

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016186.D
 Acq On : 02 Nov 2023 13:38
 Operator : SY/MD
 Sample : 05206-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Nov 03 01:39:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

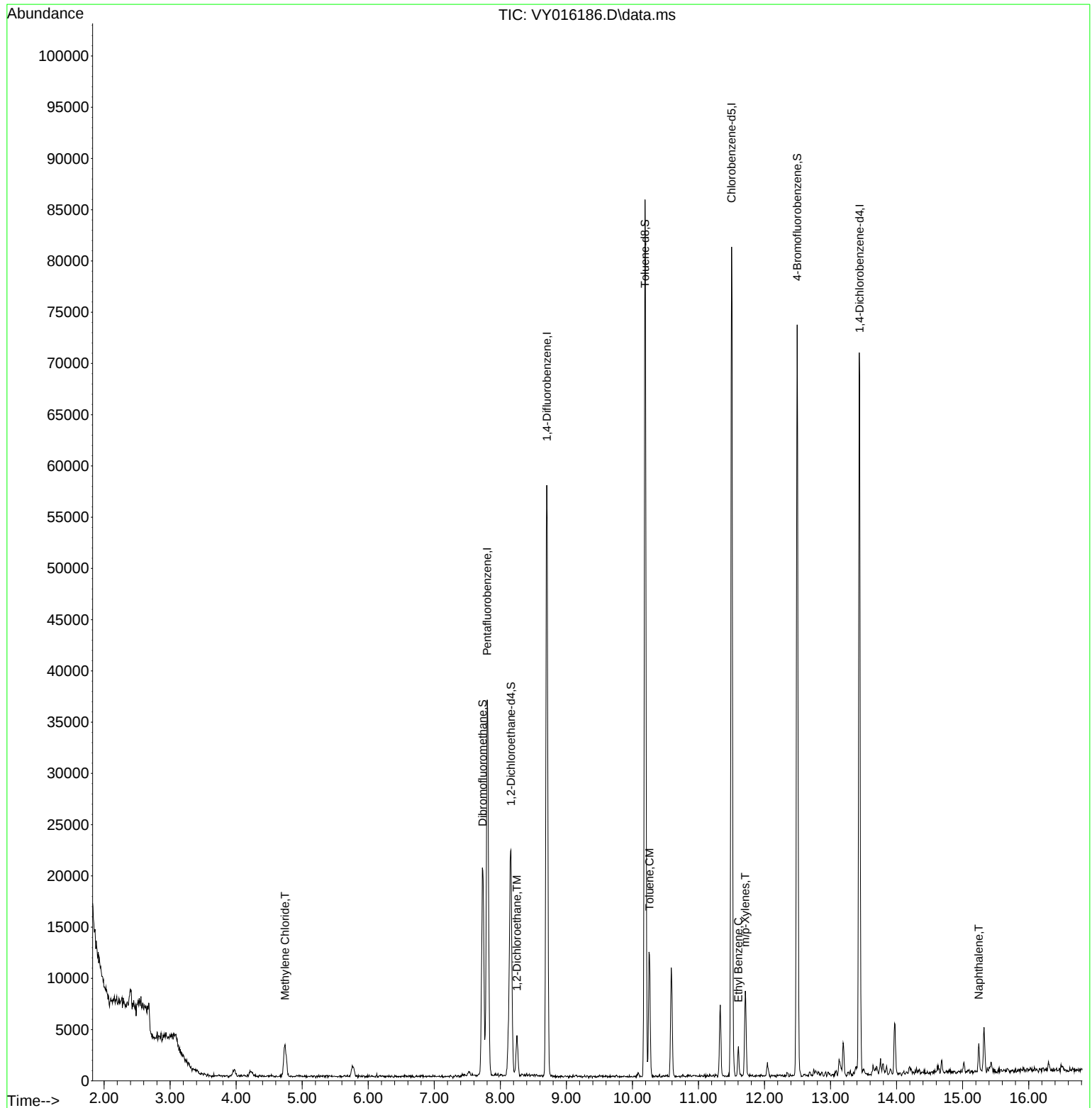
Internal Standards						
1) Pentafluorobenzene	7.801	168	30017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	51938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	45747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	18625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	16636	59.228	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.460%	
35) Dibromofluoromethane	7.734	113	14846	47.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.900%	
50) Toluene-d8	10.191	98	57547	46.875	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.760%	
62) 4-Bromofluorobenzene	12.495	95	18738	44.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.280%	
Target Compounds						Qvalue
20) Methylene Chloride	4.741	84	2526	6.172	ug/l #	84
42) 1,2-Dichloroethane	8.252	62	3274	9.140	ug/l	96
52) Toluene	10.258	92	5235	6.294	ug/l	96
67) Ethyl Benzene	11.605	91	2248	1.383	ug/l #	83
68) m/p-Xylenes	11.709	106	2460	3.916	ug/l	97
95) Naphthalene	15.245	128	2425	3.741	ug/l	98

