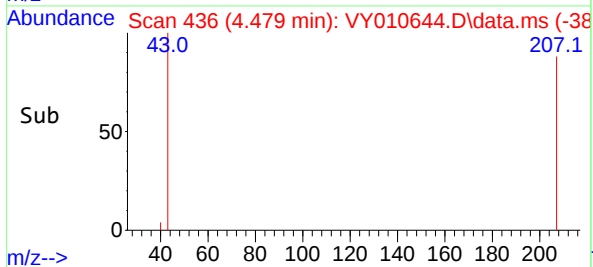
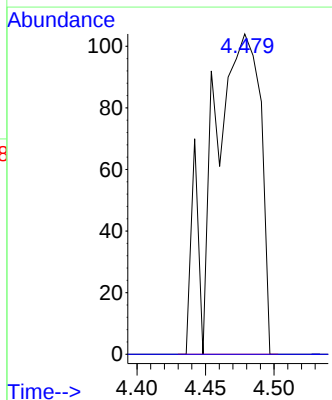
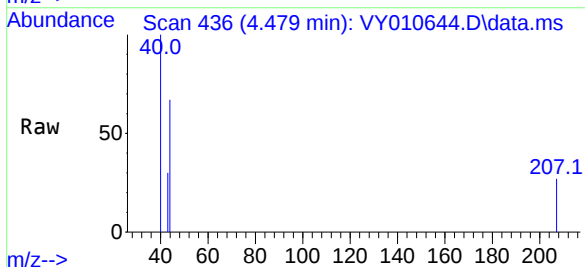
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-092122

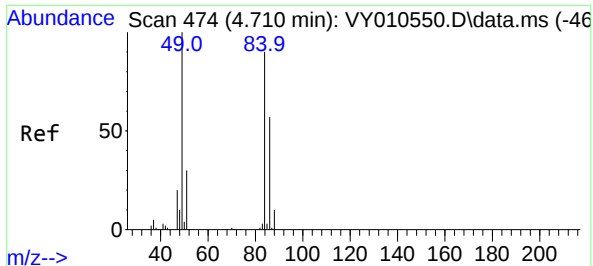
Tgt Ion: 43 Resp: 1915
Ion Ratio Lower Upper
43 100
58 15.7 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

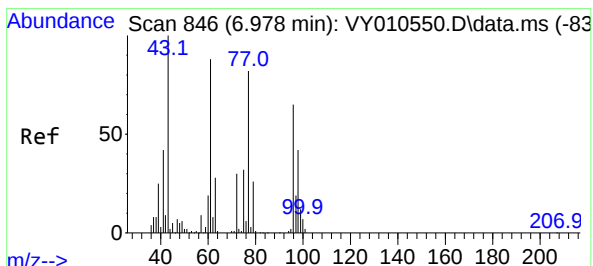
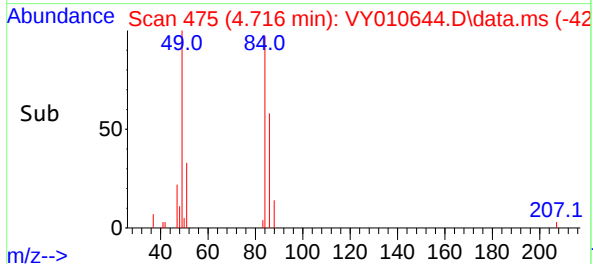
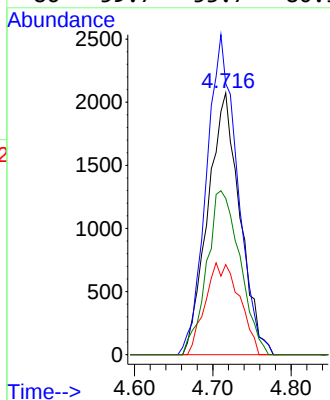
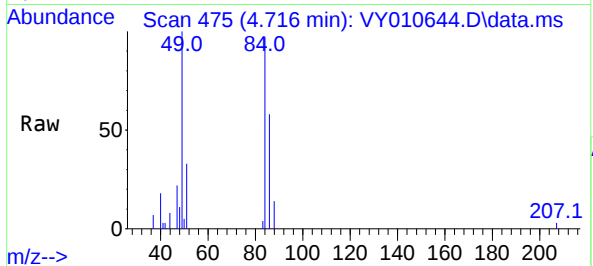




