

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021894.D
 Acq On : 15 Apr 2025 14:26
 Operator : SY/MD
 Sample : IBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15-VOC

Quant Time: Apr 16 03:02:11 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)

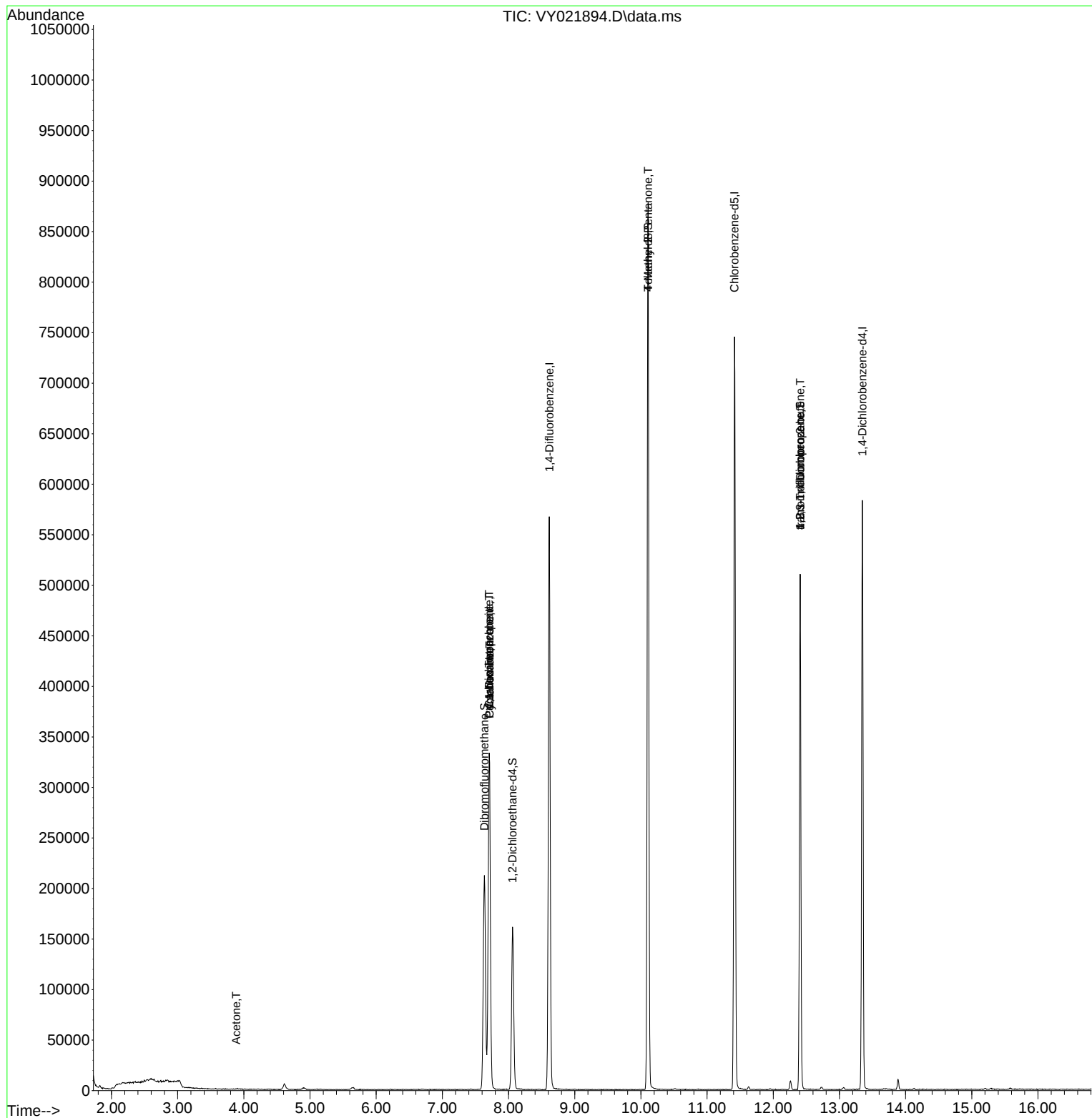
Internal Standards						
1) Pentafluorobenzene	7.713	168	253946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	464077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126571	46.002	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.000%		
35) Dibromofluoromethane	7.634	113	148668	49.385	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.760%		
50) Toluene-d8	10.109	98	553750	48.352	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.700%		
62) 4-Bromofluorobenzene	12.408	95	152165	39.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	78.560%		
Target Compounds						
16) Acetone	3.885	43	700	1.243	ug/l #	74
20) Methylene Chloride	4.616	84	3522	Below Cal	#	84
31) Cyclohexane	7.713	56	5670	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	20333	4.434	ug/l #	51
38) Carbon Tetrachloride	7.707	117	25656	4.885	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2611	1.223	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	79361	55.495	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	79361	127.870	ug/l #	12

