

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023763.D
 Acq On : 12 Nov 2025 14:57
 Operator : SY/MD
 Sample : Q3609-02
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-01

Quant Time: Nov 14 03:39:26 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)

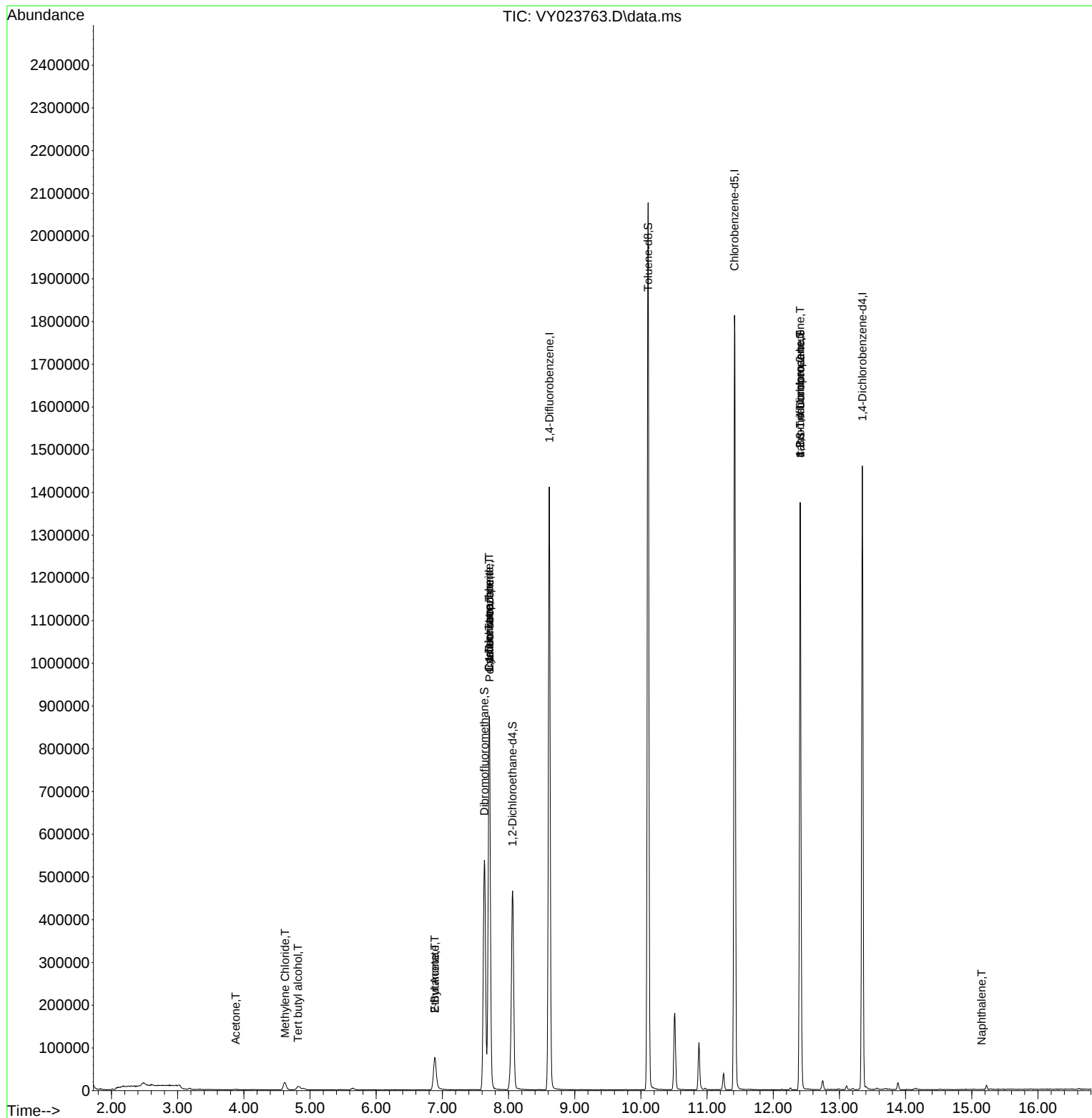
Internal Standards						
1) Pentafluorobenzene	7.713	168	734205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1247183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1040803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	383738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	346842	55.381	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.760%	
35) Dibromofluoromethane	7.634	113	391907	50.283	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.560%	
50) Toluene-d8	10.109	98	1391970	47.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.880%	
62) 4-Bromofluorobenzene	12.408	95	386707	41.187	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.817	59	8388	20.771	ug/l #	74
16) Acetone	3.879	43	2010	1.291	ug/l #	47
20) Methylene Chloride	4.622	84	13663	1.818	ug/l	98
25) 2-Butanone	6.884	43	4221	2.345	ug/l #	82
31) Cyclohexane	7.707	56	12803	1.240	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	48552	4.662	ug/l #	47
37) Ethyl Acetate	6.884	43	4221	1.047	ug/l #	1
38) Carbon Tetrachloride	7.707	117	67363	5.490	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	192440	61.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	192440	140.037	ug/l #	14
95) Naphthalene	15.151	128	485	5.300	ug/l #	77