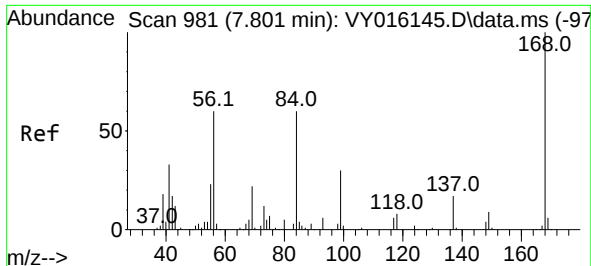
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

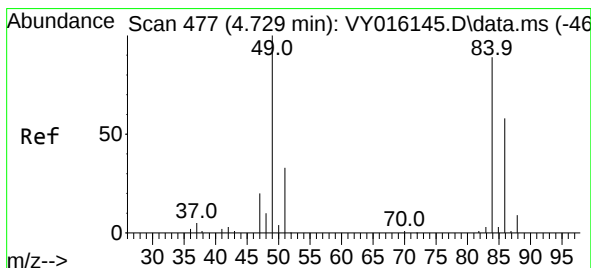
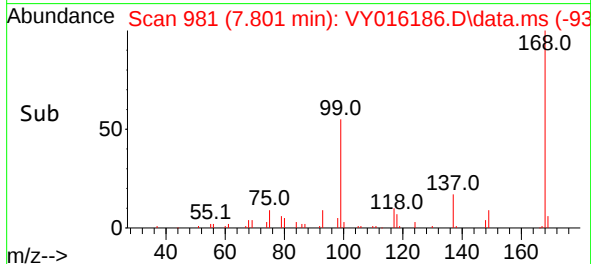
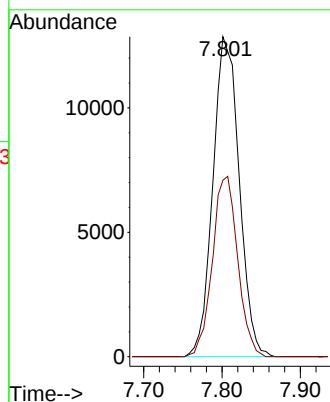
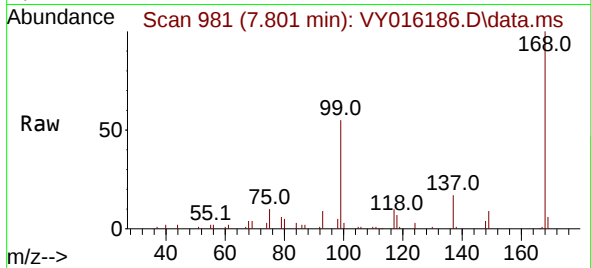




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

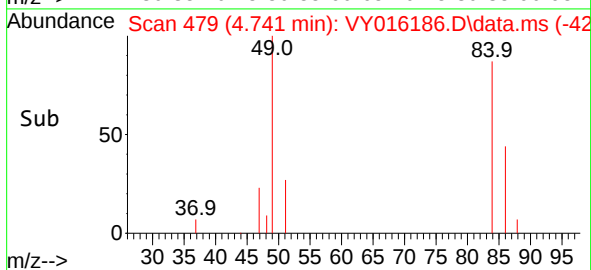
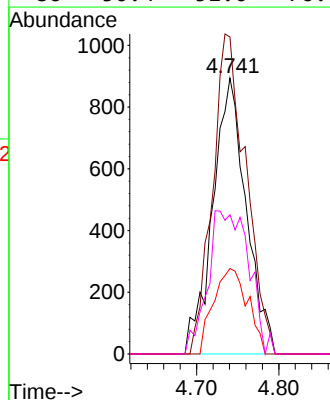
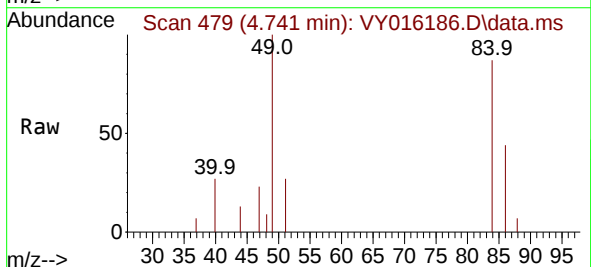
Instrument :
MSVOA_Y
ClientSampleId :
VOC