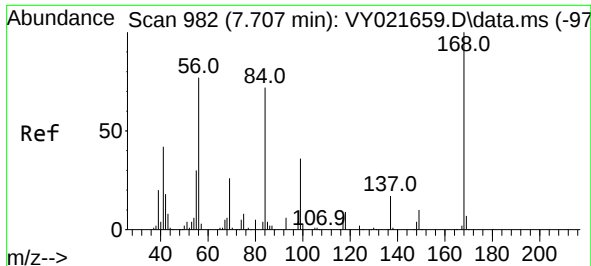
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

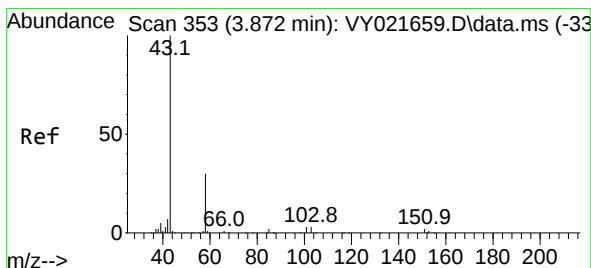
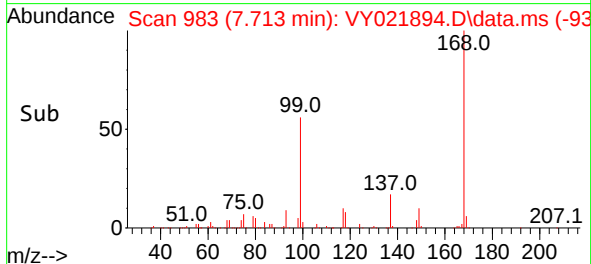
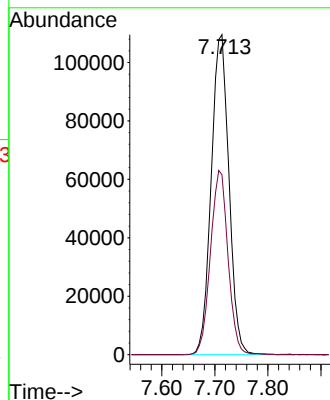
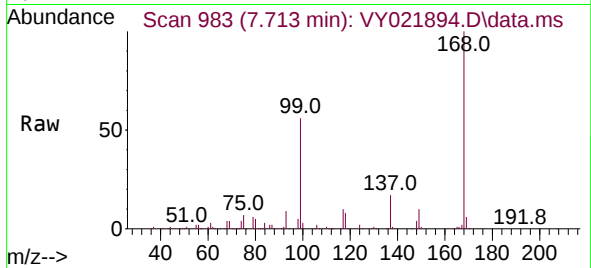




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

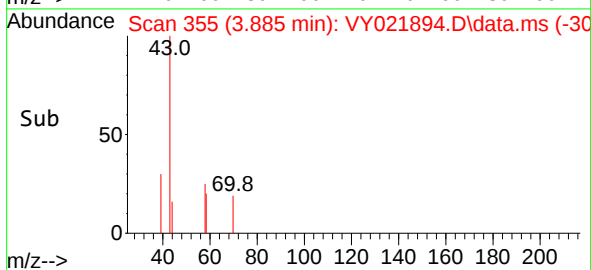
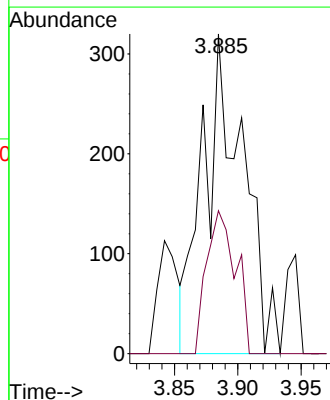
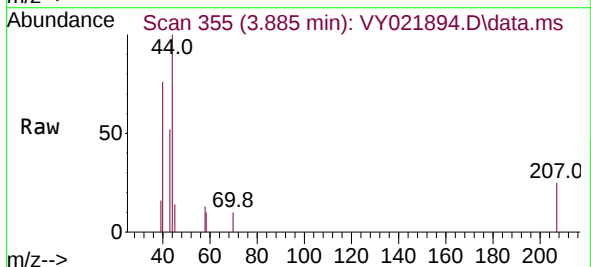
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

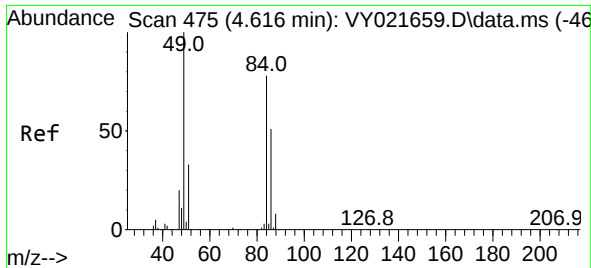
Tgt Ion:168 Resp: 253946
Ion Ratio Lower Upper
168 100
99 56.2 46.7 70.1



#16
Acetone
Concen: 1.243 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 44.7 24.2 36.4#



