

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023764.D
 Acq On : 12 Nov 2025 15:21
 Operator : SY/MD
 Sample : Q3609-05
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-02

Quant Time: Nov 14 03:39:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

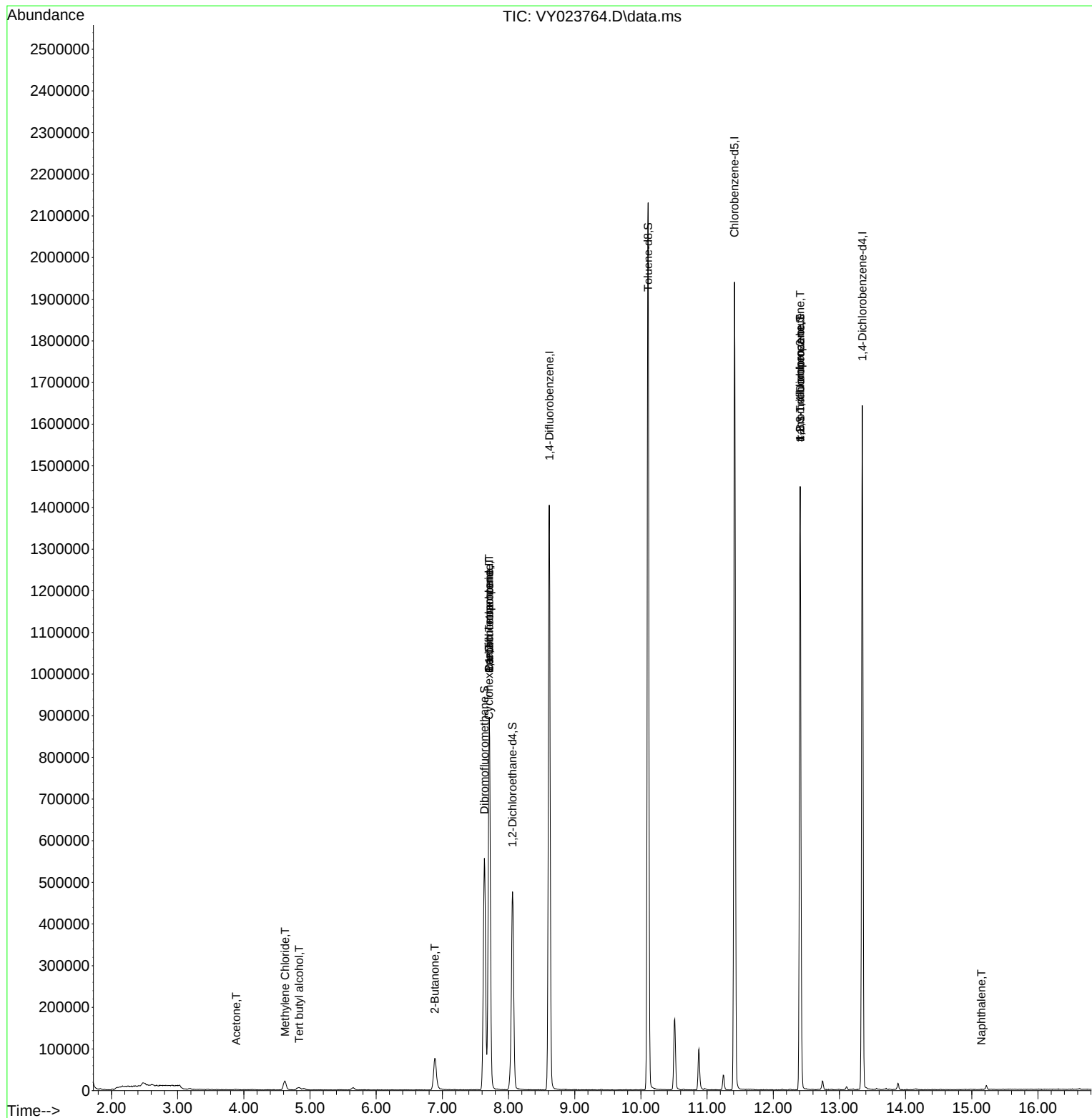
Internal Standards						
1) Pentafluorobenzene	7.707	168	734904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1269960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1079147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	429003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	356298	56.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.680%
35) Dibromofluoromethane	7.634	113	402421	50.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.420%
50) Toluene-d8	10.109	98	1420918	48.063	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.408	95	415391	43.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	6442	15.937	ug/l #	74
16) Acetone	3.885	43	2100	1.348	ug/l #	73
20) Methylene Chloride	4.622	84	17141	2.279	ug/l	96
25) 2-Butanone	6.884	43	4237	2.352	ug/l #	66
31) Cyclohexane	7.701	56	12575	1.217	ug/l #	10
36) 1,1-Dichloropropene	7.707	75	48759	4.598	ug/l #	47
38) Carbon Tetrachloride	7.707	117	68942	5.517	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	207092	59.647	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	207092	134.798	ug/l #	14
95) Naphthalene	15.145	128	310	5.284	ug/l #	69

