

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022631.D
 Acq On : 09 Jun 2025 15:33
 Operator : SY/MD
 Sample : Q2266-03
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Jun 10 01:30:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	265399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	504674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	411328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158216	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149338	50.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.620%
35) Dibromofluoromethane	7.634	113	152544	50.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.280%
50) Toluene-d8	10.109	98	616274	50.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.260%
62) 4-Bromofluorobenzene	12.408	95	157212	43.351	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.700%

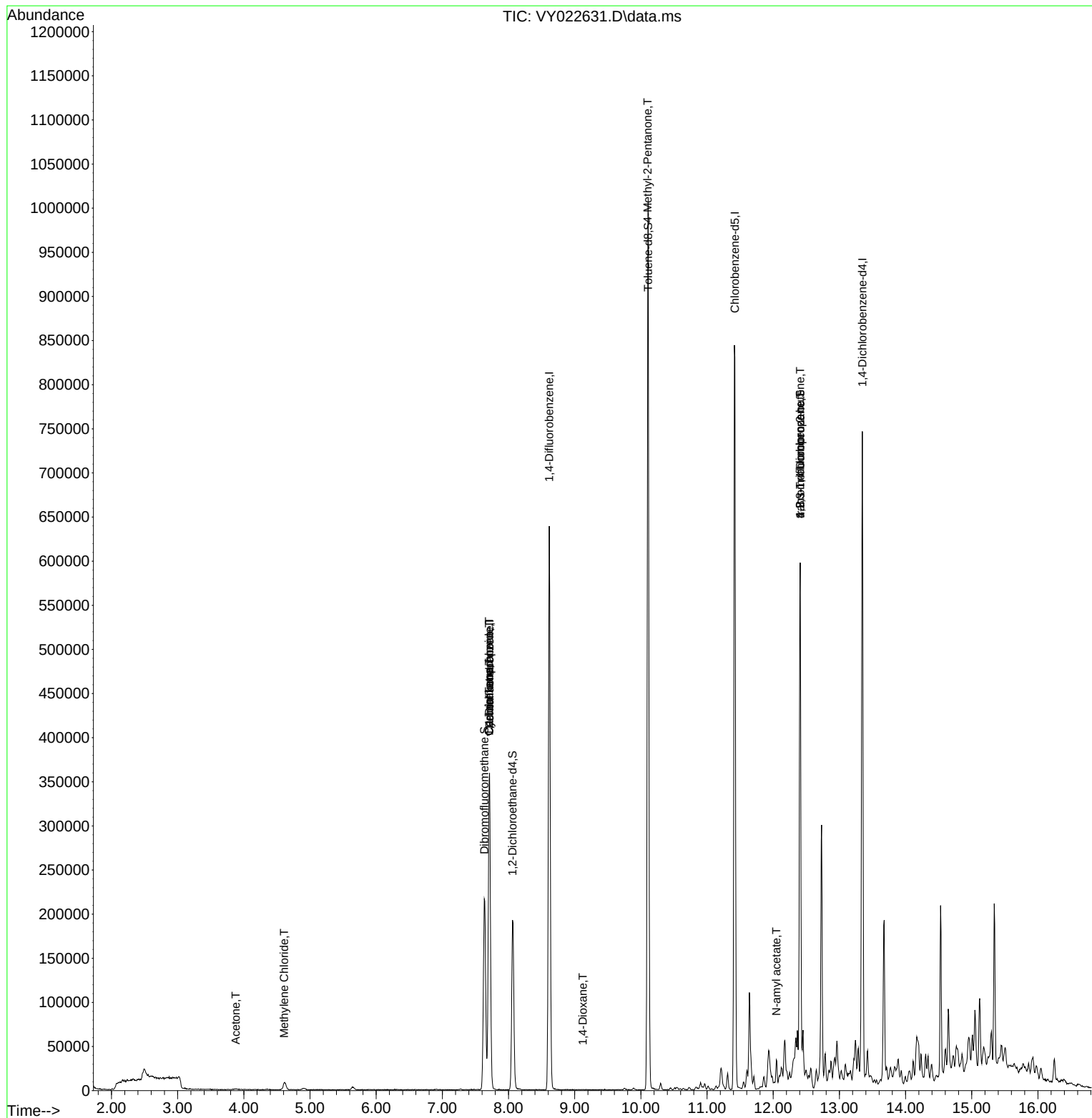
Target Compounds					Qvalue	
16) Acetone	3.879	43	1897	3.147	ug/l #	69
20) Methylene Chloride	4.610	84	5753	1.680	ug/l #	82
31) Cyclohexane	7.707	56	7684	1.347	ug/l #	30
36) 1,1-Dichloropropene	7.707	75	24652	5.042	ug/l #	50
38) Carbon Tetrachloride	7.707	117	27843	5.552	ug/l #	17
49) 1,4-Dioxane	9.122	88	27	1.187	ug/l #	1
51) 4-Methyl-2-Pentanone	10.103	43	3559	1.516	ug/l #	1
74) N-amyl acetate	12.048	43	5802	1.770	ug/l #	67
76) 1,2,3-Trichloropropane	12.408	75	95334	52.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	95334	127.193	ug/l #	10

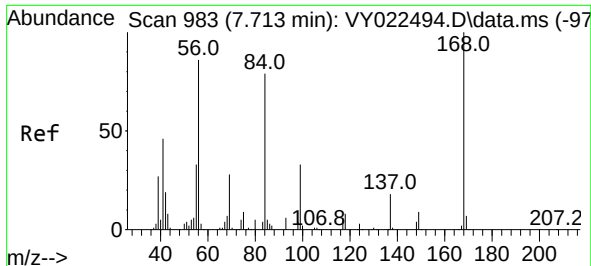
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

