

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022950.D
 Acq On : 07 Jul 2025 11:18
 Operator : SY/MD
 Sample : Q2507-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-7.3-2025-VOC

Quant Time: Jul 08 01:44:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

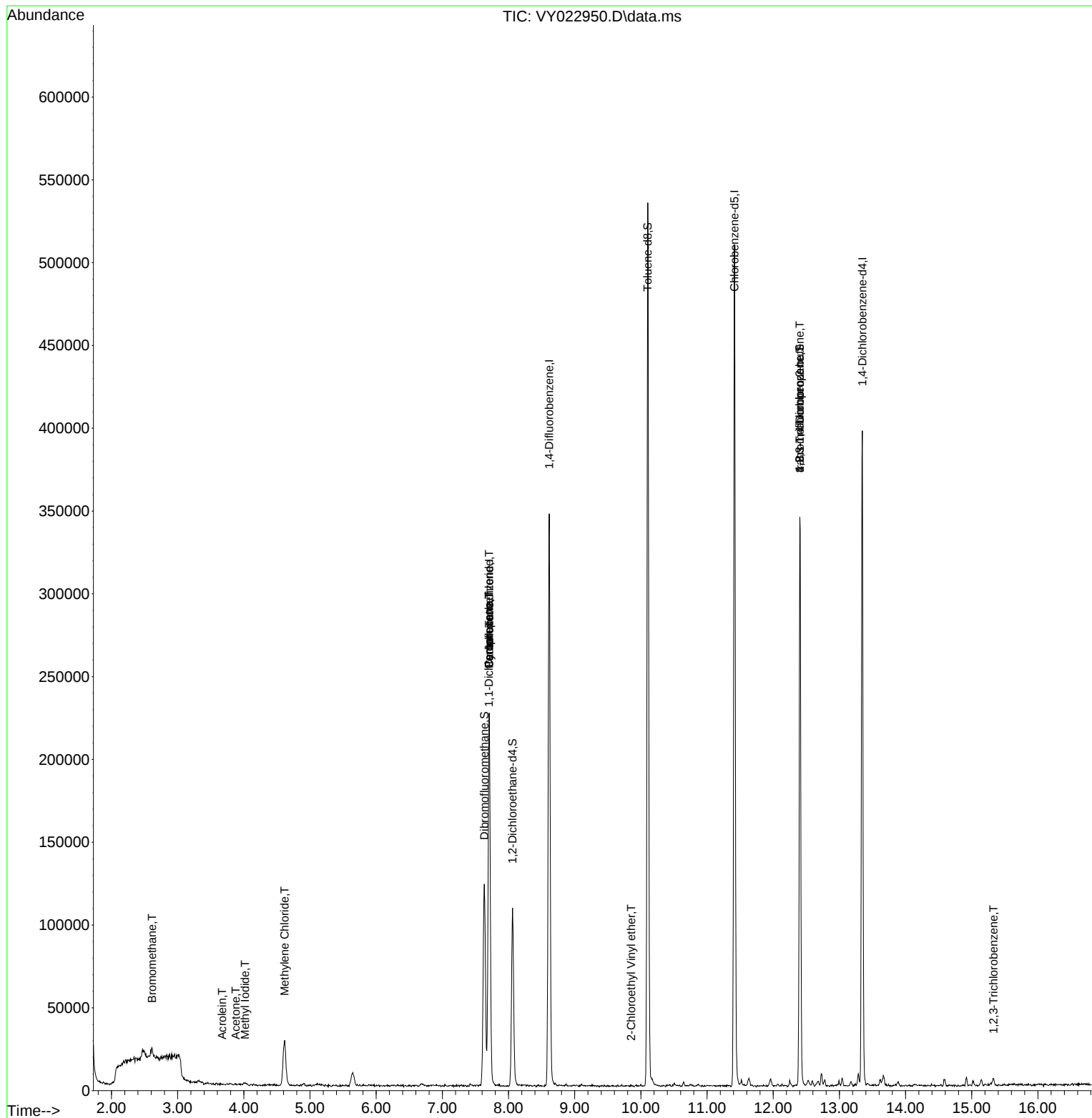
Internal Standards						
1) Pentafluorobenzene	7.707	168	169827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	291091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	256345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	96874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83563	44.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.180%		
35) Dibromofluoromethane	7.634	113	87585	49.475	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.960%		
50) Toluene-d8	10.103	98	342304	48.729	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.402	95	102452	45.369	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.740%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	4044	1.485	ug/l	86
10) Methyl Iodide	4.019	142	1953	1.023	ug/l #	93
13) Acrolein	3.671	56	187	1.094	ug/l #	28
16) Acetone	3.879	43	1399	3.905	ug/l #	88
20) Methylene Chloride	4.616	84	19723	8.717	ug/l	95
31) Cyclohexane	7.707	56	4370	1.342	ug/l #	33
36) 1,1-Dichloropropene	7.701	75	14919	5.560	ug/l #	50
38) Carbon Tetrachloride	7.707	117	16884	5.963	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.853	63	49	15.701	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	57763	58.405	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	57763	147.555	ug/l #	10
96) 1,2,3-Trichlorobenzene	15.328	180	1407	1.003	ug/l	90

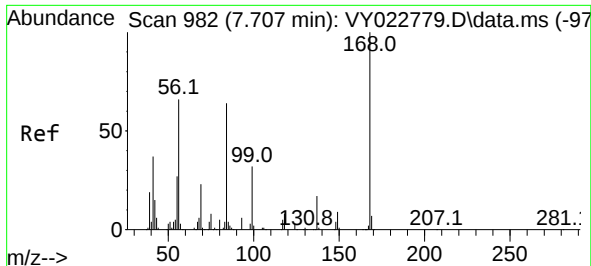
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
Data File : VY022950.D
Acq On : 07 Jul 2025 11:18
Operator : SY/MD
Sample : Q2507-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