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

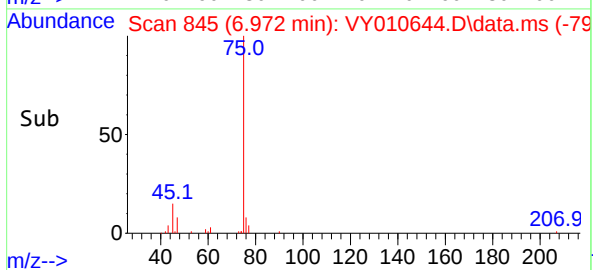
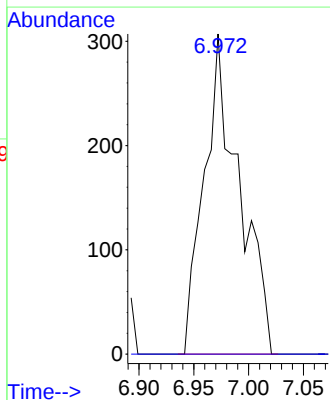
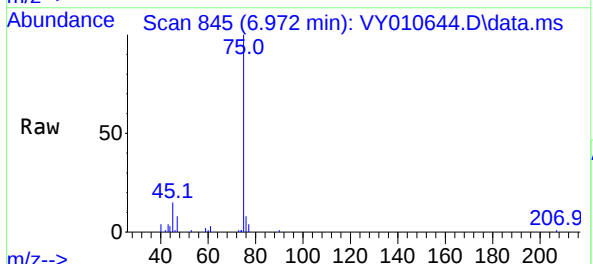
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-092122

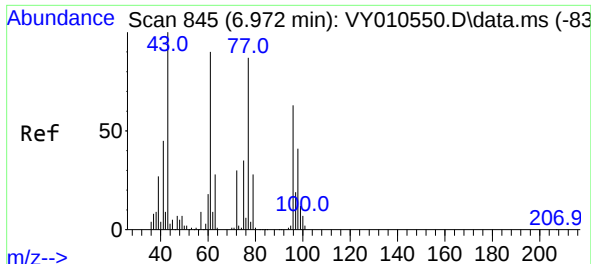
Tgt Ion:	84	Resp:	5918
Ion	Ratio	Lower	Upper
84	100		
49	103.5	114.4	171.6#
51	34.4	35.3	52.9#
86	59.7	53.7	80.5



#25
2-Butanone
Concen: 3.086 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion:	43	Resp:	681
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.008 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010644.D

Acq: 23 Sep 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

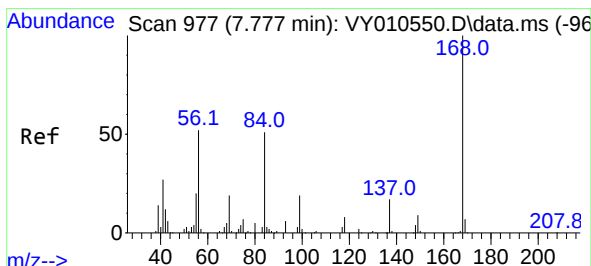
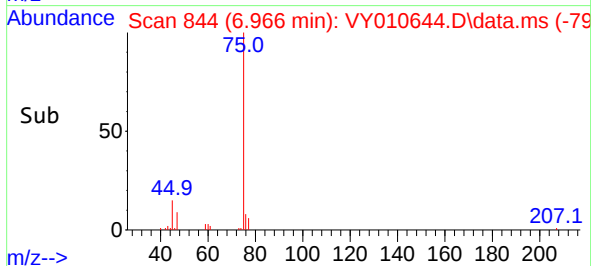
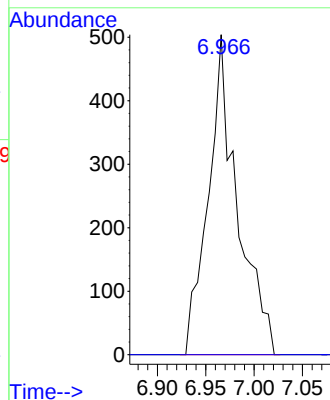
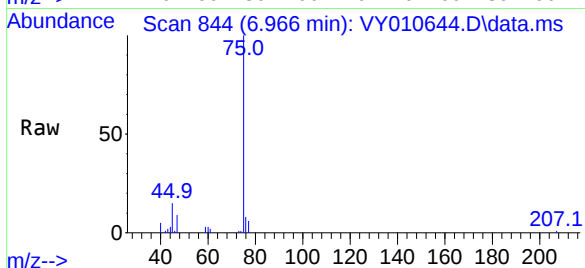
EO-01-092122

