

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023745.D
 Acq On : 11 Nov 2025 17:11
 Operator : SY/MD
 Sample : Q3601-07
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Nov 12 03:39:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

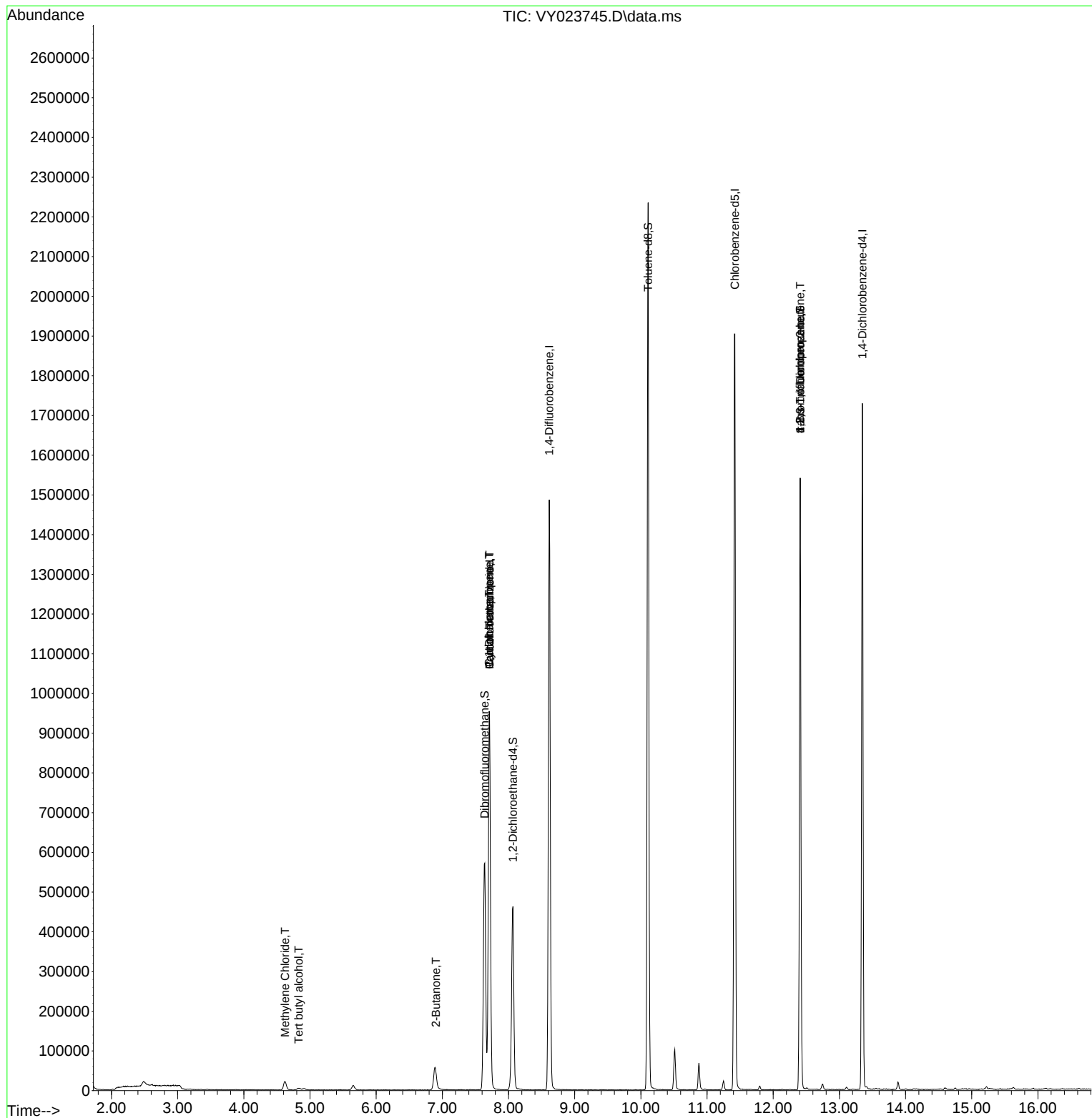
Internal Standards						
1) Pentafluorobenzene	7.713	168	810821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1361856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1140427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	462454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	351989	51.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.820%	
35) Dibromofluoromethane	7.640	113	419981	50.189	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.380%	
50) Toluene-d8	10.109	98	1500096	48.137	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.280%	
62) 4-Bromofluorobenzene	12.408	95	437035	42.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	4211	8.348	ug/l #	72
20) Methylene Chloride	4.623	84	17062	1.955	ug/l	92
25) 2-Butanone	6.903	43	2996	1.520	ug/l #	76
31) Cyclohexane	7.707	56	12801	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	51449	4.644	ug/l #	47
38) Carbon Tetrachloride	7.713	117	72260	5.379	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	210486	51.589	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	210486	126.505	ug/l #	15

