

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023746.D
 Acq On : 11 Nov 2025 17:35
 Operator : SY/MD
 Sample : Q3601-11
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3-VOC

Quant Time: Nov 12 03:40:05 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	852177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1395862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1195683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	494293	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	370160	51.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.880%
35) Dibromofluoromethane	7.634	113	438146	51.084	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.160%
50) Toluene-d8	10.109	98	1565135	49.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.000%
62) 4-Bromofluorobenzene	12.408	95	465675	44.159	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.320%

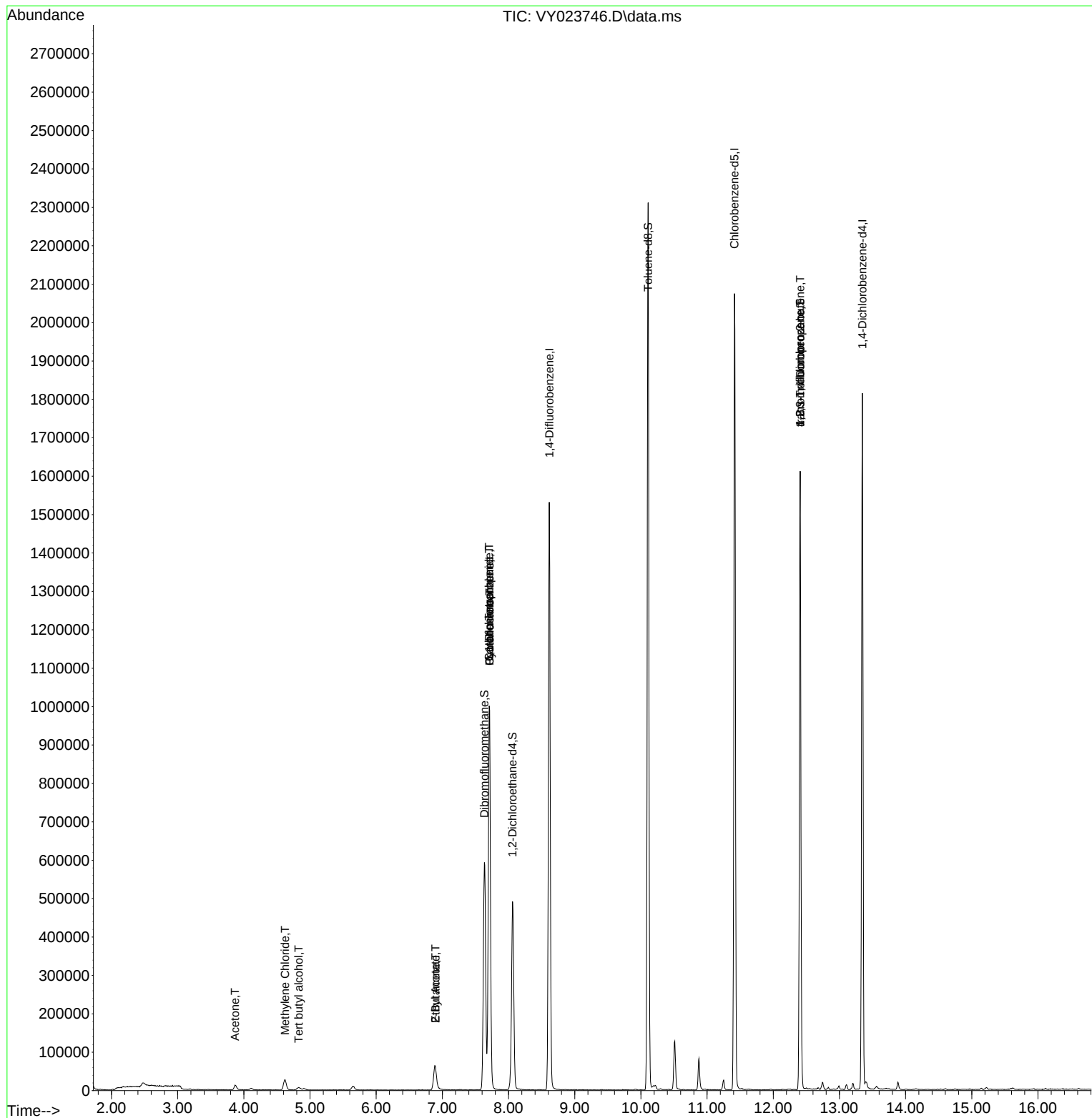
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.830	59	6269	11.825	ug/l #	74
16) Acetone	3.867	43	20435	12.046	ug/l	91
20) Methylene Chloride	4.622	84	22219	2.422	ug/l	94
25) 2-Butanone	6.896	43	6704	3.237	ug/l #	85
31) Cyclohexane	7.713	56	13413	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	55491	4.887	ug/l #	48
37) Ethyl Acetate	6.896	43	6704	1.490	ug/l #	38
38) Carbon Tetrachloride	7.707	117	76768	5.576	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	224457	51.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	224457	126.213	ug/l #	15