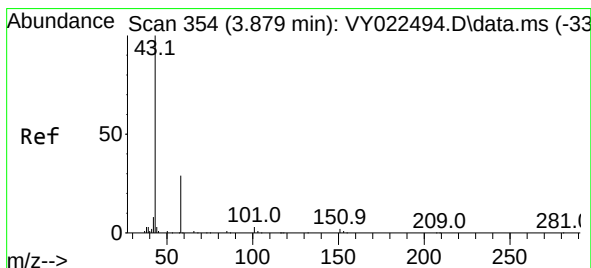
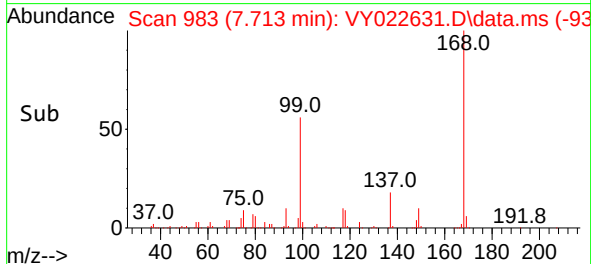
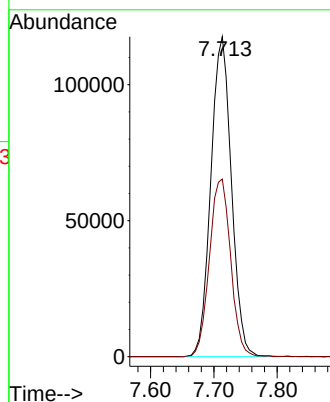
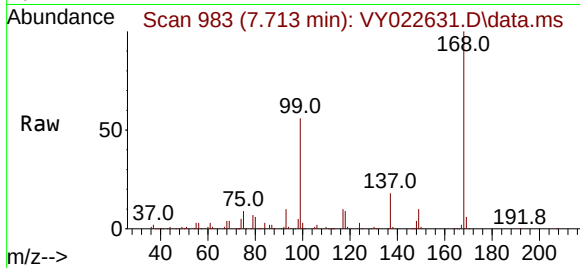




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

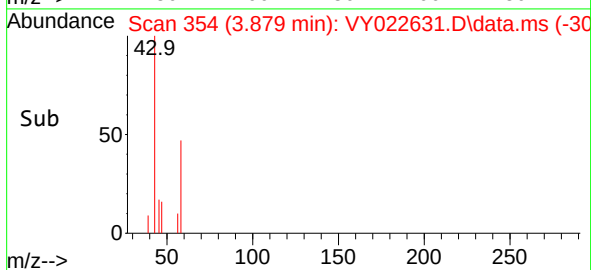
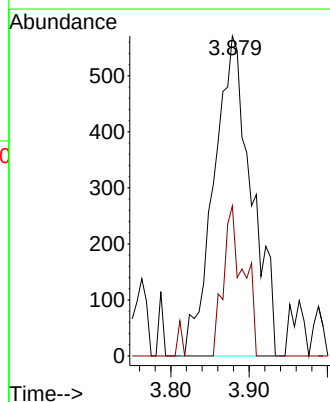
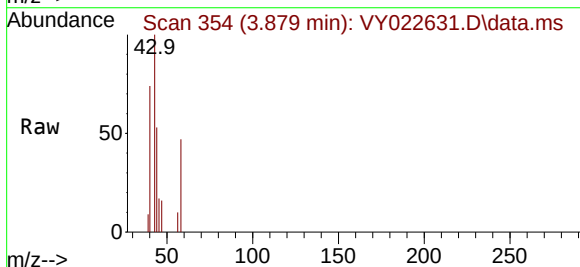
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

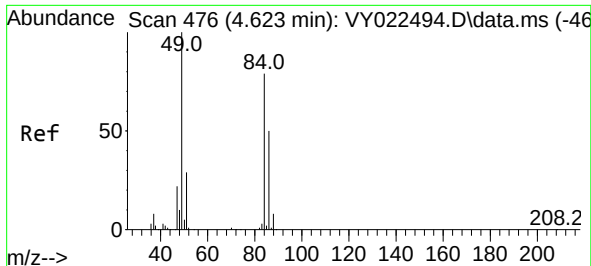
Tgt Ion:168 Resp: 265399
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#16
Acetone
Concen: 3.147 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
58 46.9 24.0 36.0#