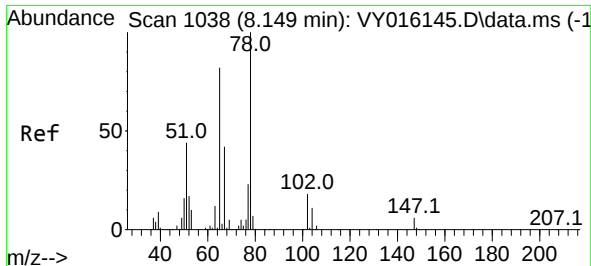
Tgt Ion:168 Resp: 30017
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#20
Methylene Chloride
Concen: 6.172 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 84 Resp: 2526
Ion Ratio Lower Upper
84 100
49 114.9 106.9 160.3
51 31.0 33.2 49.8#
86 50.4 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 59.228 ug/l

RT: 8.161 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

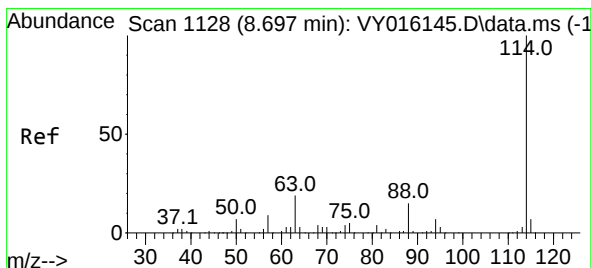
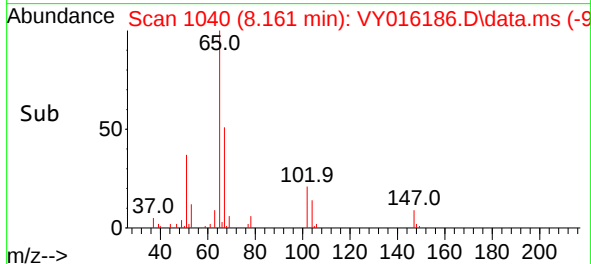
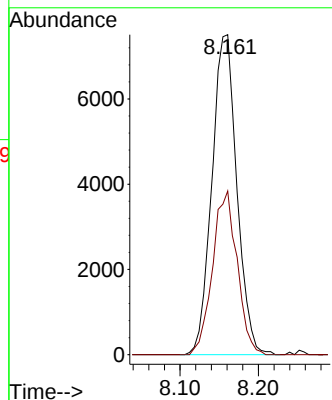
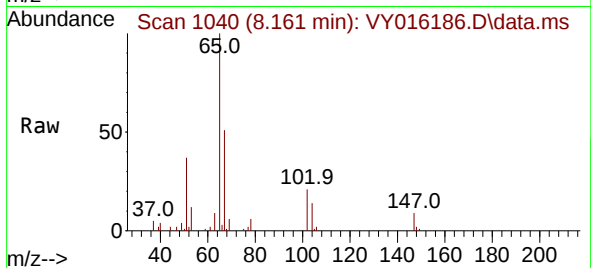
VOC

Tgt Ion: 65 Resp: 16636

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

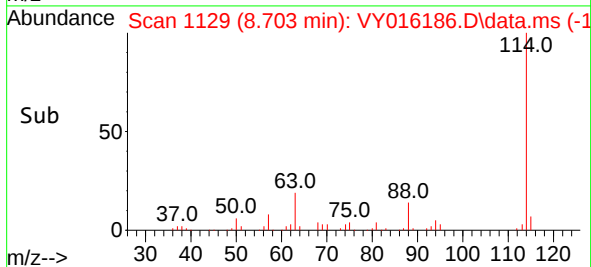
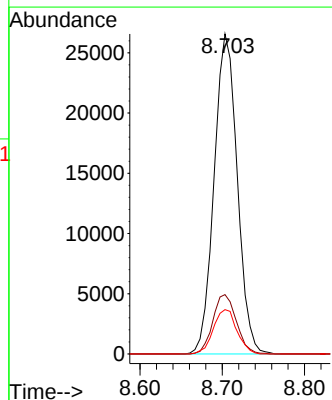
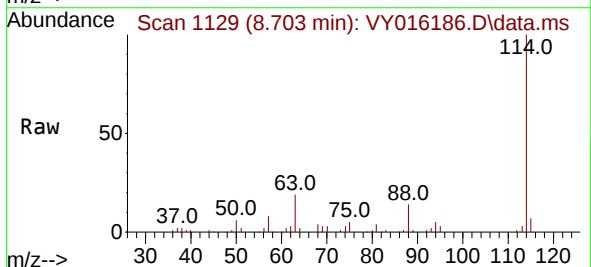
Tgt Ion: 114 Resp: 51938