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

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

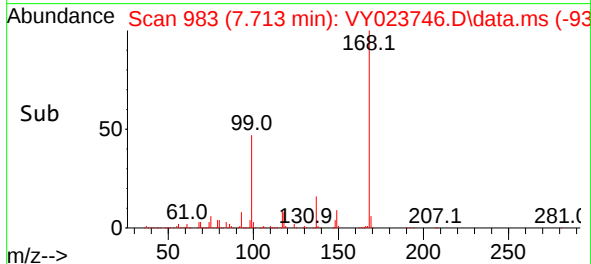
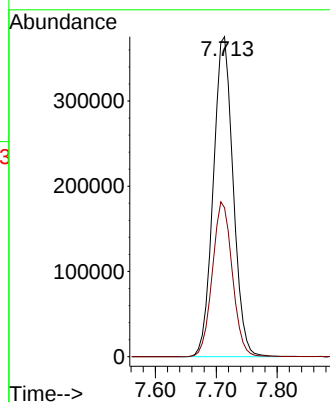
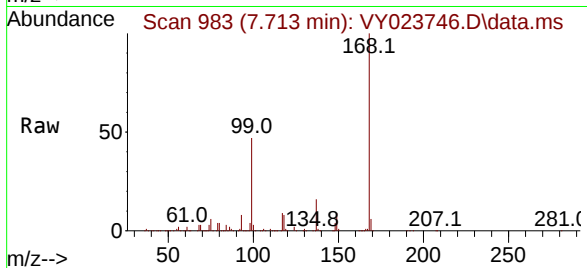




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

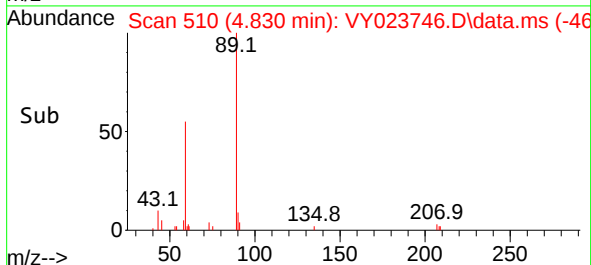
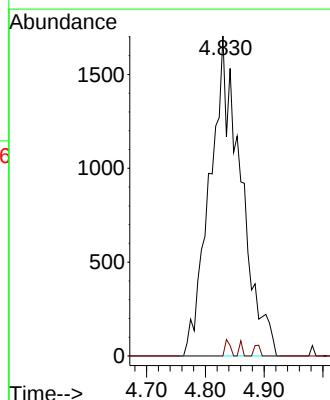
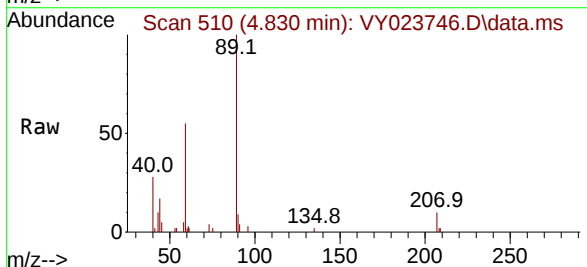
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

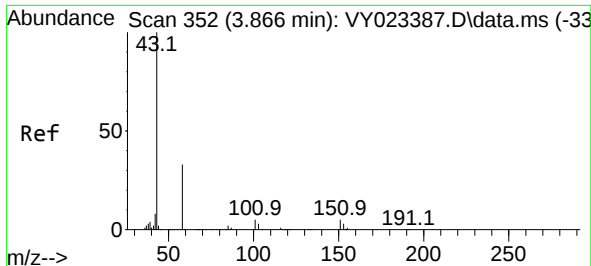
Tgt Ion:168 Resp: 852177
Ion Ratio Lower Upper
168 100
99 46.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 11.825 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion: 59 Resp: 6269
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#

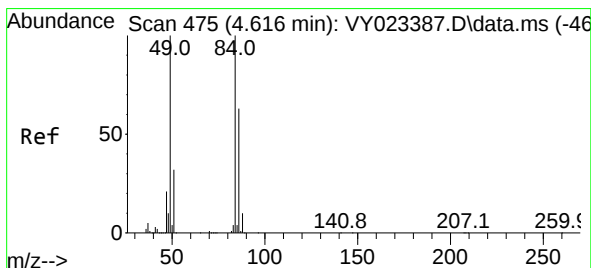
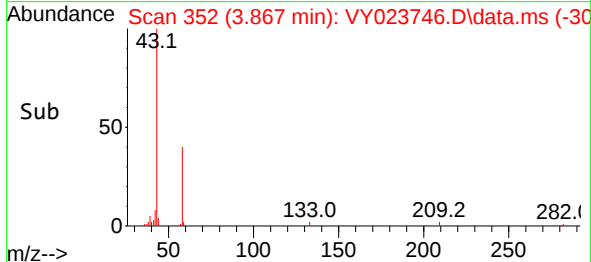
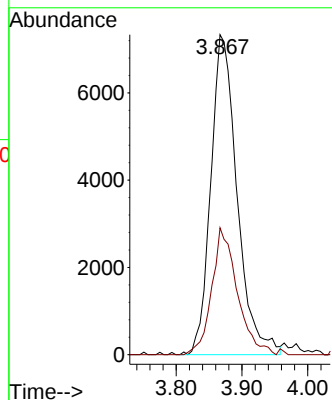
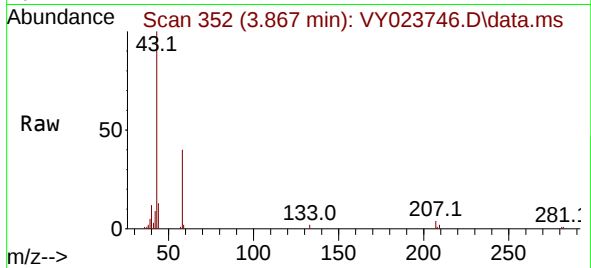




