

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021716.D
 Acq On : 31 Mar 2025 13:51
 Operator : SY/MD
 Sample : Q1679-07
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Quant Time: Apr 01 05:36:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

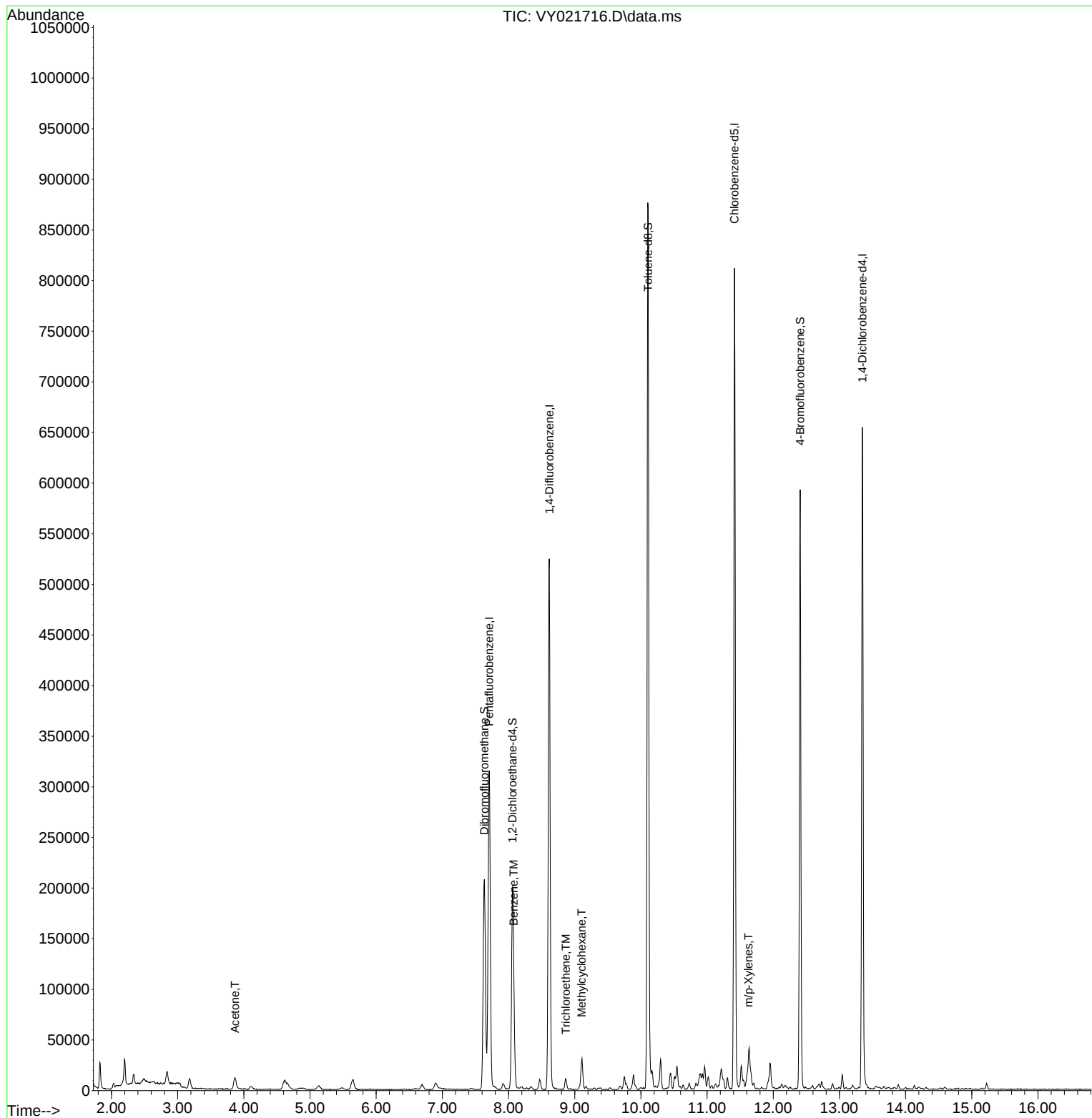
Internal Standards						
1) Pentafluorobenzene	7.707	168	230596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142706	57.118	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 114.240%		
35) Dibromofluoromethane	7.634	113	146821	51.961	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.920%		
50) Toluene-d8	10.109	98	544460	50.650	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.300%		
62) 4-Bromofluorobenzene	12.408	95	169817	46.705	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 93.400%		
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	19643	38.415	ug/l	96
39) Methylcyclohexane	9.103	83	10591	2.060	ug/l	96
40) Benzene	8.079	78	39809	3.089	ug/l	98
44) Trichloroethene	8.866	130	3469	1.056	ug/l	94
68) m/p-Xylenes	11.627	106	8258	1.331	ug/l	97