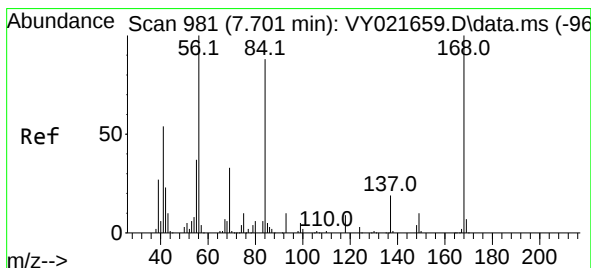
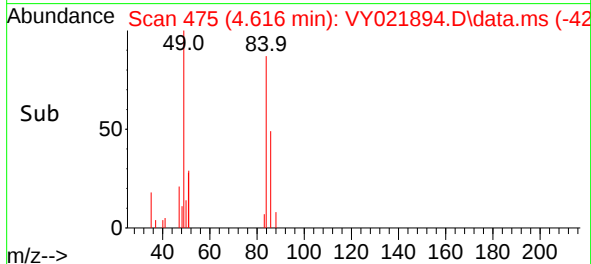
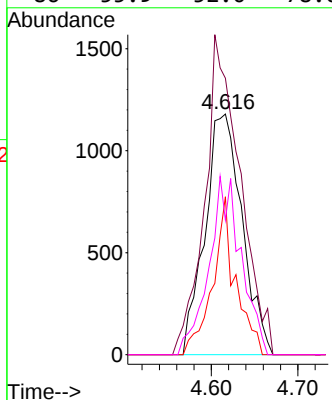
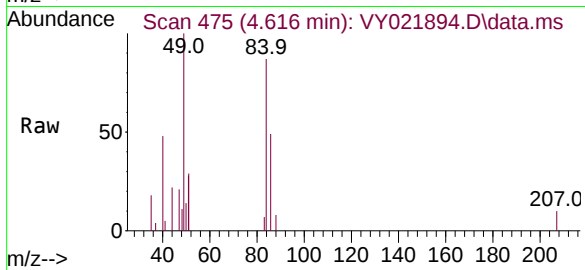


#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

Tgt Ion: 84 Resp: 3522

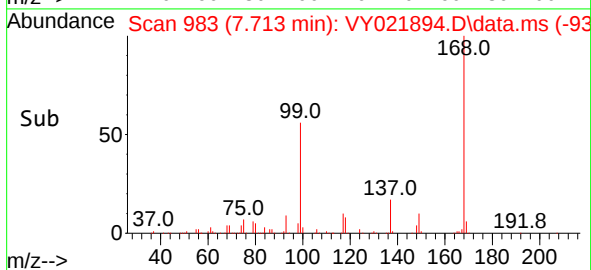
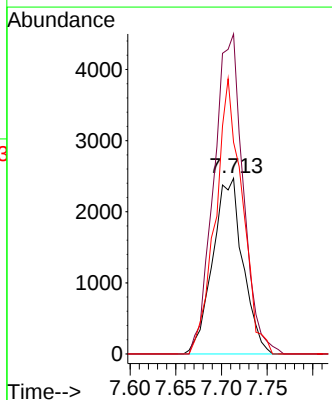
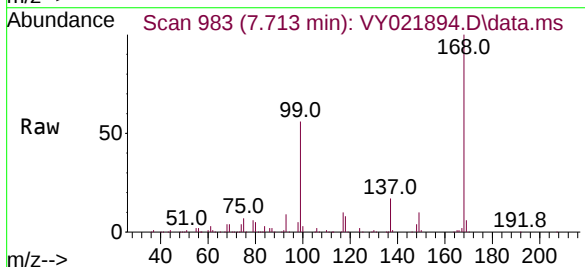
Ion	Ratio	Lower	Upper
84	100		
49	114.9	102.8	154.2
51	65.6	33.5	50.3#
86	55.9	52.0	78.0

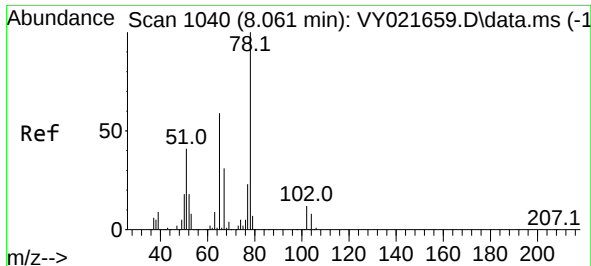


#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Tgt Ion: 56 Resp: 5670

Ion	Ratio	Lower	Upper
56	100		
69	182.1	26.6	40.0#
84	120.4	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 46.002 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021894.D