Quant Time: Jul 08 01:44:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

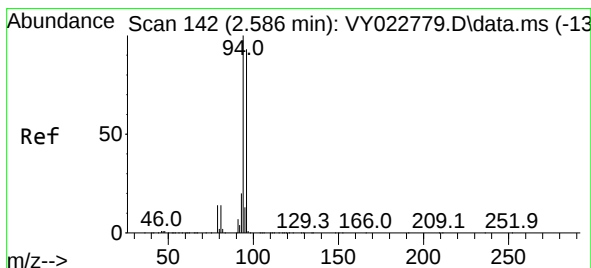
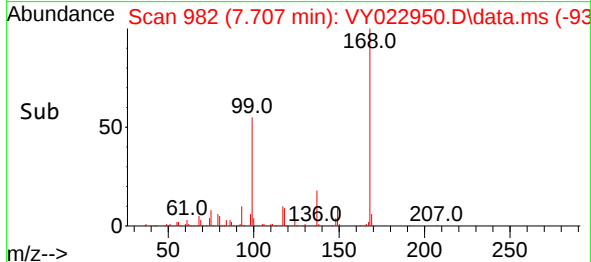
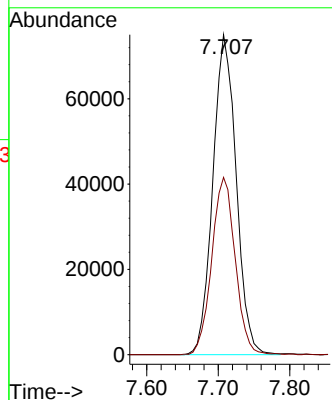
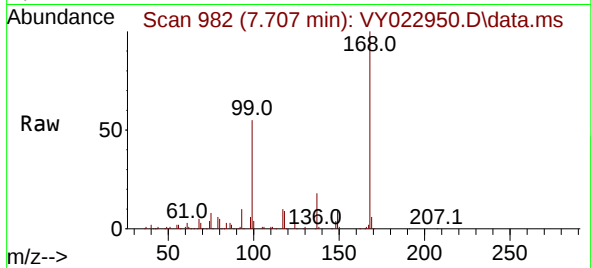




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

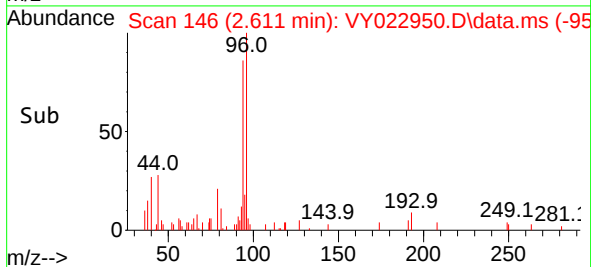
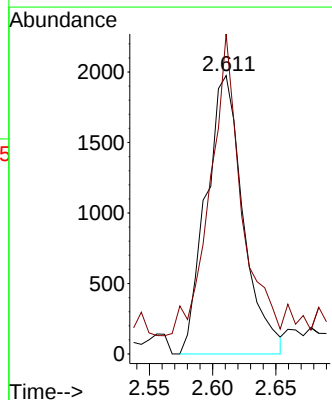
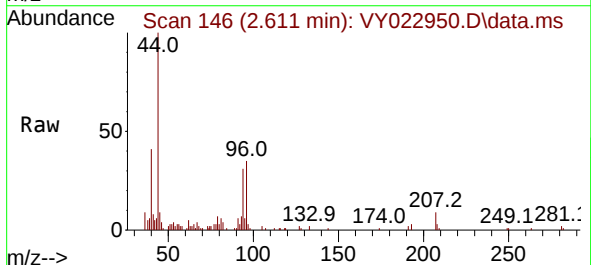
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

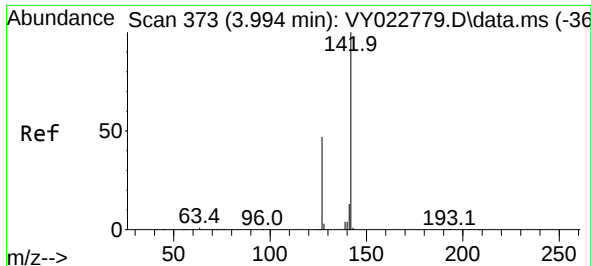
Tgt Ion:168 Resp: 169827
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#5
Bromomethane
Concen: 1.485 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.012 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion: 94 Resp: 4044
Ion Ratio Lower Upper
94 100
96 106.0 74.0 111.0

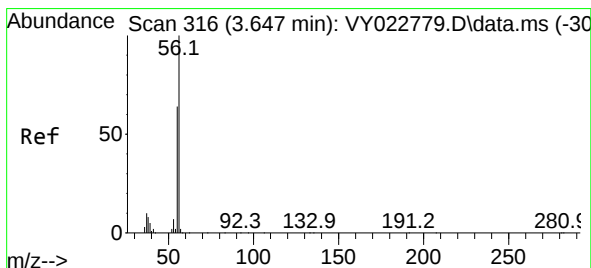
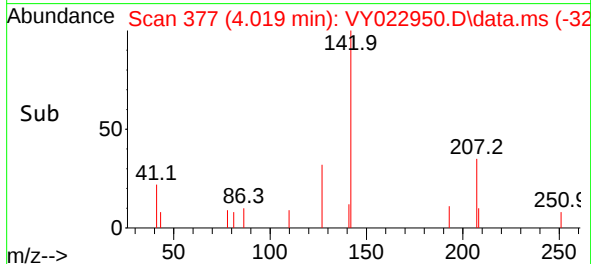
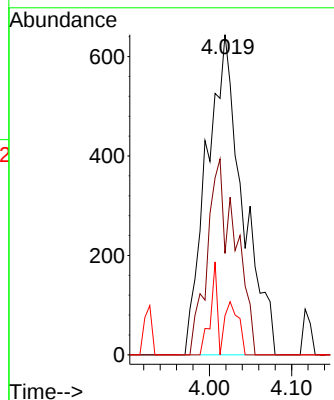
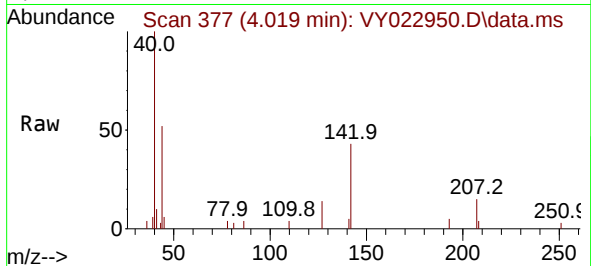