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

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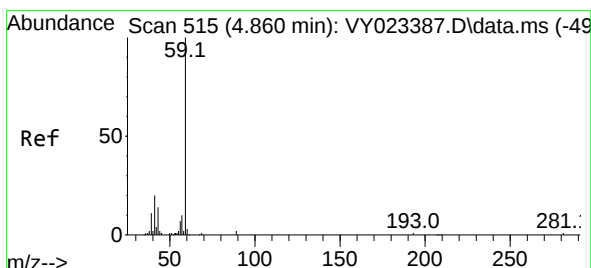
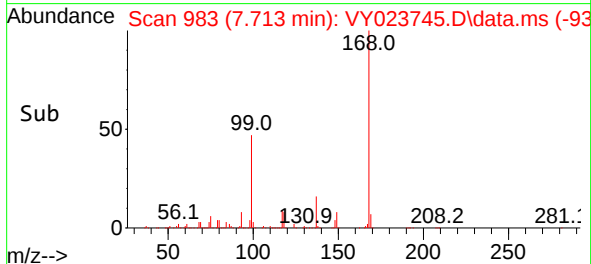
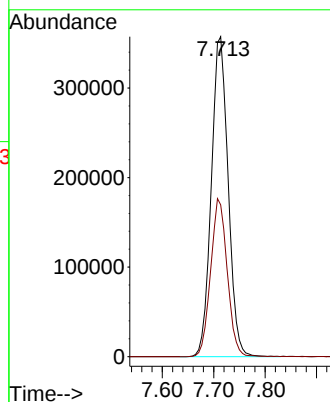
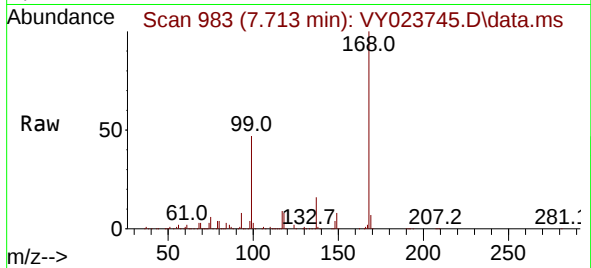




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

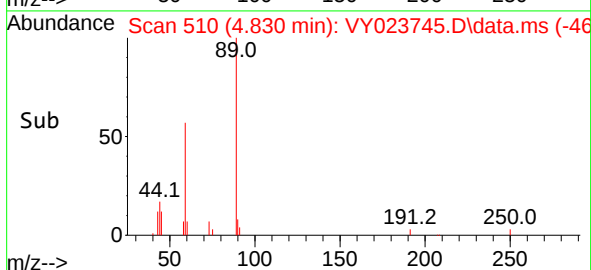
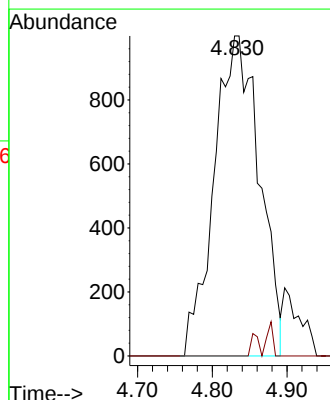
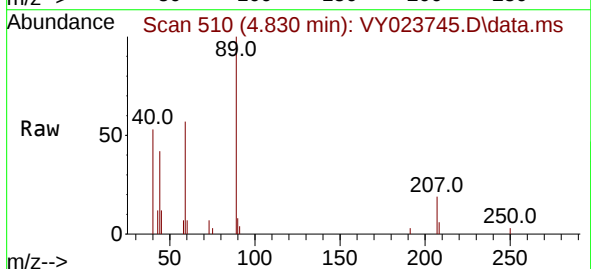
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

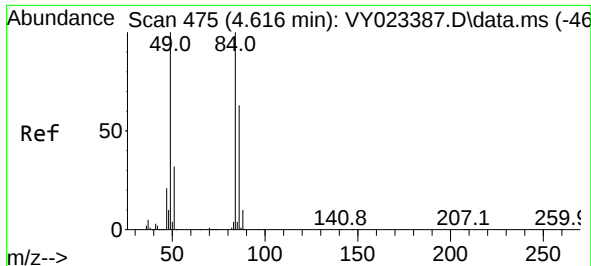
Tgt Ion:168 Resp: 810821
Ion Ratio Lower Upper
168 100
99 47.4 39.7 59.5



#11
Tert butyl alcohol
Concen: 8.348 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