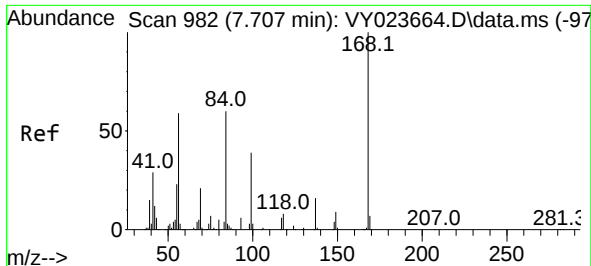
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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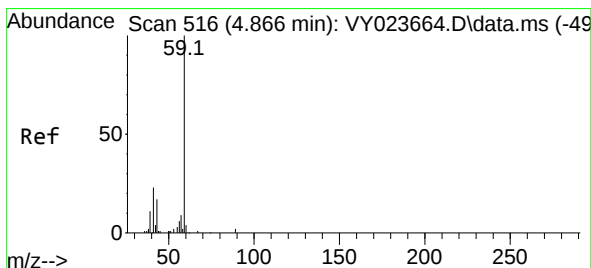
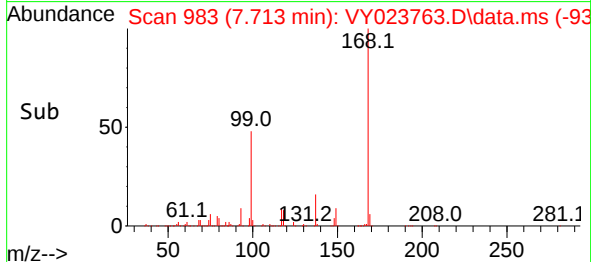
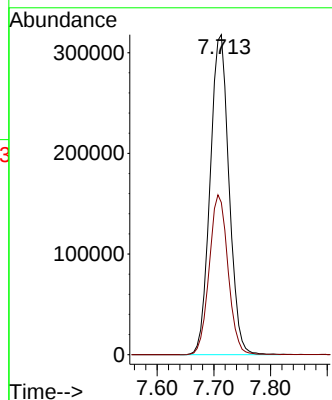
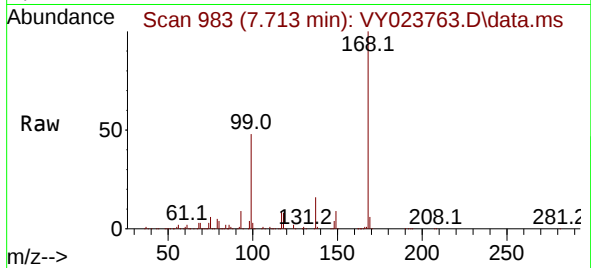




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

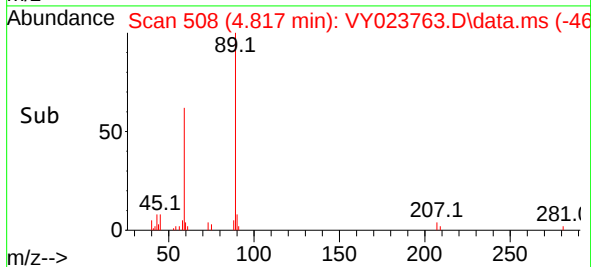
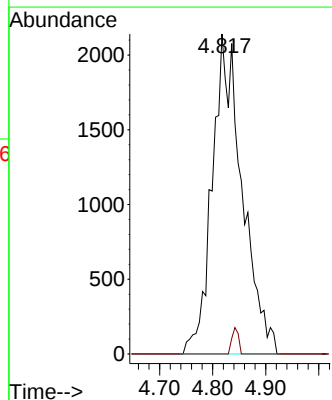
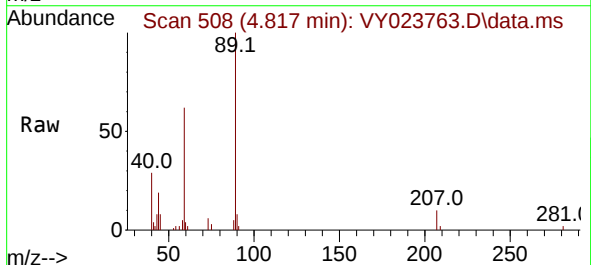
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-01

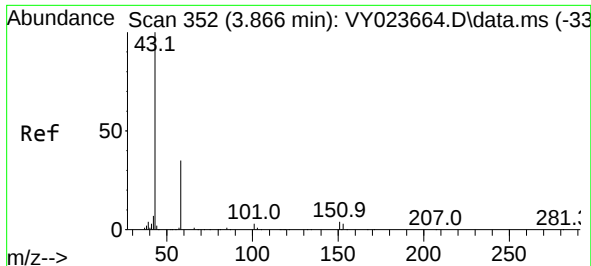
Tgt Ion:168 Resp: 734205
Ion Ratio Lower Upper
168 100
99 47.5 41.0 61.4



#11
Tert butyl alcohol
Concen: 20.771 ug/l
RT: 4.817 min Scan# 508
Delta R.T. -0.049 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion: 59 Resp: 8388
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

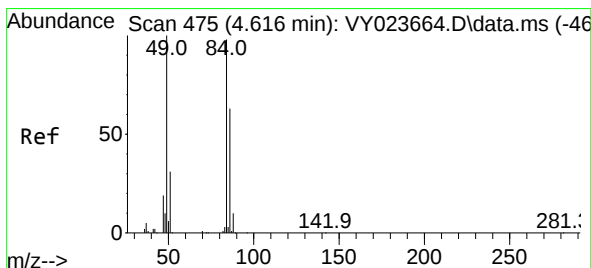
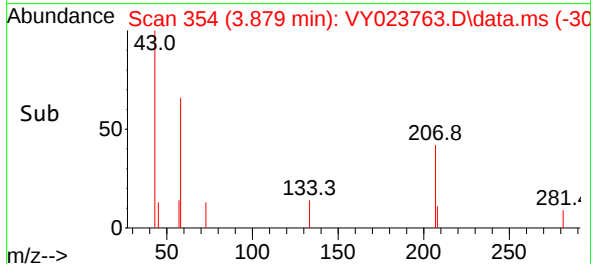
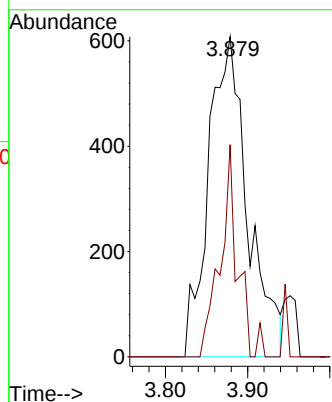
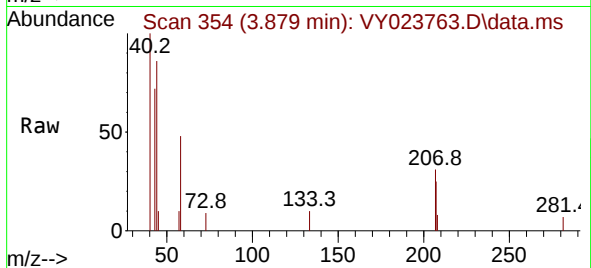