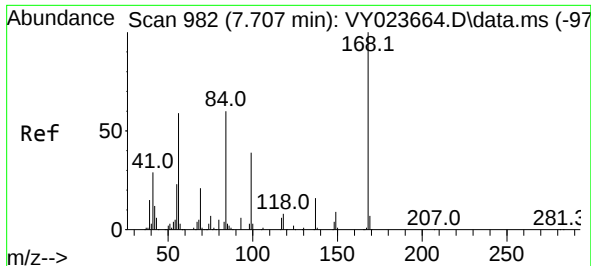
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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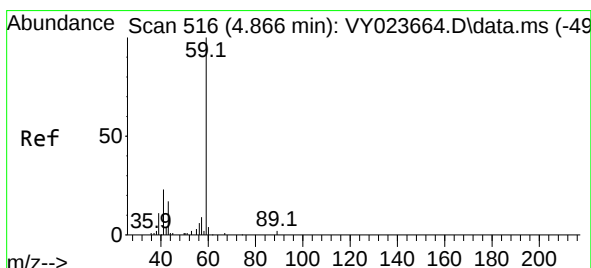
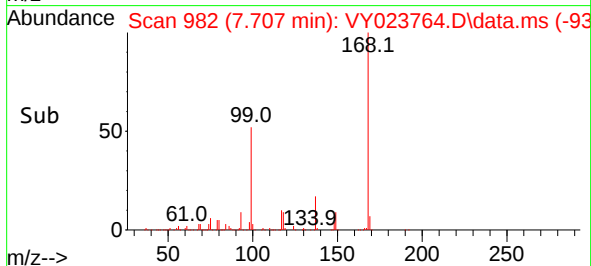
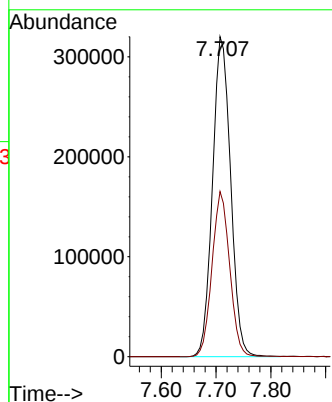
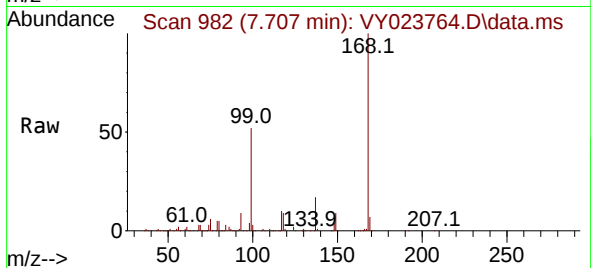




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

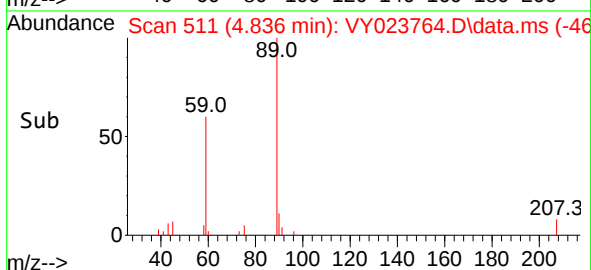
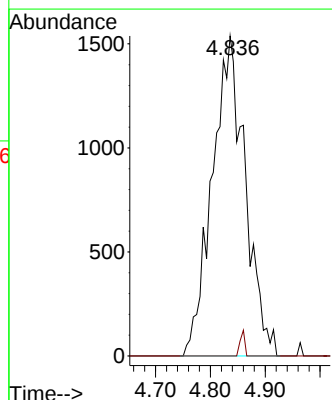
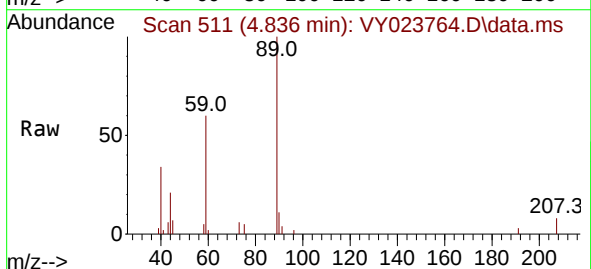
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-02

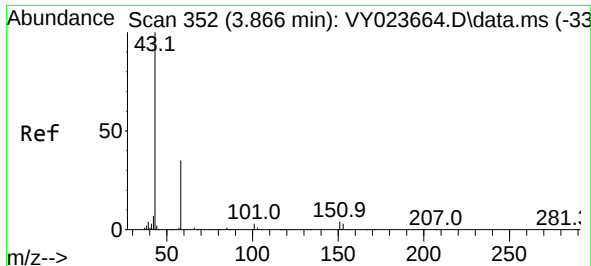
Tgt Ion:168 Resp: 734904
Ion Ratio Lower Upper
168 100
99 51.6 41.0 61.4



#11
Tert butyl alcohol
Concen: 15.937 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 59 Resp: 6442
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