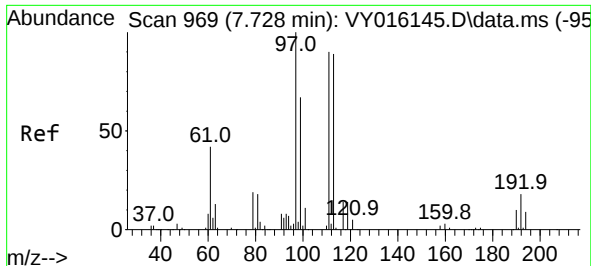
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 13.8 0.0 30.6

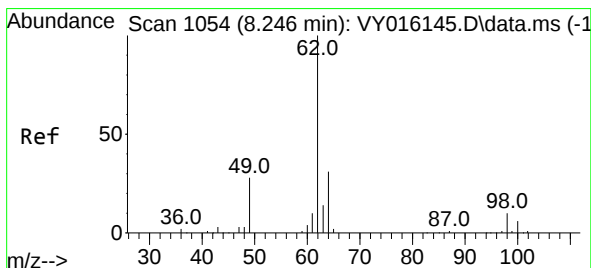
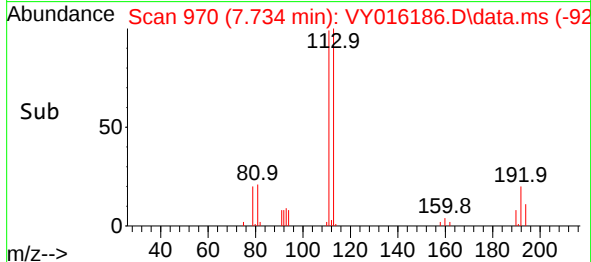
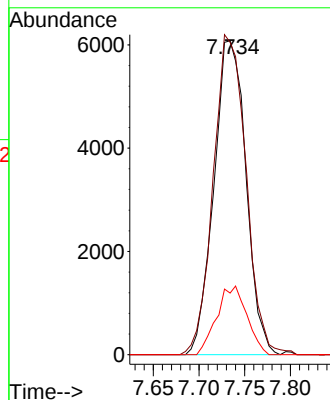
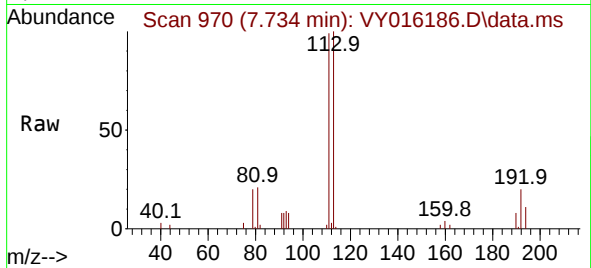




#35
 Dibromofluoromethane
 Concen: 47.946 ug/l
 RT: 7.734 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY016186.D
 Acq: 02 Nov 2023 13:38

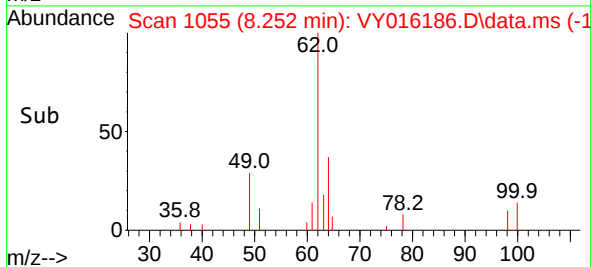
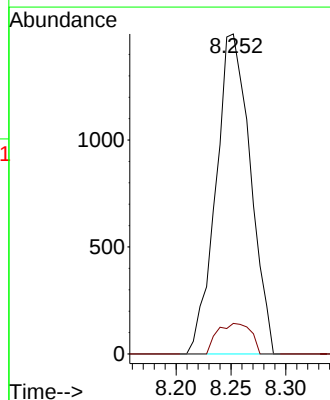
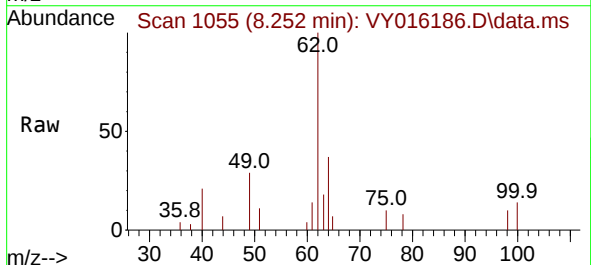
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