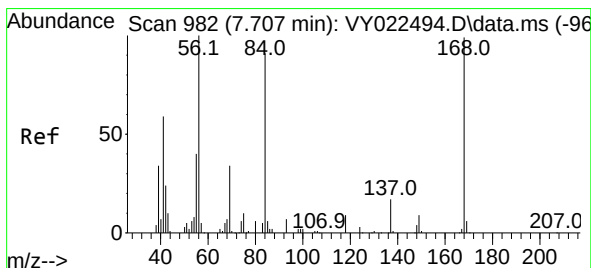
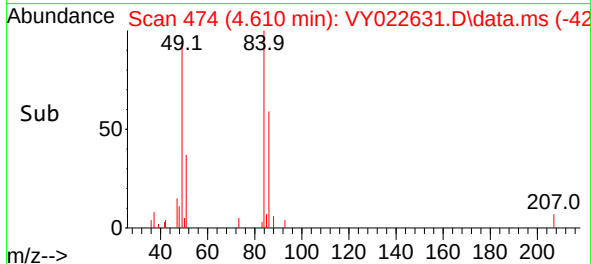
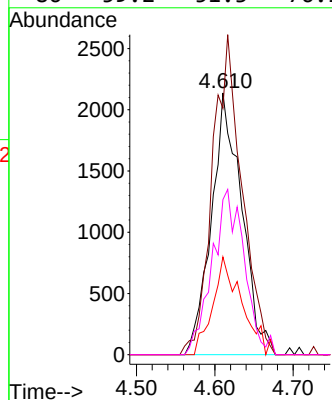
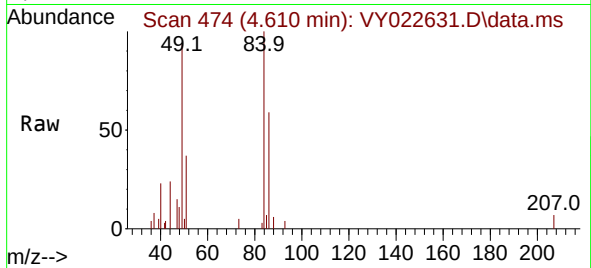




#20
Methylene Chloride
Concen: 1.680 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

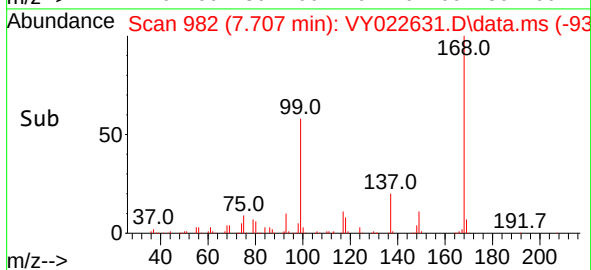
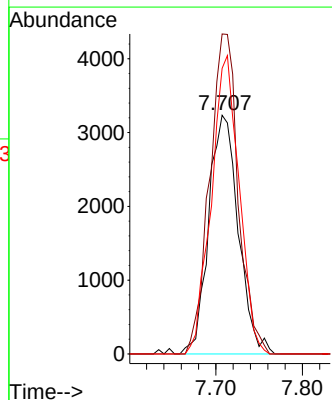
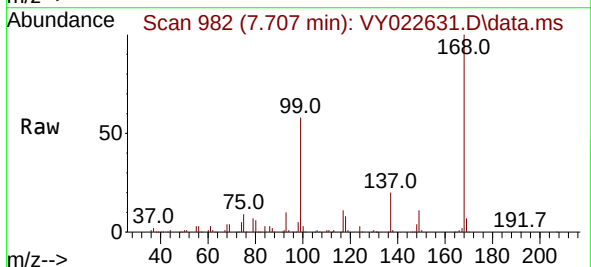
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

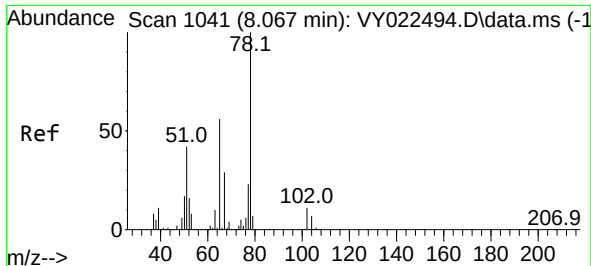
Tgt Ion:	84	Resp:	5753
Ion	Ratio	Lower	Upper
84	100		
49	94.2	101.9	152.9#
51	37.3	29.8	44.8
86	59.2	51.3	76.9



#31
Cyclohexane
Concen: 1.347 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion:	56	Resp:	7684
Ion	Ratio	Lower	Upper
56	100		
69	134.1	27.0	40.6#
84	119.7	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.310 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022631.D

Acq: 09 Jun 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

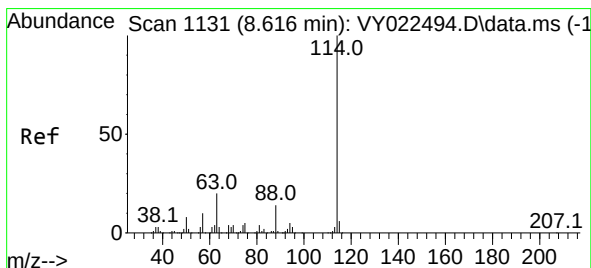
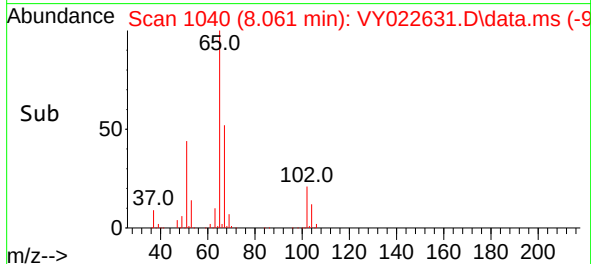
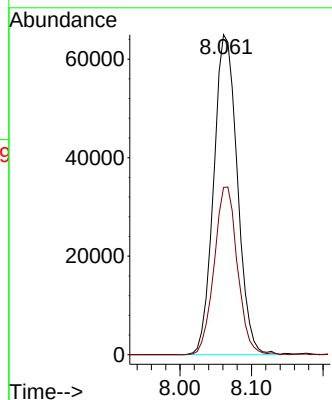
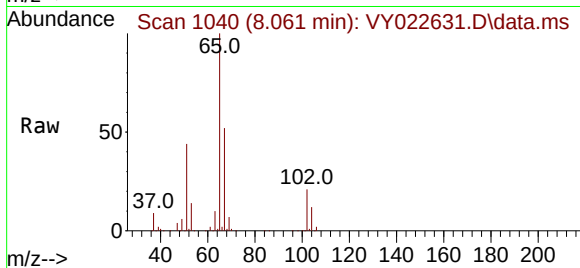
WC-3-VOC