#16
Acetone
Concen: 1.291 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

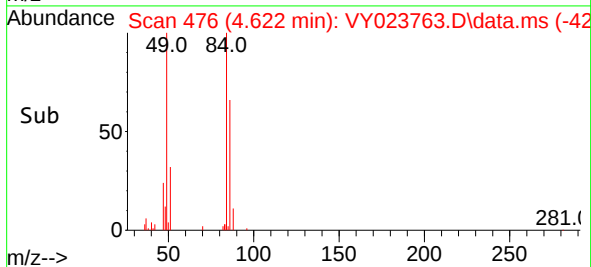
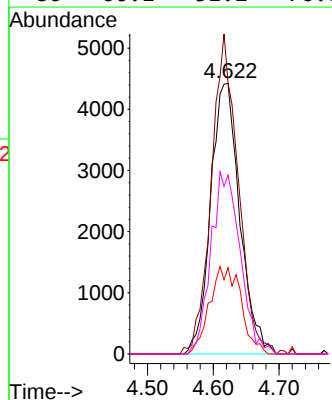
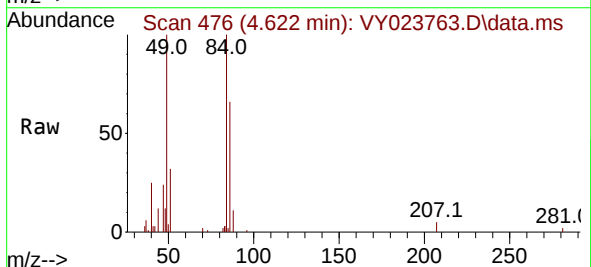
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-01

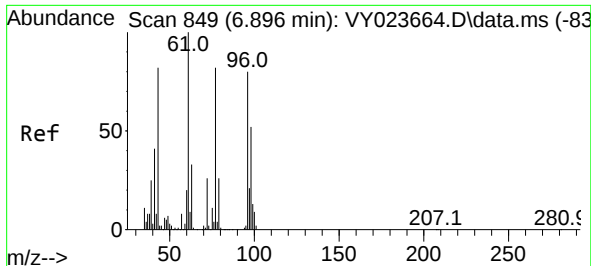
Tgt Ion: 43 Resp: 2010
Ion Ratio Lower Upper
43 100
58 66.3 28.2 42.4#



#20
Methylene Chloride
Concen: 1.818 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion: 84 Resp: 13663
Ion Ratio Lower Upper
84 100
49 100.2 81.5 122.3
51 31.9 25.5 38.3
86 66.1 51.2 76.8

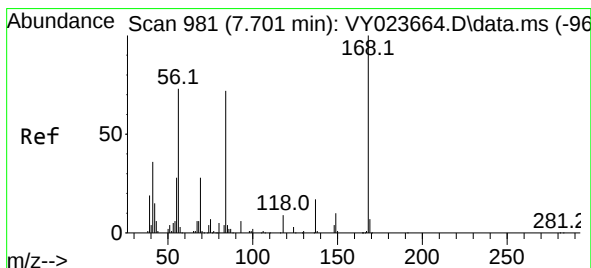
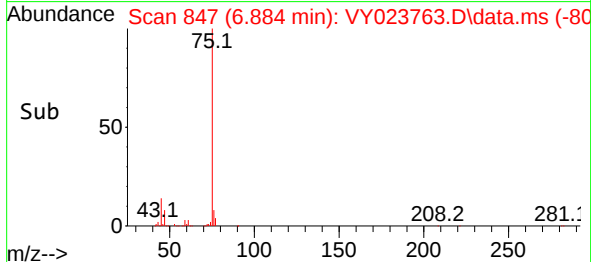
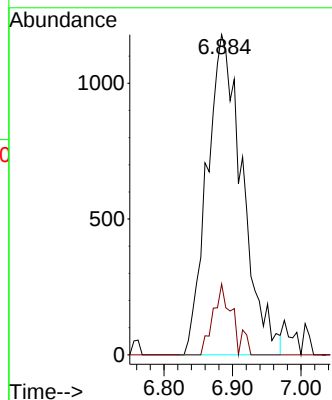
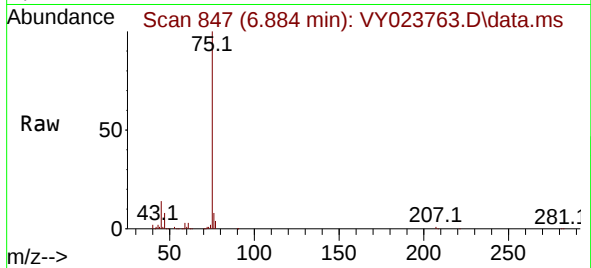




#25
2-Butanone
Concen: 2.345 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