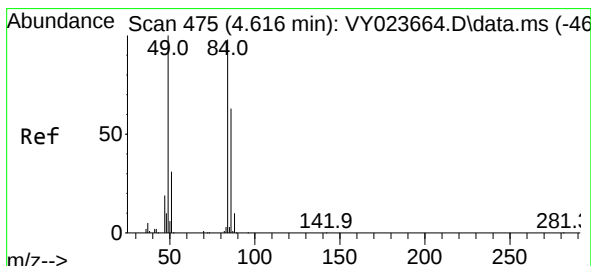
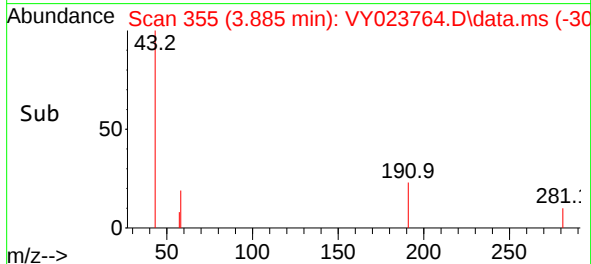
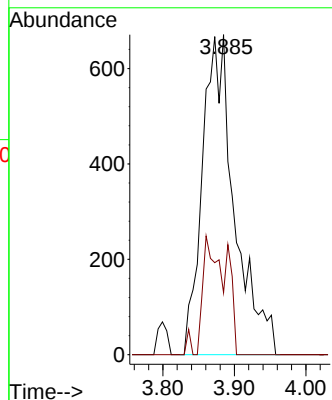
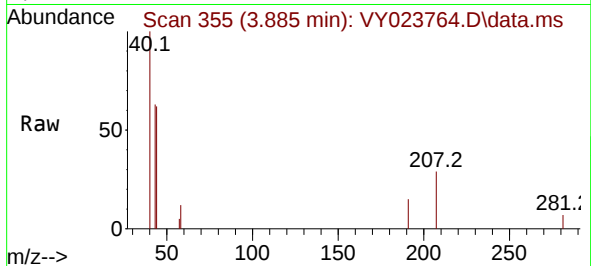




#16
Acetone
Concen: 1.348 ug/l
RT: 3.885 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

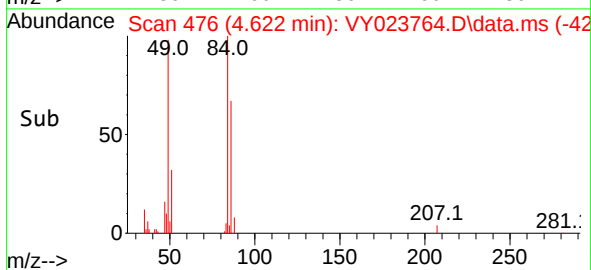
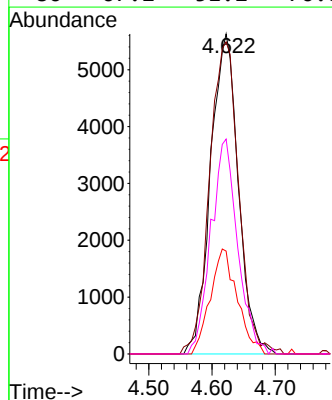
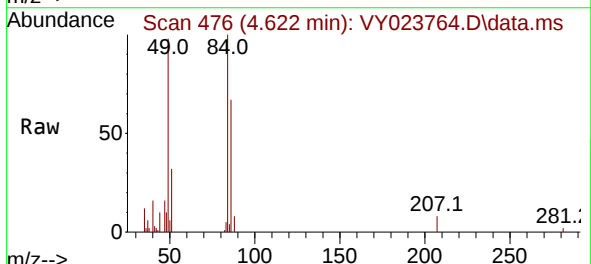
Instrument :
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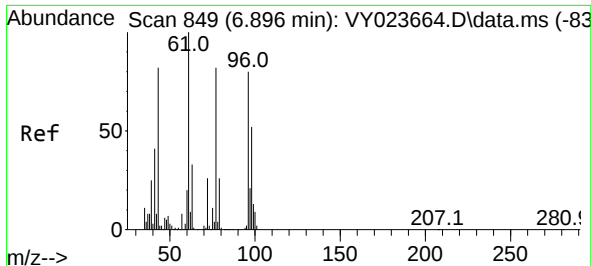
Tgt Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
58 19.4 28.2 42.4#



#20
Methylene Chloride
Concen: 2.279 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 84 Resp: 17141
Ion Ratio Lower Upper
84 100
49 97.5 81.5 122.3
51 32.2 25.5 38.3
86 67.2 51.2 76.8

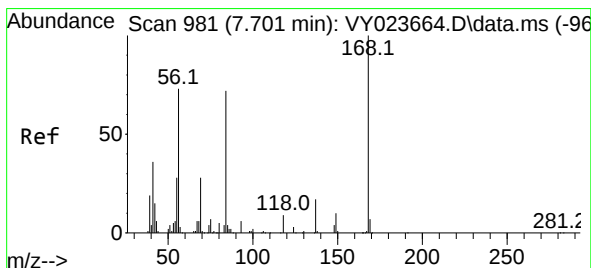
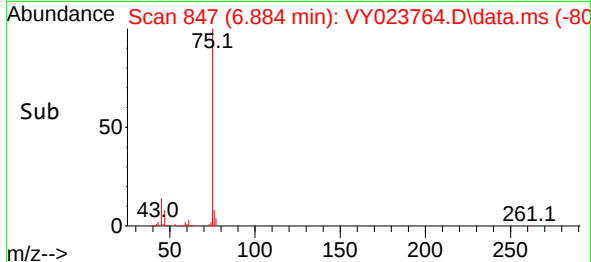
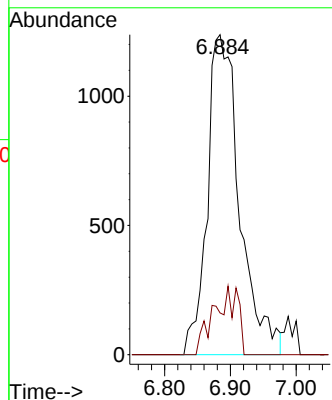
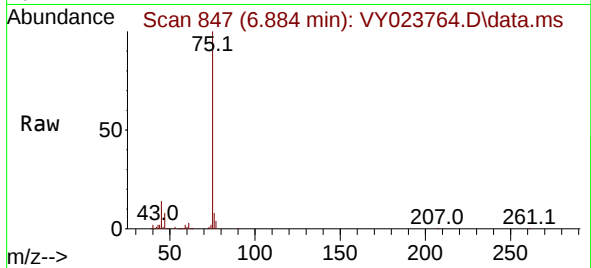