Tgt Ion: 65 Resp: 149338

Ion Ratio Lower Upper

65 100

67 51.6 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: VY022631.D

Acq: 09 Jun 2025 15:33

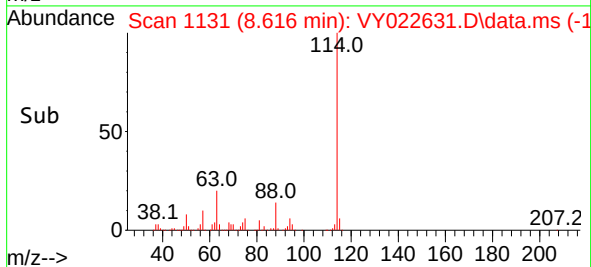
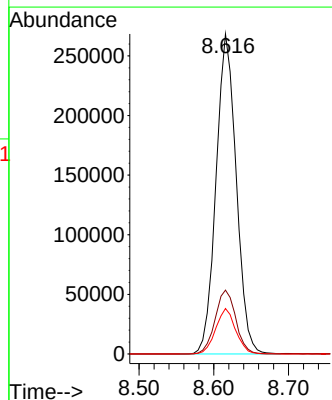
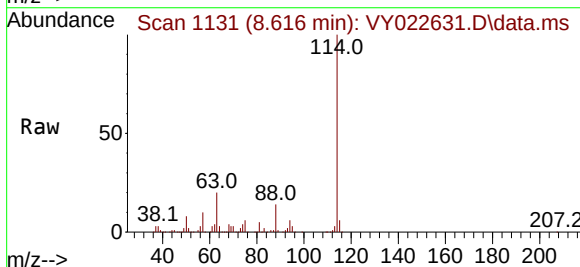
Tgt Ion: 114 Resp: 504674

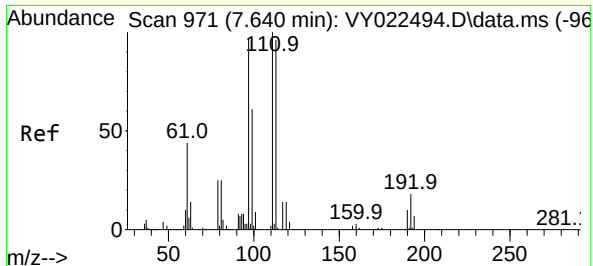
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.2 0.0 27.8

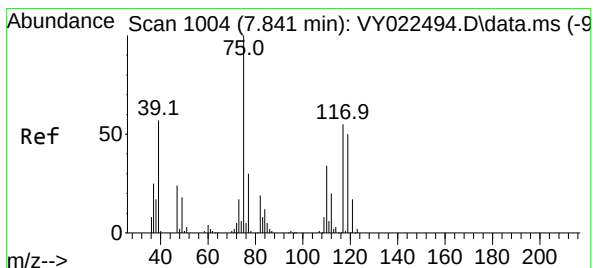
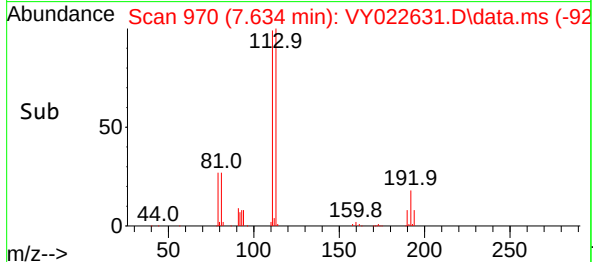
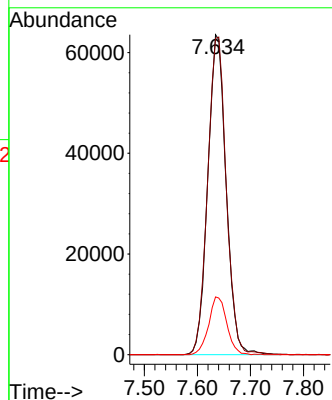
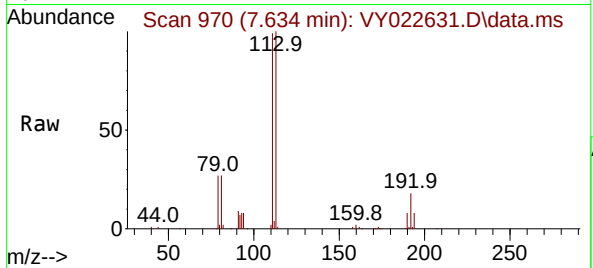




#35
Dibromofluoromethane
Concen: 50.640 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