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

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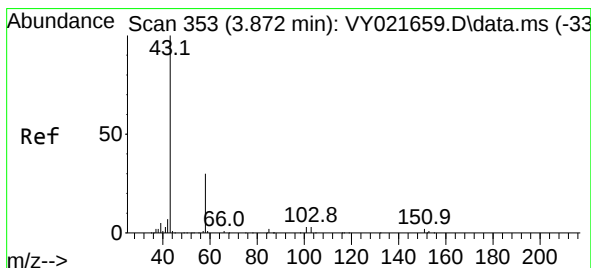
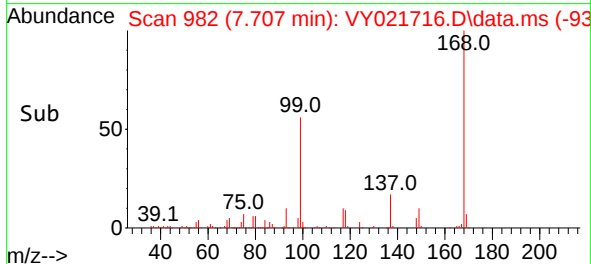
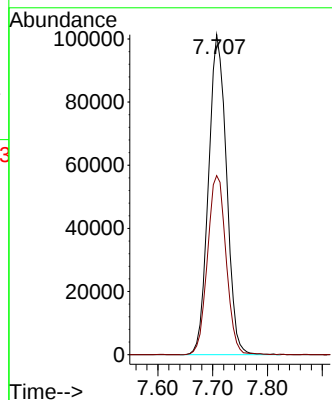
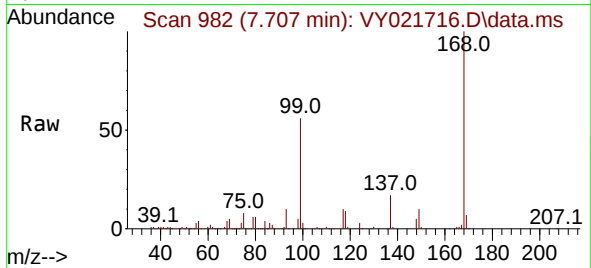




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

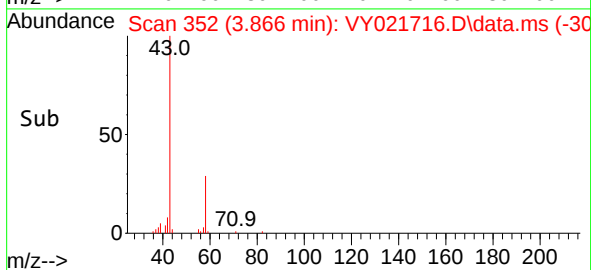
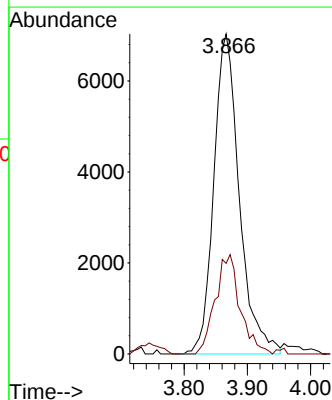
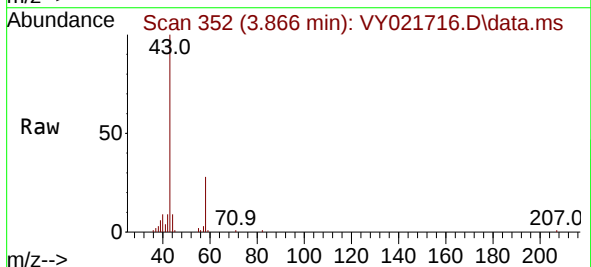
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