Acq: 15 Apr 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

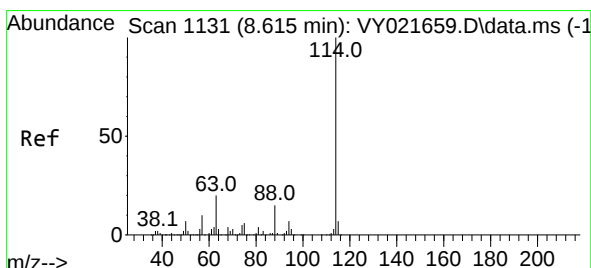
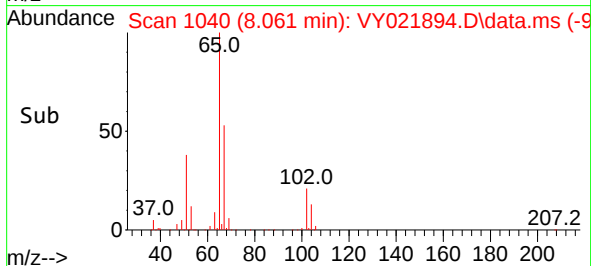
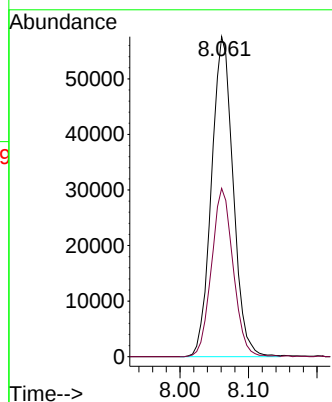
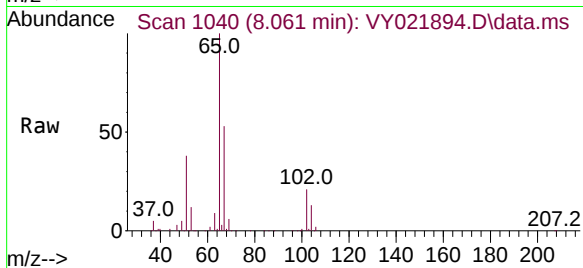
TP-15-VOC

Tgt Ion: 65 Resp: 126571

Ion Ratio Lower Upper

65 100

67 52.4 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: VY021894.D

Acq: 15 Apr 2025 14:26

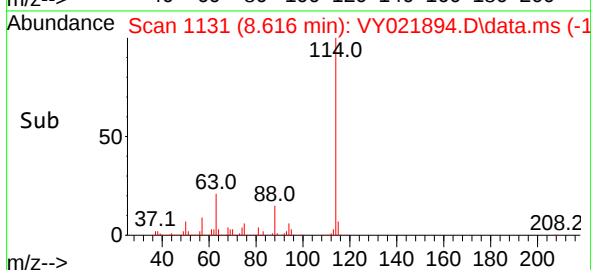
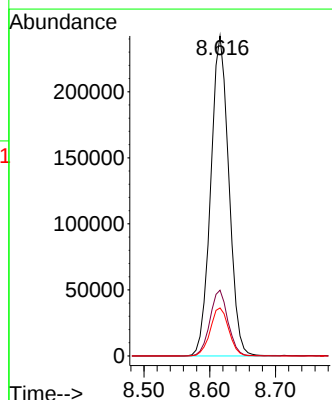
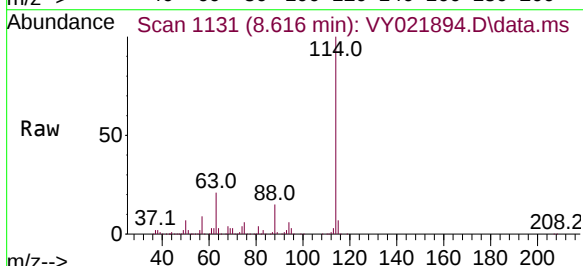
Tgt Ion: 114 Resp: 464077

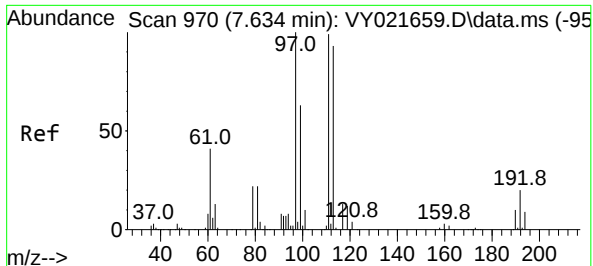
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.0 0.0 29.8