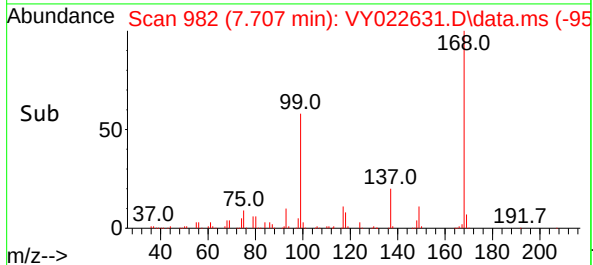
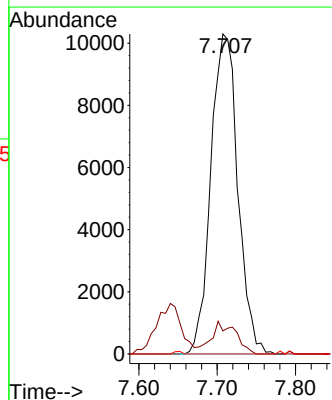
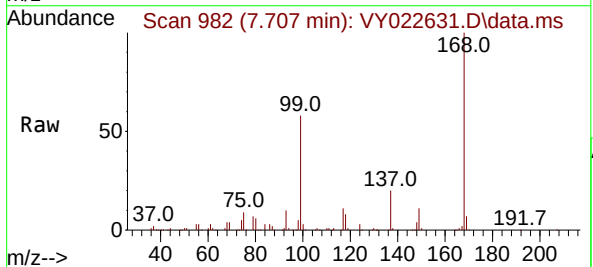
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

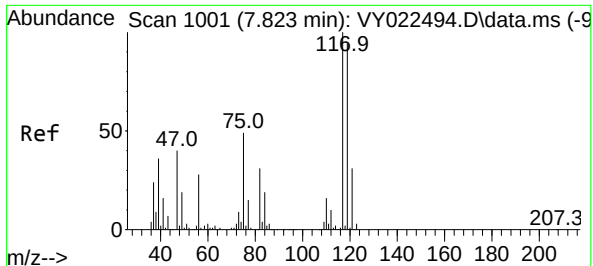
Tgt Ion:113 Resp: 152544
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 17.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion: 75 Resp: 24652
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.8 37.2#

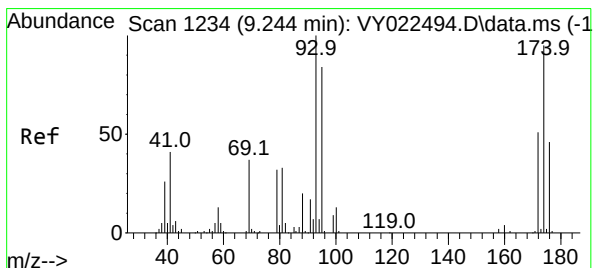
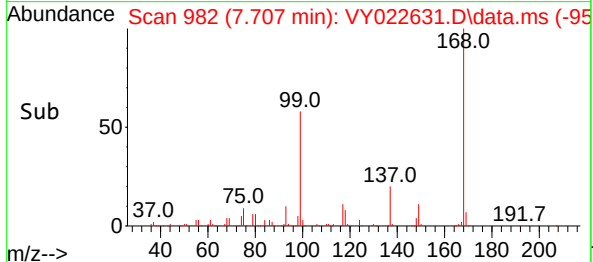
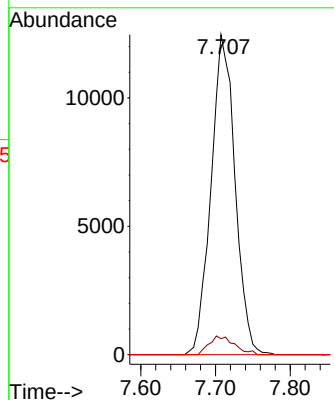
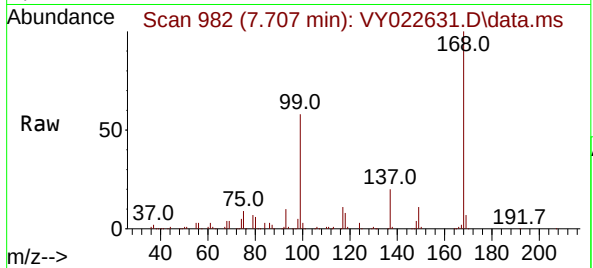




#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

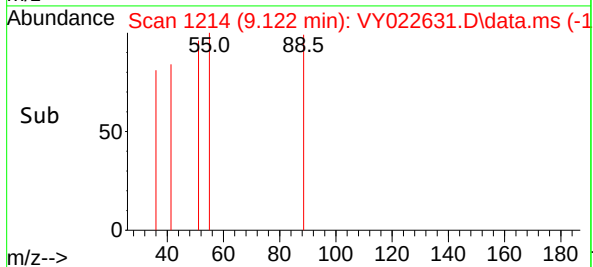
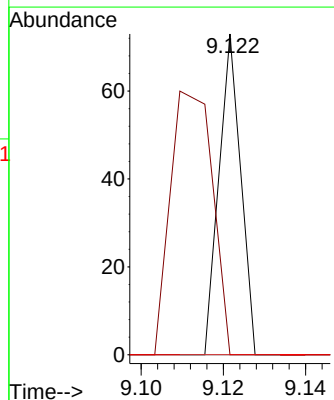
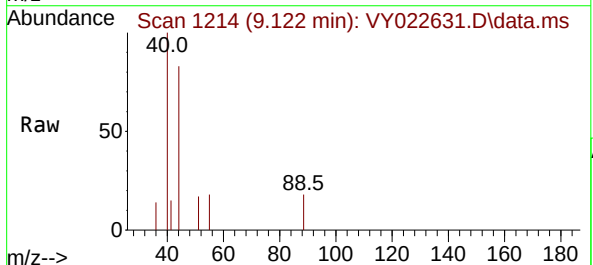
Instrument :
MSVOA_Y
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WC-3-VOC

