

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023568.D
 Acq On : 24 Oct 2025 13:17
 Operator : SY/MD
 Sample : Q3439-03
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Quant Time: Oct 24 23:50:32 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)

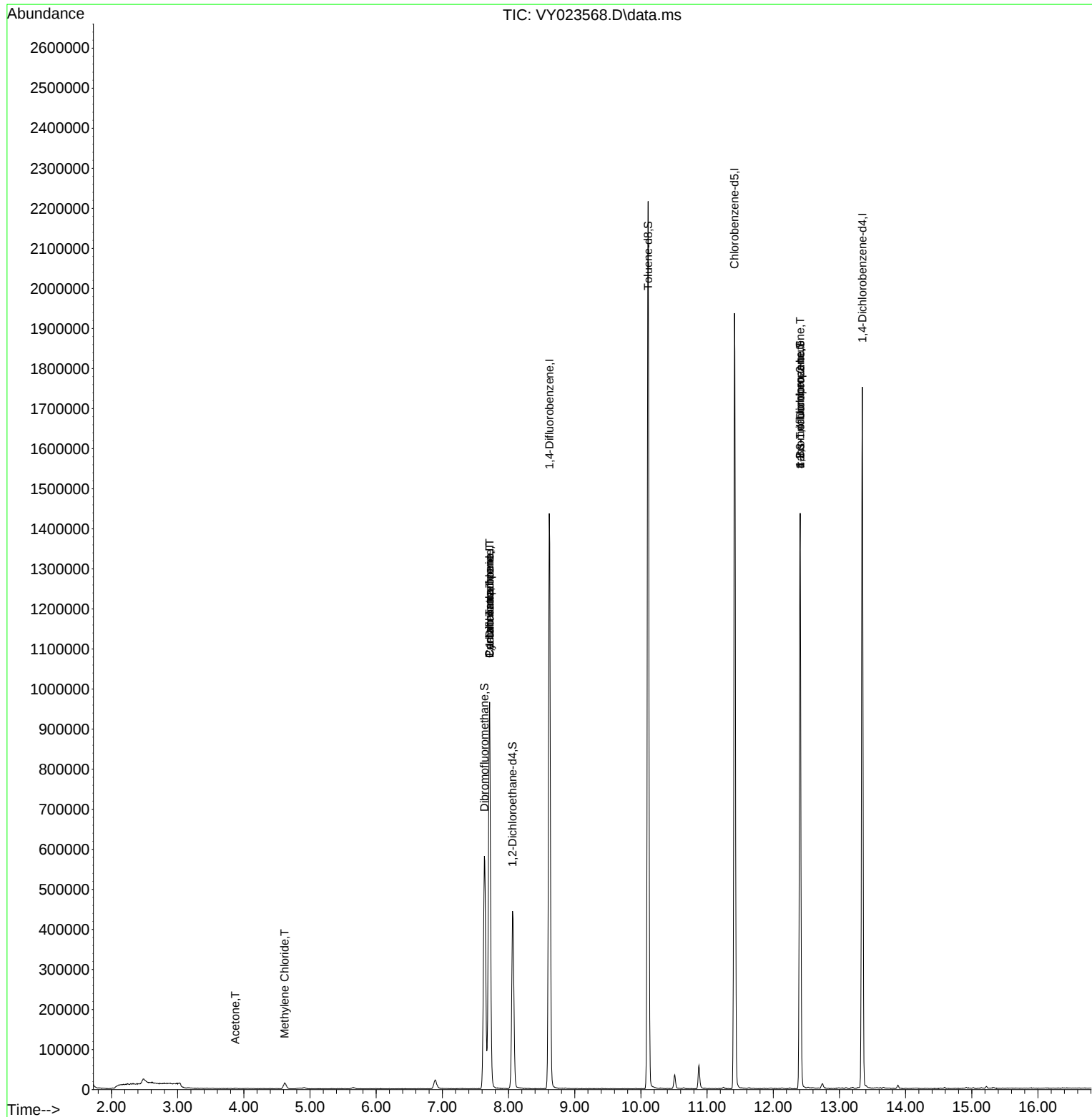
Internal Standards						
1) Pentafluorobenzene	7.713	168	826591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1341890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1125144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	472983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	339744	49.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.300%		
35) Dibromofluoromethane	7.634	113	419565	50.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.780%		
50) Toluene-d8	10.109	98	1485661	48.383	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.760%		
62) 4-Bromofluorobenzene	12.408	95	427014	42.122	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.240%		
Target Compounds						Qvalue
16) Acetone	3.873	43	1769	1.075	ug/l #	57
20) Methylene Chloride	4.616	84	11097	1.247	ug/l	89
31) Cyclohexane	7.713	56	12269	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	51739	4.740	ug/l #	48
38) Carbon Tetrachloride	7.713	117	73270	5.536	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	204160	48.924	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	204160	119.972	ug/l #	15