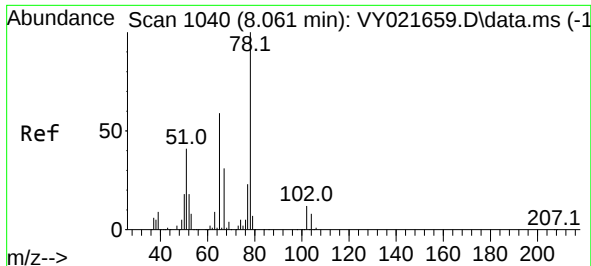
Tgt Ion:168 Resp: 230596
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#16
Acetone
Concen: 38.415 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 43 Resp: 19643
Ion Ratio Lower Upper
43 100
58 28.3 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 57.118 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021716.D

Acq: 31 Mar 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

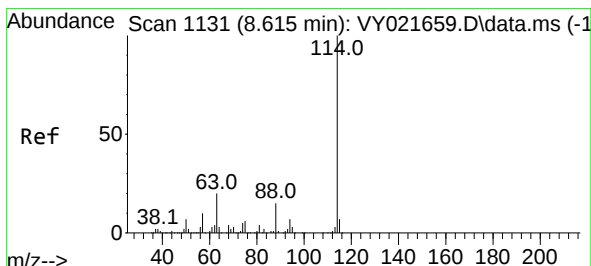
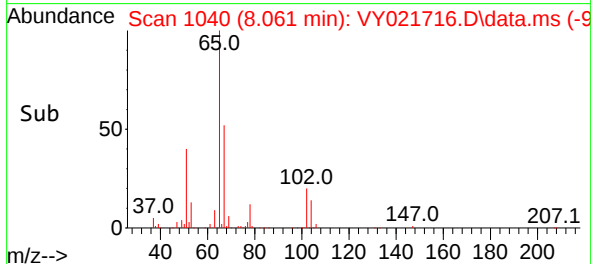
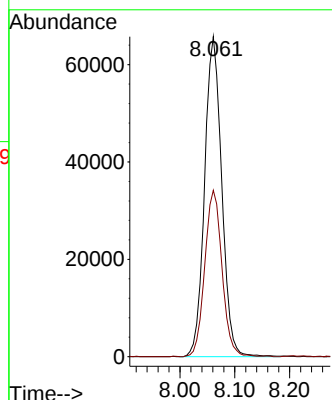
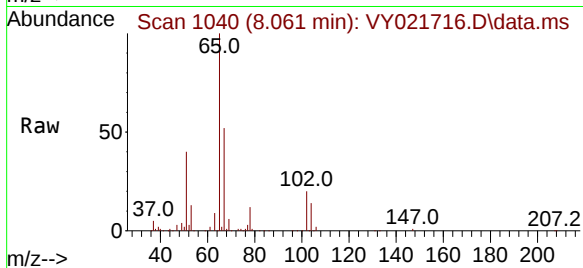
TP-9-VOC