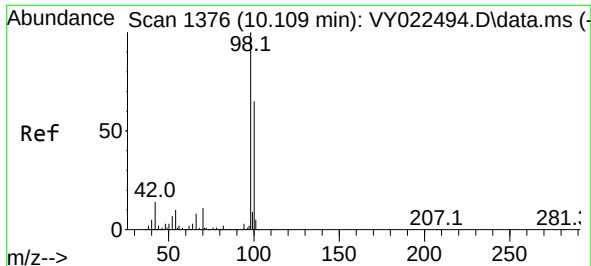
Tgt Ion:117 Resp: 27843
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 1.187 ug/l
RT: 9.122 min Scan# 1214
Delta R.T. -0.122 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 159.3 25.4 38.2#
58 0.0 54.9 82.3#

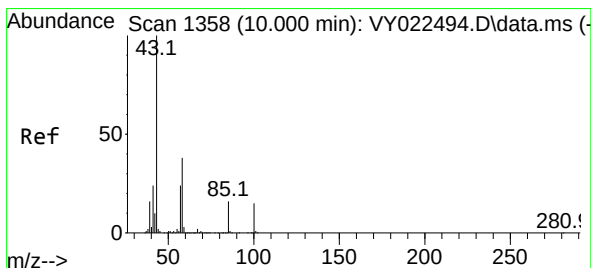
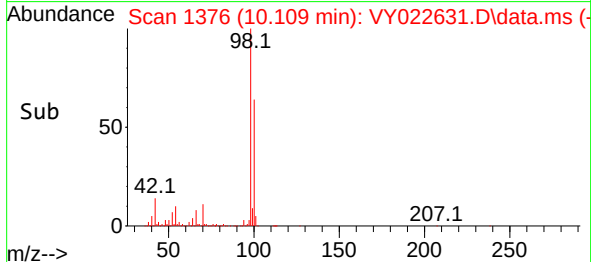
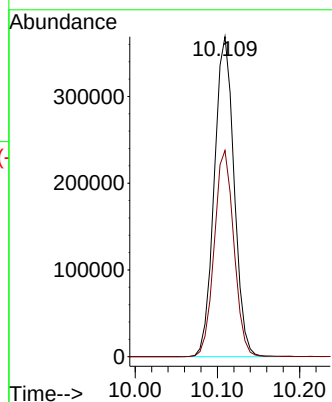
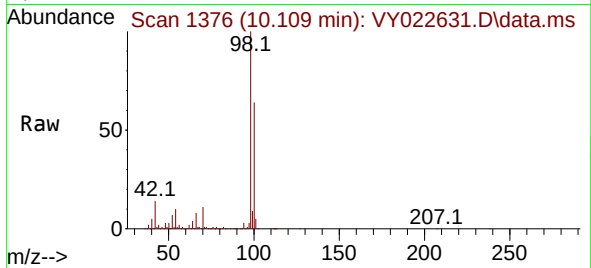




#50
Toluene-d8
Concen: 50.632 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

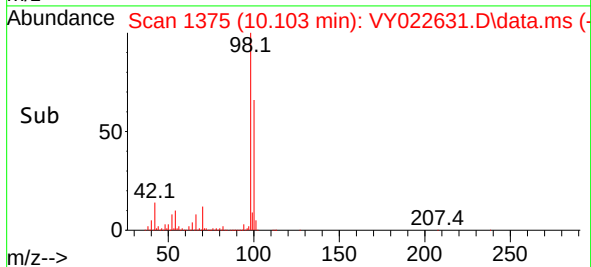
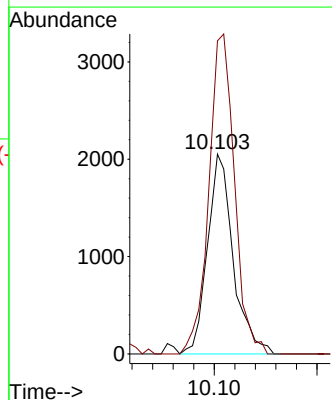
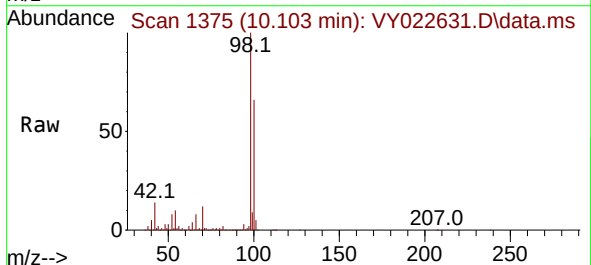
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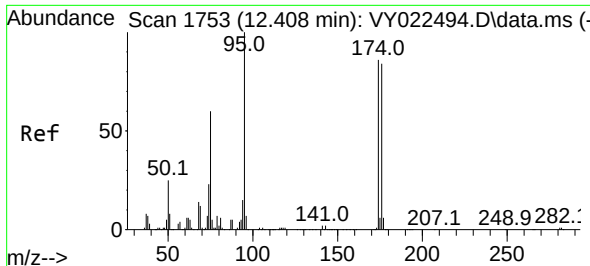
Tgt Ion: 98 Resp: 616274
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.516 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion: 43 Resp: 3559
Ion Ratio Lower Upper
43 100
58 159.5 30.4 45.6#