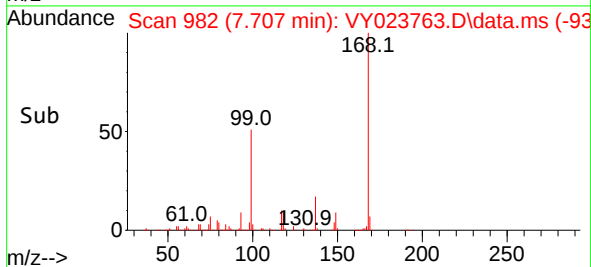
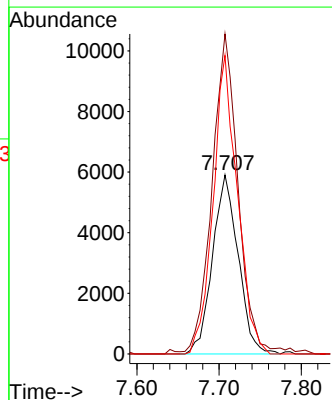
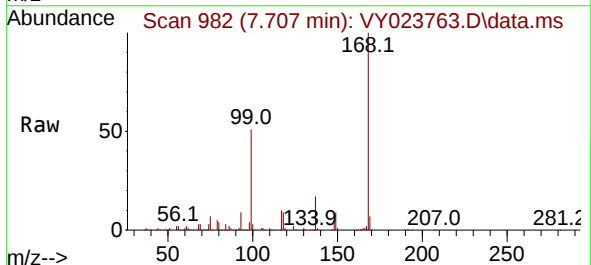
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-01

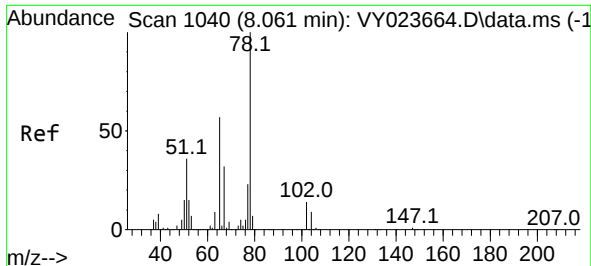
Tgt Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
72 22.1 25.7 38.5#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion: 56 Resp: 12803
Ion Ratio Lower Upper
56 100
69 177.5 30.5 45.7#
84 166.8 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 55.381 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY023763.D

Acq: 12 Nov 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

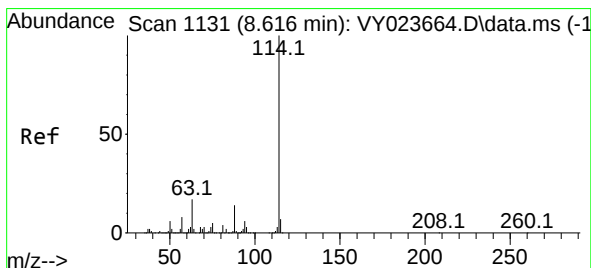
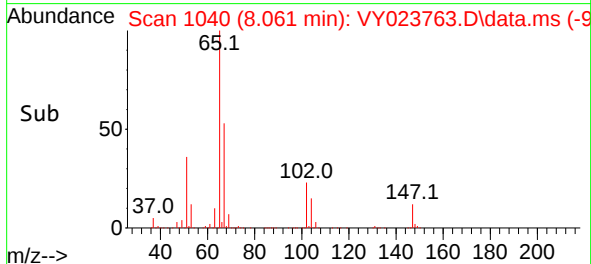
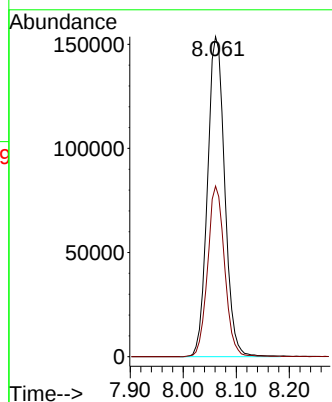
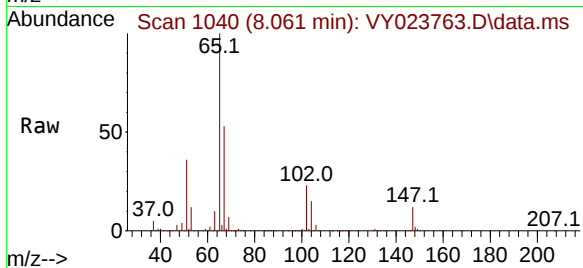
AU-713-VOC-01

Tgt Ion: 65 Resp: 346842

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023763.D

Acq: 12 Nov 2025 14:57

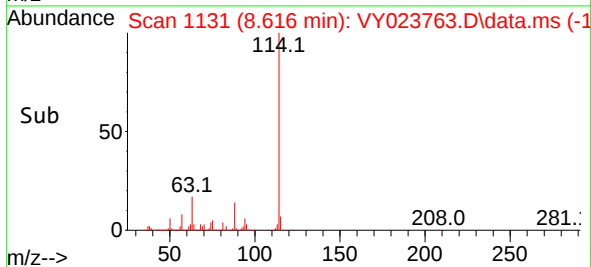
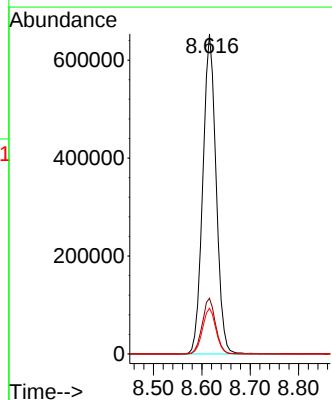
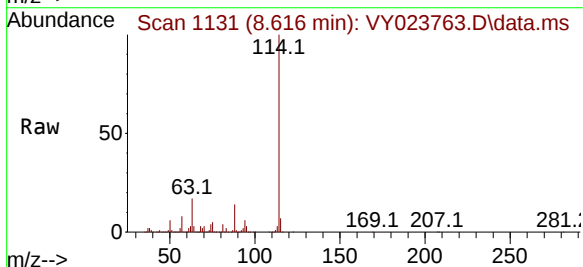
Tgt Ion: 114 Resp: 1247183

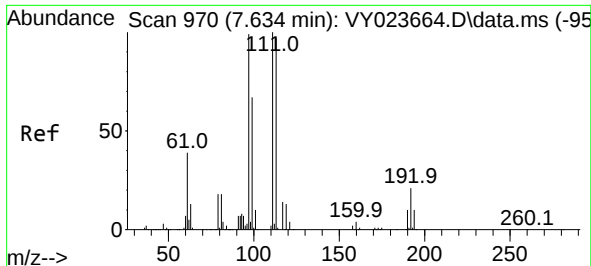
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.8