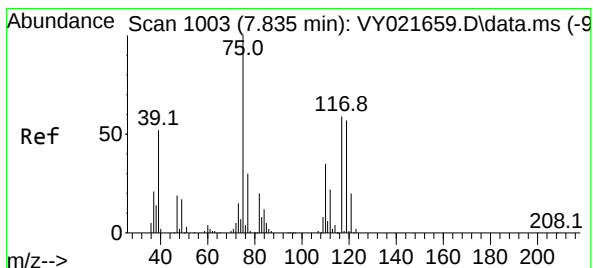
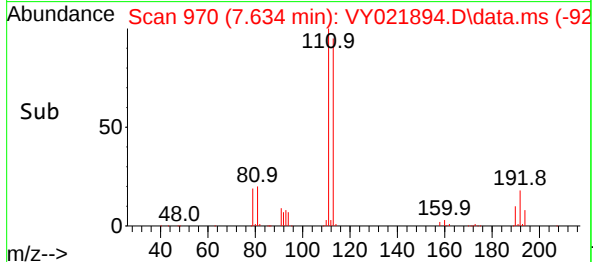
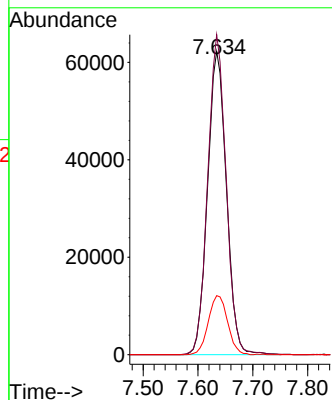
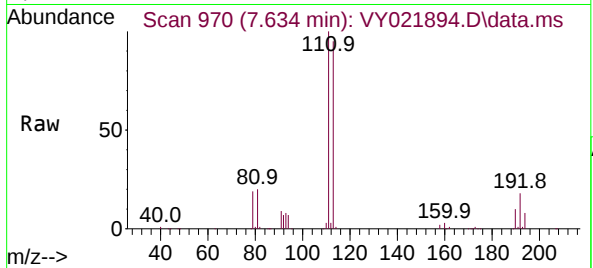




#35
Dibromofluoromethane
Concen: 49.385 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

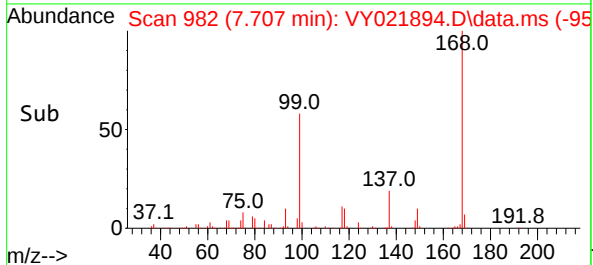
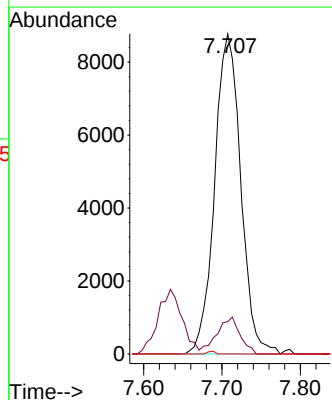
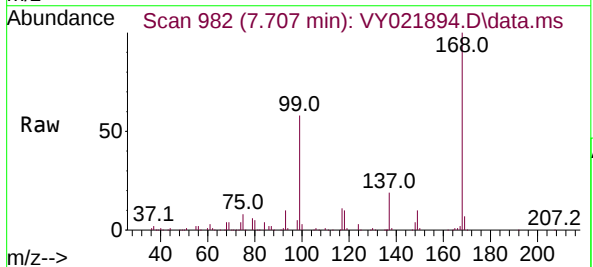
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

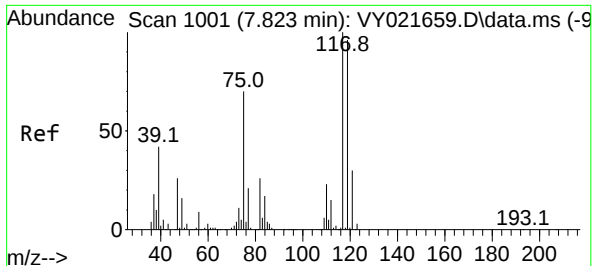
Tgt Ion:113 Resp: 148668
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.434 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Tgt Ion: 75 Resp: 20333
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.8 37.2#

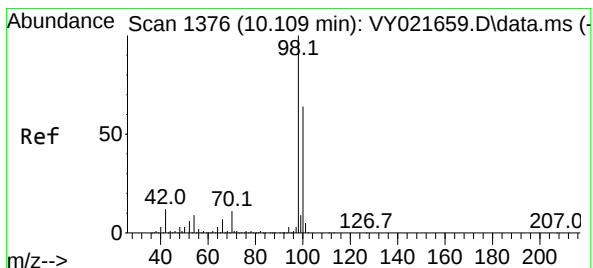
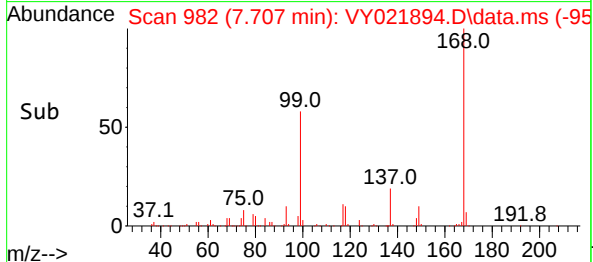
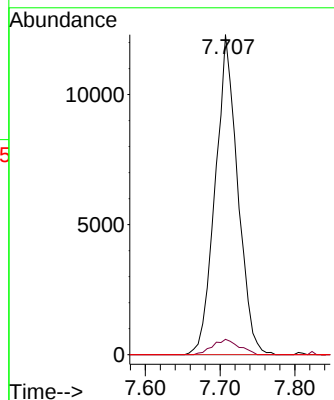
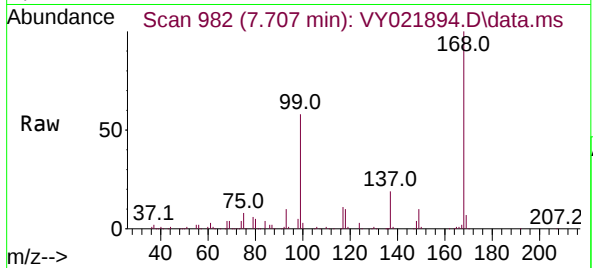