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

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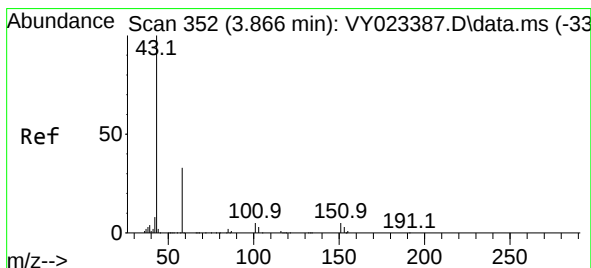
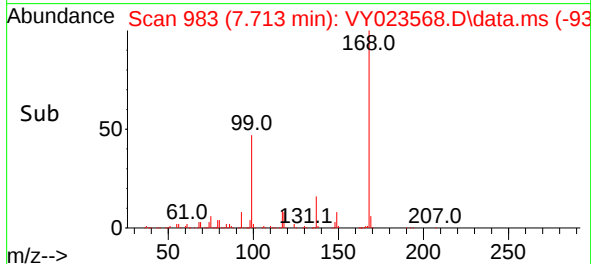
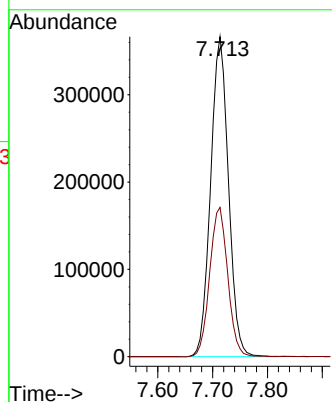
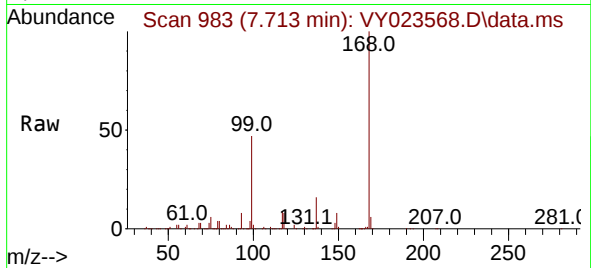




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

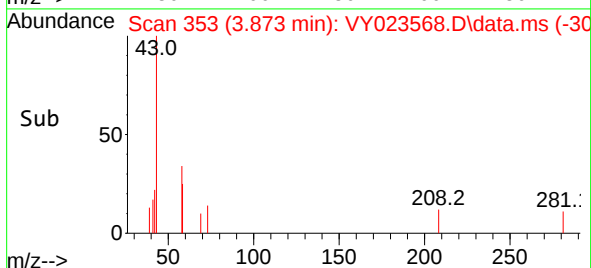
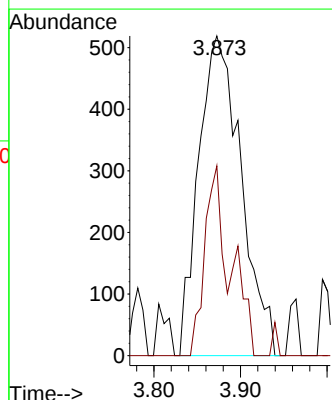
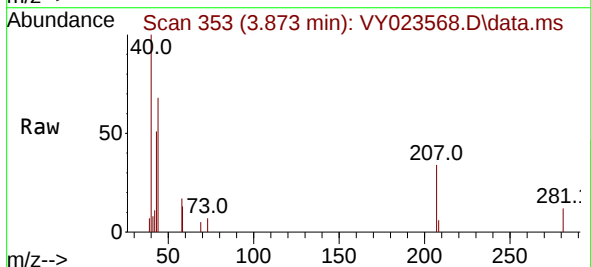
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

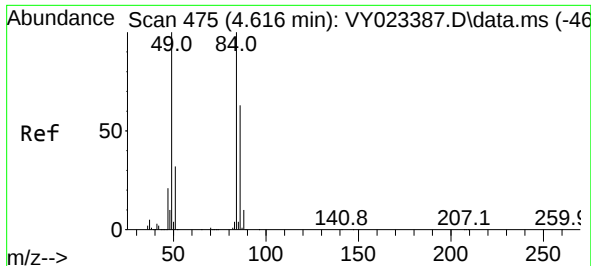
Tgt Ion:168 Resp: 826591
Ion Ratio Lower Upper
168 100
99 46.6 39.7 59.5