#10
Methyl Iodide
Concen: 1.023 ug/l
RT: 4.019 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

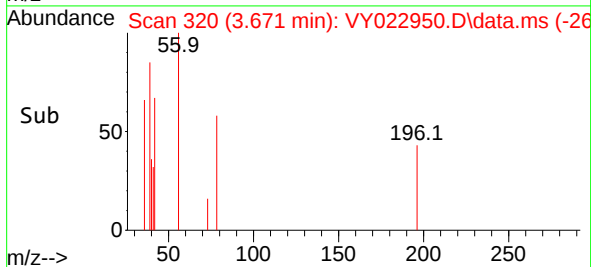
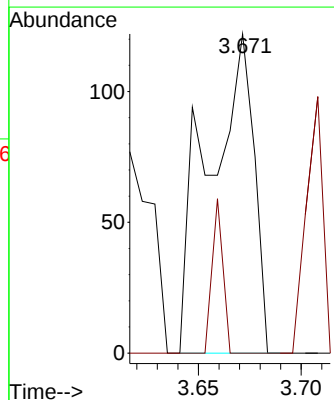
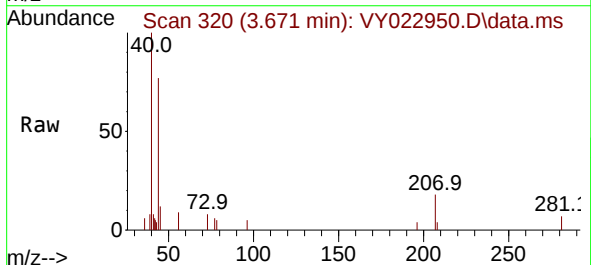
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

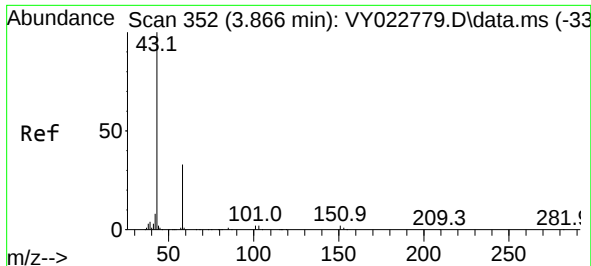
Tgt Ion:142 Resp: 1953
Ion Ratio Lower Upper
142 100
127 47.9 37.1 55.7
141 4.9 11.4 17.2#



#13
Acrolein
Concen: 1.094 ug/l
RT: 3.671 min Scan# 320
Delta R.T. 0.012 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 11.8 57.0 85.6#

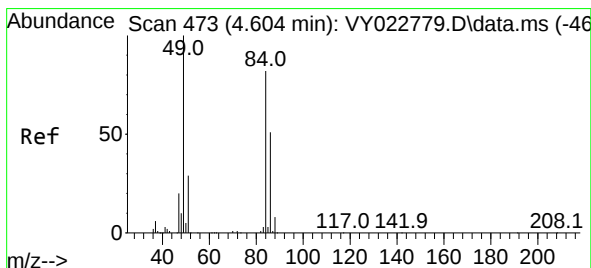
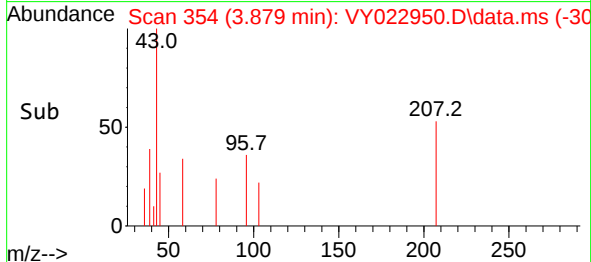
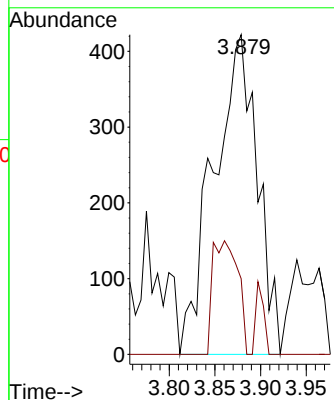
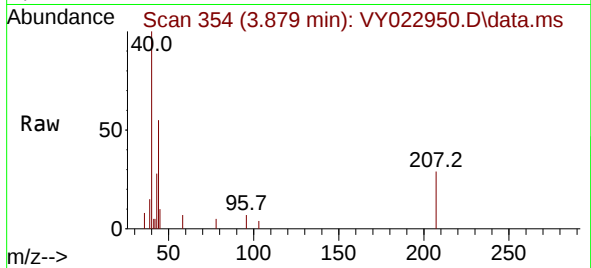




#16
Acetone
Concen: 3.905 ug/l
RT: 3.879 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

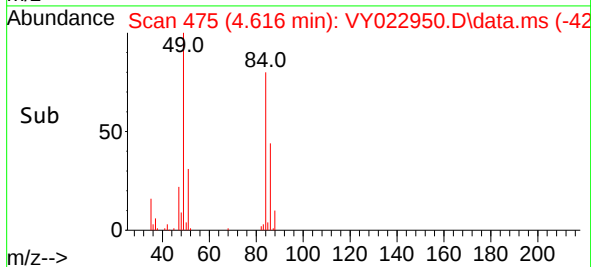
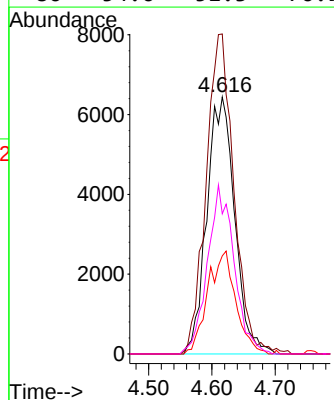
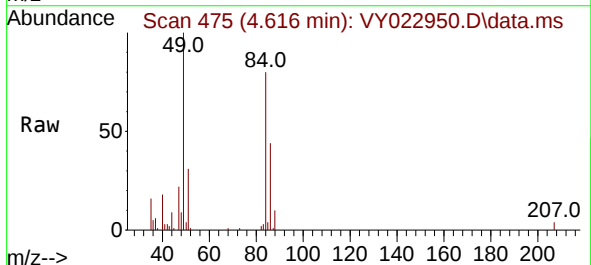
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