#16
Acetone
Concen: 12.046 ug/l
RT: 3.867 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

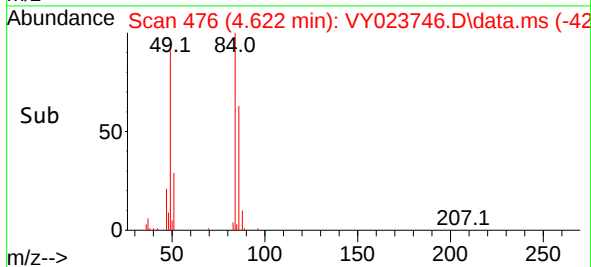
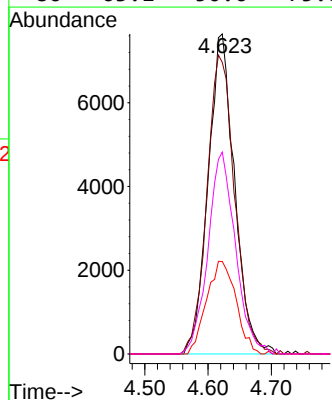
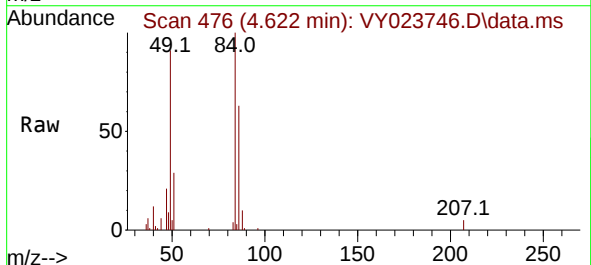
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

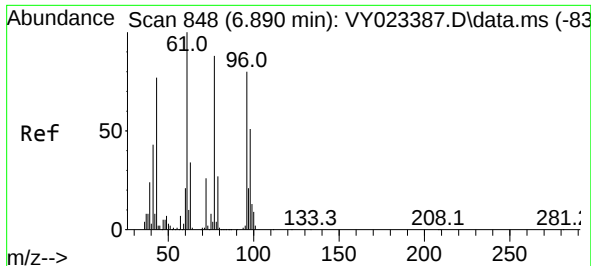
Tgt Ion: 43 Resp: 20435
Ion Ratio Lower Upper
43 100
58 39.7 27.7 41.5



#20
Methylene Chloride
Concen: 2.422 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion: 84 Resp: 22219
Ion Ratio Lower Upper
84 100
49 91.1 80.2 120.4
51 28.9 25.9 38.9
86 63.1 50.6 75.8

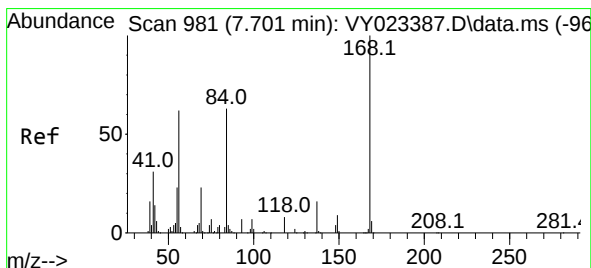
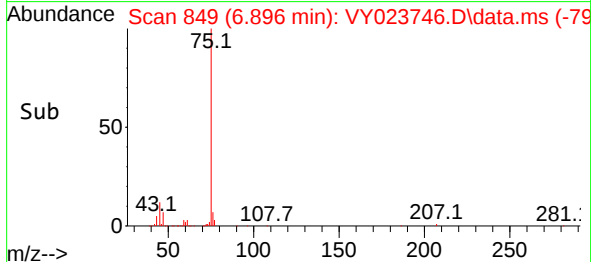
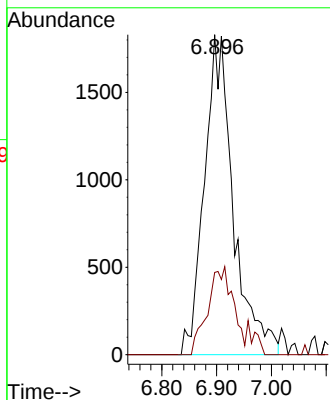
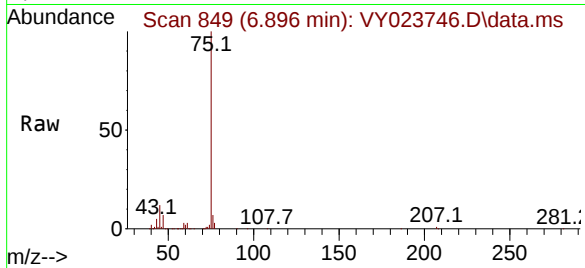




#25
2-Butanone
Concen: 3.237 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