Tgt Ion: 77 Resp: 1057

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010644.D

Acq: 23 Sep 2022 13:26

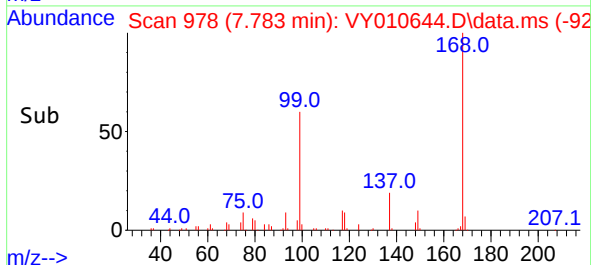
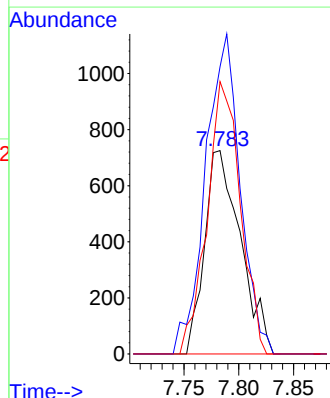
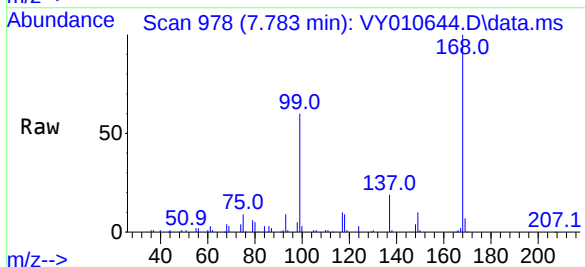
Tgt Ion: 56 Resp: 1652

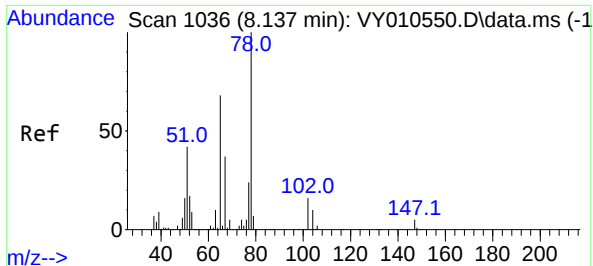
Ion Ratio Lower Upper

56 100

69 141.2 26.7 40.1#

84 133.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.892 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY010644.D

Acq: 23 Sep 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

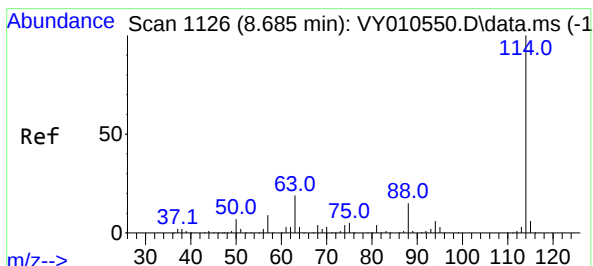
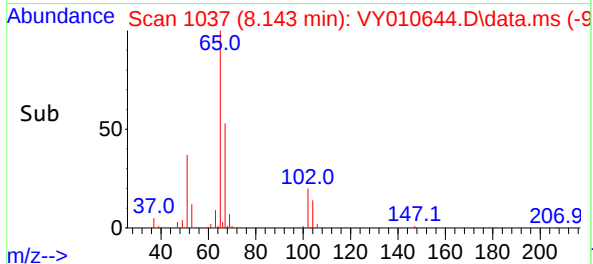
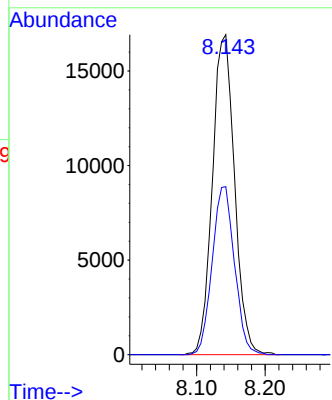
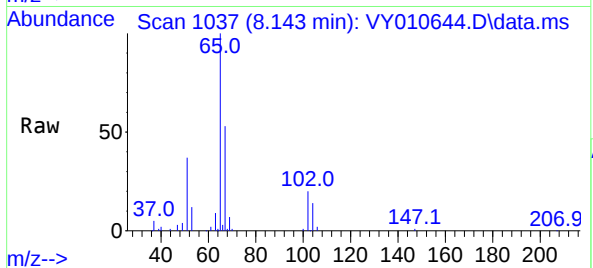
EO-01-092122