#16
Acetone
Concen: 1.075 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
58 59.3 27.7 41.5#

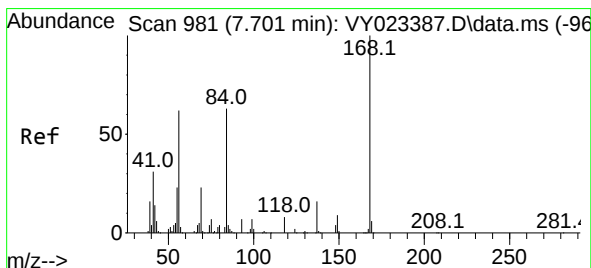
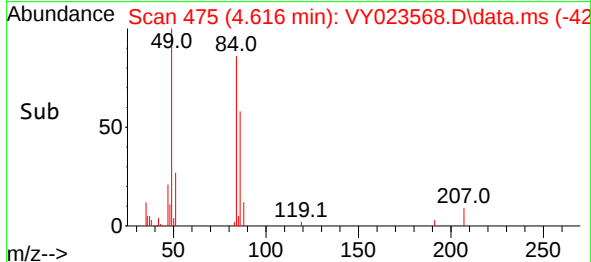
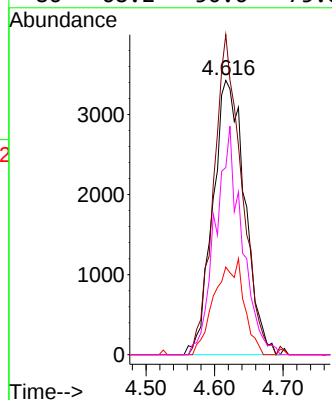
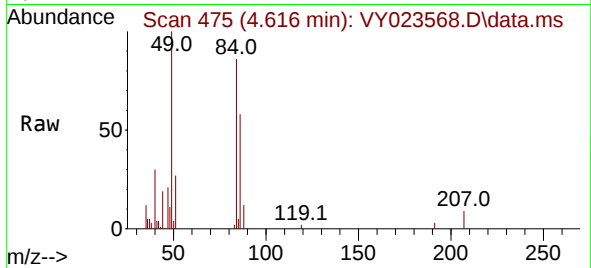




#20
Methylene Chloride
Concen: 1.247 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

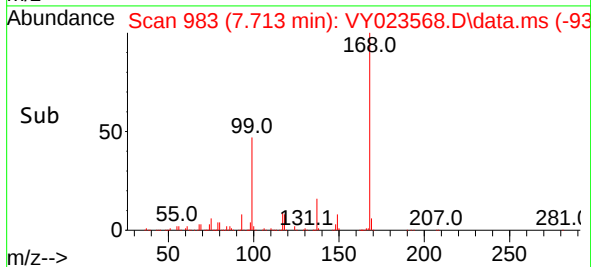
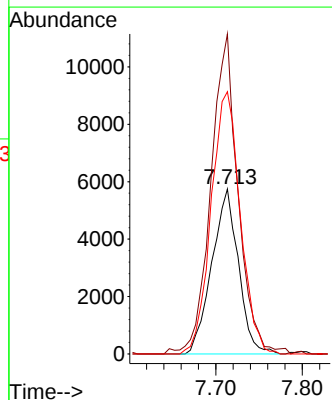
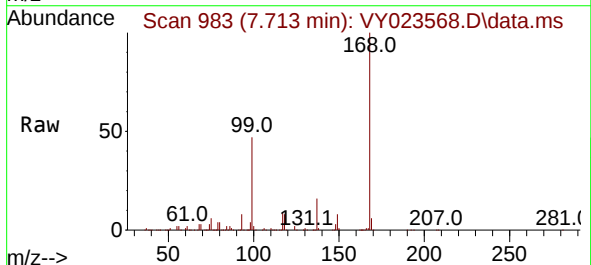
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