Tgt Ion: 59 Resp: 4211
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

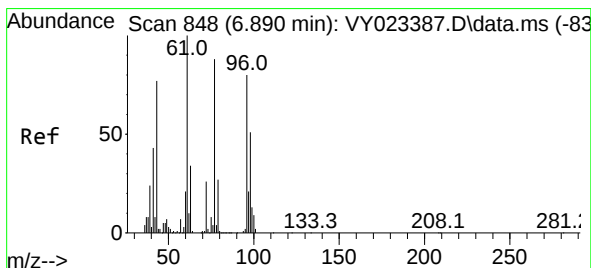
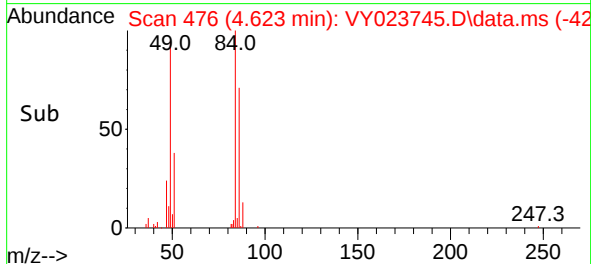
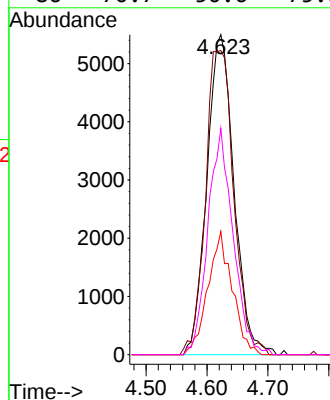
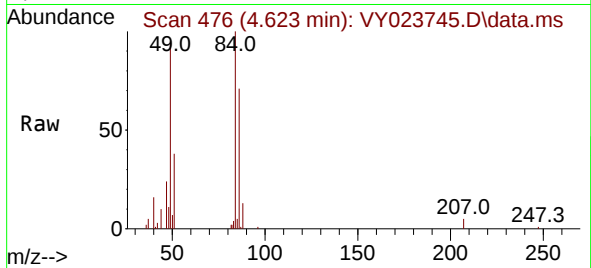




#20
Methylene Chloride
Concen: 1.955 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

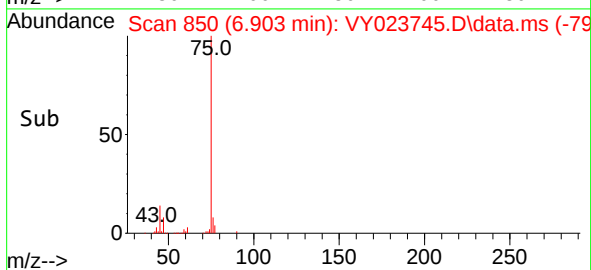
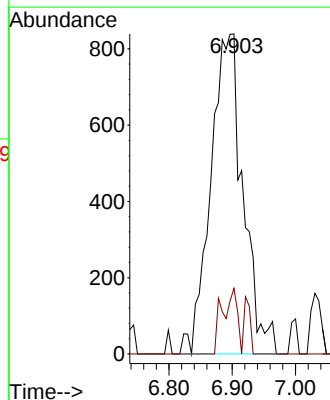
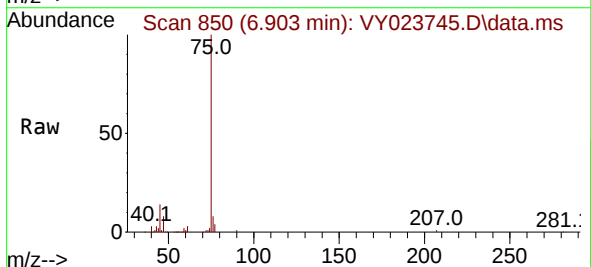
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

Tgt Ion:	84	Resp:	17062
Ion	Ratio	Lower	Upper
84	100		
49	95.0	80.2	120.4
51	38.5	25.9	38.9
86	70.7	50.6	75.8



#25
2-Butanone
Concen: 1.520 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