#38
Carbon Tetrachloride
Concen: 4.885 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

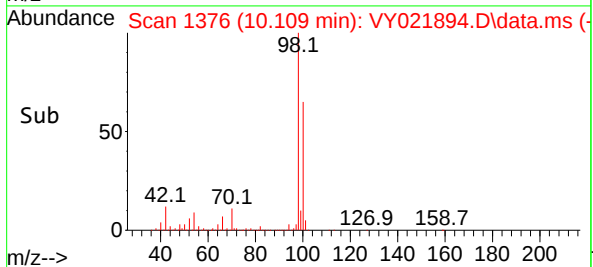
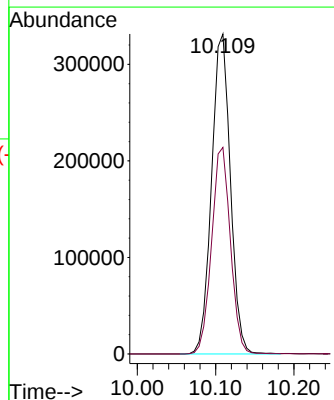
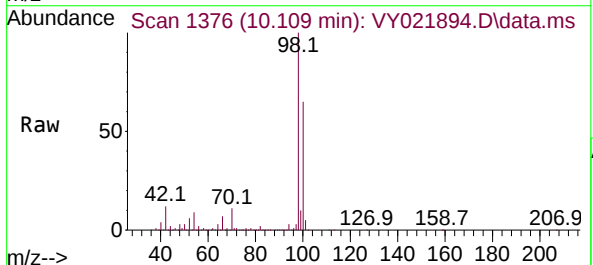
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

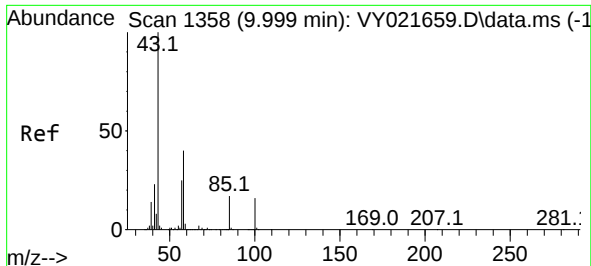
Tgt Ion:117 Resp: 25656
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.352 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Tgt Ion: 98 Resp: 553750
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.223 ug/l

RT: 10.109 min Scan# 1358

Delta R.T. 0.110 min

Lab File: VY021894.D

Acq: 15 Apr 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

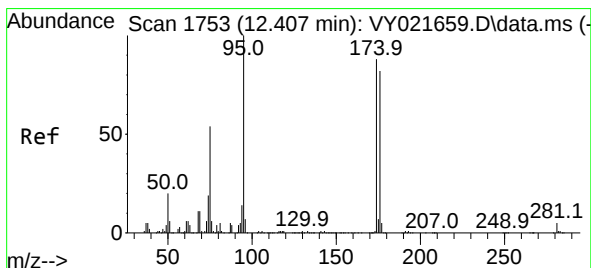
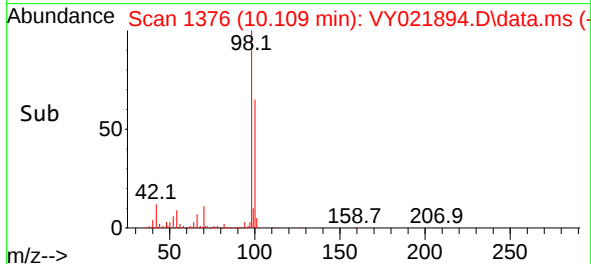
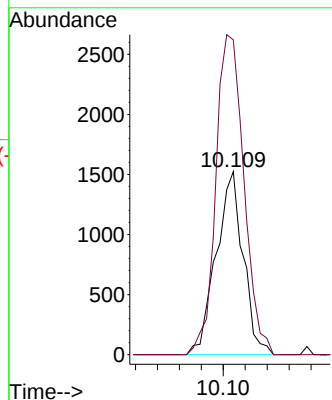
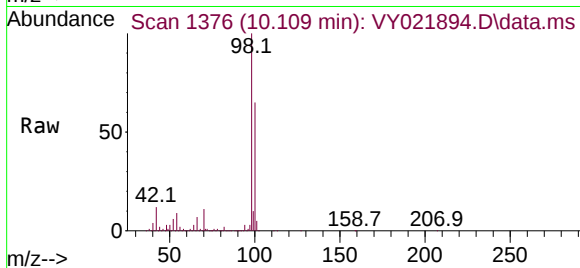
TP-15-VOC