Tgt Ion: 65 Resp: 142706

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021716.D

Acq: 31 Mar 2025 13:51

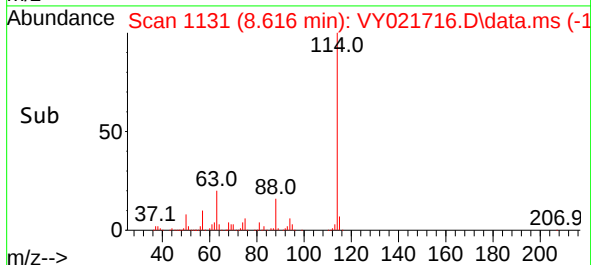
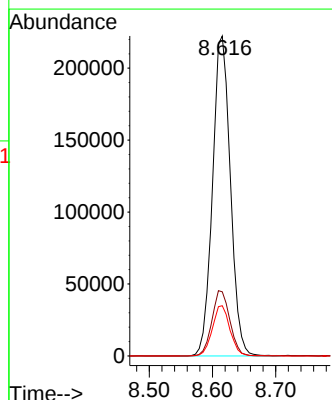
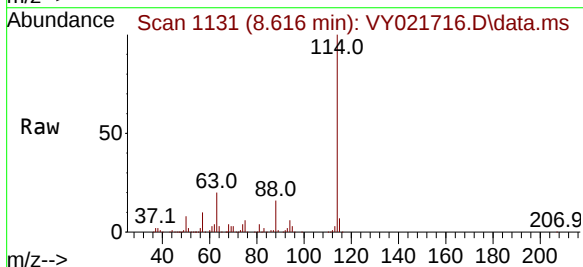
Tgt Ion: 114 Resp: 435592

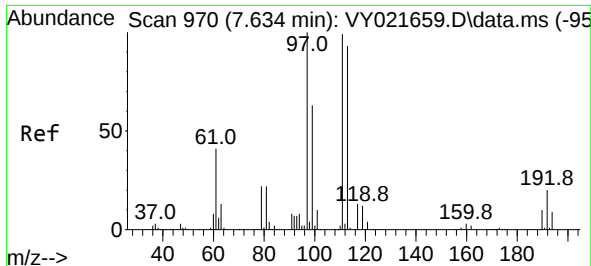
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.7 0.0 29.8

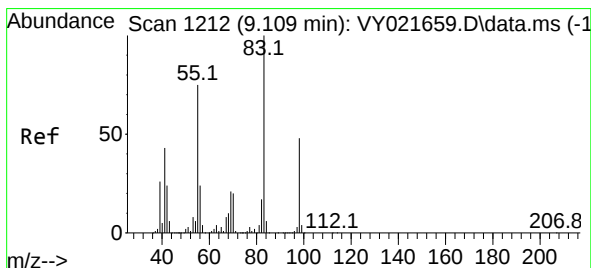
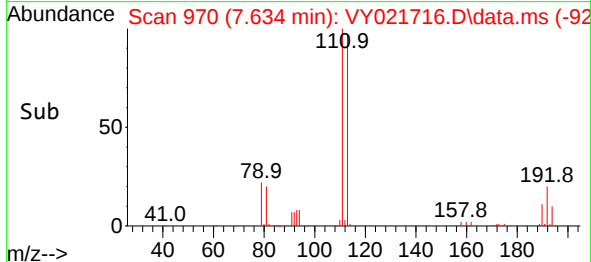
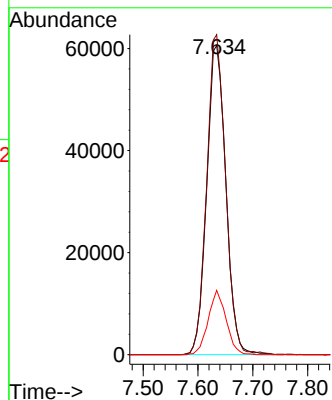
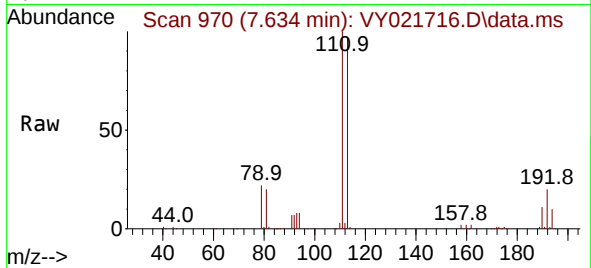




#35
Dibromofluoromethane
Concen: 51.961 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