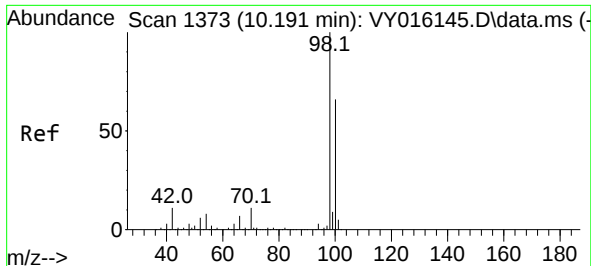
Tgt Ion:	113	Resp:	14846
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.3	121.9
192	20.5	16.9	25.3



#42
 1,2-Dichloroethane
 Concen: 9.140 ug/l
 RT: 8.252 min Scan# 1055
 Delta R.T. 0.006 min
 Lab File: VY016186.D
 Acq: 02 Nov 2023 13:38

Tgt Ion:	62	Resp:	3274
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8

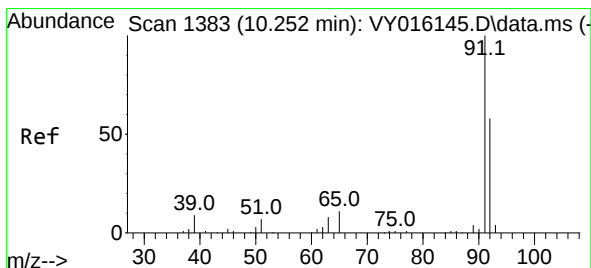
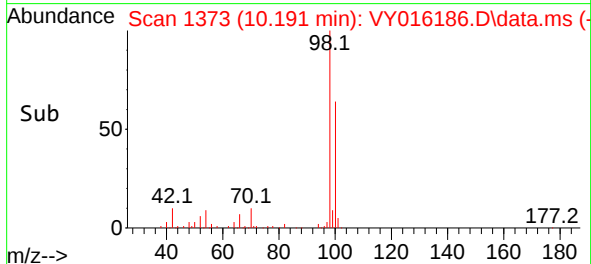
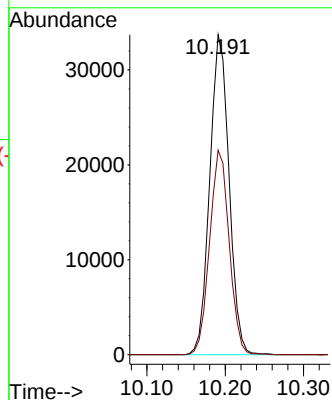
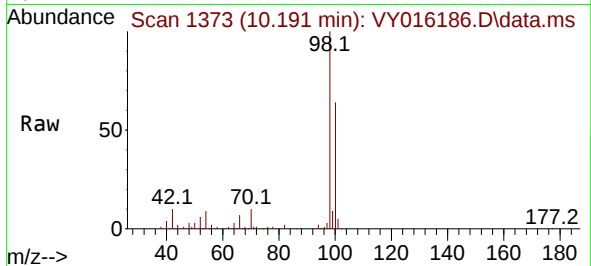




#50
Toluene-d8
Concen: 46.875 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