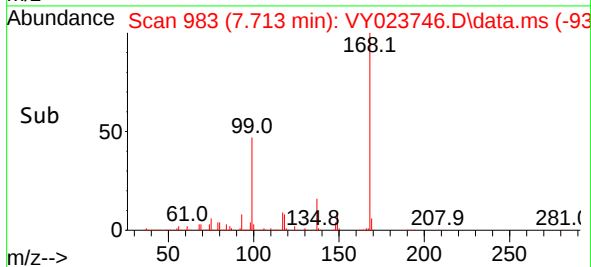
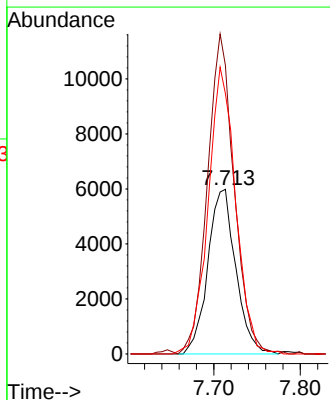
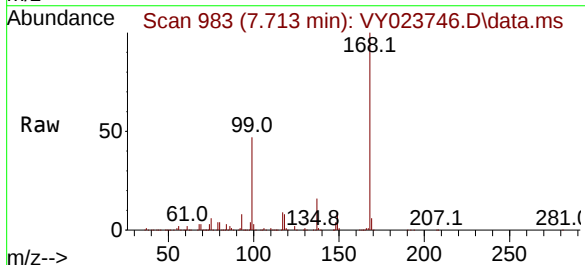
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

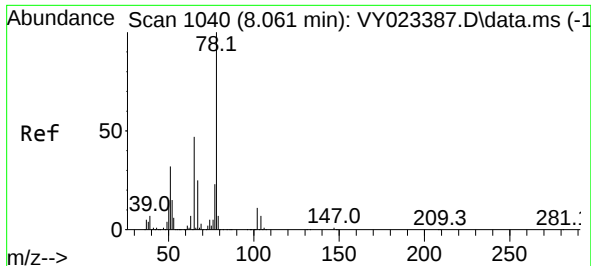
Tgt Ion: 43 Resp: 6704
Ion Ratio Lower Upper
43 100
72 25.7 27.4 41.2#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion: 56 Resp: 13413
Ion Ratio Lower Upper
56 100
69 175.4 30.0 45.0#
84 156.6 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 51.945 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023746.D

Acq: 11 Nov 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

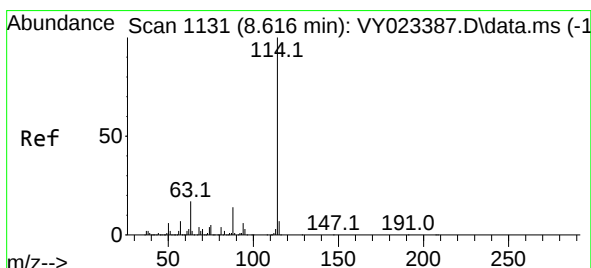
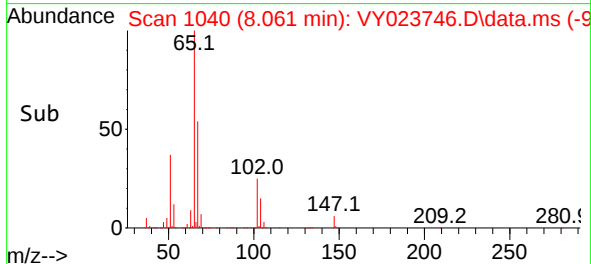
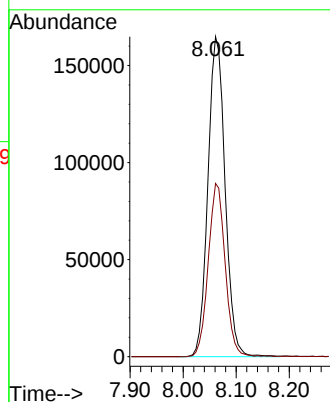
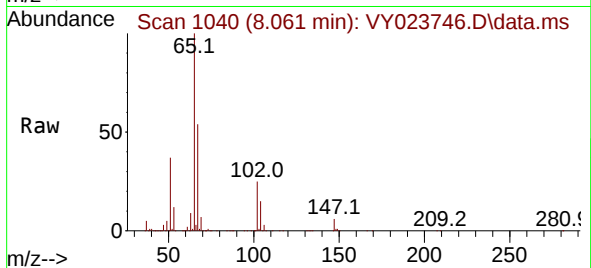
TP-3-VOC

Tgt Ion: 65 Resp: 370160

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: VY023746.D

Acq: 11 Nov 2025 17:35

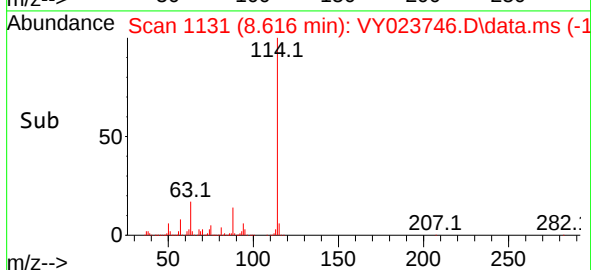
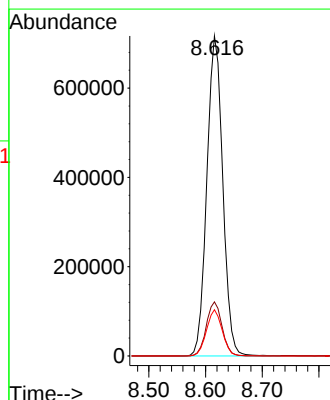
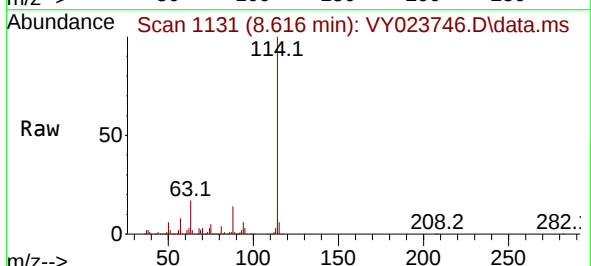
Tgt Ion:114 Resp: 1395862