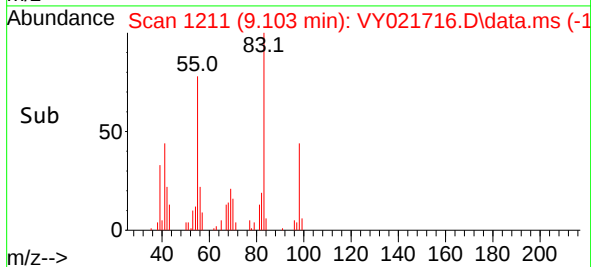
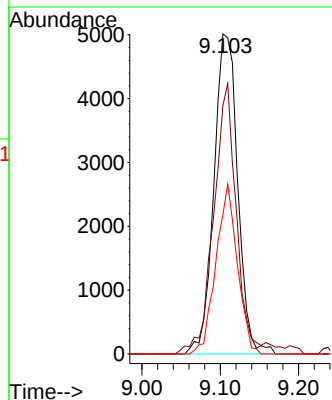
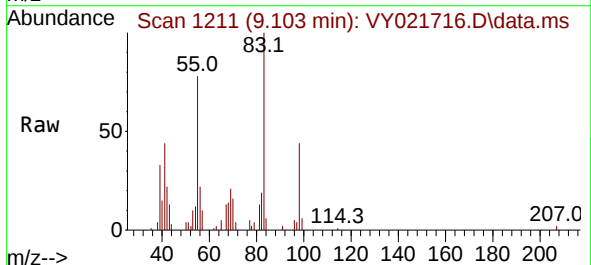
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

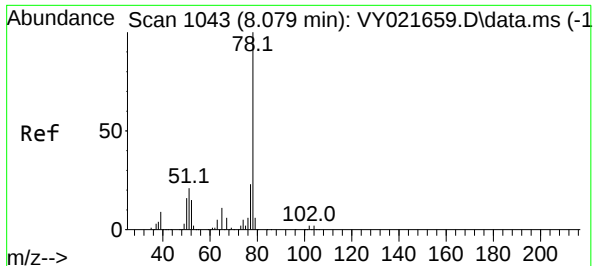
Tgt Ion:113 Resp: 146821
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 19.5 16.2 24.4



#39
Methylcyclohexane
Concen: 2.060 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 83 Resp: 10591
Ion Ratio Lower Upper
83 100
55 76.6 59.7 89.5
98 43.5 38.3 57.5

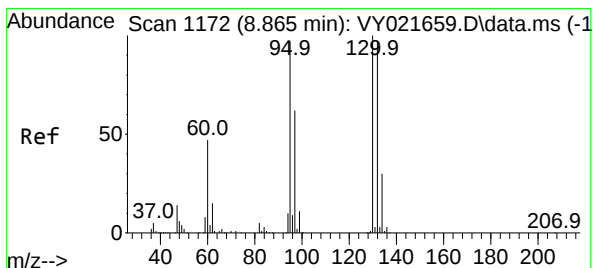
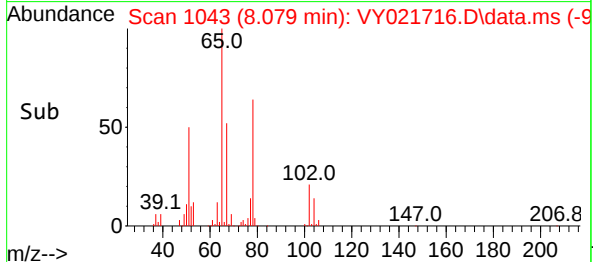
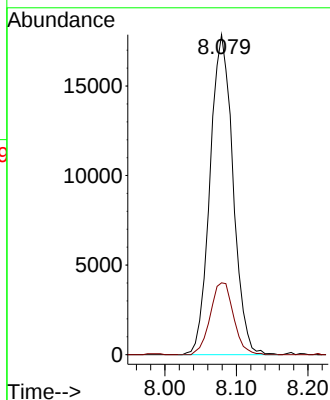
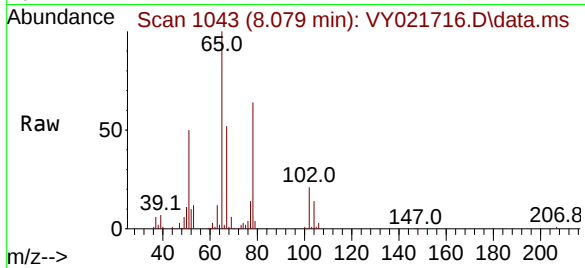