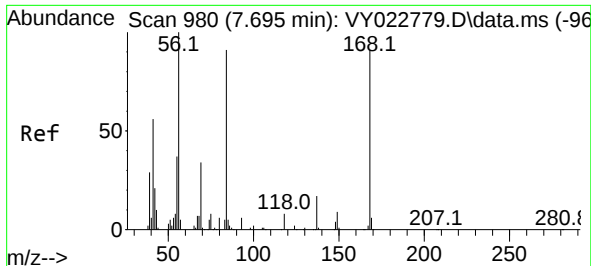
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
58 23.7 24.0 36.0#



#20
Methylene Chloride
Concen: 8.717 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

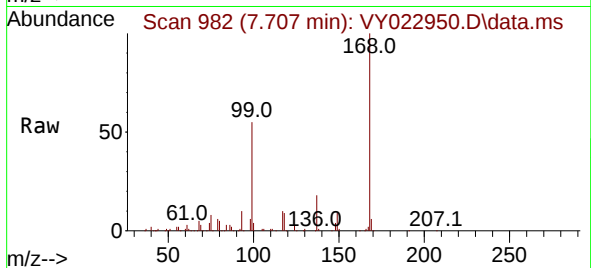
Tgt Ion: 84 Resp: 19723
Ion Ratio Lower Upper
84 100
49 124.6 101.9 152.9
51 38.2 29.8 44.8
86 54.6 51.3 76.9



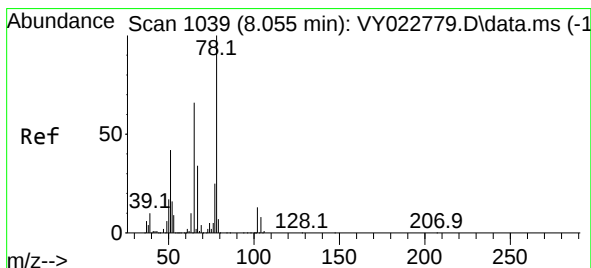
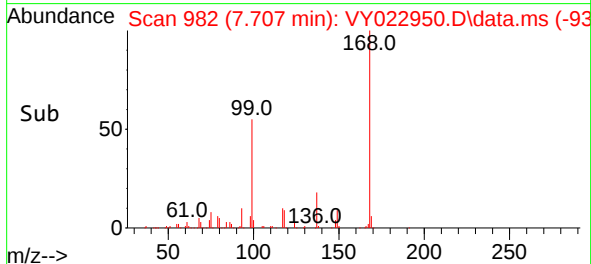
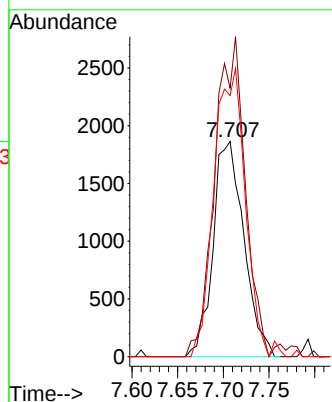


#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

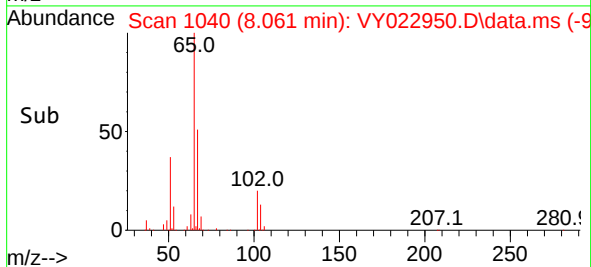
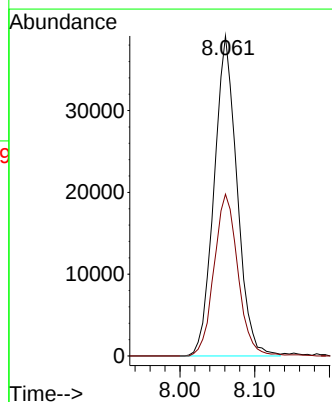
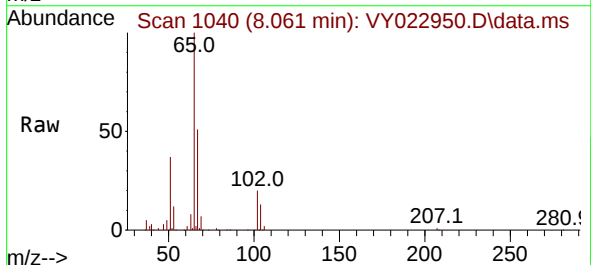


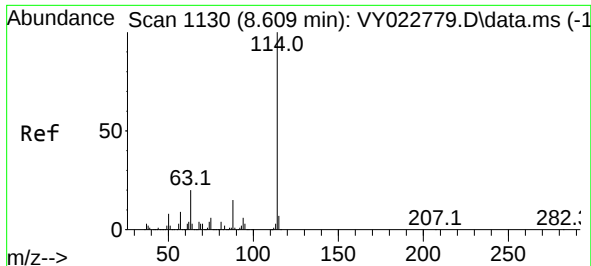
Tgt Ion: 56 Resp: 4370
Ion Ratio Lower Upper
56 100
69 124.7 27.0 40.6#
84 121.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 44.086 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion: 65 Resp: 83563
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4