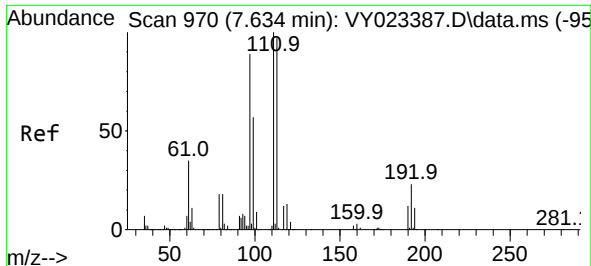
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.5 0.0 28.4

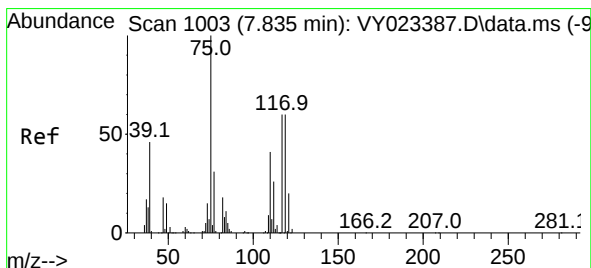
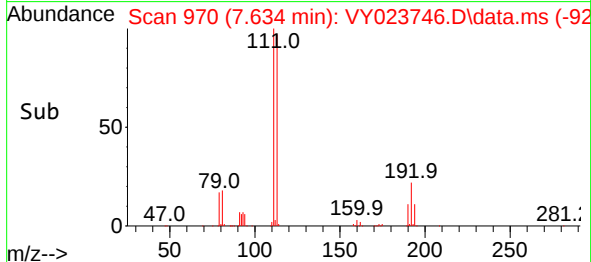
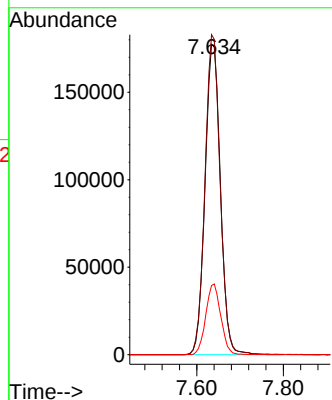
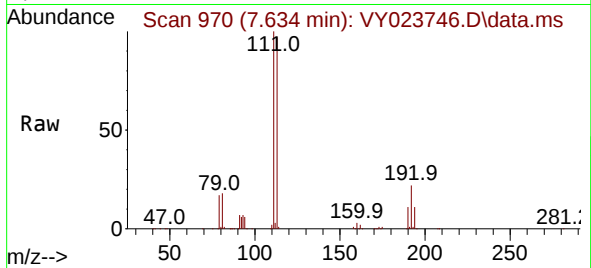




#35
Dibromofluoromethane
Concen: 51.084 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

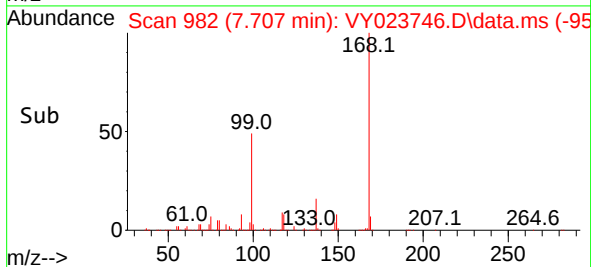
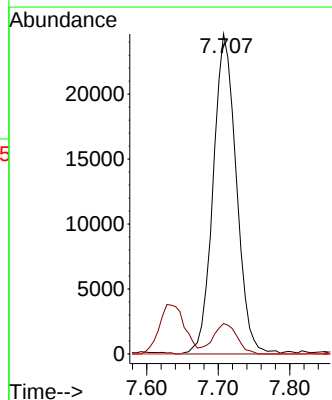
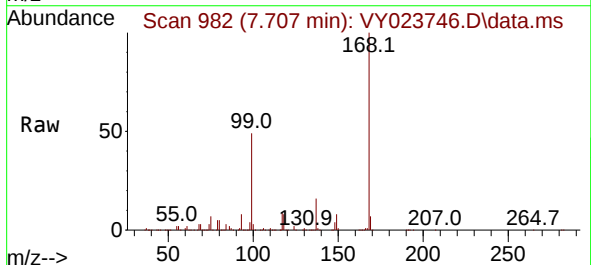
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

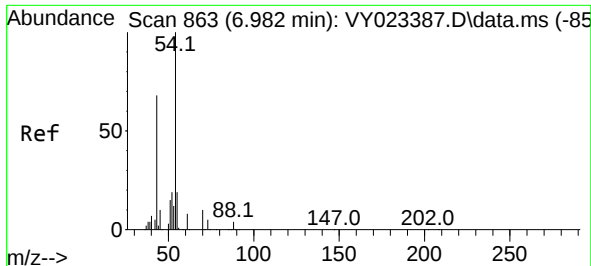
Tgt Ion:113 Resp: 438146
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion: 75 Resp: 55491
Ion Ratio Lower Upper
75 100
110 9.6 19.9 59.7#
77 0.0 25.0 37.6#