Tgt Ion: 65 Resp: 37976

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010644.D

Acq: 23 Sep 2022 13:26

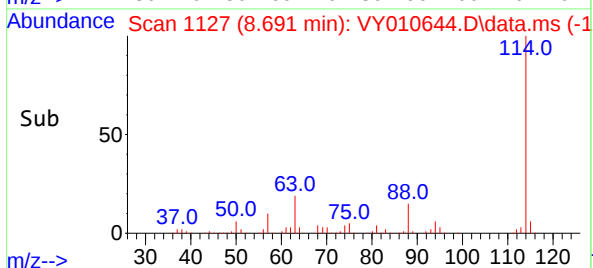
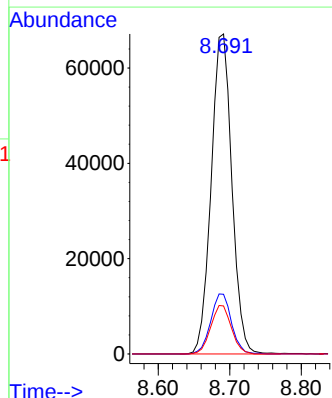
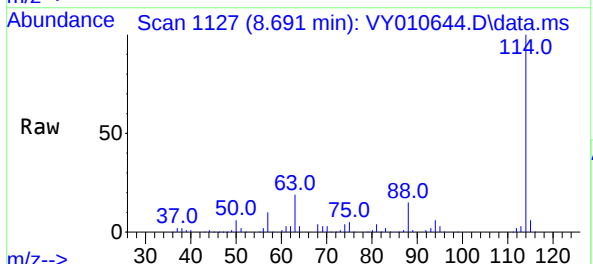
Tgt Ion: 114 Resp: 134887

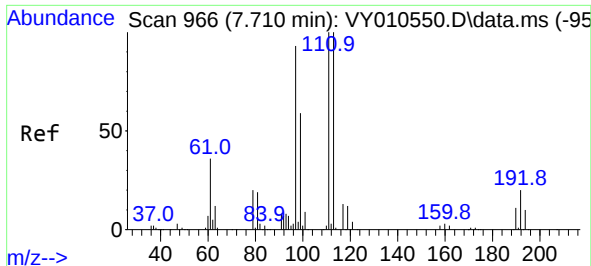
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.0 0.0 31.8

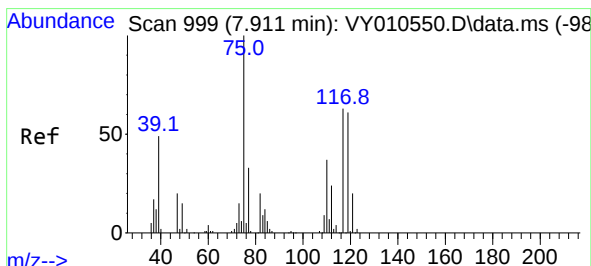
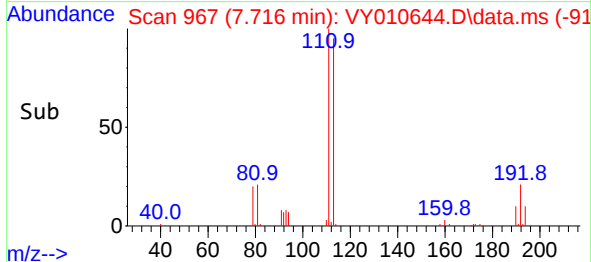
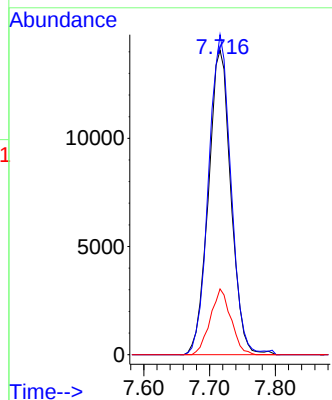
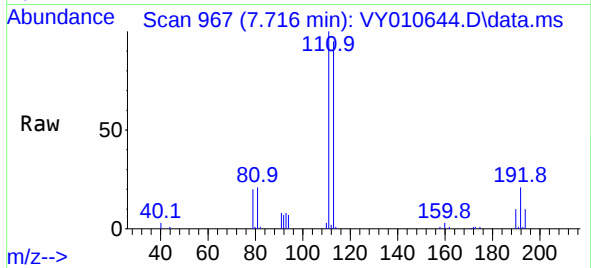