#25
2-Butanone
Concen: 2.352 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

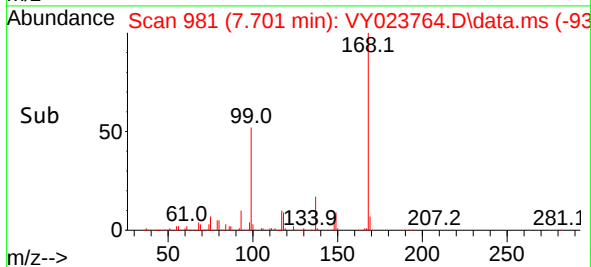
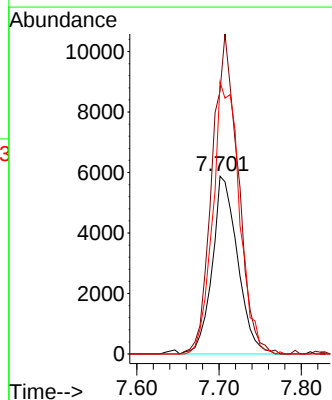
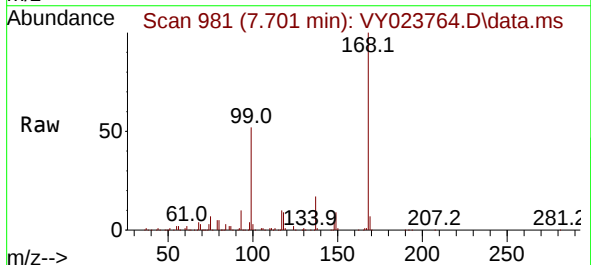
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-02

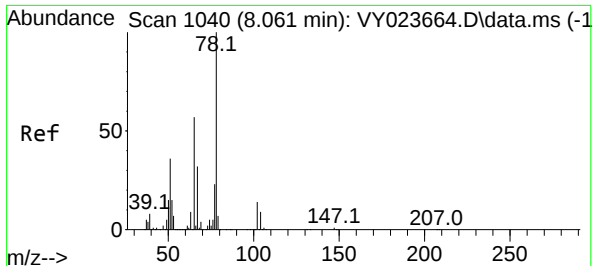
Tgt Ion: 43 Resp: 4237
Ion Ratio Lower Upper
43 100
72 13.1 25.7 38.5#



#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 56 Resp: 12575
Ion Ratio Lower Upper
56 100
69 147.9 30.5 45.7#
84 153.0 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 56.837 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

Instrument :

MSVOA_Y

ClientSampleId :

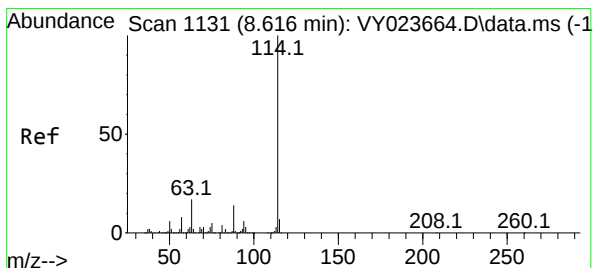
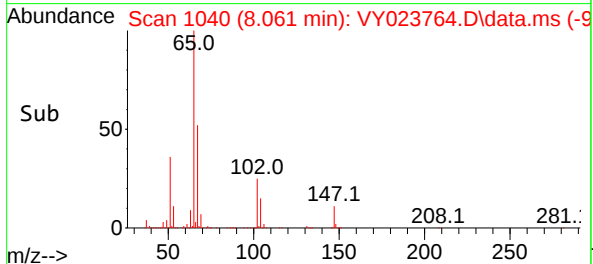
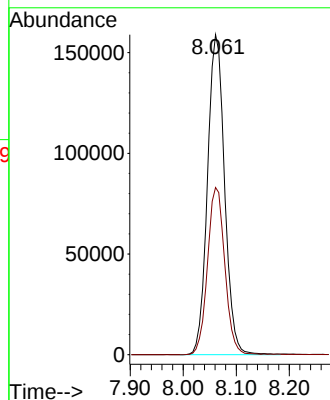
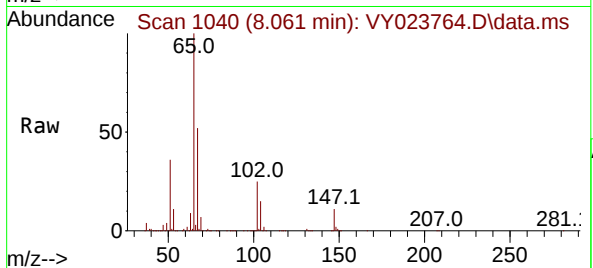
AU-713-VOC-02