Tgt Ion: 43 Resp: 2611

Ion Ratio Lower Upper

43 100

58 181.7 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 39.281 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021894.D

Acq: 15 Apr 2025 14:26

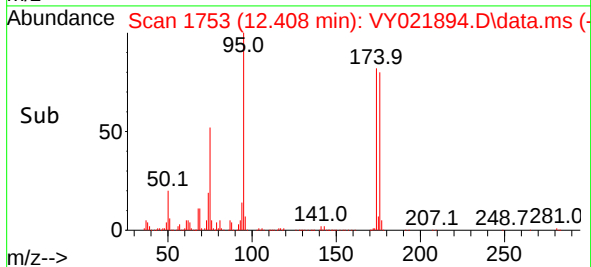
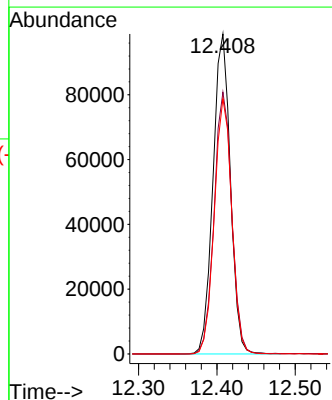
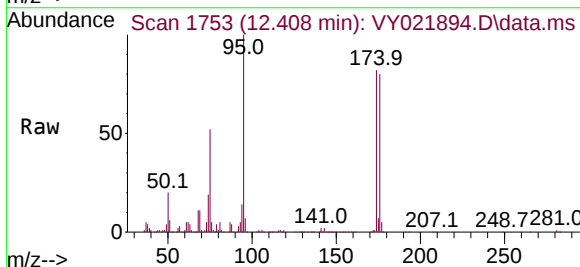
Tgt Ion: 95 Resp: 152165

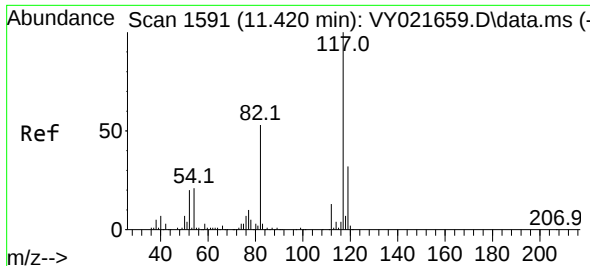
Ion Ratio Lower Upper

95 100

174 82.9 0.0 170.8

176 80.3 0.0 162.0

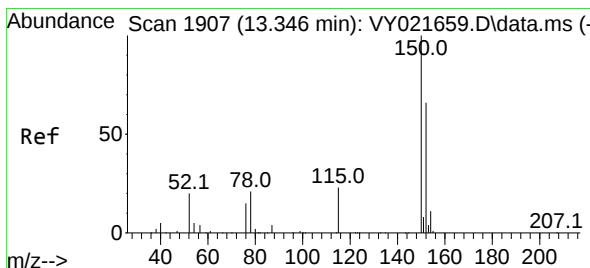
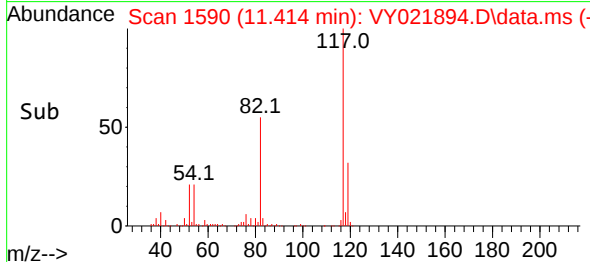
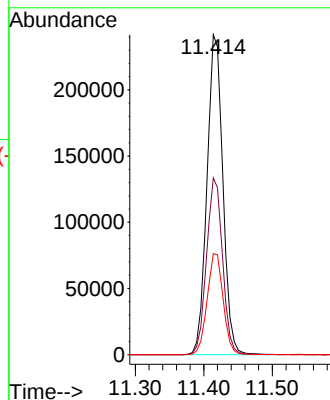
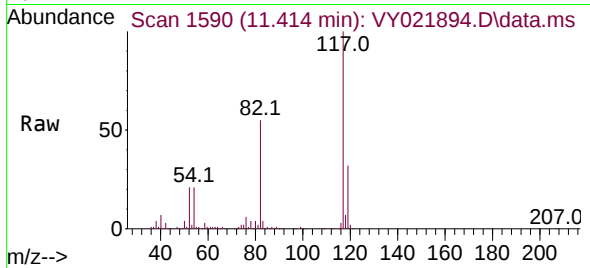