#35
Dibromofluoromethane
Concen: 38.882 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

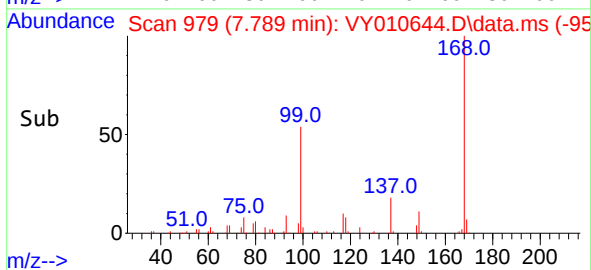
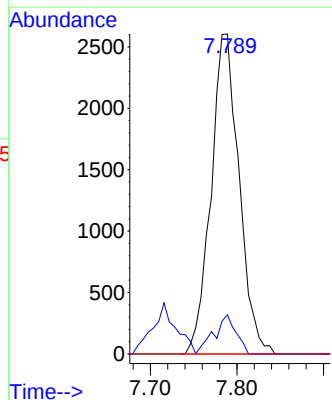
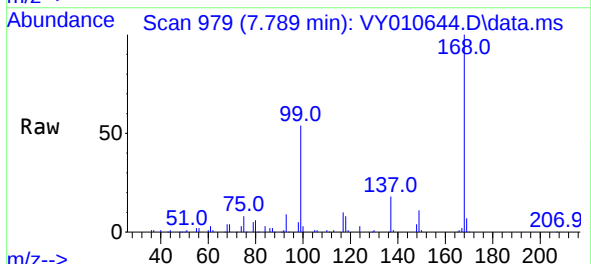
Instrument :
MSVOA_Y
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EO-01-092122

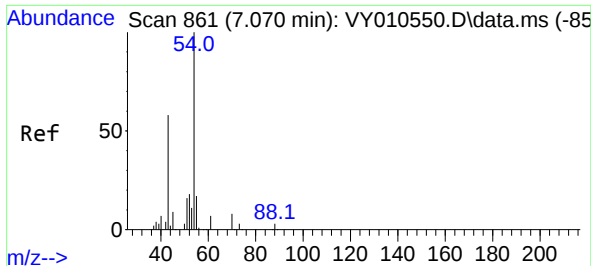
Tgt Ion:113 Resp: 33472
Ion Ratio Lower Upper
113 100
111 103.9 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.099 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion: 75 Resp: 5850
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.229 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY010644.D

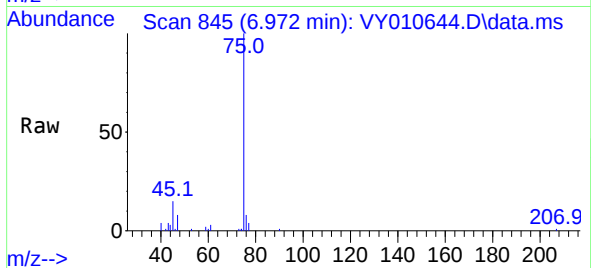
Acq: 23 Sep 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-092122



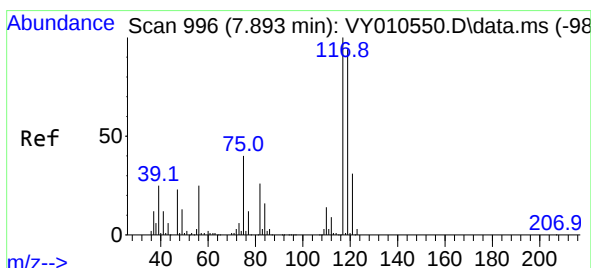
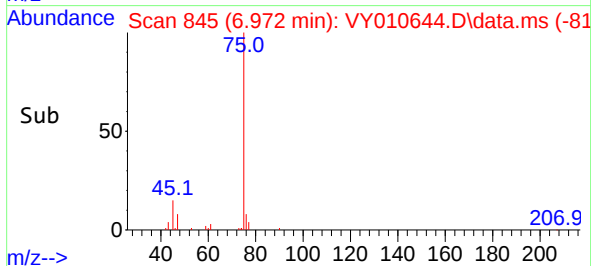
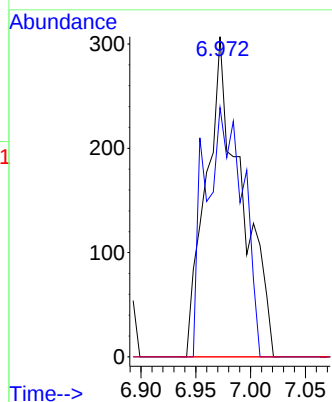
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