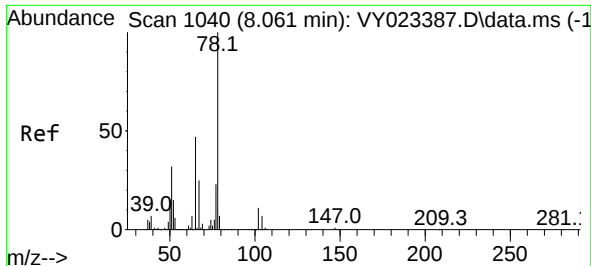
Tgt Ion:	84	Resp:	11097
Ion	Ratio	Lower	Upper
84	100		
49	116.7	80.2	120.4
51	31.9	25.9	38.9
86	68.2	50.6	75.8



#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion:	56	Resp:	12269
Ion	Ratio	Lower	Upper
56	100		
69	191.5	30.0	45.0#
84	159.0	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 49.152 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023568.D

Acq: 24 Oct 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

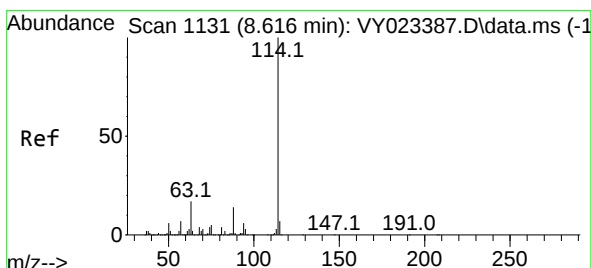
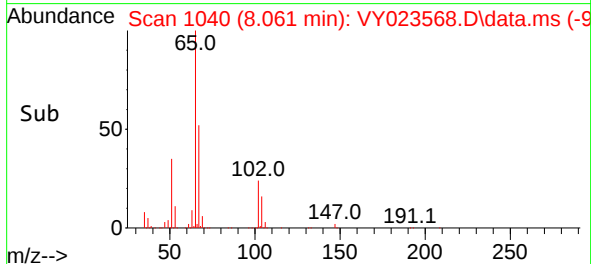
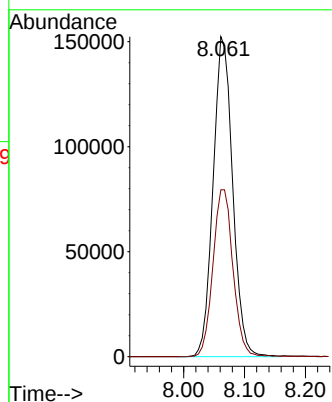
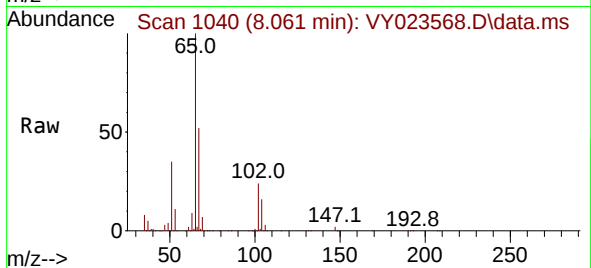
TP-9-VOC

Tgt Ion: 65 Resp: 339744

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023568.D

Acq: 24 Oct 2025 13:17

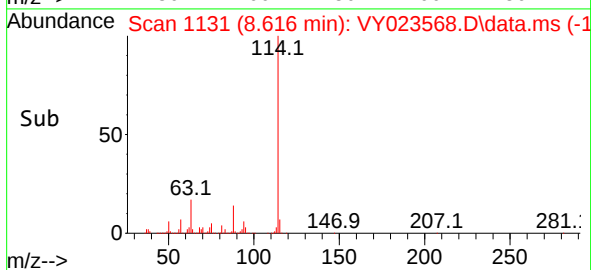
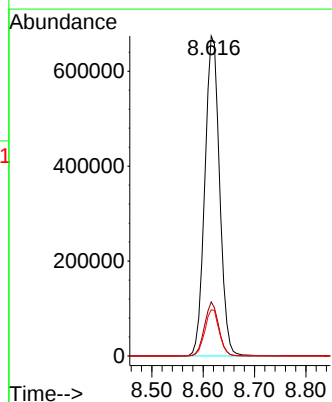
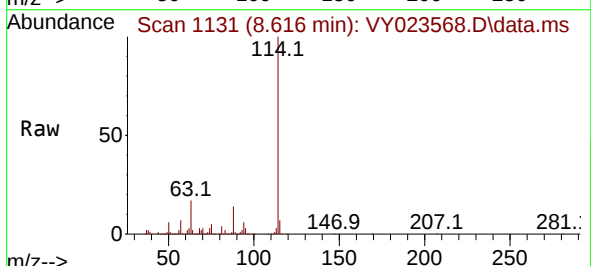
Tgt Ion:114 Resp: 1341890