Tgt Ion: 65 Resp: 356298

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

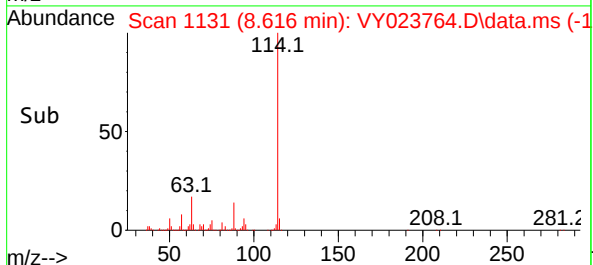
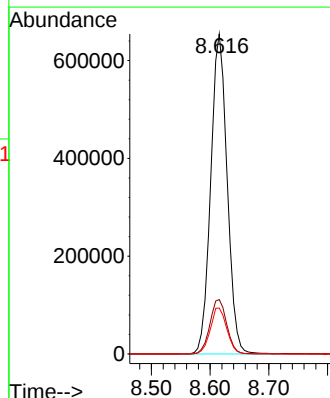
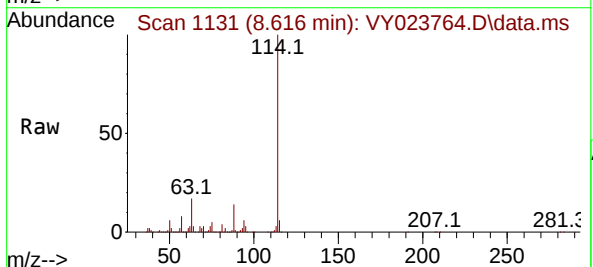
Tgt Ion: 114 Resp: 1269960

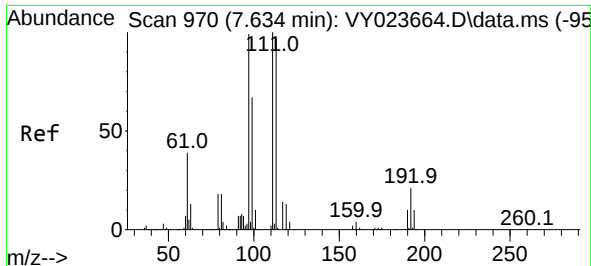
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.706 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

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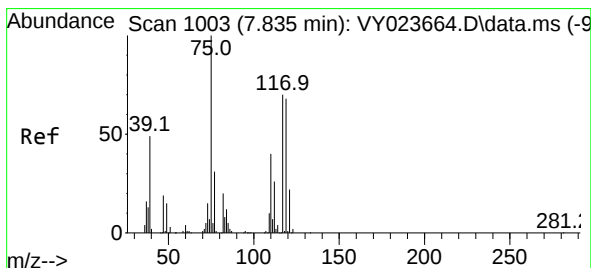
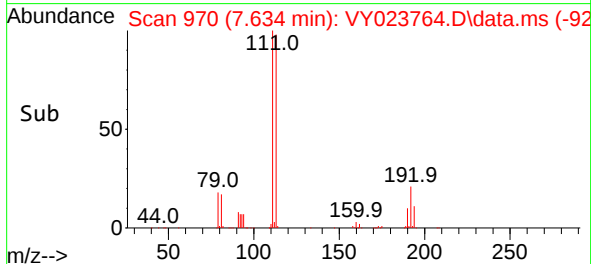
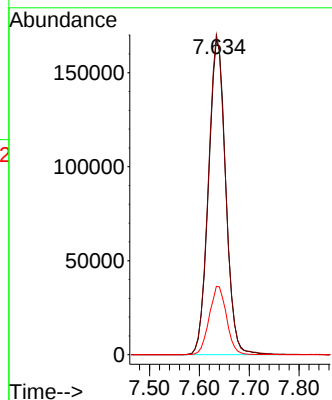
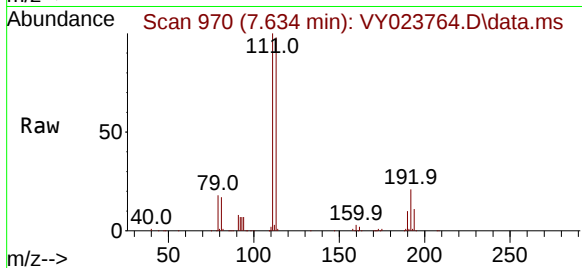
Tgt Ion:113 Resp: 402421

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 21.7 17.3 25.9



#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

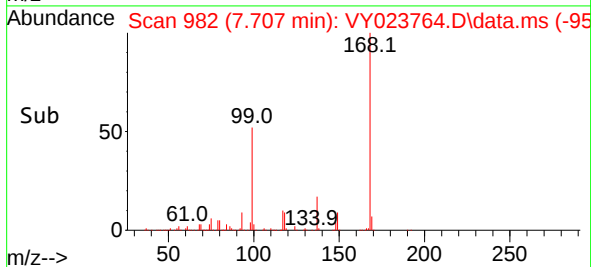
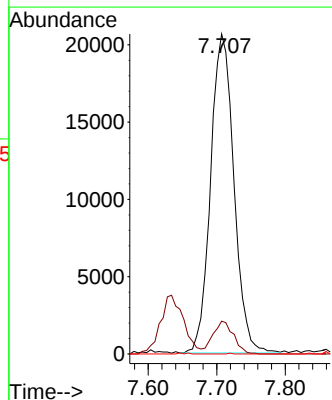
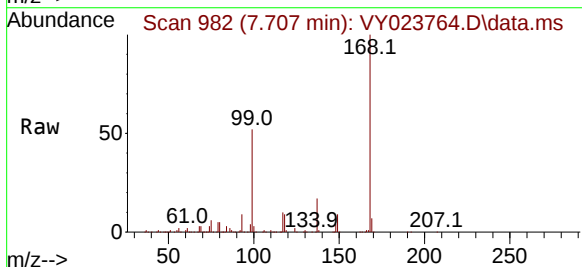
Tgt Ion: 75 Resp: 48759