#40
Benzene
Concen: 3.089 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

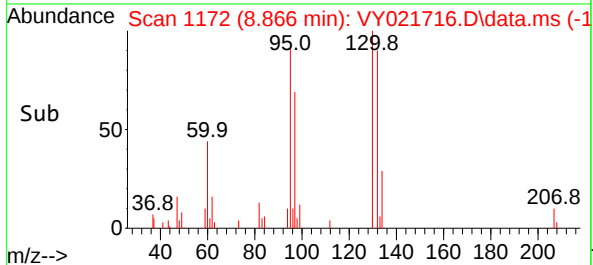
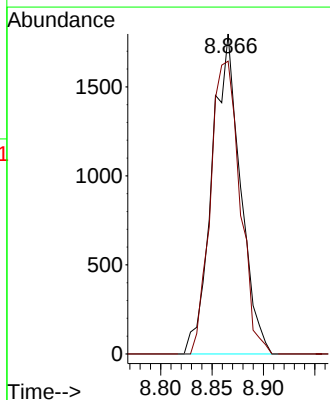
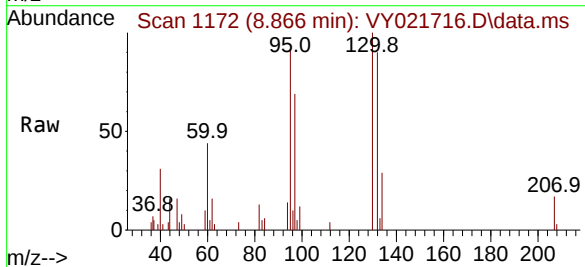
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

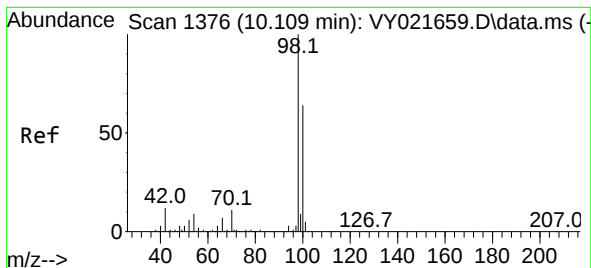
Tgt Ion: 78 Resp: 39809
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2



#44
Trichloroethene
Concen: 1.056 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion:130 Resp: 3469
Ion Ratio Lower Upper
130 100
95 91.5 0.0 194.8

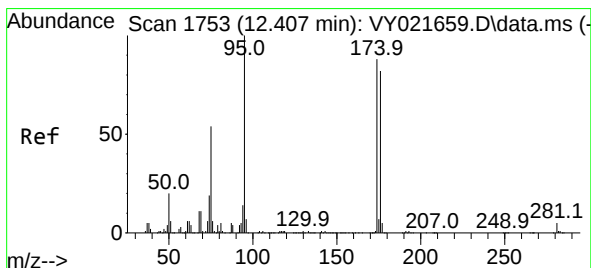
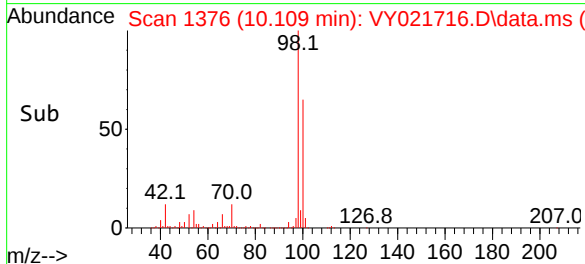
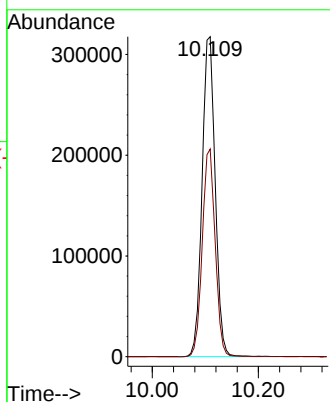
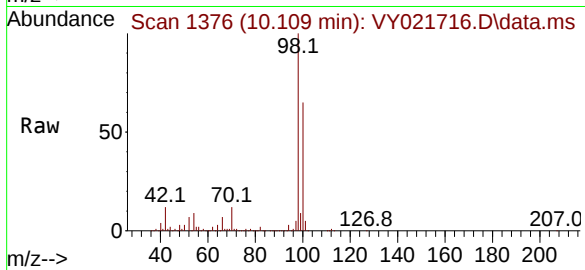