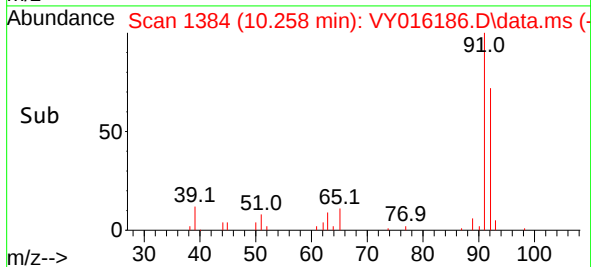
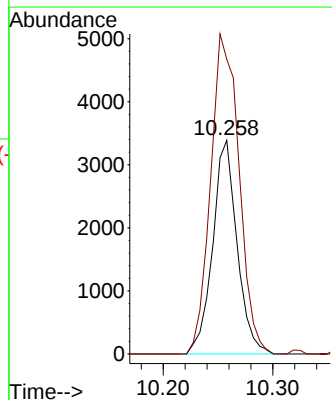
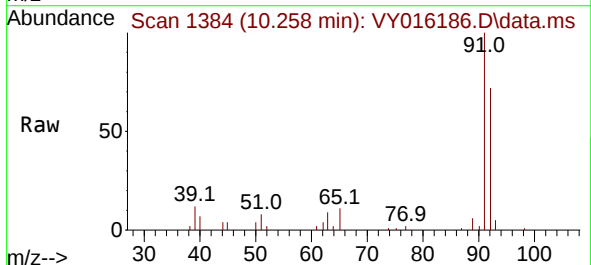
Instrument :
MSVOA_Y
ClientSampleId :
VOC

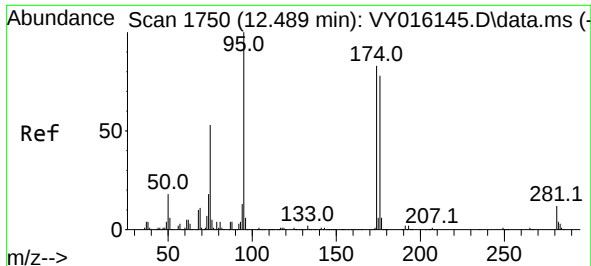
Tgt Ion: 98 Resp: 57547
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#52
Toluene
Concen: 6.294 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 92 Resp: 5235
Ion Ratio Lower Upper
92 100
91 174.1 143.8 215.6





#62

4-Bromofluorobenzene

Concen: 44.636 ug/l

RT: 12.495 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VOC

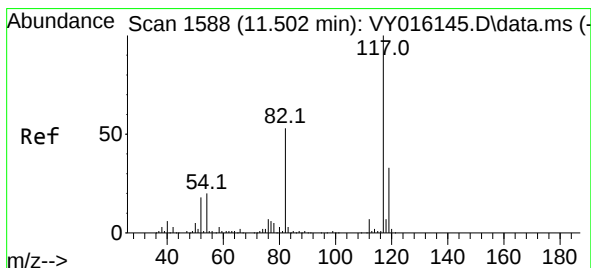
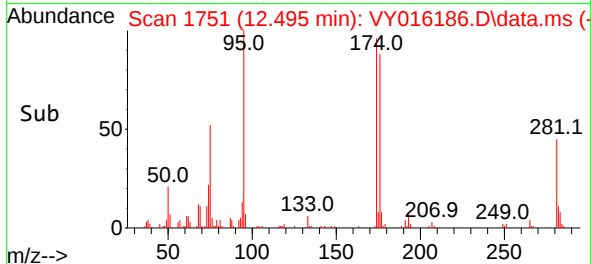
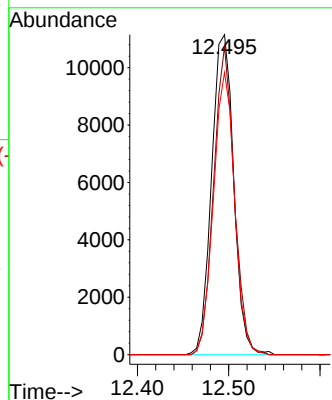
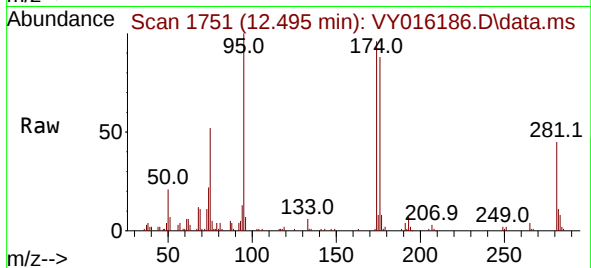
Tgt Ion: 95 Resp: 18738