Tgt Ion:	43	Resp:	2996
Ion	Ratio	Lower	Upper
43	100		
72	20.5	27.4	41.2#

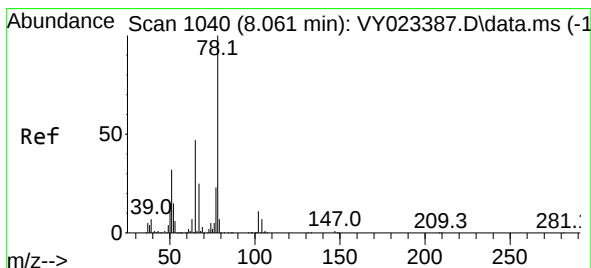
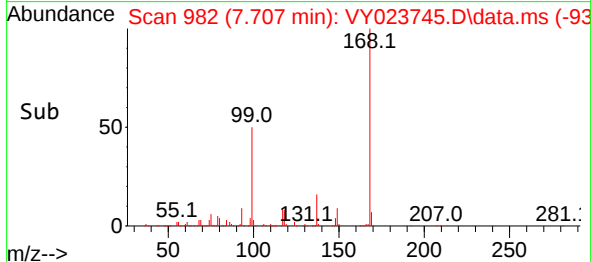
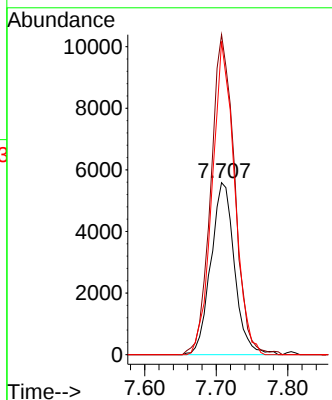
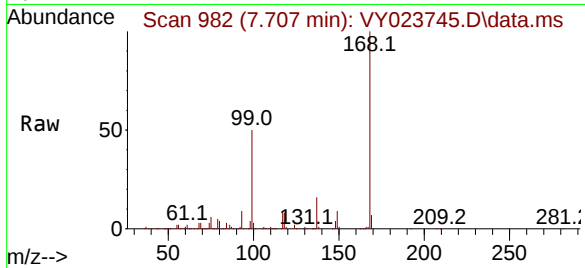




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

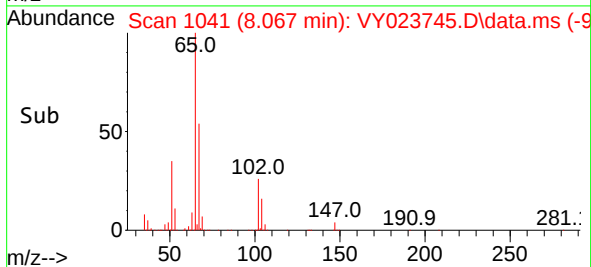
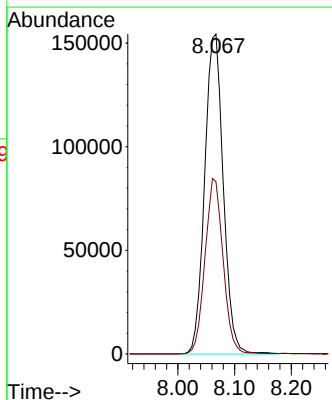
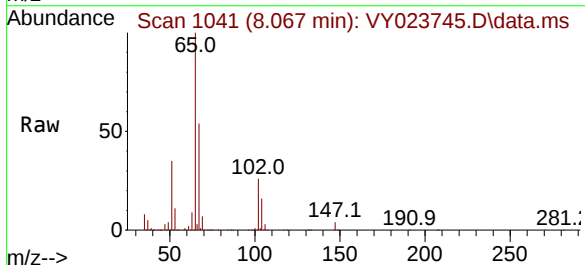
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

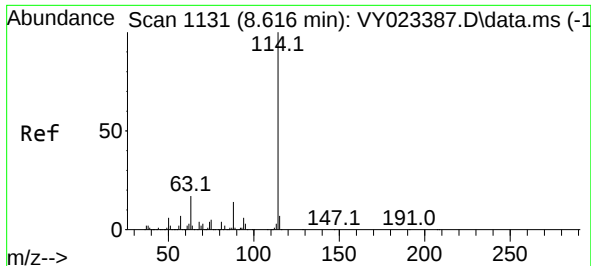
Tgt Ion: 56 Resp: 12801
Ion Ratio Lower Upper
56 100
69 186.0 30.0 45.0#
84 182.0 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 51.914 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

Tgt Ion: 65 Resp: 351989
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.8

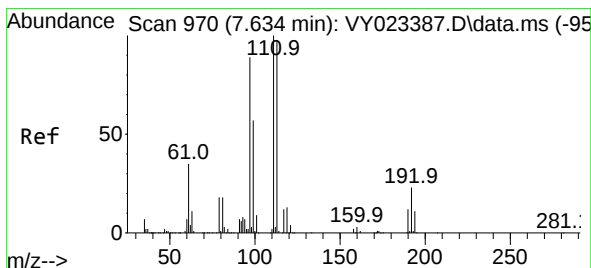
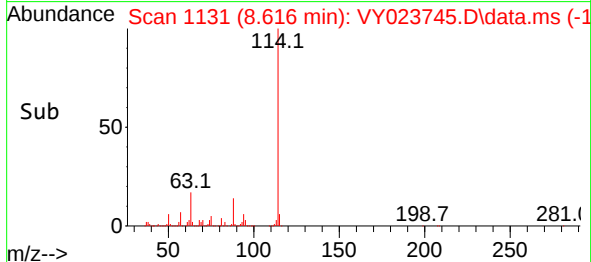
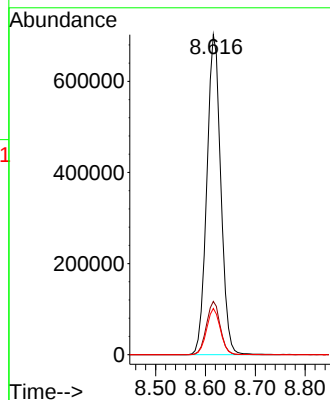
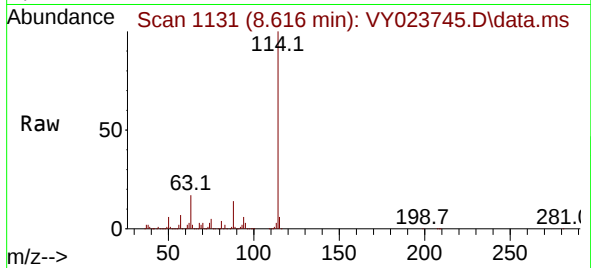