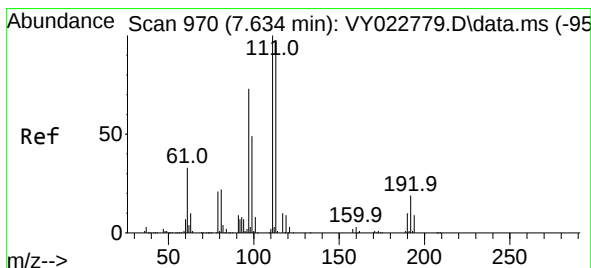
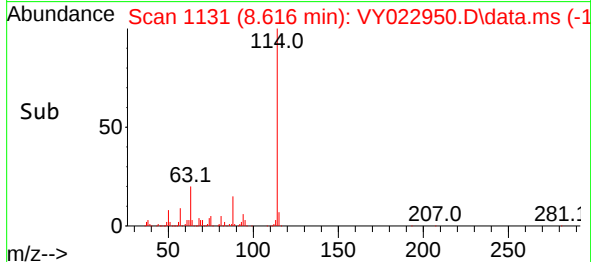
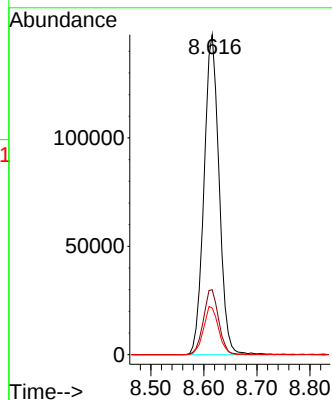
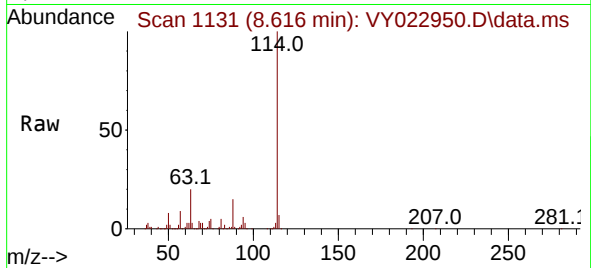




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

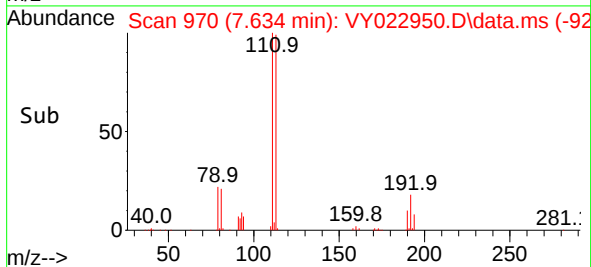
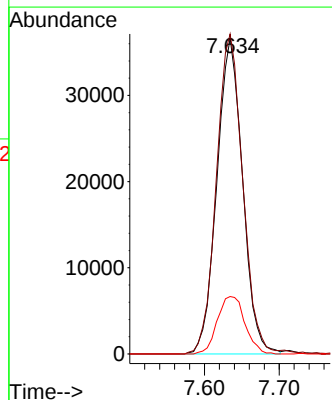
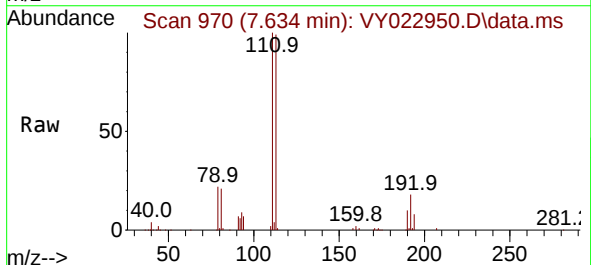
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

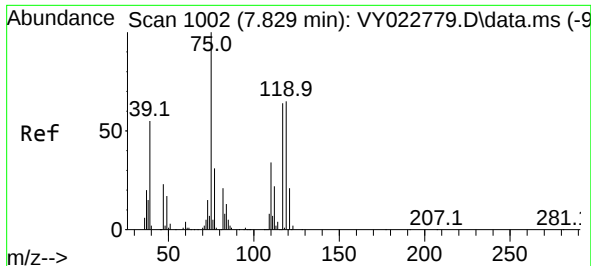
Tgt Ion:114 Resp: 291091
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 14.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.475 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion:113 Resp: 87585
Ion Ratio Lower Upper
113 100
111 104.0 81.1 121.7
192 19.5 14.2 21.2

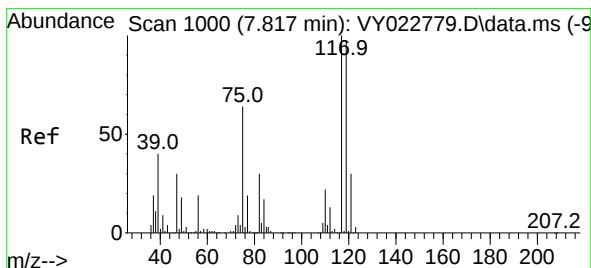
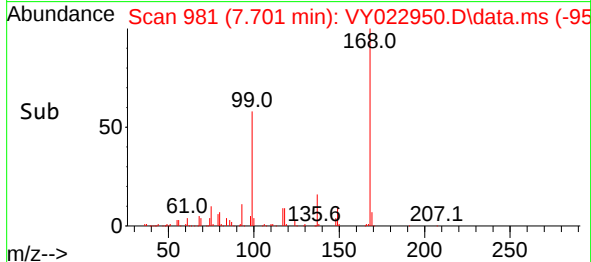
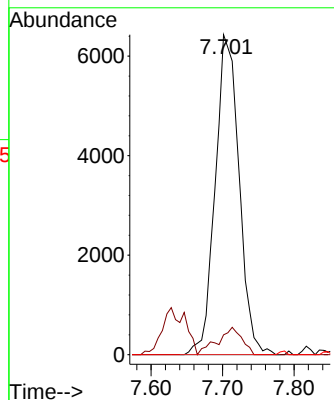
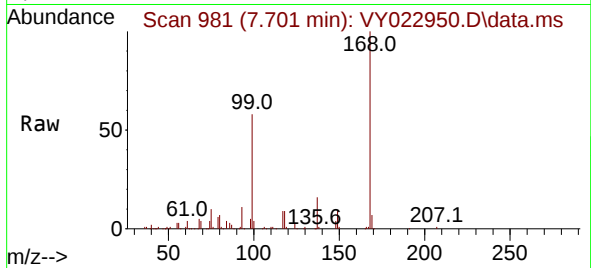