88 14.3 0.0 29.0

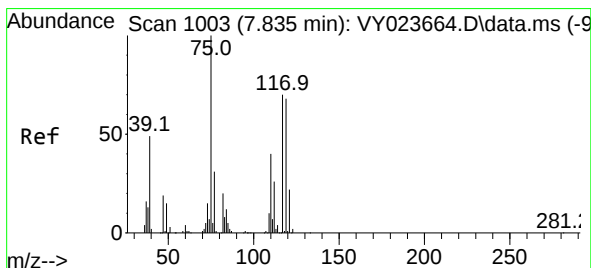
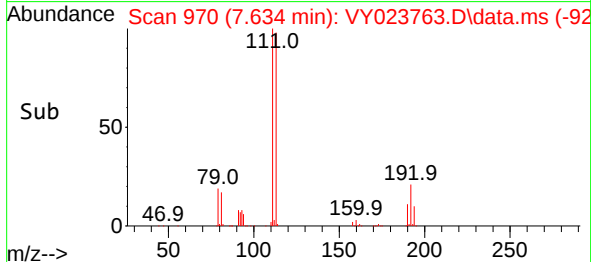
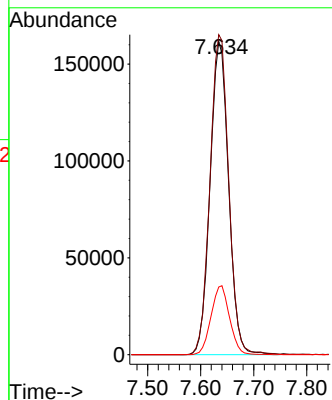
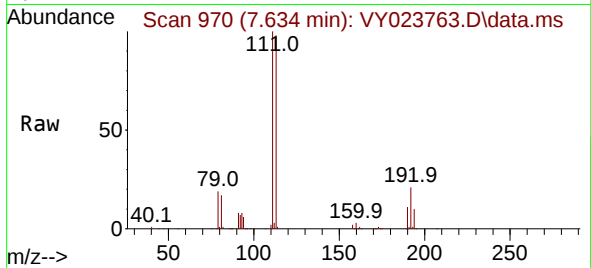




#35
Dibromofluoromethane
Concen: 50.283 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

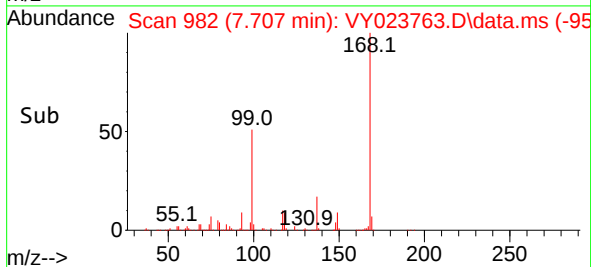
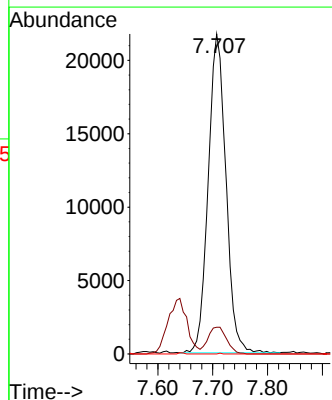
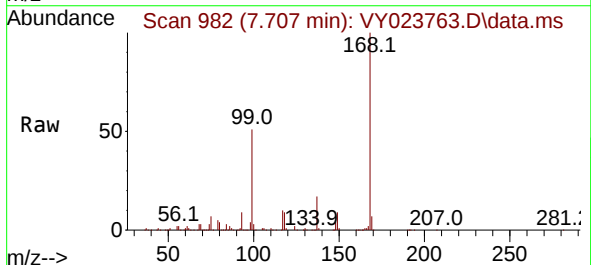
Instrument :
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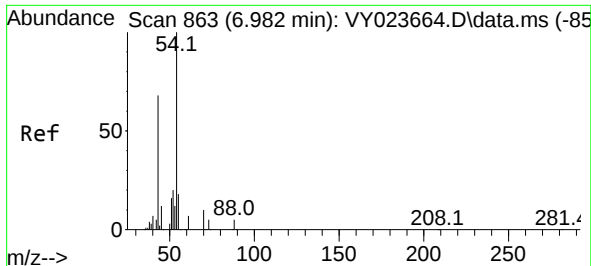
Tgt Ion:113 Resp: 391907
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 22.0 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.662 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion: 75 Resp: 48552
Ion Ratio Lower Upper
75 100
110 8.9 19.7 59.0#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.047 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY023763.D