61 84.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010644.D

Acq: 23 Sep 2022 13:26

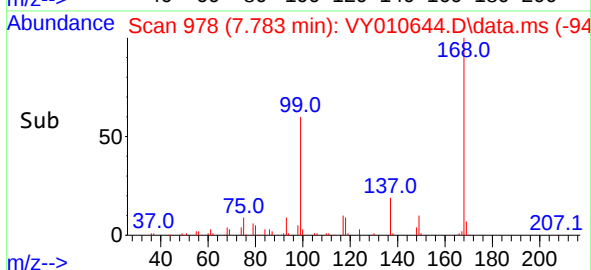
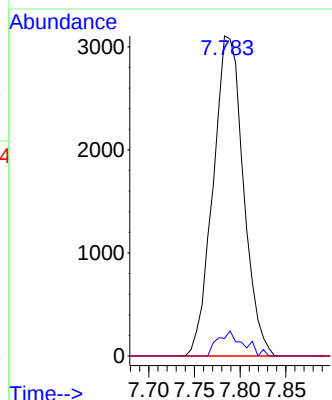
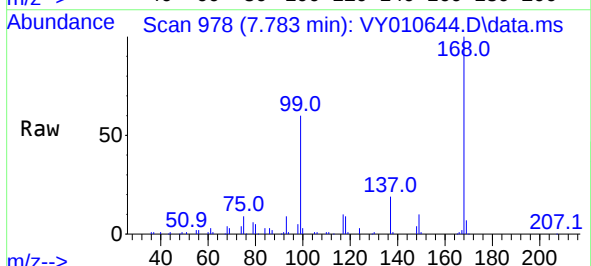
Tgt Ion: 117 Resp: 7160

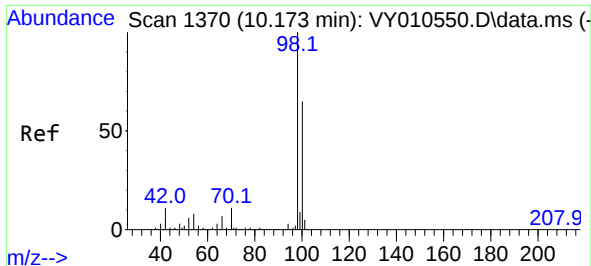
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

121 0.0 24.8 37.2#

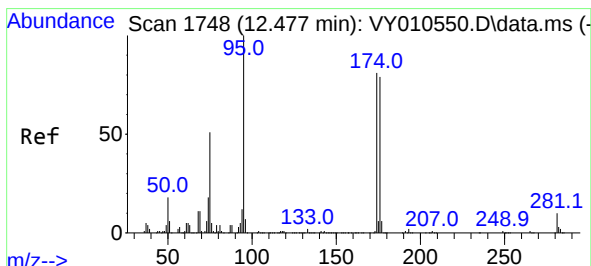
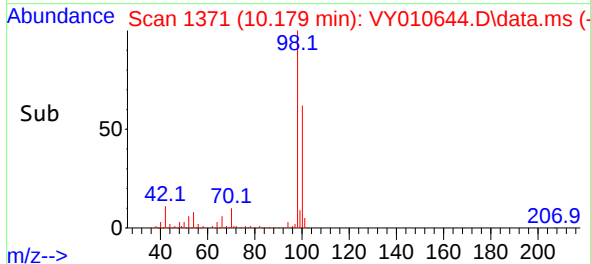
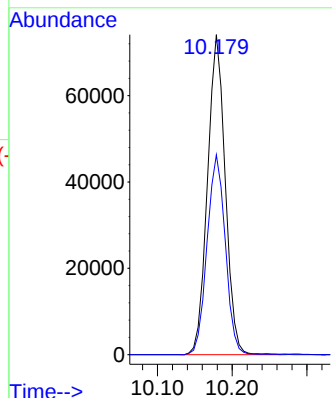
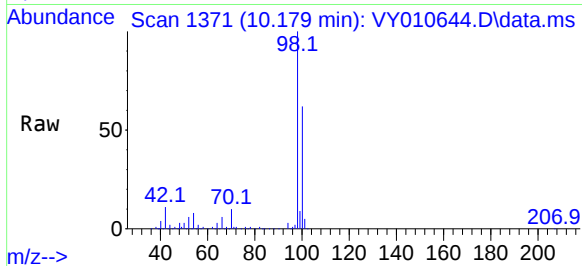