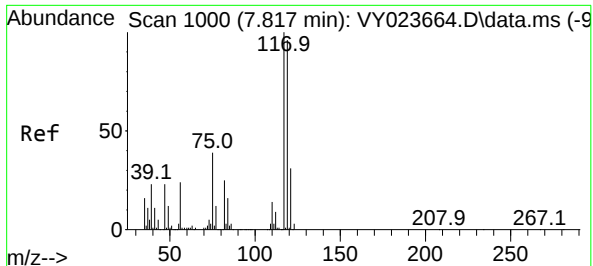
Ion Ratio Lower Upper

75 100

110 9.2 19.7 59.0#

77 0.0 25.2 37.8#

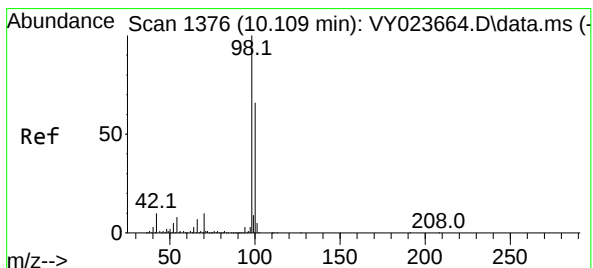
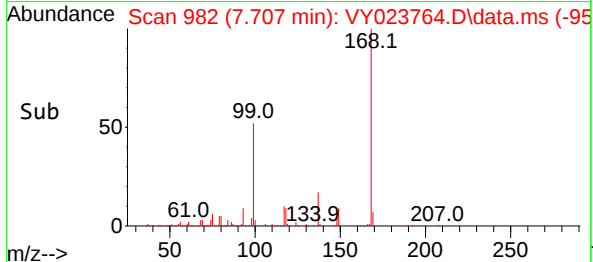
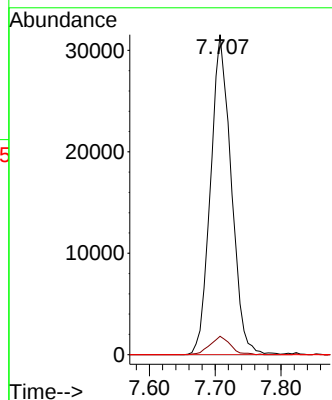
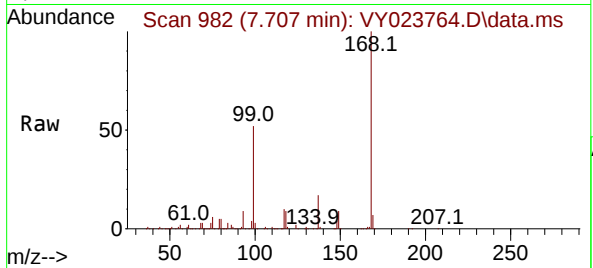




#38
Carbon Tetrachloride
Concen: 5.517 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

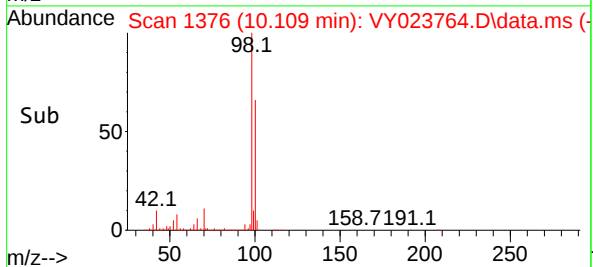
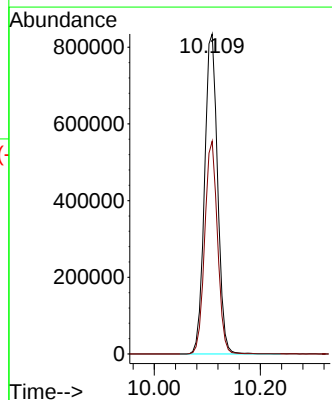
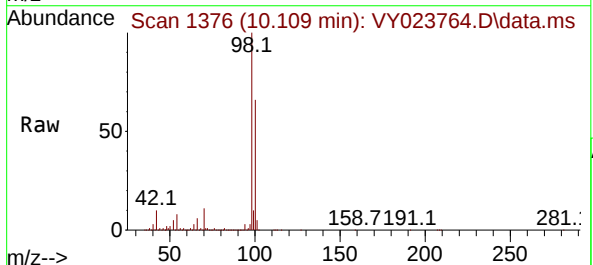
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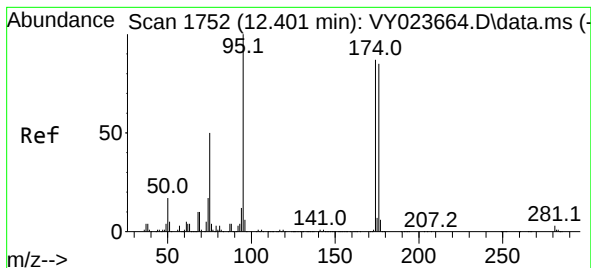
Tgt Ion:117 Resp: 68942
Ion Ratio Lower Upper
117 100
119 5.7 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.063 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 98 Resp: 1420918
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