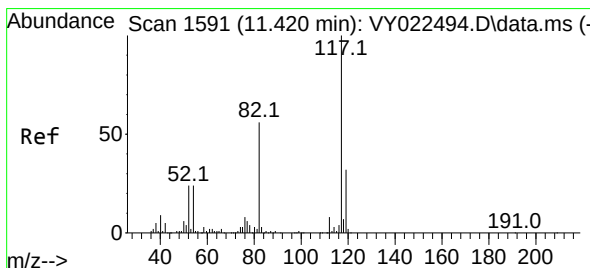
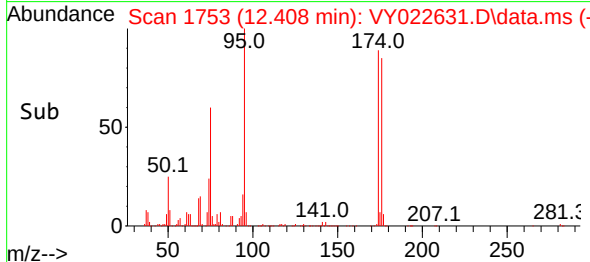
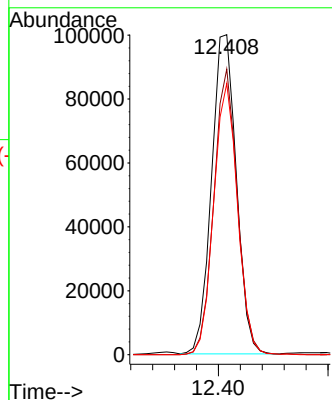
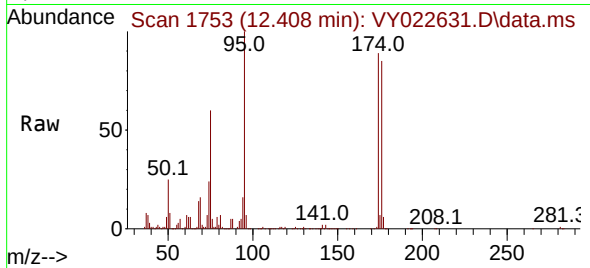




#62
4-Bromofluorobenzene
Concen: 43.351 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

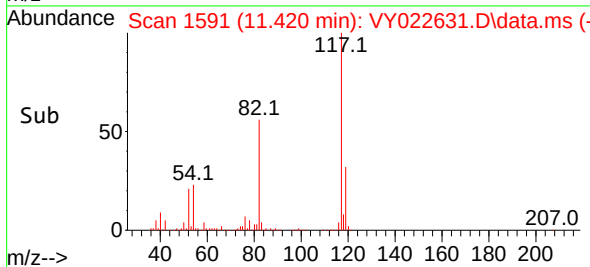
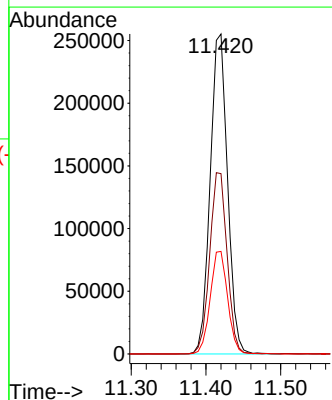
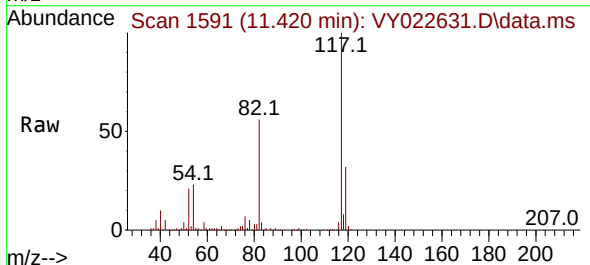
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

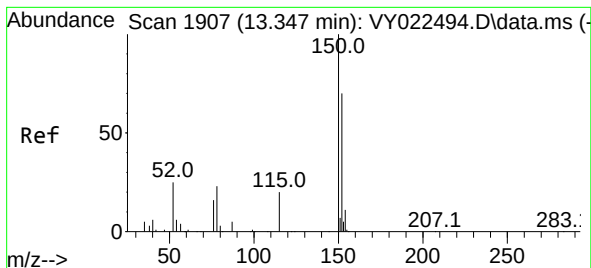
Tgt Ion: 95 Resp: 157212
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 81.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion: 117 Resp: 411328
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 32.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022631.D

Acq: 09 Jun 2025 15:33

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC

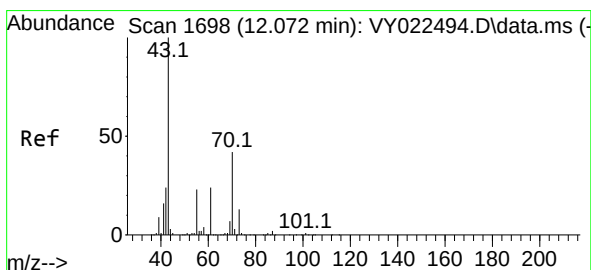
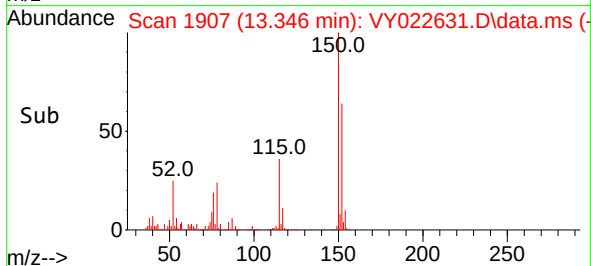
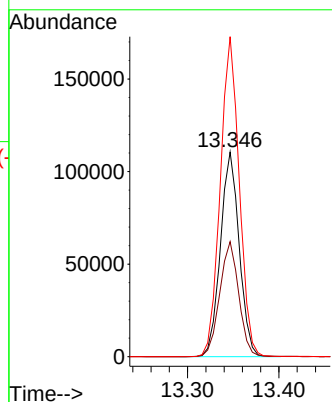
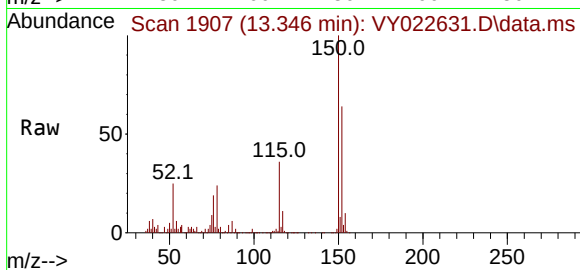
Tgt Ion:152 Resp: 158216