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

176 84.9 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. -0.000 min

Lab File: VY016186.D

Acq: 02 Nov 2023 13:38

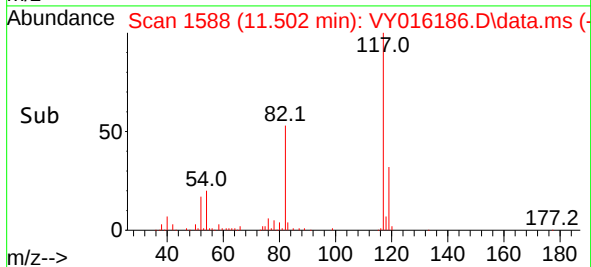
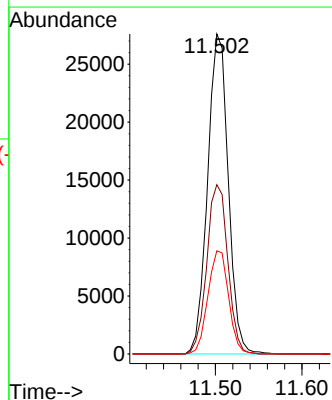
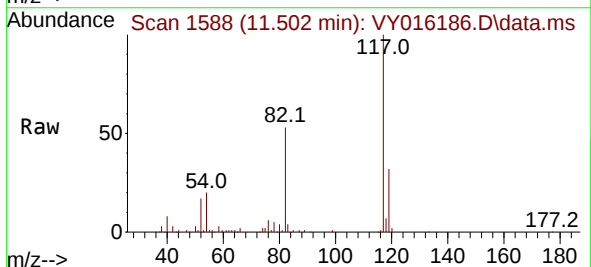
Tgt Ion: 117 Resp: 45747

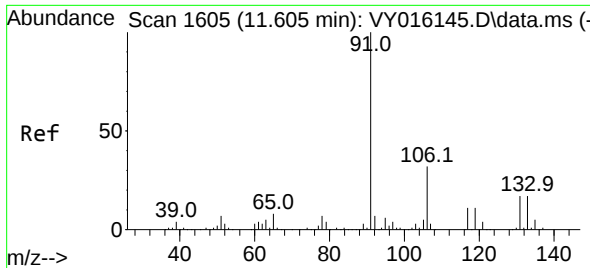
Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 32.2 26.3 39.5

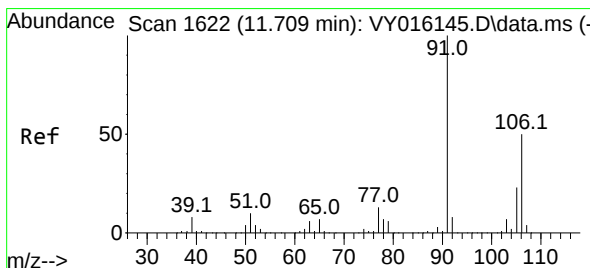
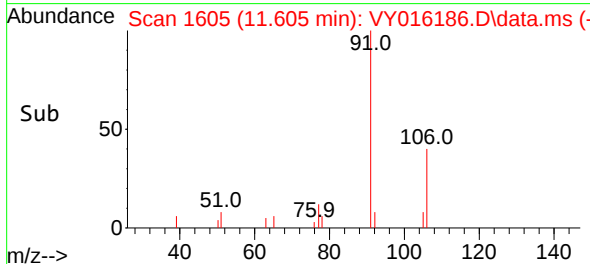
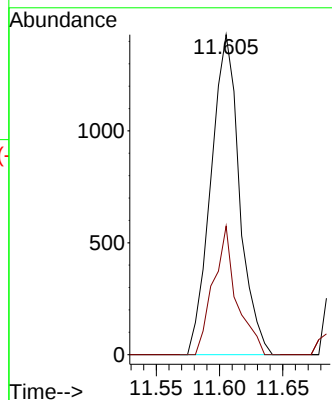
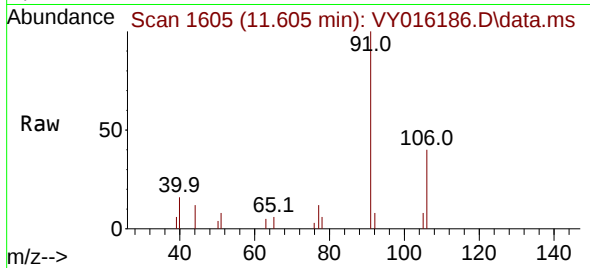




#67
Ethyl Benzene
Concen: 1.383 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