#37

Ethyl Acetate

Concen: 1.490 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY023746.D

Acq: 11 Nov 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-3-VOC

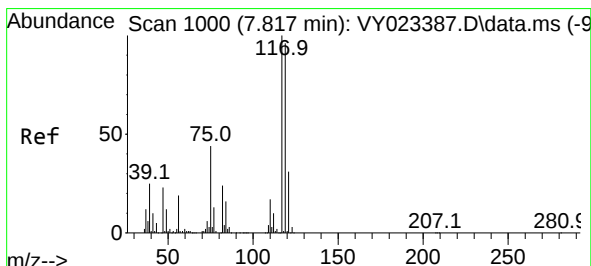
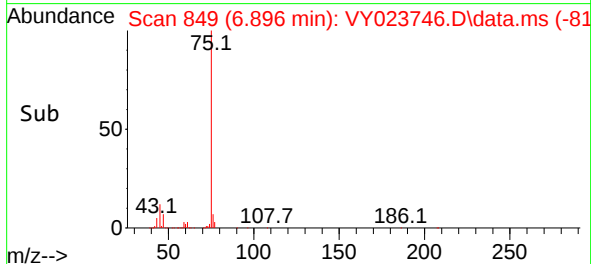
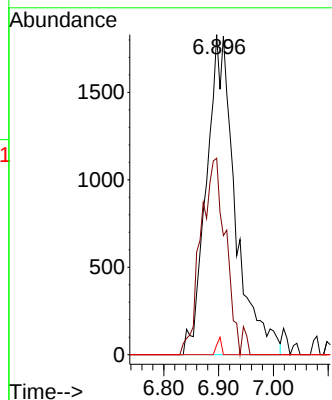
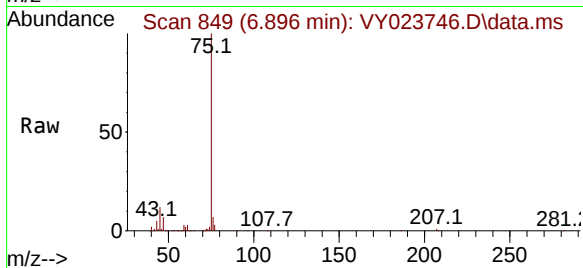
Tgt Ion: 43 Resp: 6704

Ion Ratio Lower Upper

43 100

61 52.2 11.8 17.8#

70 0.9 10.5 15.7#



#38

Carbon Tetrachloride

Concen: 5.576 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023746.D

Acq: 11 Nov 2025 17:35

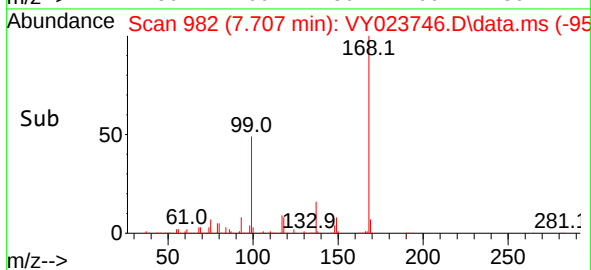
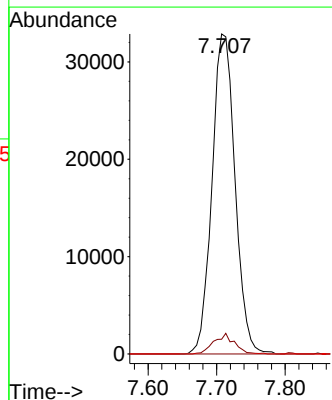
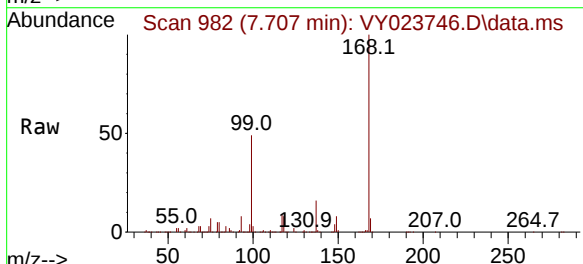
Tgt Ion: 117 Resp: 76768

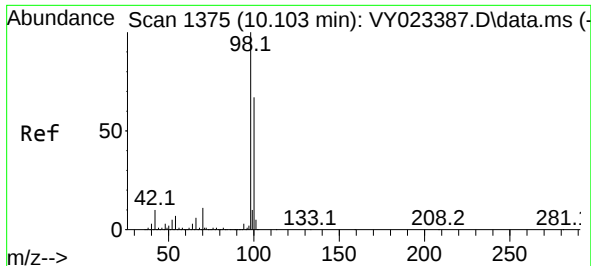
Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