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.7

150 157.5 0.0 349.6



#74

N-ethyl acetate

Concen: 1.770 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY022631.D

Acq: 09 Jun 2025 15:33

Tgt Ion: 43 Resp: 5802

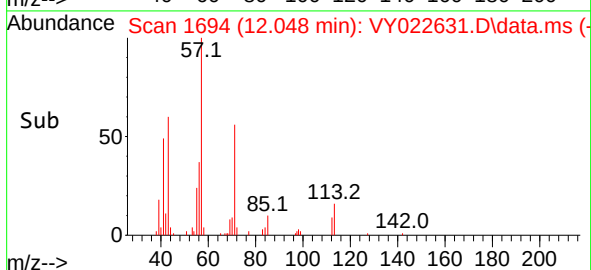
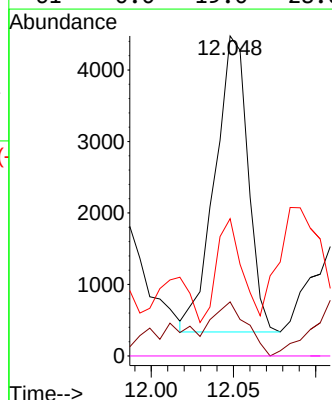
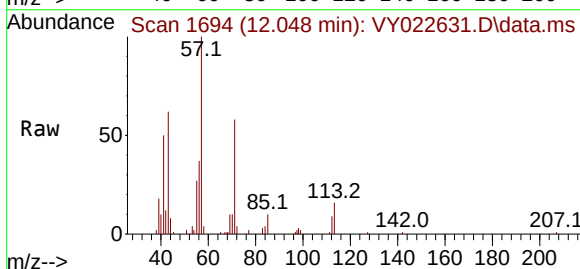
Ion Ratio Lower Upper

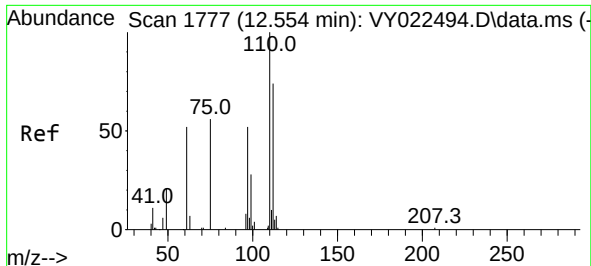
43 100

70 19.0 34.2 51.2#

55 26.5 18.2 27.4

61 0.0 19.0 28.6#

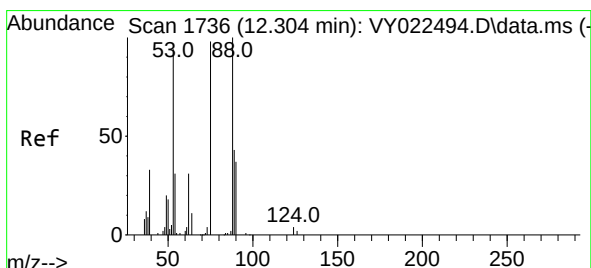
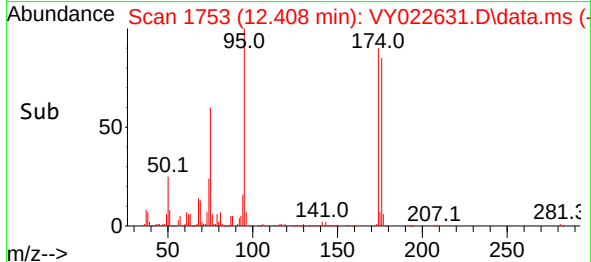
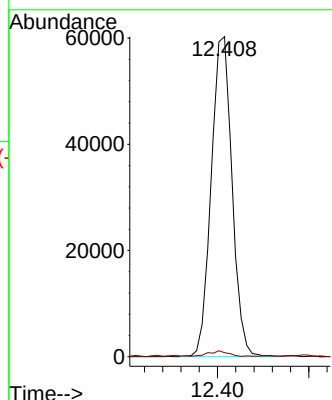
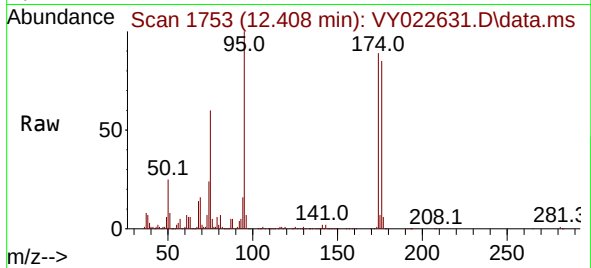




#76
1,2,3-Trichloropropane
Concen: 52.669 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

Tgt Ion: 75 Resp: 95334
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.193 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022631.D
Acq: 09 Jun 2025 15:33

Tgt Ion: 75 Resp: 95334
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