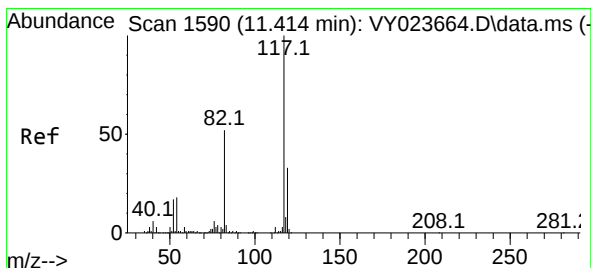
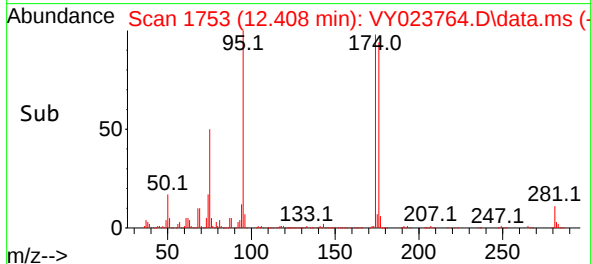
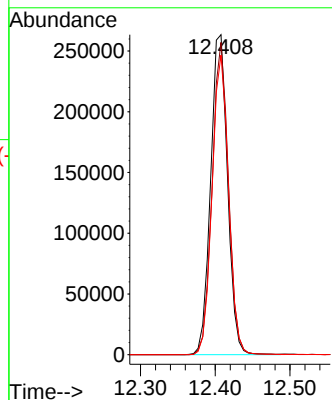
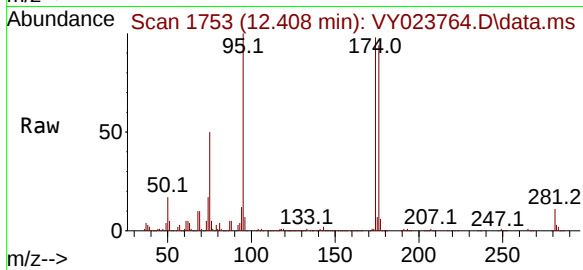




#62
4-Bromofluorobenzene
Concen: 43.448 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

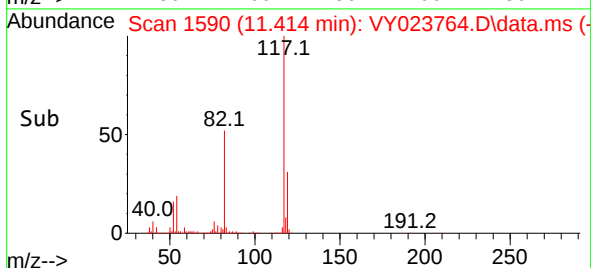
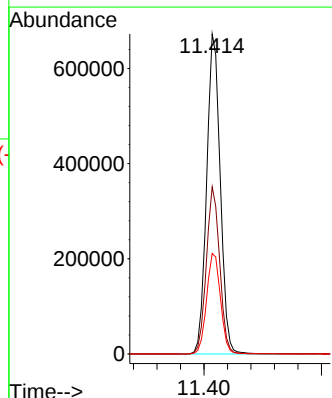
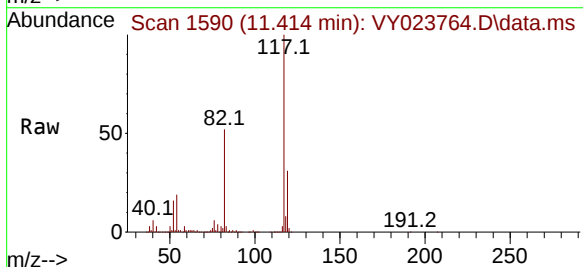
Instrument :
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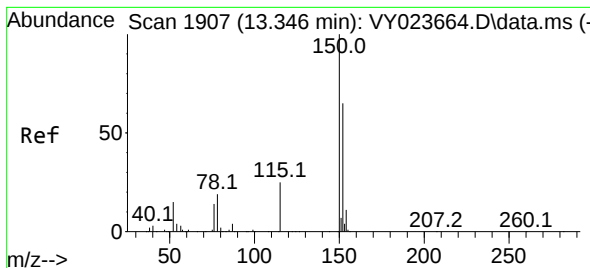
Tgt Ion: 95 Resp: 415391
Ion Ratio Lower Upper
95 100
174 94.0 0.0 184.8
176 91.1 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 117 Resp: 1079147
Ion Ratio Lower Upper
117 100
82 52.3 41.2 61.8
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023764.D

Acq: 12 Nov 2025 15:21

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-02

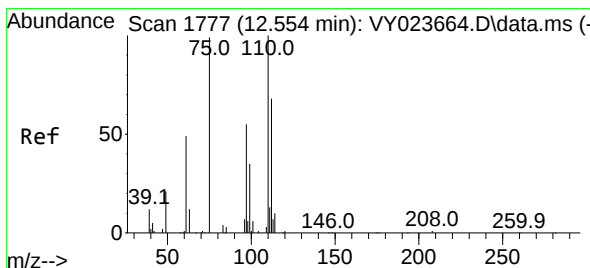
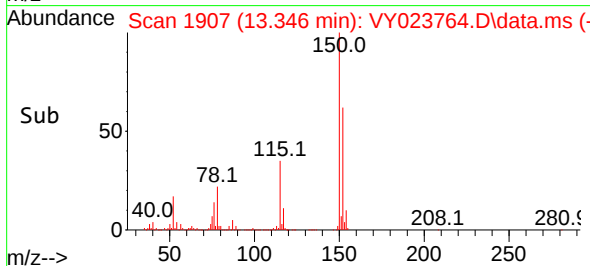
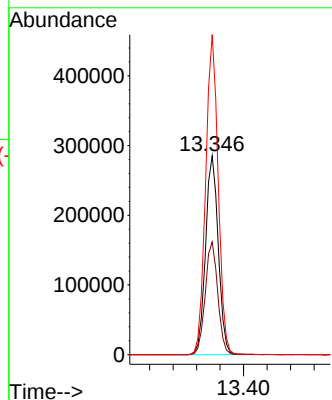
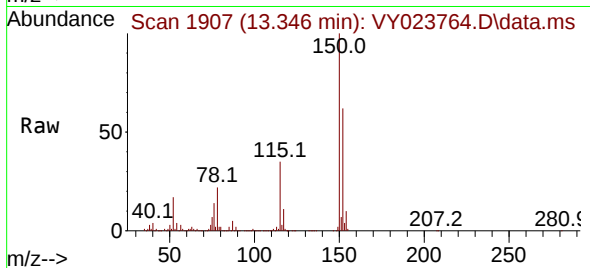
Tgt Ion:152 Resp: 429003