121 0.0 24.5 36.7#

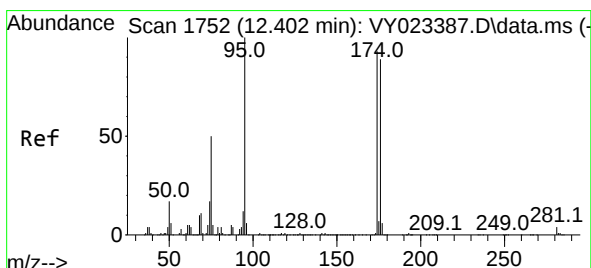
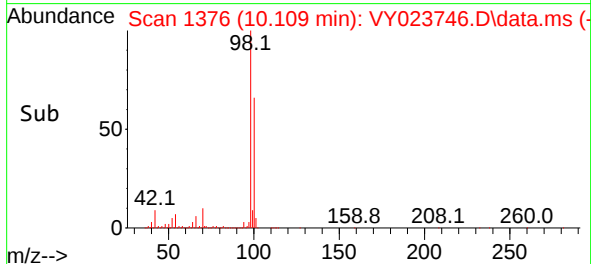
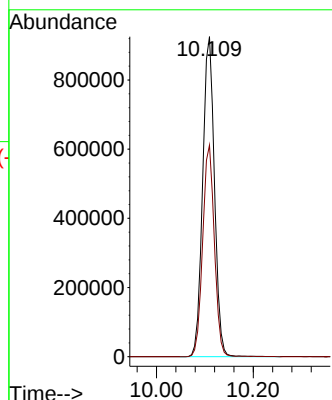
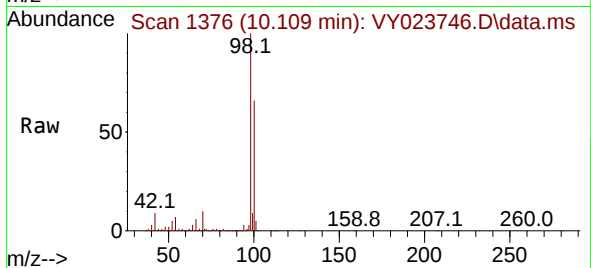




#50
Toluene-d8
Concen: 49.000 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

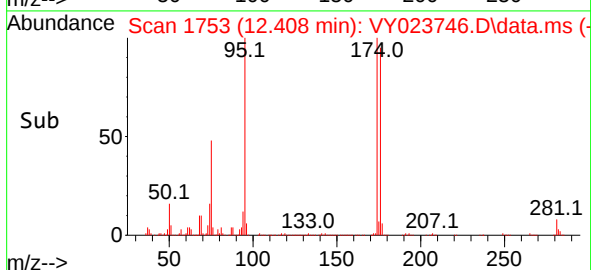
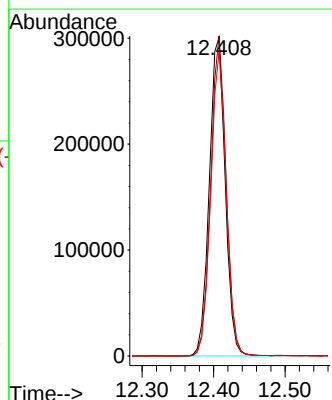
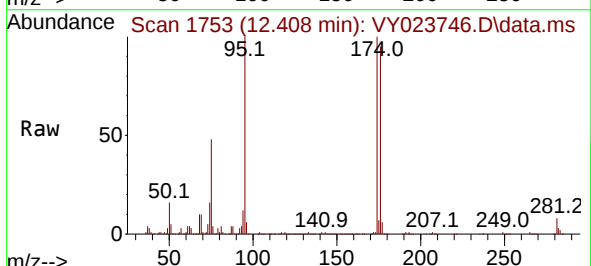
Instrument :
MSVOA_Y
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TP-3-VOC

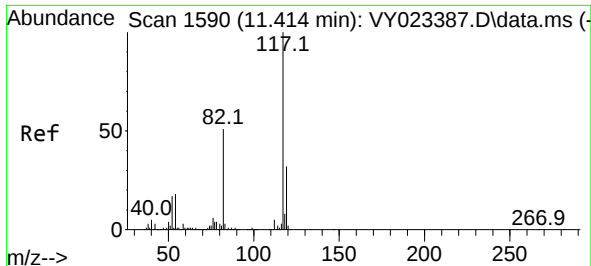
Tgt Ion: 98 Resp: 1565135
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.159 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion: 95 Resp: 465675
Ion Ratio Lower Upper
95 100
174 97.3 0.0 192.8
176 92.6 0.0 187.6

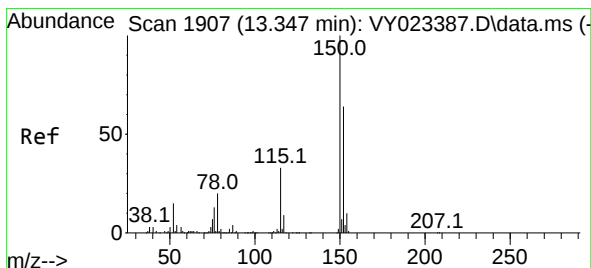
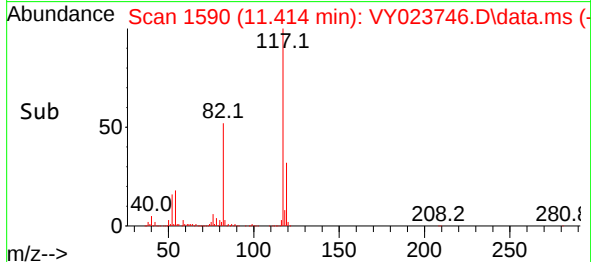
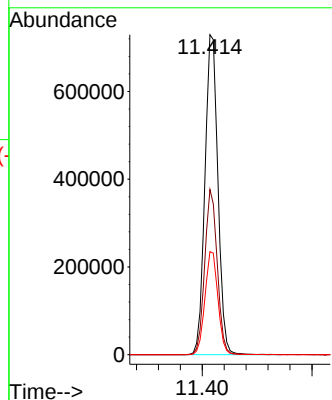
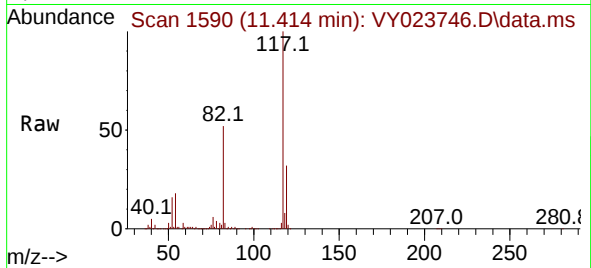