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.5 0.0 28.4

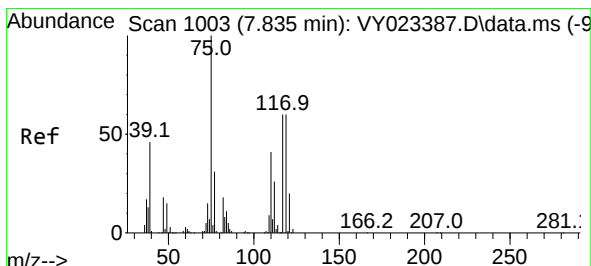
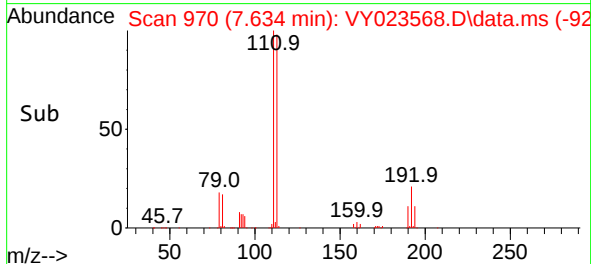
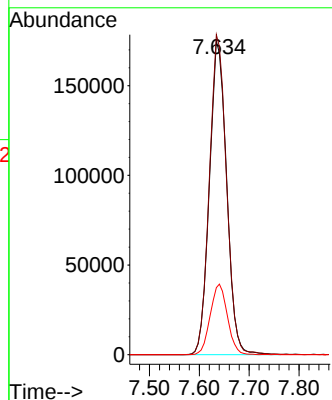
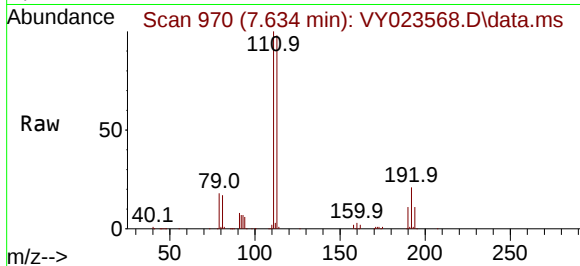




#35
Dibromofluoromethane
Concen: 50.885 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

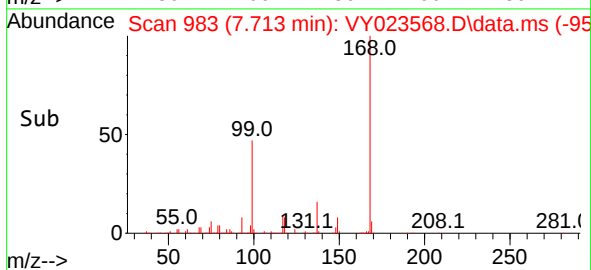
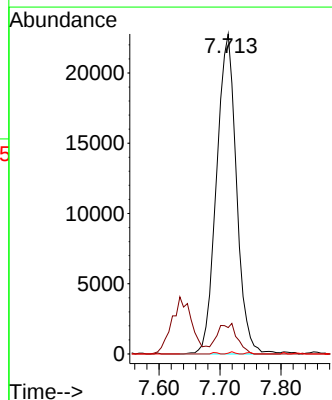
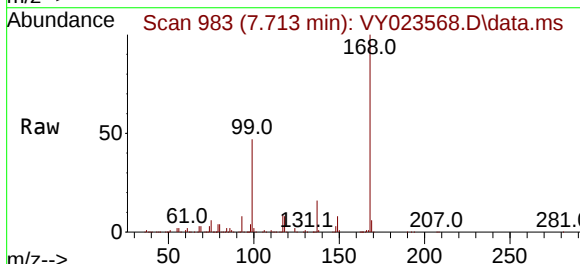
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

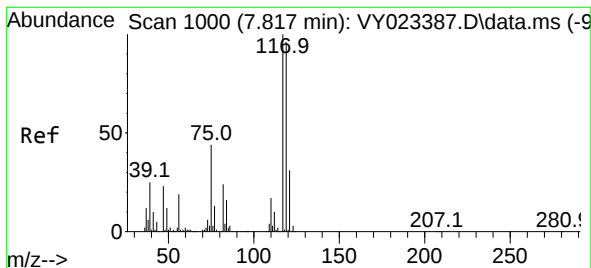
Tgt Ion:113 Resp: 419565
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion: 75 Resp: 51739
Ion Ratio Lower Upper
75 100
110 9.5 19.9 59.7#
77 0.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY023568.D