Ion Ratio Lower Upper

152 100

115 55.9 27.5 82.5

150 158.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 59.647 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023764.D

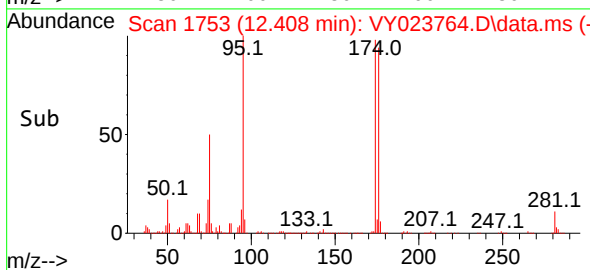
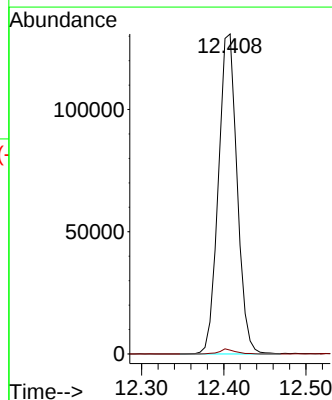
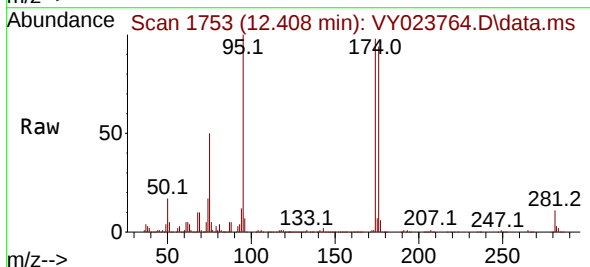
Acq: 12 Nov 2025 15:21

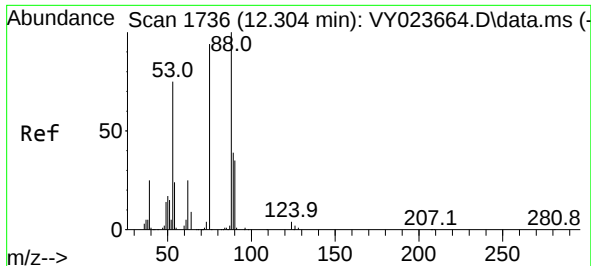
Tgt Ion: 75 Resp: 207092

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

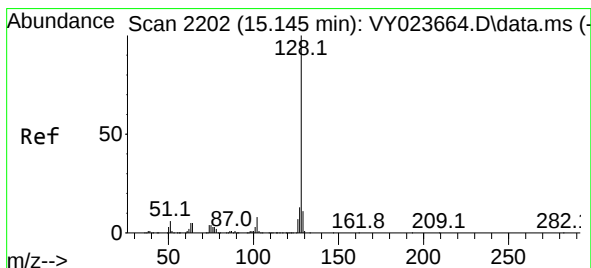
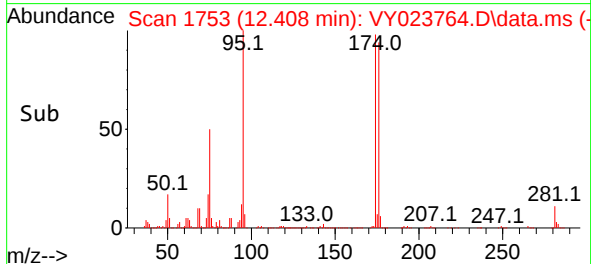
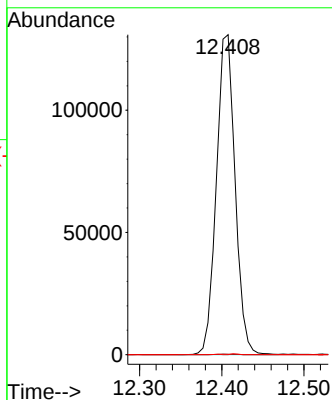
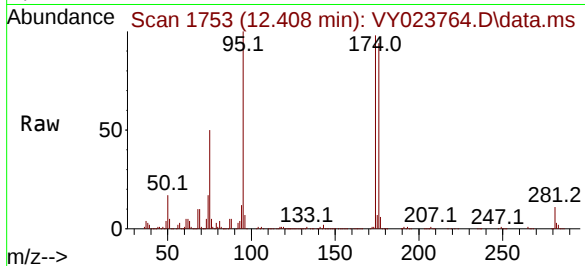




#81
trans-1,4-Dichloro-2-butene
Concen: 134.798 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-02

Tgt Ion: 75 Resp: 207092
Ion Ratio Lower Upper
75 100
53 0.0 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.284 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023764.D
Acq: 12 Nov 2025 15:21

Tgt Ion: 128 Resp: 310
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.8 13.2#