Acq: 12 Nov 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-01

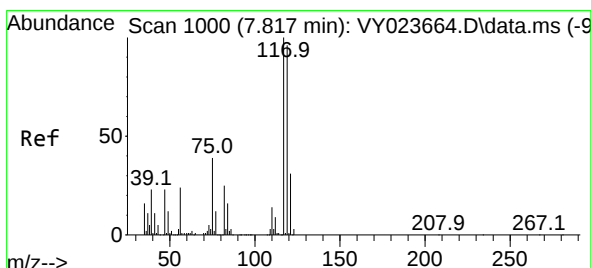
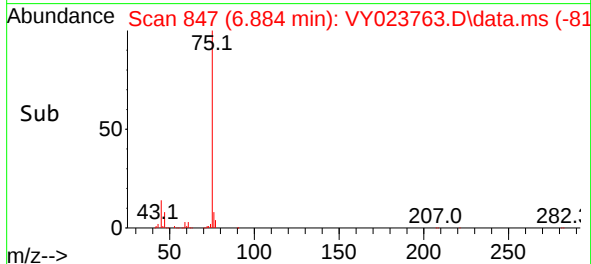
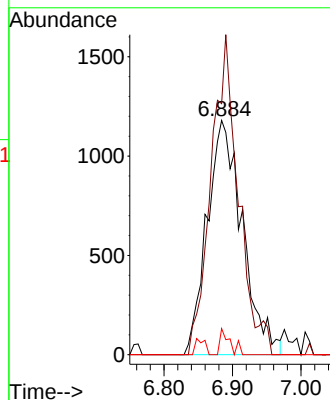
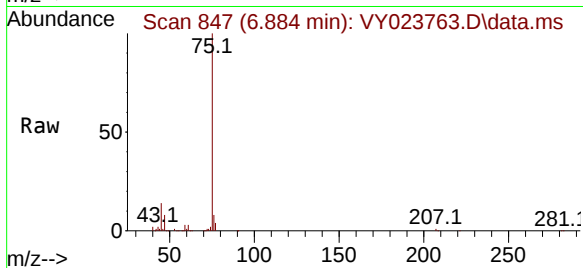
Tgt Ion: 43 Resp: 4221

Ion Ratio Lower Upper

43 100

61 106.1 12.4 18.6#

70 3.1 9.8 14.8#



#38

Carbon Tetrachloride

Concen: 5.490 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023763.D

Acq: 12 Nov 2025 14:57

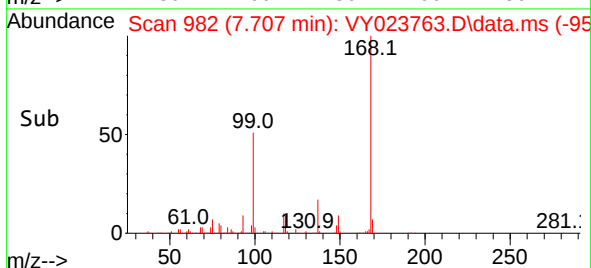
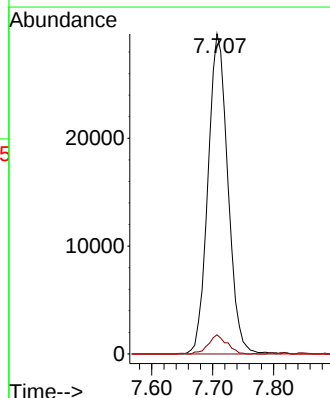
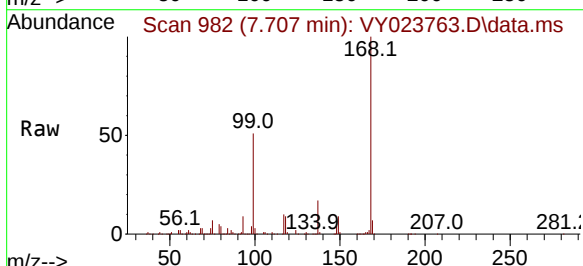
Tgt Ion: 117 Resp: 67363

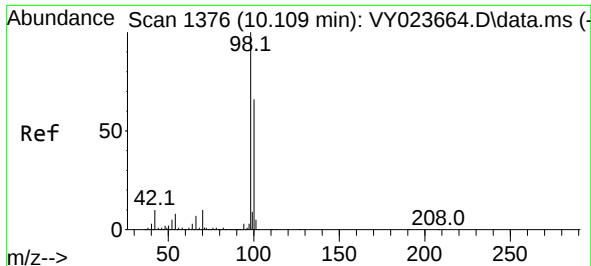
Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

121 0.0 24.8 37.2#

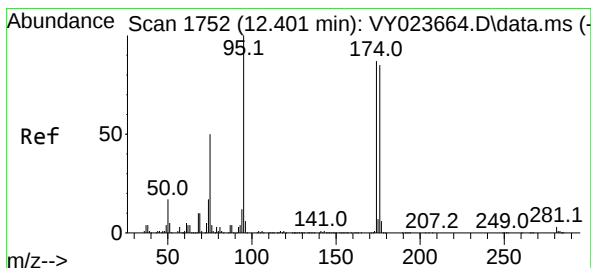
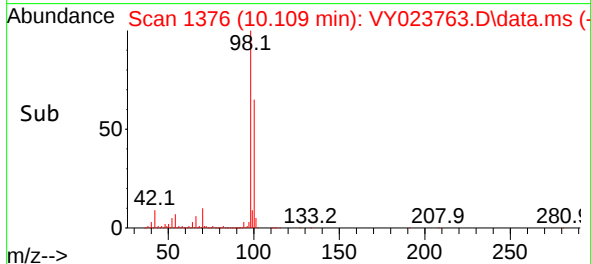
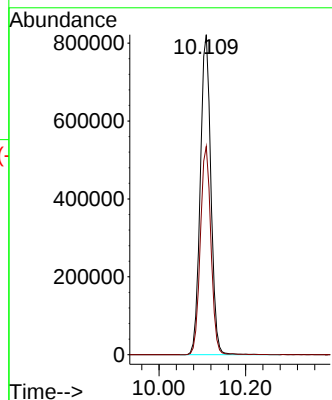
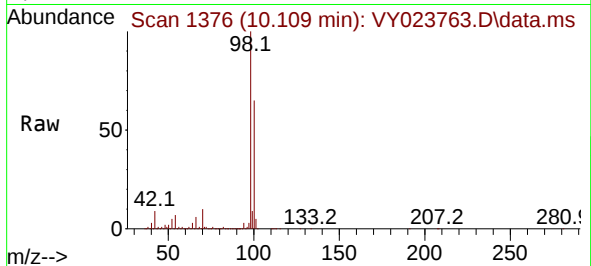




#50
Toluene-d8
Concen: 47.944 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