Acq: 24 Oct 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC

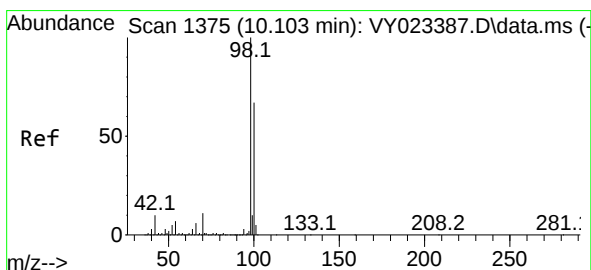
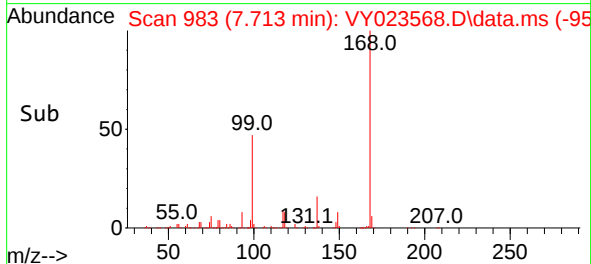
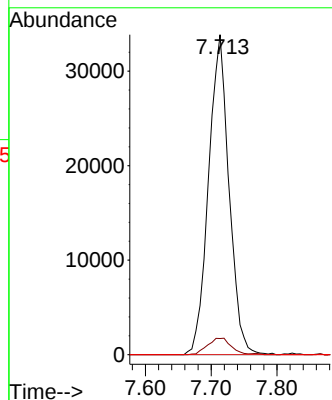
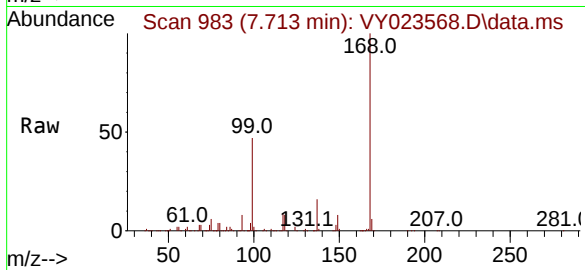
Tgt Ion:117 Resp: 73270

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 48.383 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023568.D

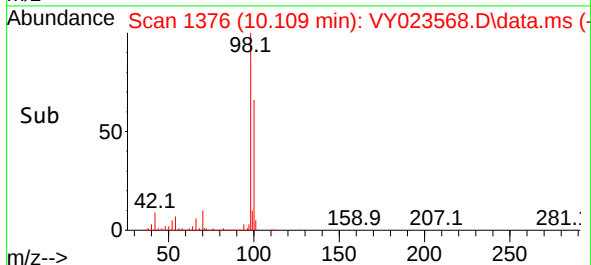
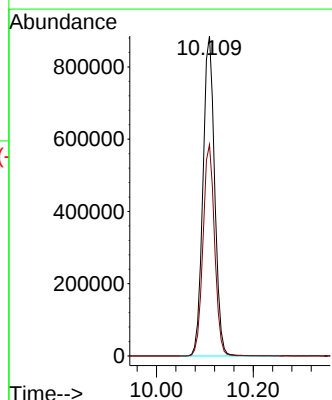
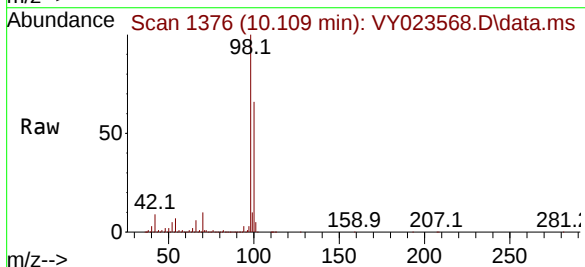
Acq: 24 Oct 2025 13:17