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

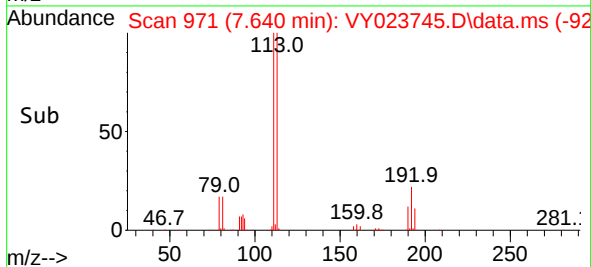
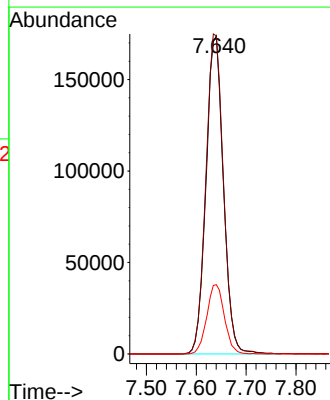
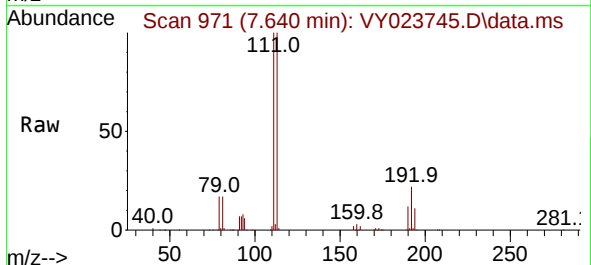
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

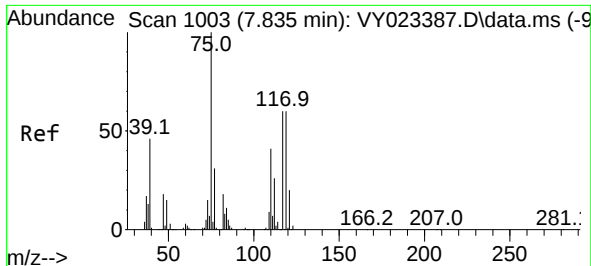
Tgt Ion:114 Resp: 1361856
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.189 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

Tgt Ion:113 Resp: 419981
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023745.D

Acq: 11 Nov 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

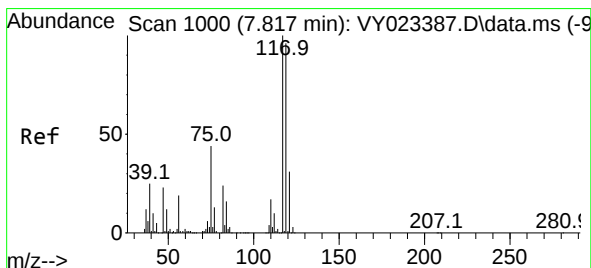
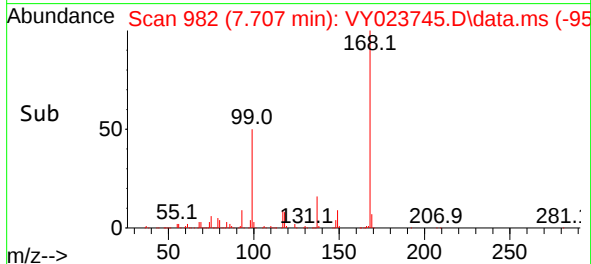
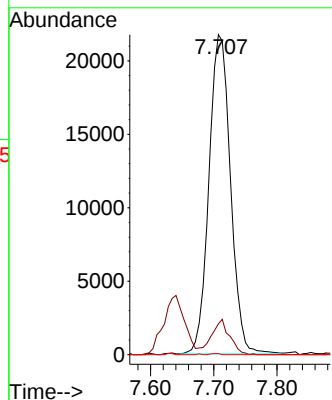
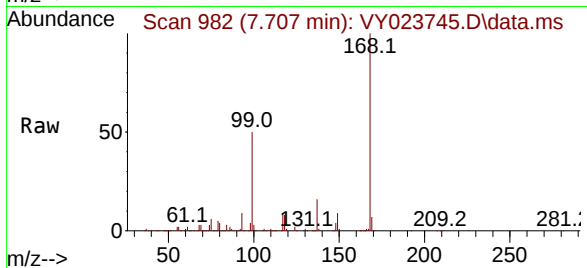
Tgt Ion: 75 Resp: 51449