#36
 1,1-Dichloropropene
 Concen: 5.560 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY022950.D
 Acq: 07 Jul 2025 11:18

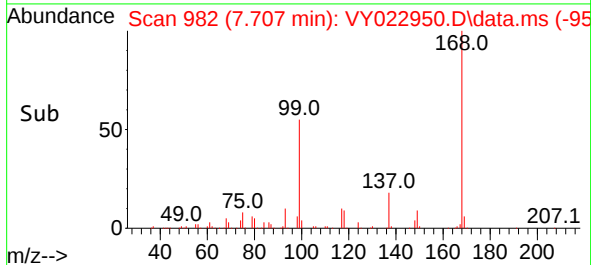
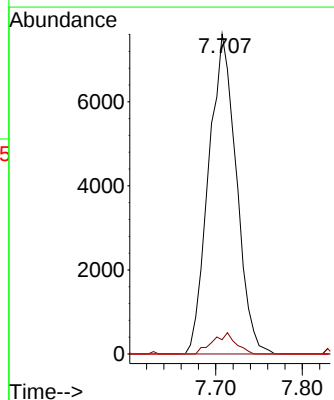
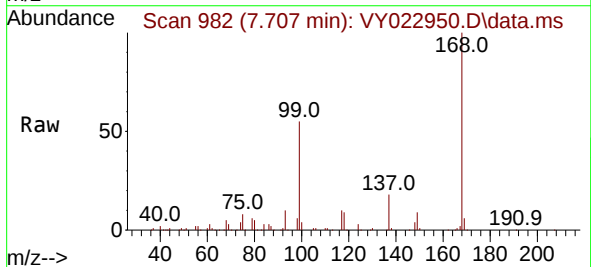
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-7.3-2025-VOC

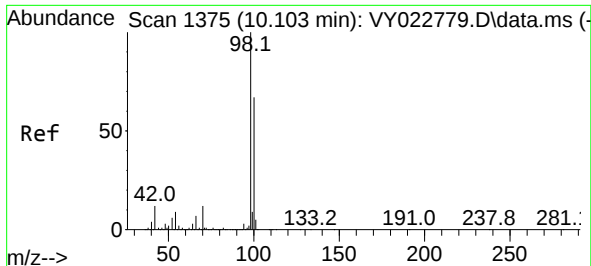
Tgt Ion: 75 Resp: 14919
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.963 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022950.D
 Acq: 07 Jul 2025 11:18

Tgt Ion: 117 Resp: 16884
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.0 112.6#
 121 0.0 25.0 37.4#

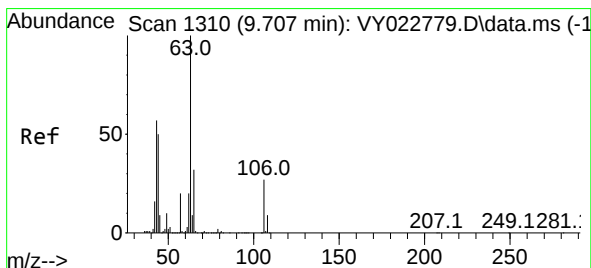
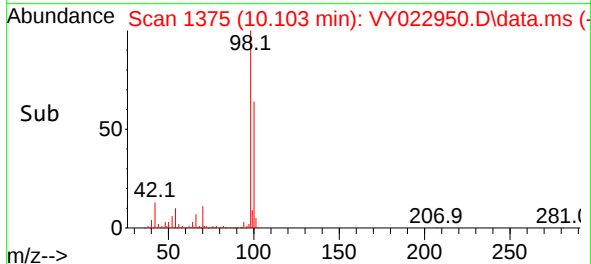
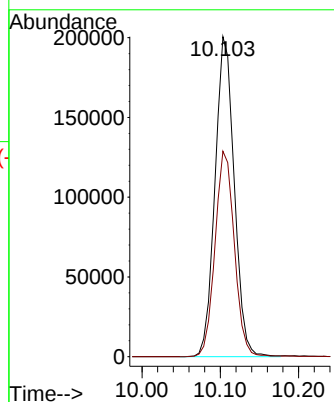
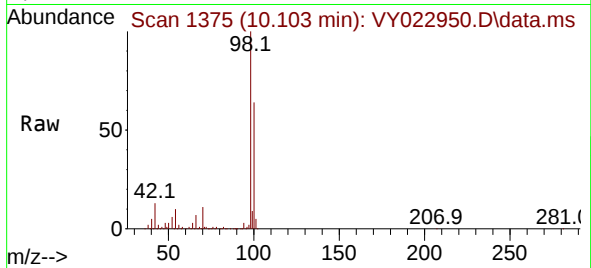




#50
Toluene-d8
Concen: 48.729 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

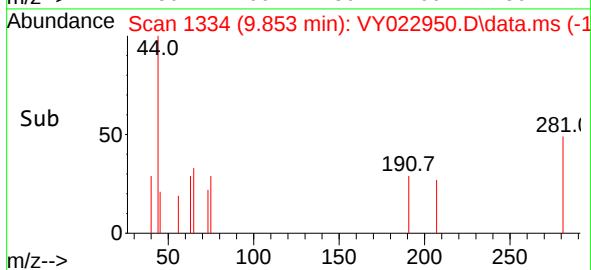
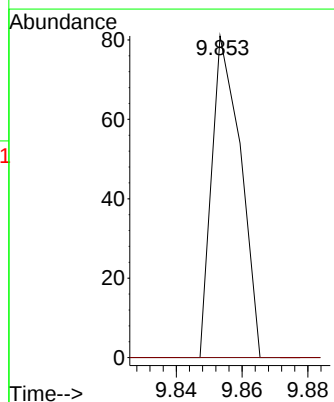
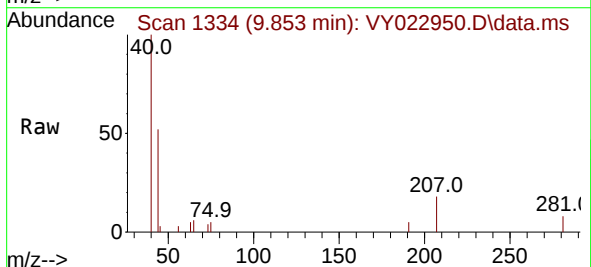
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