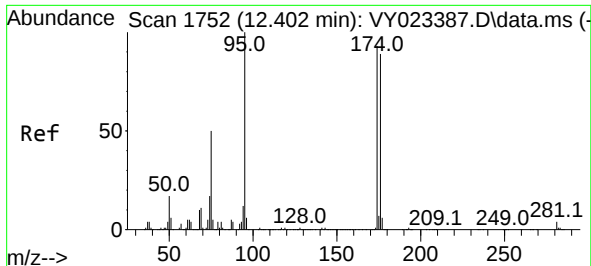
Tgt Ion: 98 Resp: 1485661

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4

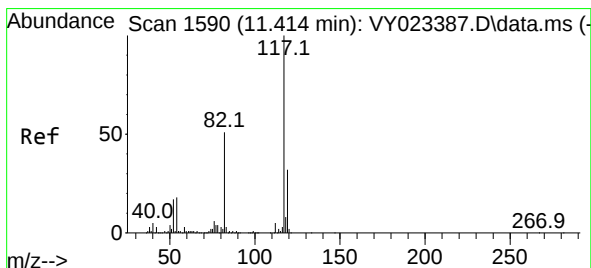
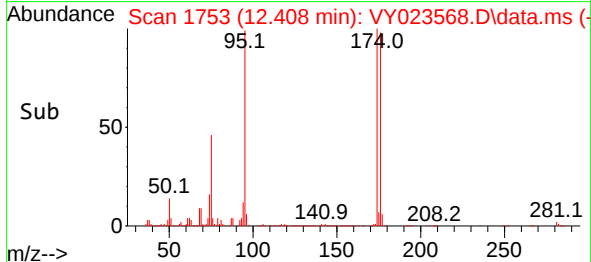
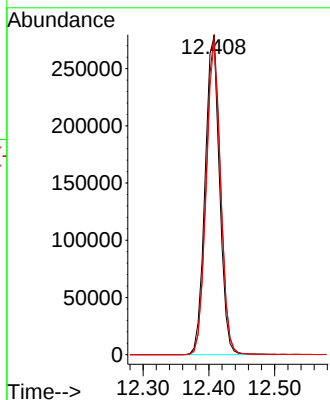
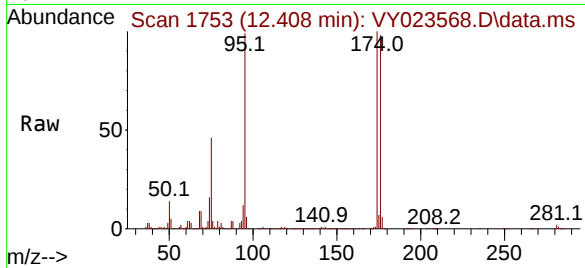




#62
4-Bromofluorobenzene
Concen: 42.122 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

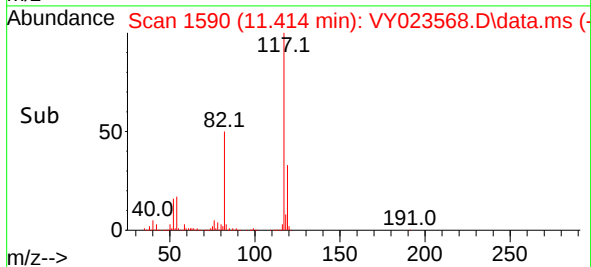
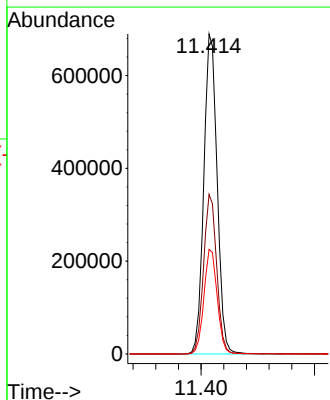
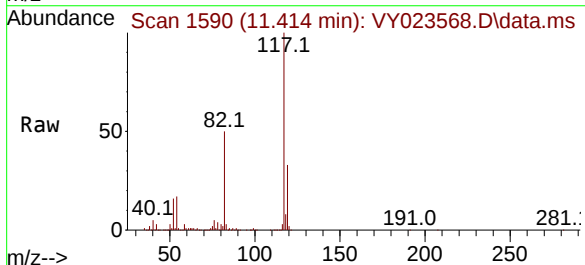
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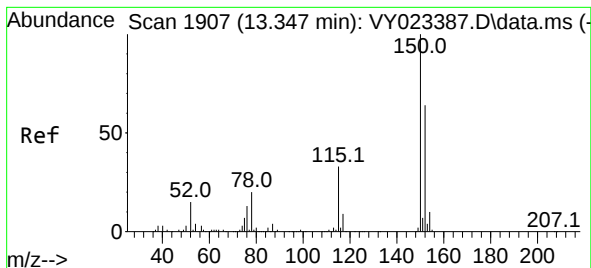
Tgt Ion: 95 Resp: 427014
Ion Ratio Lower Upper
95 100
174 100.4 0.0 192.8
176 96.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion: 117 Resp: 1125144
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.4
119 32.7 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: VY023568.D