Ion Ratio Lower Upper

75 100

110 9.3 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.379 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023745.D

Acq: 11 Nov 2025 17:11

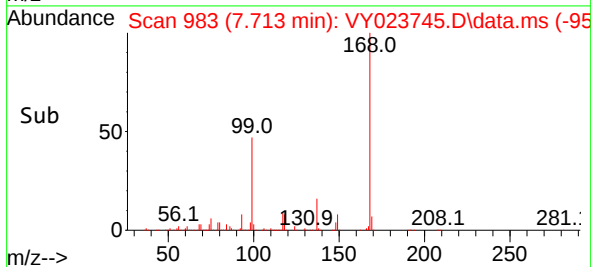
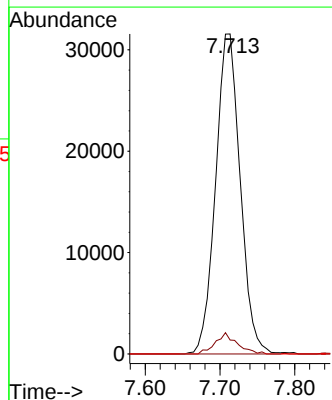
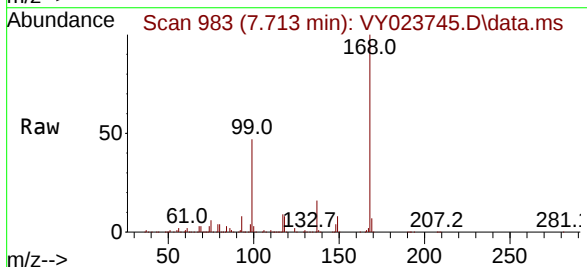
Tgt Ion: 117 Resp: 72260

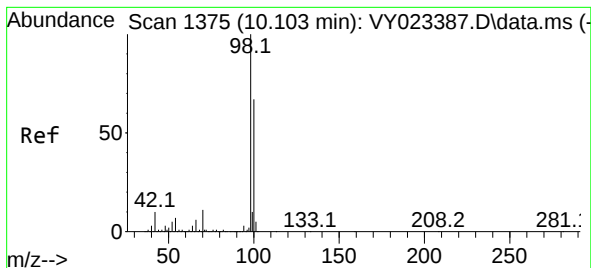
Ion Ratio Lower Upper

117 100

119 4.4 76.8 115.2#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.137 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023745.D

Acq: 11 Nov 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

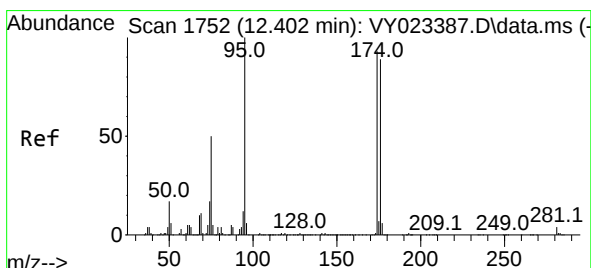
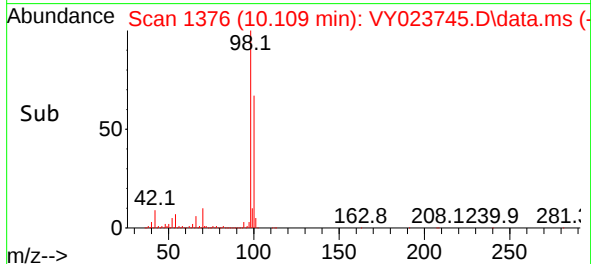
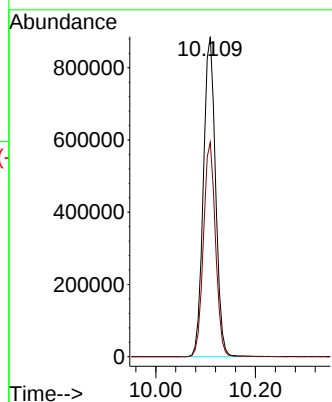
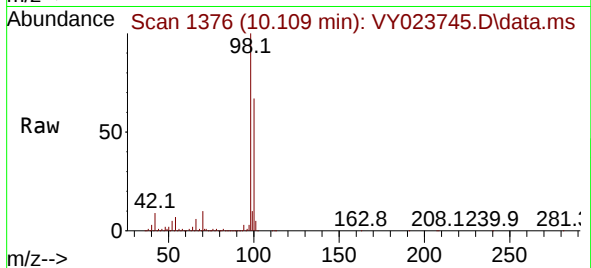
TP-2-VOC