#50
Toluene-d8
Concen: 39.161 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

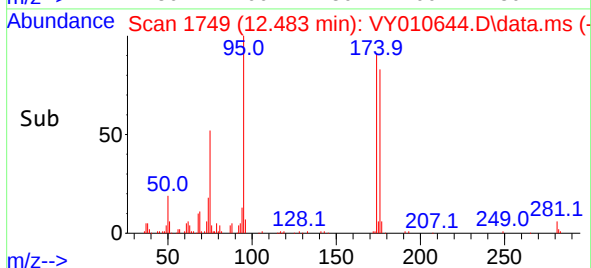
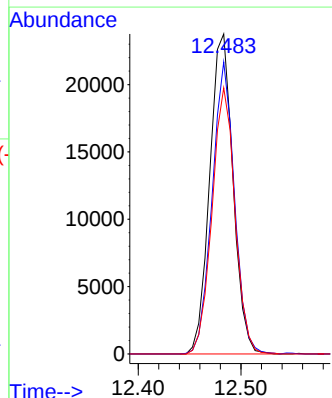
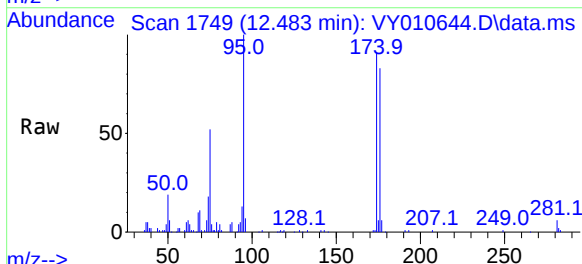
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-092122

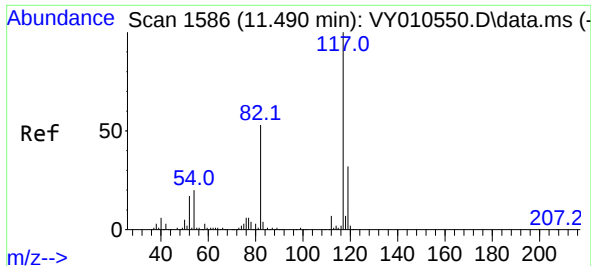
Tgt Ion: 98 Resp: 122295
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 30.580 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion: 95 Resp: 37346
Ion Ratio Lower Upper
95 100
174 87.6 0.0 177.0
176 81.9 0.0 175.8

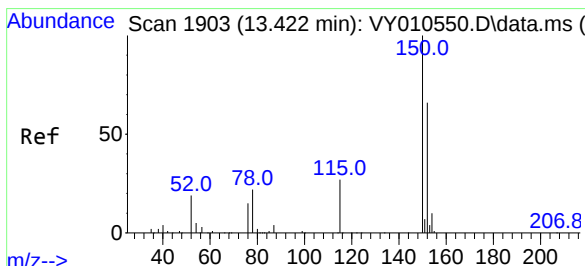
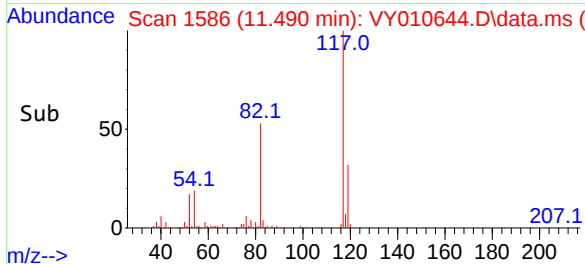
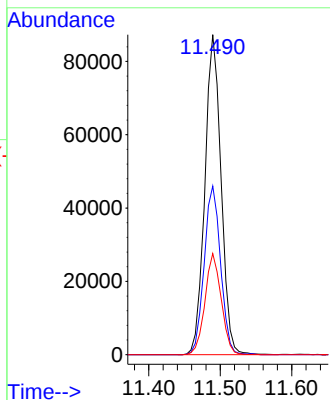
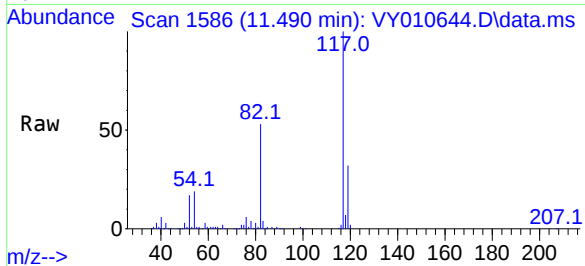