Acq: 24 Oct 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC

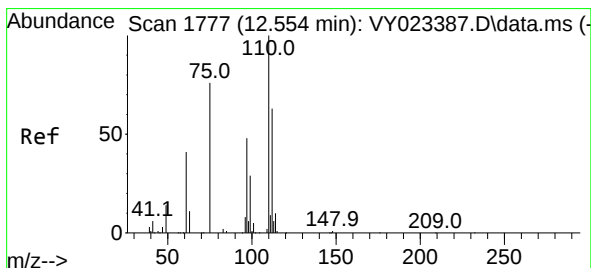
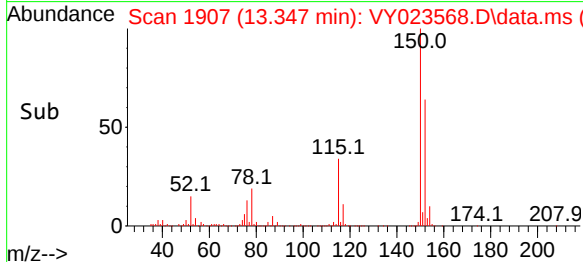
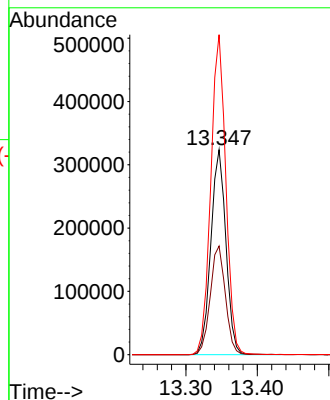
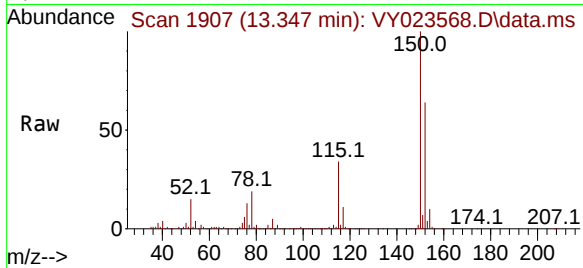
Tgt Ion:152 Resp: 472983

Ion Ratio Lower Upper

152 100

115 53.6 27.1 81.2

150 156.1 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 48.924 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023568.D

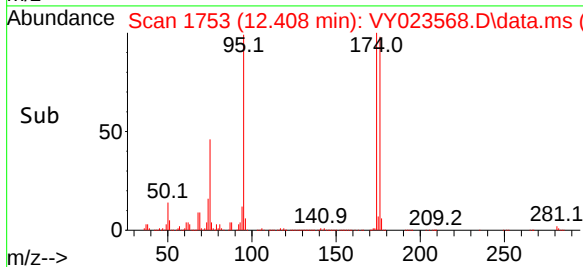
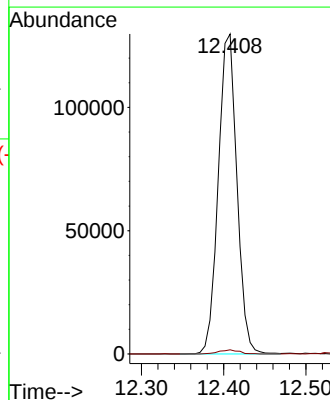
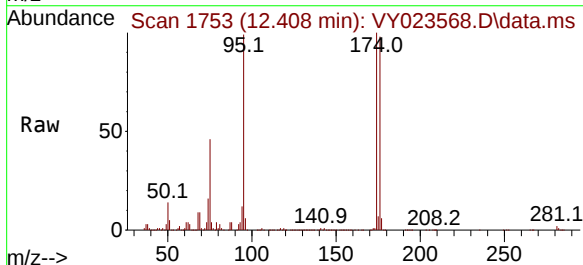
Acq: 24 Oct 2025 13:17

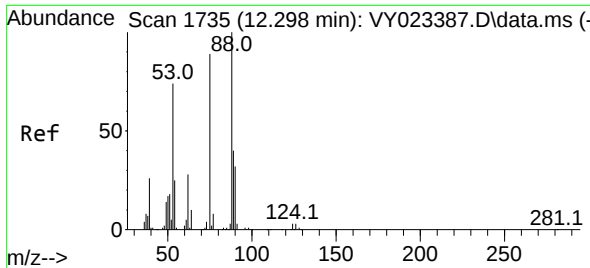
Tgt Ion: 75 Resp: 204160

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.972 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023568.D
 Acq: 24 Oct 2025 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Tgt Ion: 75 Resp: 204160
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