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

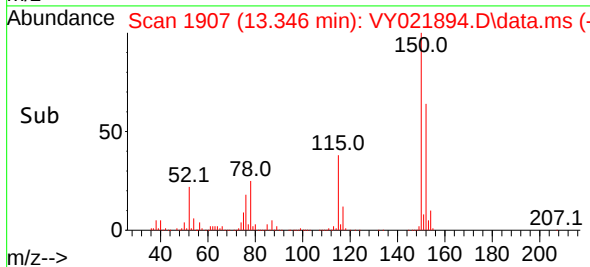
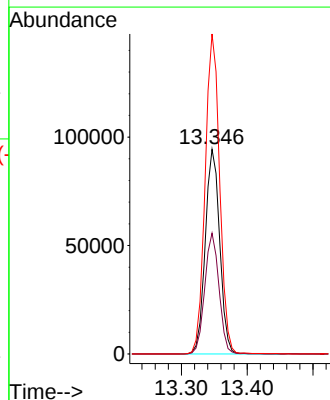
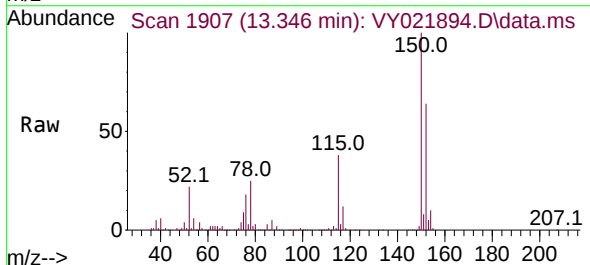
Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

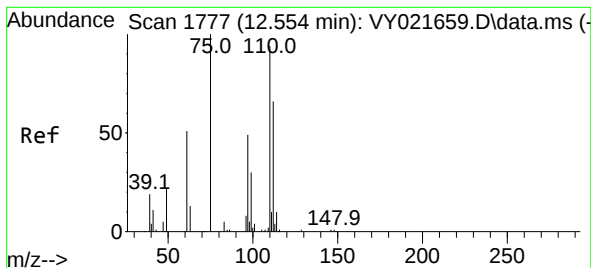
Tgt Ion:117 Resp: 390210
Ion Ratio Lower Upper
117 100
82 55.2 42.8 64.2
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Tgt Ion:152 Resp: 144267
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 156.9 0.0 348.4

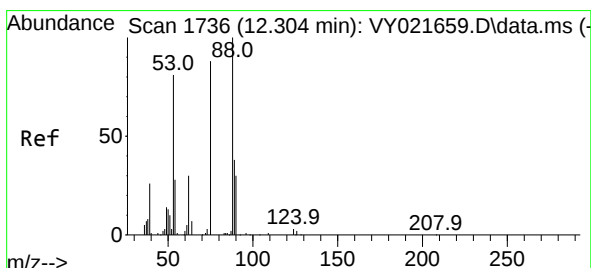
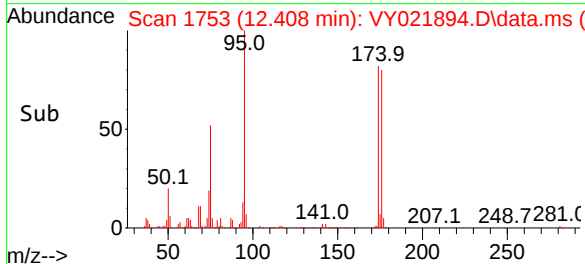
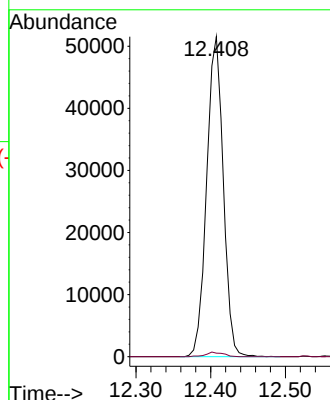
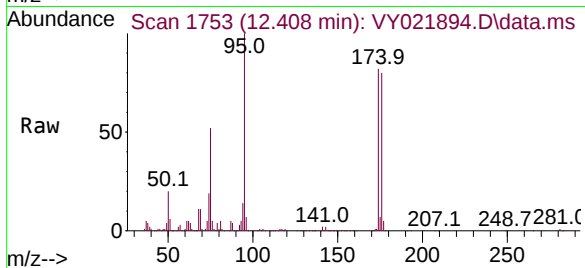




#76
1,2,3-Trichloropropane
Concen: 55.495 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-15-VOC

Tgt Ion: 75 Resp: 79361
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.870 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021894.D
Acq: 15 Apr 2025 14:26

Tgt Ion: 75 Resp: 79361
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