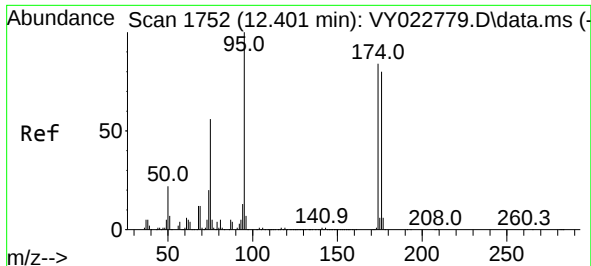
Tgt Ion: 98 Resp: 342304
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.701 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.140 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion: 63 Resp: 49
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

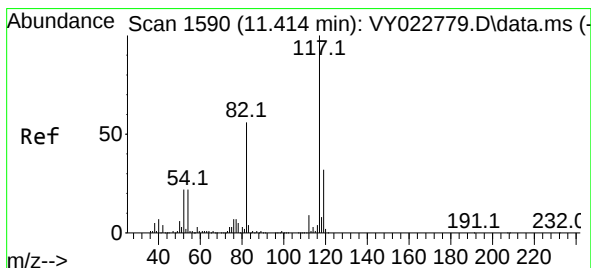
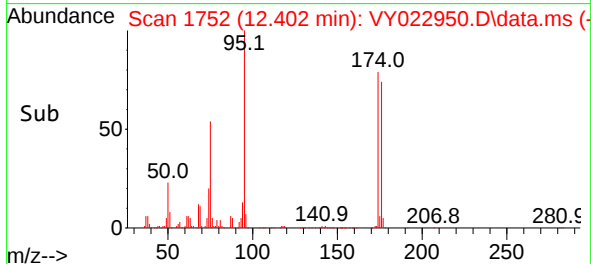
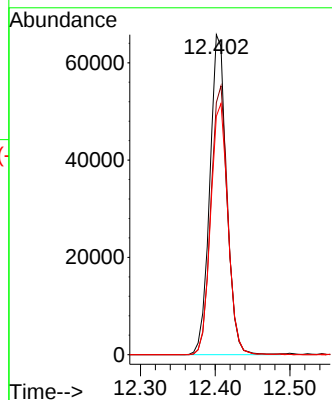
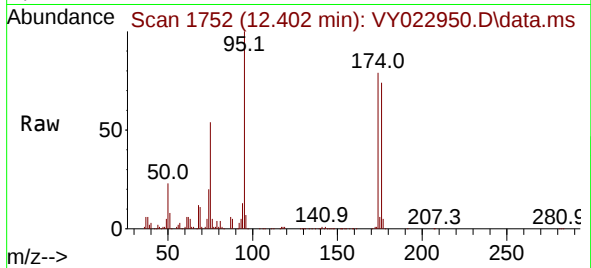




#62
4-Bromofluorobenzene
Concen: 45.369 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

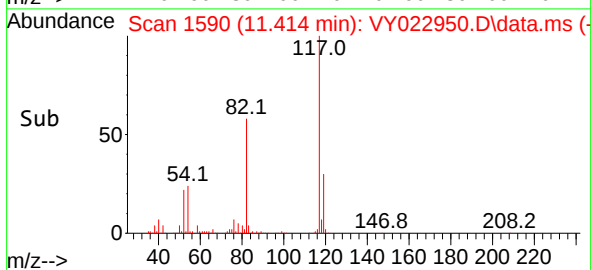
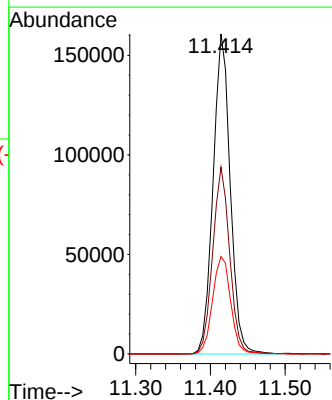
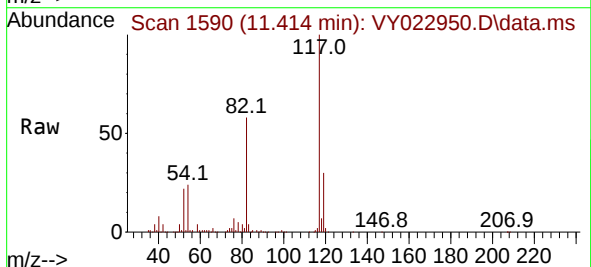
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

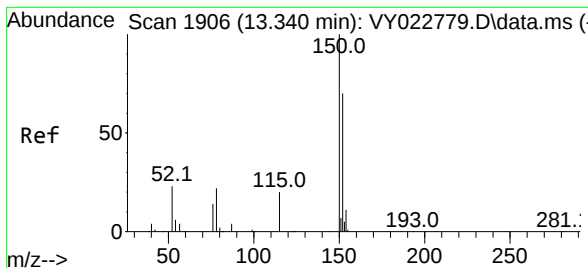
Tgt Ion: 95 Resp: 102452
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 81.2 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion: 117 Resp: 256345
Ion Ratio Lower Upper
117 100
82 58.4 44.6 66.8
119 30.5 25.4 38.0