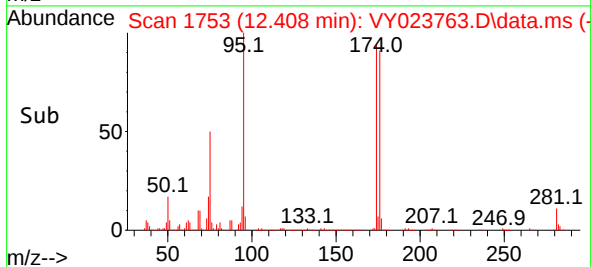
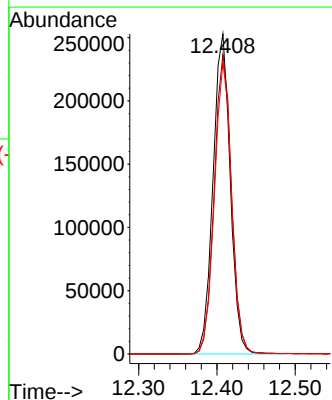
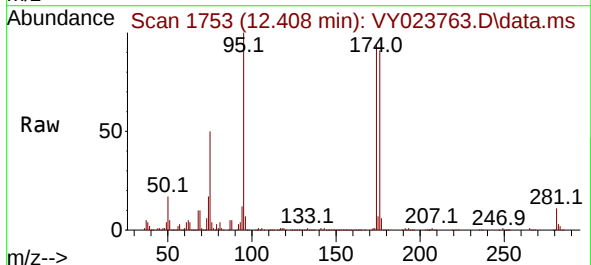
Instrument :
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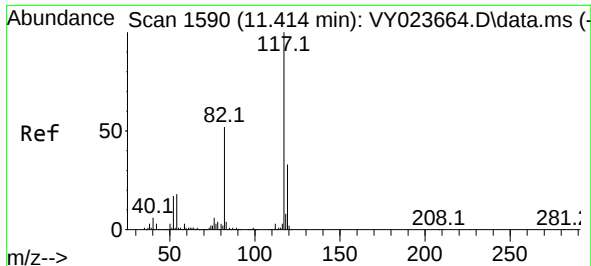
Tgt Ion: 98 Resp: 1391970
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.187 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion: 95 Resp: 386707
Ion Ratio Lower Upper
95 100
174 94.2 0.0 184.8
176 91.1 0.0 181.6

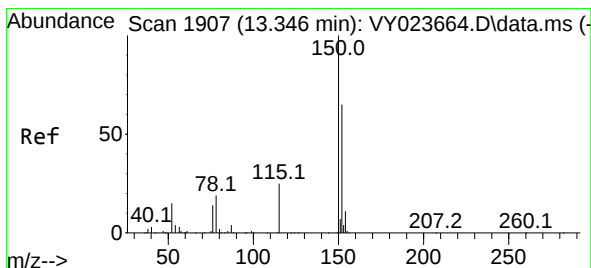
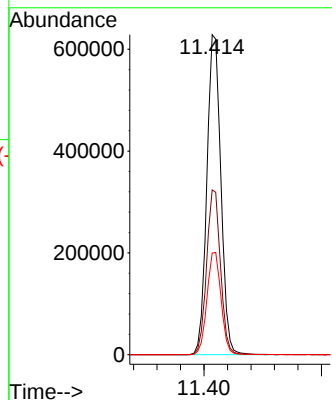
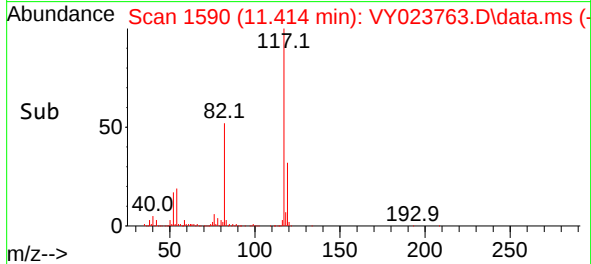
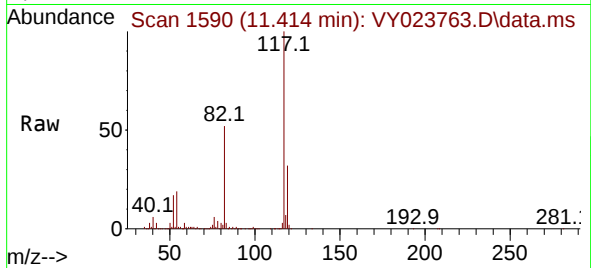




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

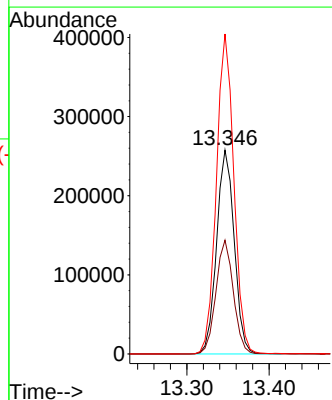
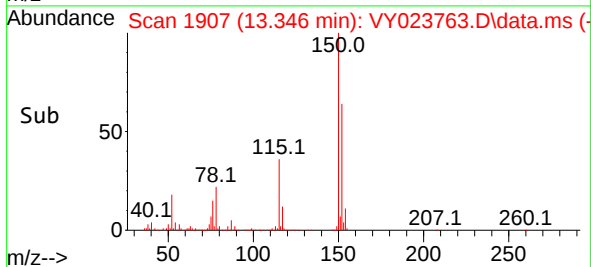
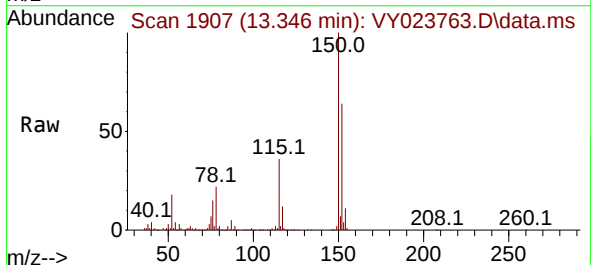
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-01