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1195683
Delta R.T. 0.000 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

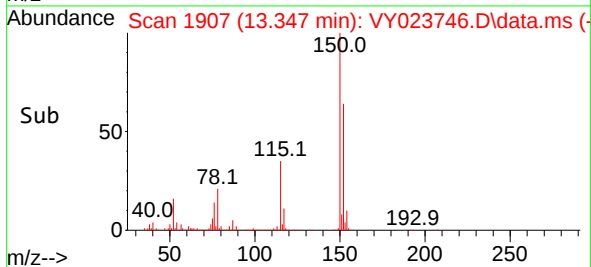
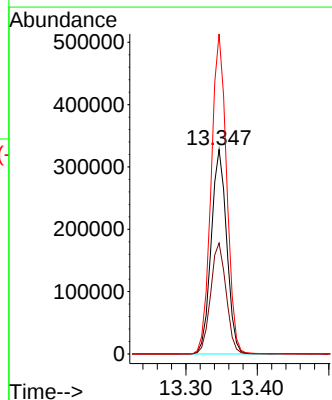
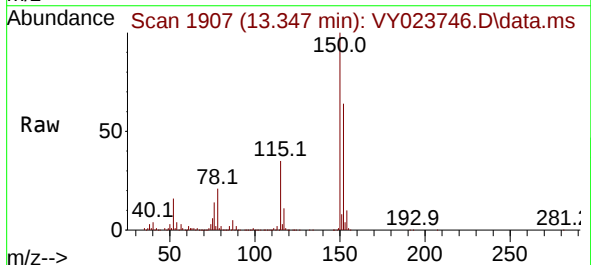
Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

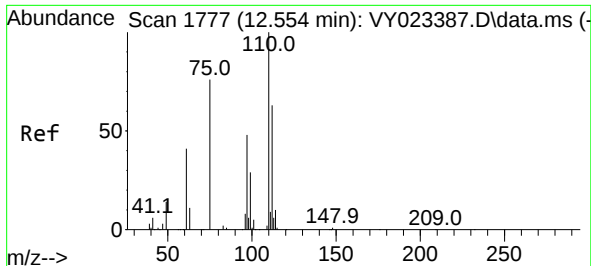
Tgt Ion:117 Resp: 1195683
Ion Ratio Lower Upper
117 100
82 51.6 41.0 61.4
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion:152 Resp: 494293
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.2
150 156.3 0.0 347.4

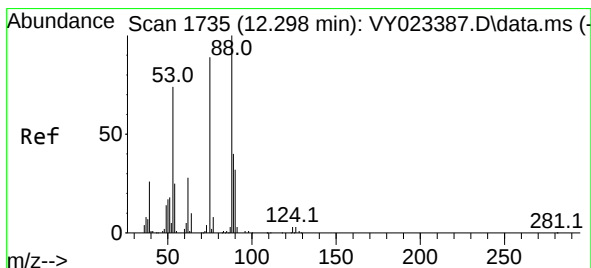
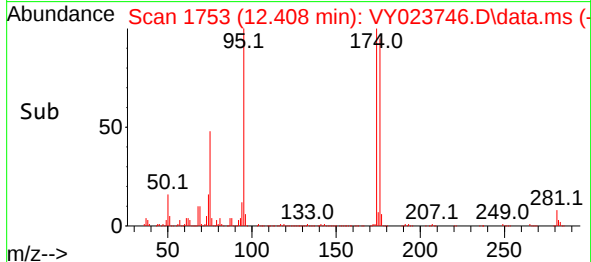
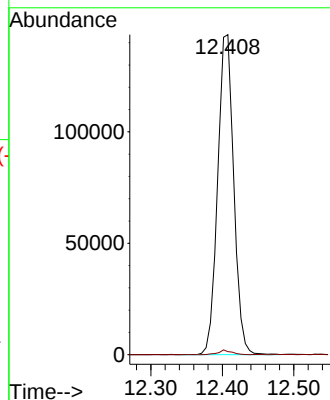
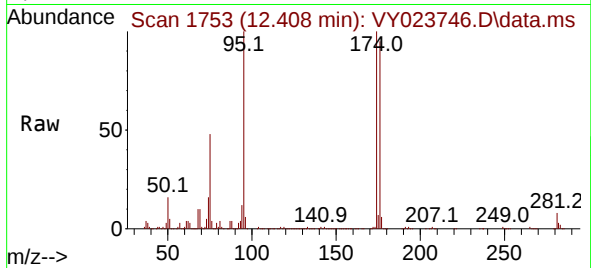




#76
1,2,3-Trichloropropane
Concen: 51.469 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-3-VOC

Tgt Ion: 75 Resp: 224457
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.213 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023746.D
Acq: 11 Nov 2025 17:35

Tgt Ion: 75 Resp: 224457
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.1 39.0 58.4#