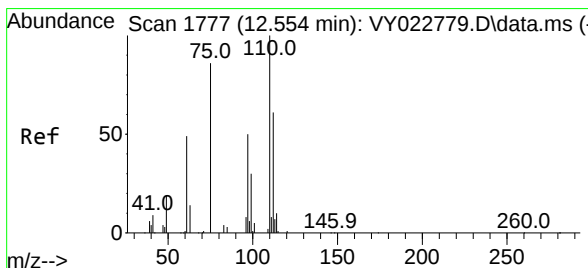
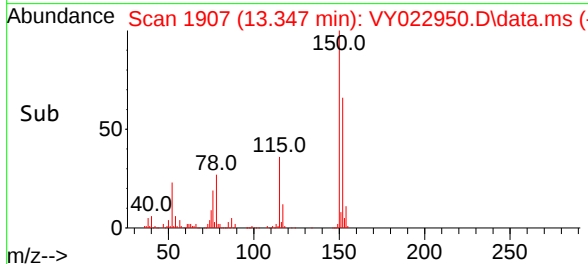
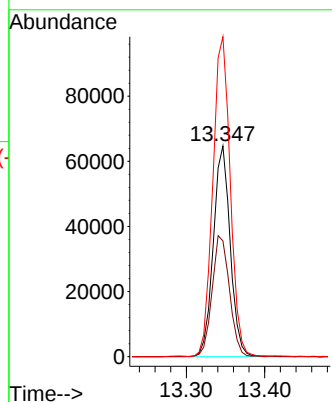
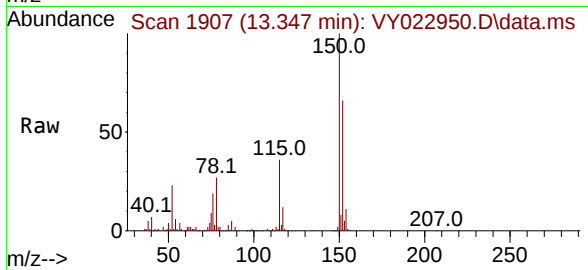




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY022950.D
 Acq: 07 Jul 2025 11:18

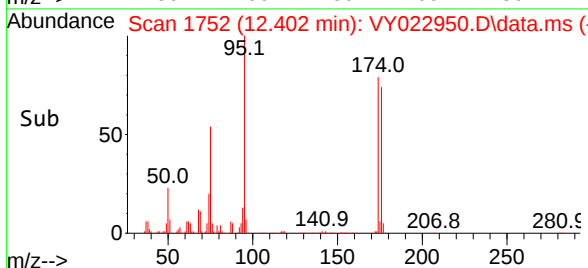
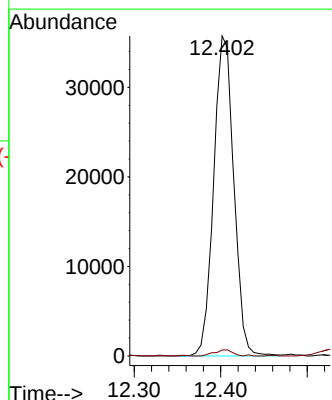
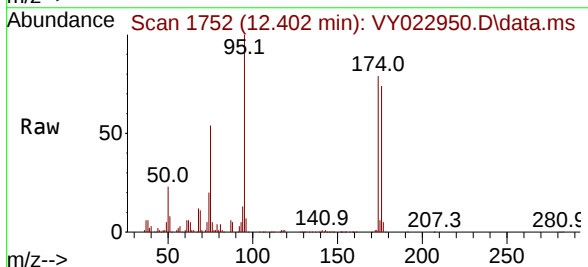
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-7.3-2025-VOC

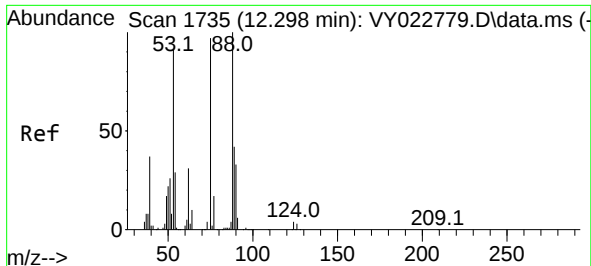
Tgt Ion:152 Resp: 96874
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.9 86.7
 150 156.5 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 58.405 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022950.D
 Acq: 07 Jul 2025 11:18

Tgt Ion: 75 Resp: 57763
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

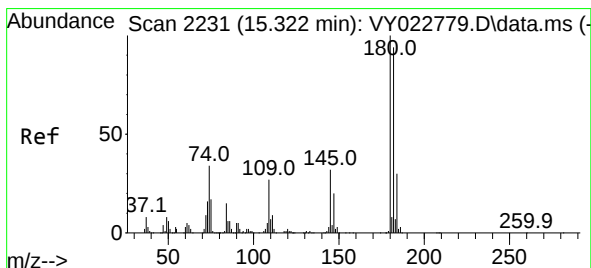
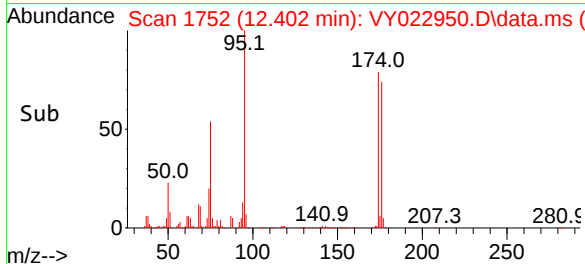
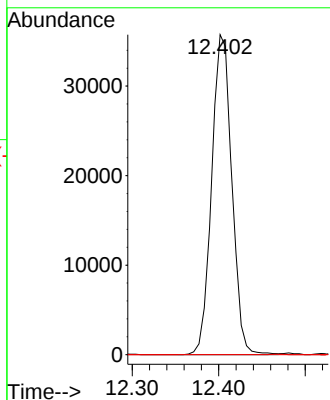
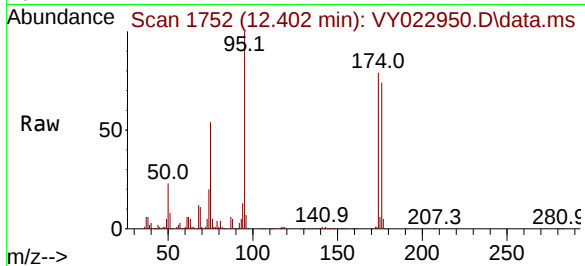




#81
trans-1,4-Dichloro-2-butene
Concen: 147.555 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-7.3-2025-VOC

Tgt Ion: 75 Resp: 57763
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#



#96
1,2,3-Trichlorobenzene
Concen: 1.003 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022950.D
Acq: 07 Jul 2025 11:18

Tgt Ion:180 Resp: 1407
Ion Ratio Lower Upper
180 100
182 87.3 47.1 141.3
145 39.7 15.2 45.6