Tgt Ion: 98 Resp: 1500096

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 42.478 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023745.D

Acq: 11 Nov 2025 17:11

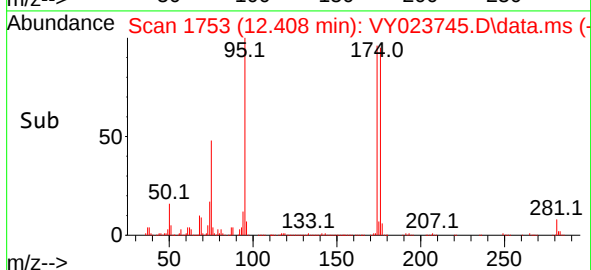
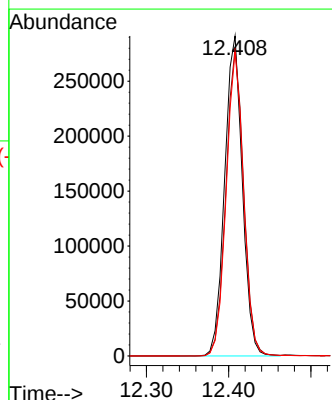
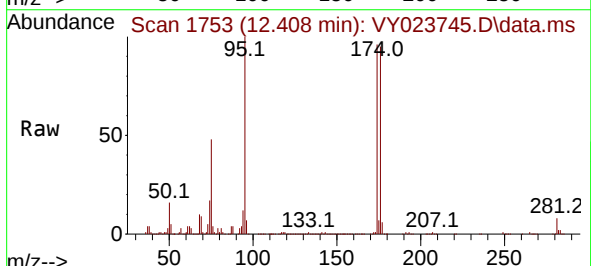
Tgt Ion: 95 Resp: 437035

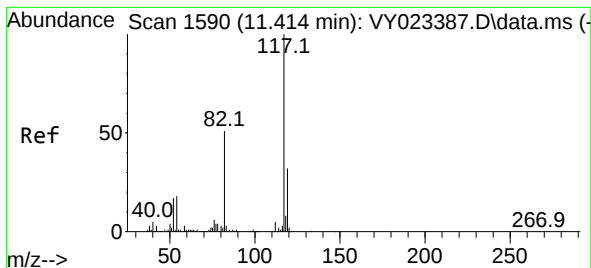
Ion Ratio Lower Upper

95 100

174 96.5 0.0 192.8

176 93.2 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023745.D

Acq: 11 Nov 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

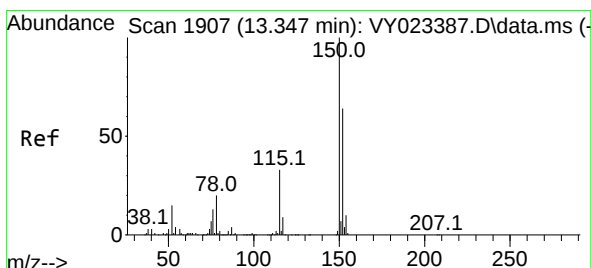
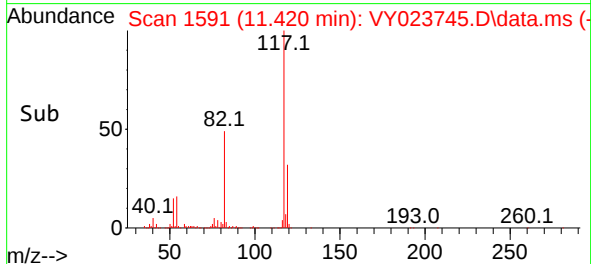
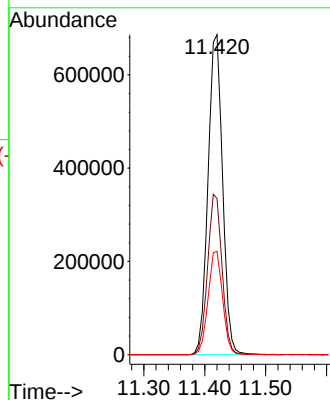
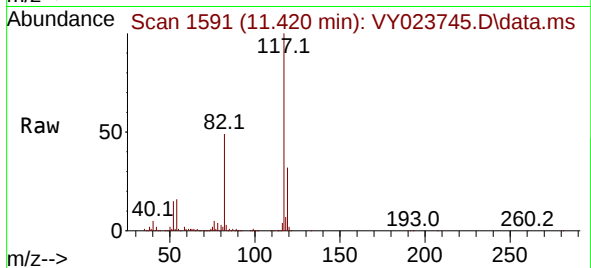
Tgt Ion:117 Resp: 1140427