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

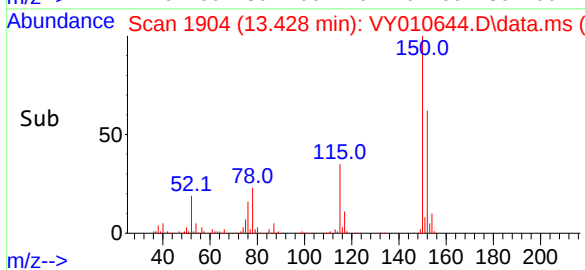
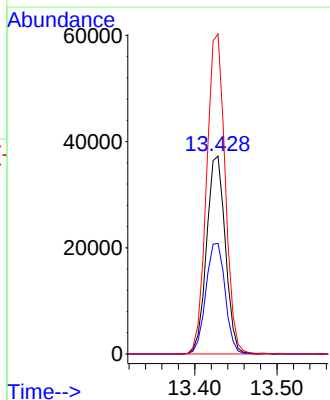
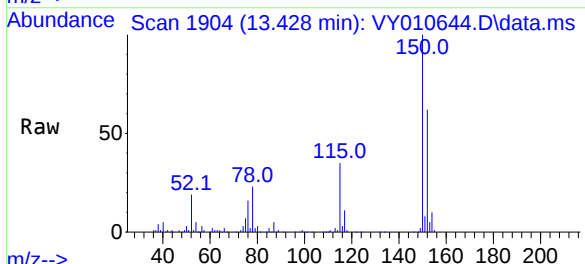
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-092122

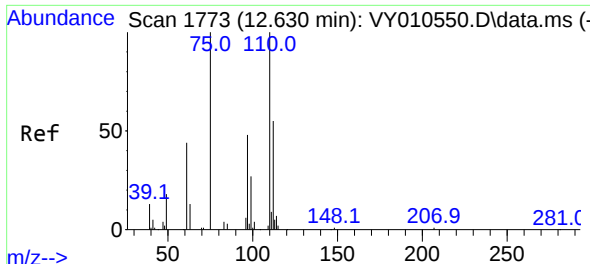
Tgt Ion:117 Resp: 137578
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion:152 Resp: 59074
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 160.3 0.0 347.6

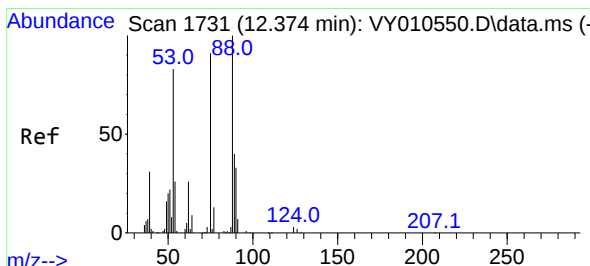
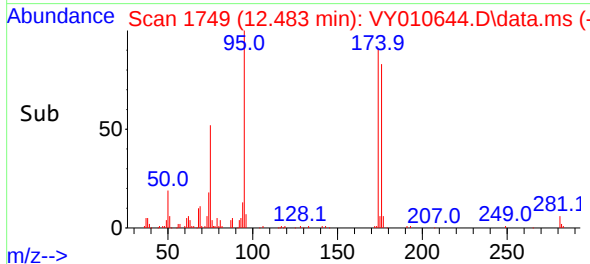
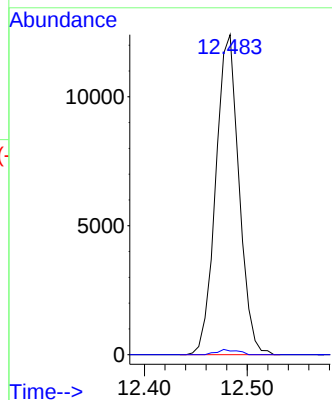
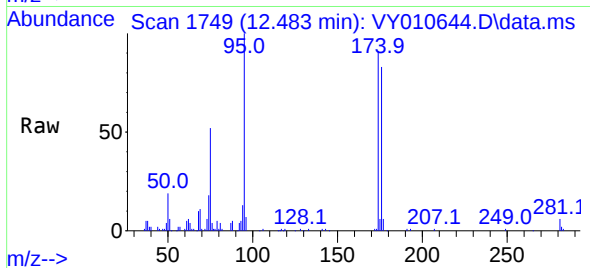




#76
1,2,3-Trichloropropane
Concen: 34.486 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-092122

Tgt Ion: 75 Resp: 19444
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.678 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010644.D
Acq: 23 Sep 2022 13:26

Tgt Ion: 75 Resp: 19444
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