#50
Toluene-d8
Concen: 50.650 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

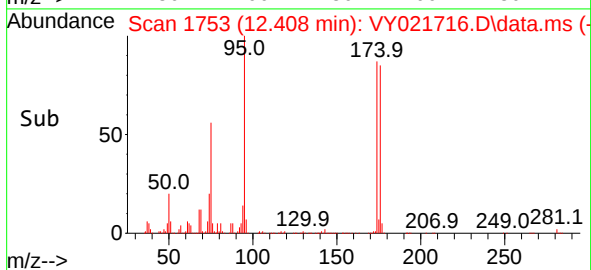
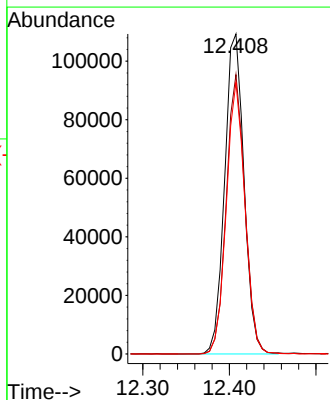
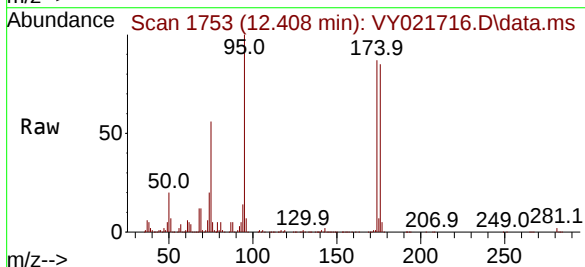
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

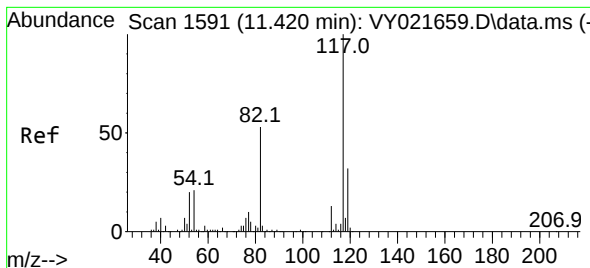
Tgt Ion: 98 Resp: 544460
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.705 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 95 Resp: 169817
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 81.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021716.D