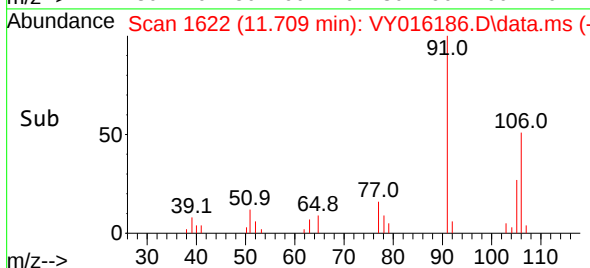
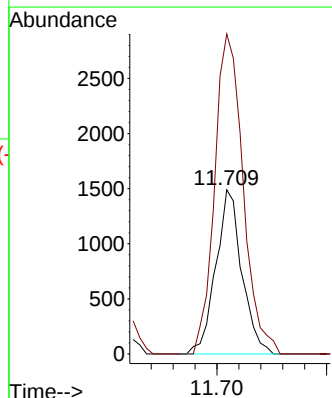
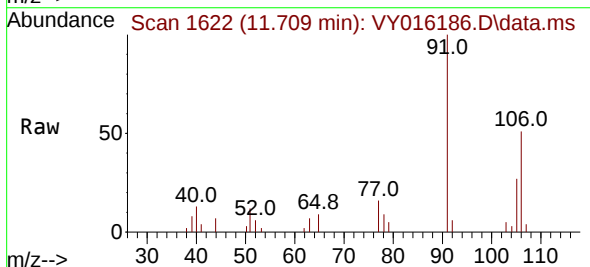
Instrument :
MSVOA_Y
ClientSampleId :
VOC

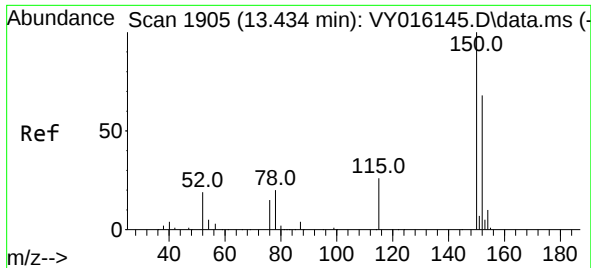
Tgt Ion: 91 Resp: 2248
Ion Ratio Lower Upper
91 100
106 40.1 24.6 36.8#



#68
m/p-Xylenes
Concen: 3.916 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion: 106 Resp: 2460
Ion Ratio Lower Upper
106 100
91 212.9 166.1 249.1

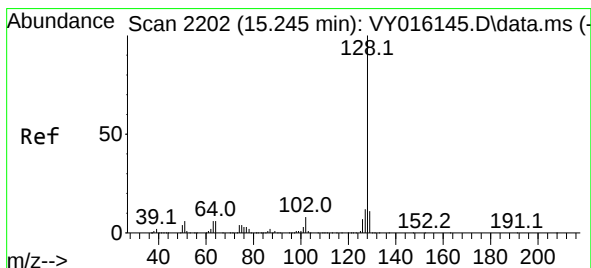
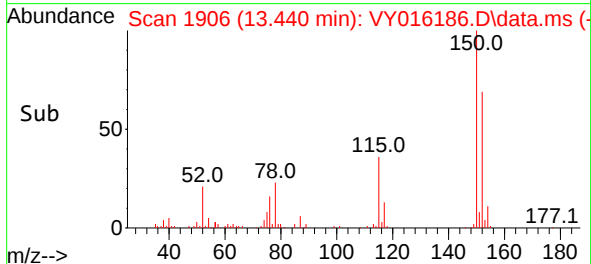
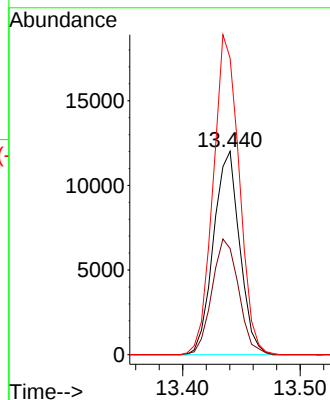
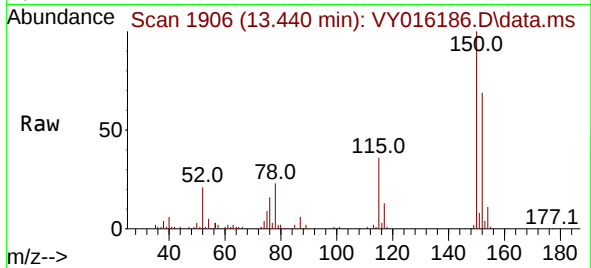




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:152 Resp: 18625
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 155.9 0.0 348.8



#95
Naphthalene
Concen: 3.741 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016186.D
Acq: 02 Nov 2023 13:38

Tgt Ion:128 Resp: 2425
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 11.1 8.6 13.0