Ion Ratio Lower Upper

117 100

82 48.8 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023745.D

Acq: 11 Nov 2025 17:11

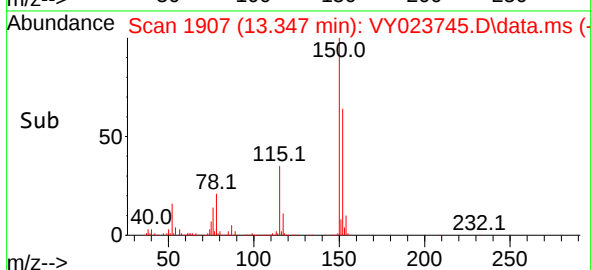
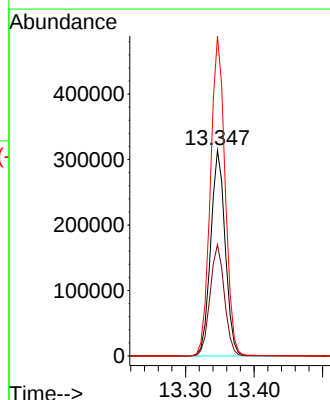
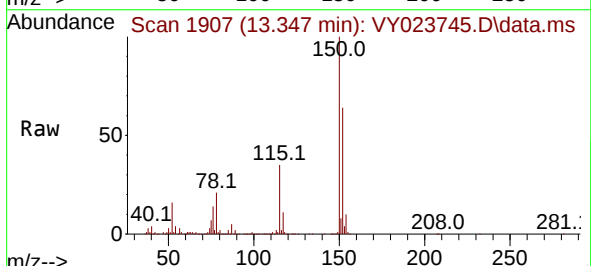
Tgt Ion:152 Resp: 462454

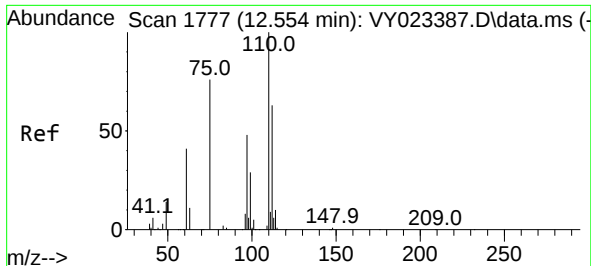
Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.8 0.0 347.4

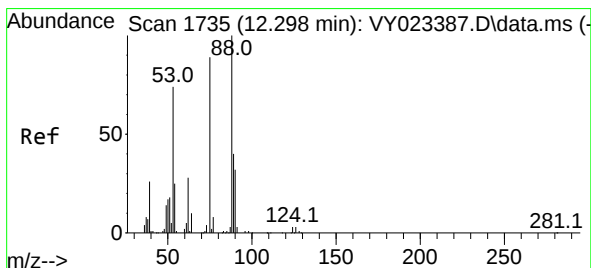
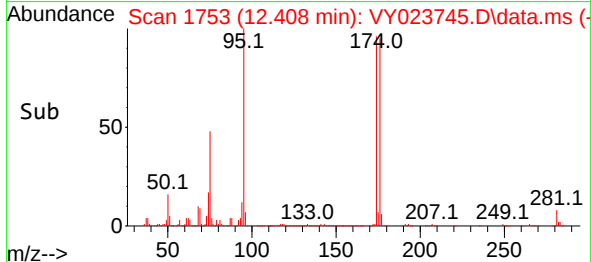
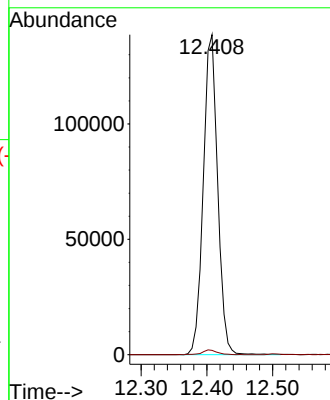
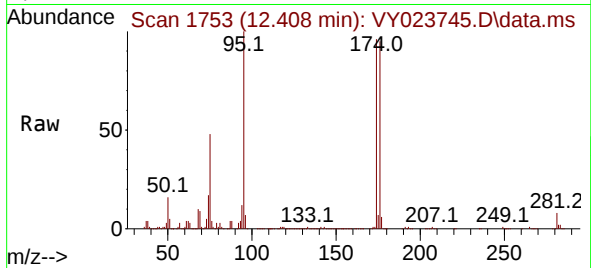




#76
1,2,3-Trichloropropane
Concen: 51.589 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

Tgt Ion: 75 Resp: 210486
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.505 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023745.D
Acq: 11 Nov 2025 17:11

Tgt Ion: 75 Resp: 210486
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#