Acq: 31 Mar 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC

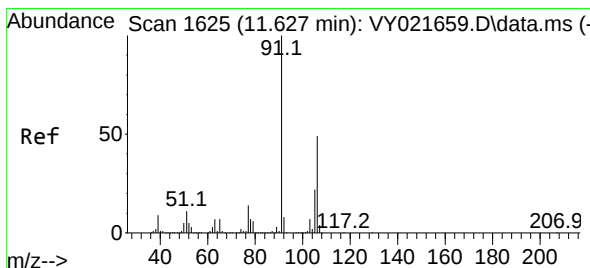
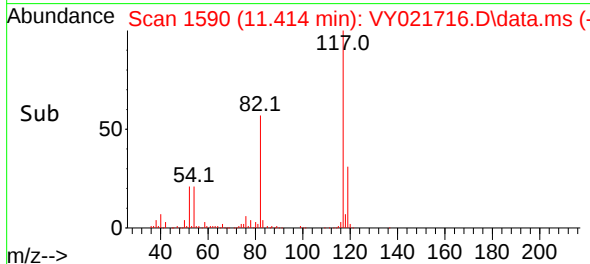
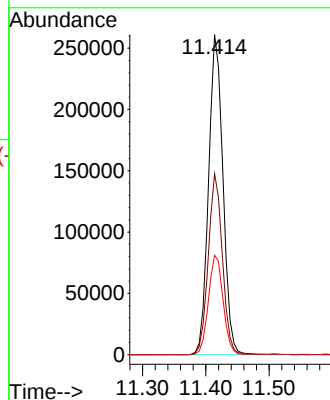
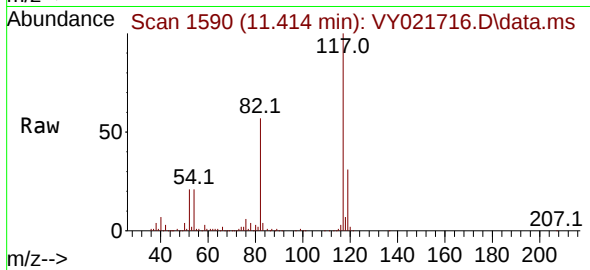
Tgt Ion:117 Resp: 412160

Ion Ratio Lower Upper

117 100

82 56.5 42.8 64.2

119 31.1 25.7 38.5



#68

m/p-Xylenes

Concen: 1.331 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021716.D

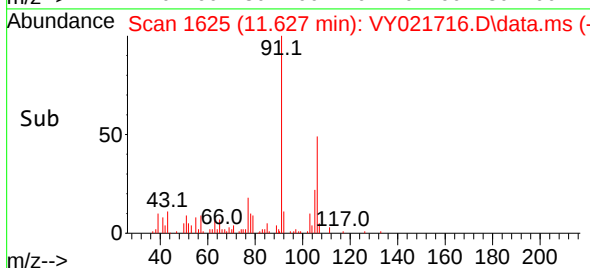
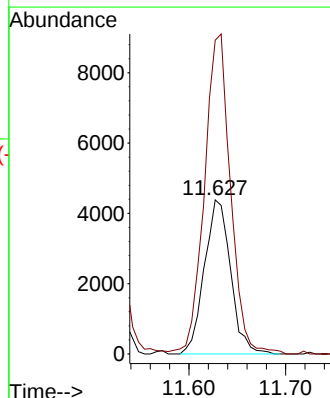
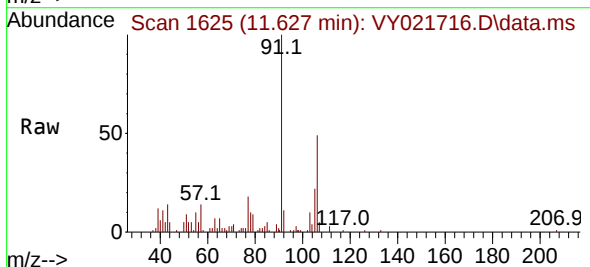
Acq: 31 Mar 2025 13:51

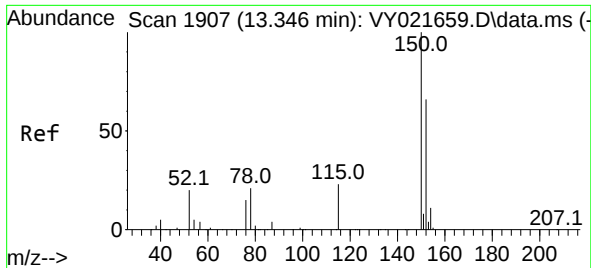
Tgt Ion:106 Resp: 8258

Ion Ratio Lower Upper

106 100

91 207.0 162.4 243.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021716.D
 Acq: 31 Mar 2025 13:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Tgt Ion:152 Resp: 160161
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.8 86.5
 150 157.0 0.0 348.4