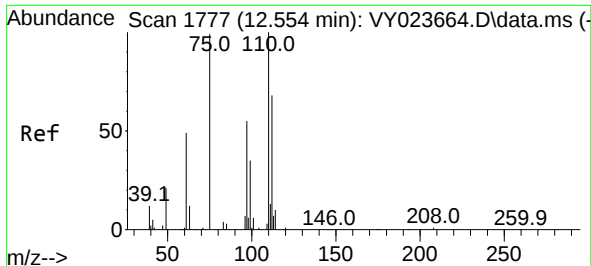
Tgt Ion:117 Resp: 1040803
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion:152 Resp: 383738
Ion Ratio Lower Upper
152 100
115 55.4 27.5 82.5
150 155.6 0.0 349.0

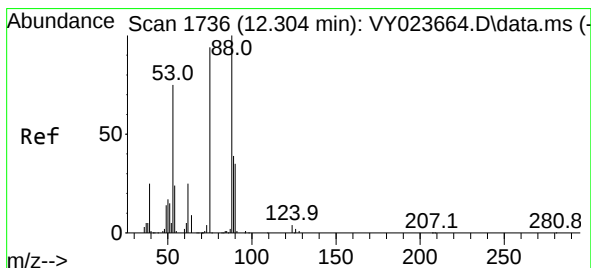
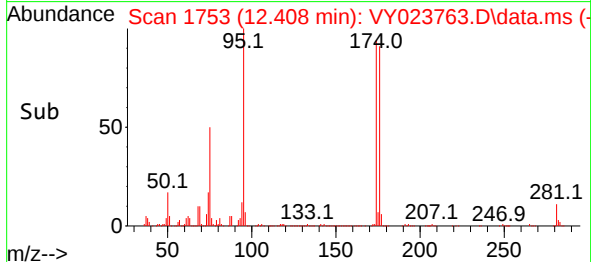
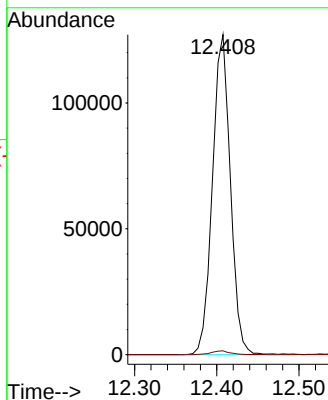
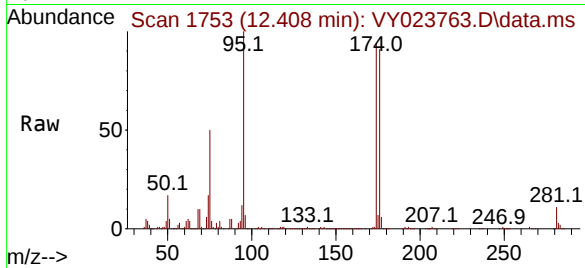




#76
1,2,3-Trichloropropane
Concen: 61.965 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

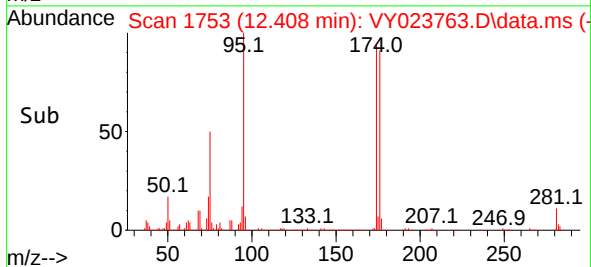
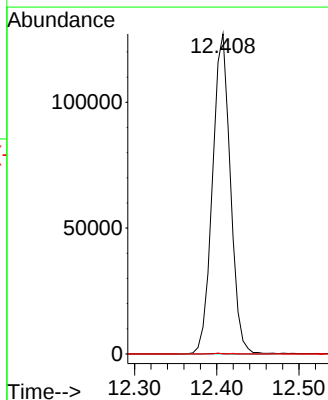
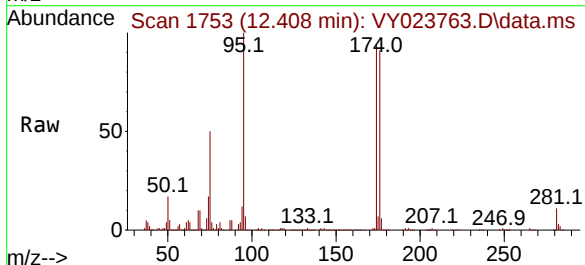
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-01

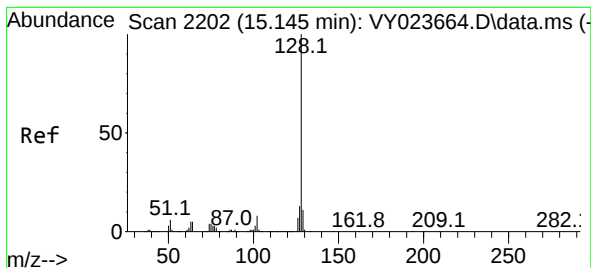
Tgt Ion: 75 Resp: 192440
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.037 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023763.D
Acq: 12 Nov 2025 14:57

Tgt Ion: 75 Resp: 192440
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.1 38.2 57.4#





#95

Naphthalene

Concen: 5.300 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023763.D

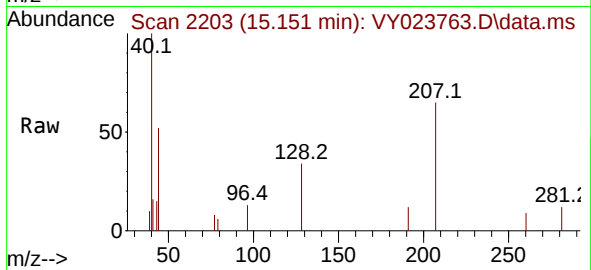
Acq: 12 Nov 2025 14:57

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-01



Tgt Ion:128 Resp: 485

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 15.1 8.8 13.2#

