

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023766.D
 Acq On : 12 Nov 2025 16:08
 Operator : SY/MD
 Sample : Q3609-11
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-04

Quant Time: Nov 14 03:40:25 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)

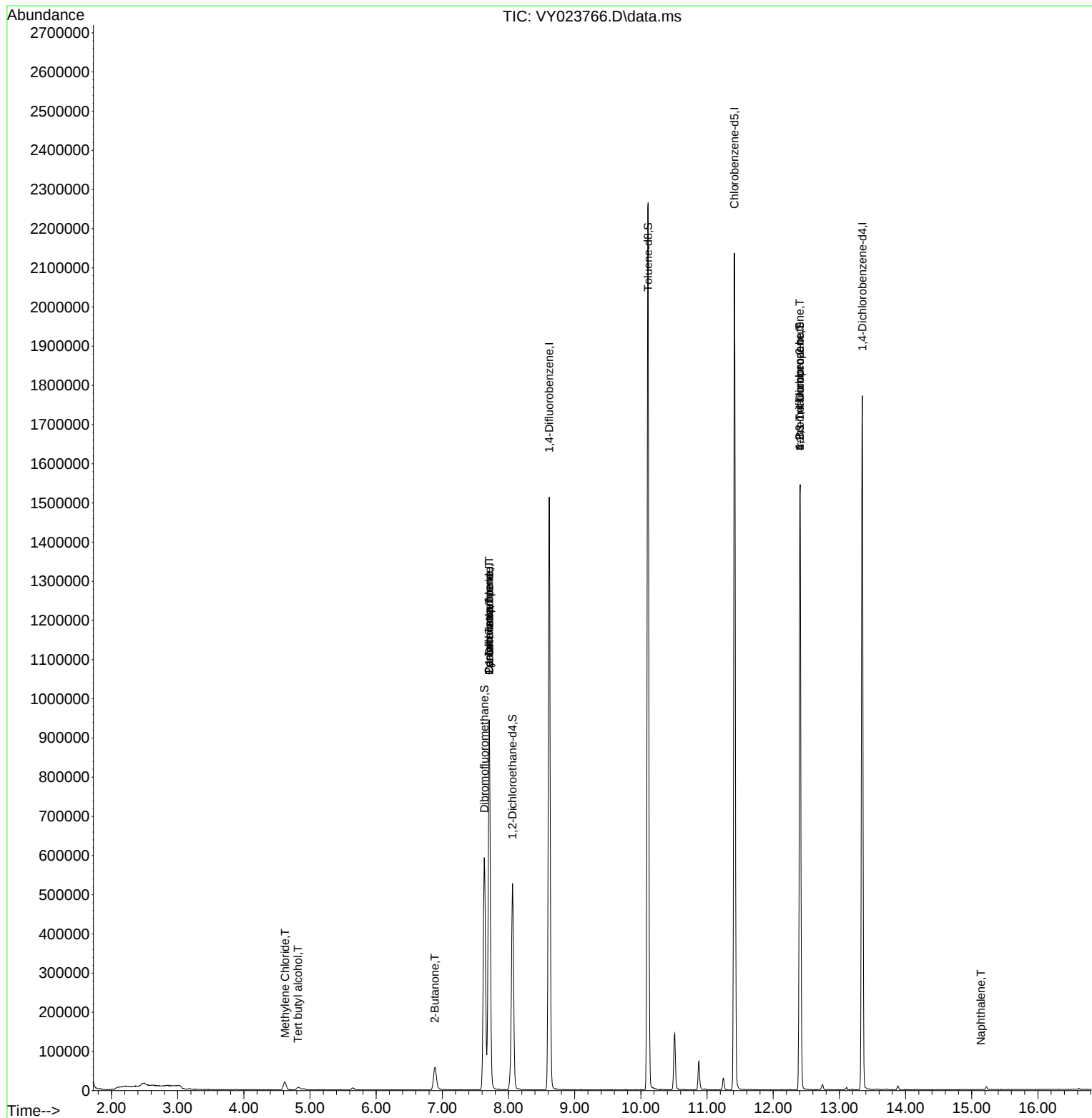
Internal Standards						
1) Pentafluorobenzene	7.707	168	759244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1331691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1185801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	484603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	388631	60.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.020%	
35) Dibromofluoromethane	7.634	113	427929	51.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.840%	
50) Toluene-d8	10.109	98	1513882	48.834	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.660%	
62) 4-Bromofluorobenzene	12.402	95	464808	46.363	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.818	59	6455	15.457	ug/l #	75
20) Methylene Chloride	4.622	84	15943	2.051	ug/l	91
25) 2-Butanone	6.884	43	3309	1.778	ug/l #	52
31) Cyclohexane	7.707	56	13222	1.239	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	50844	4.572	ug/l #	48
38) Carbon Tetrachloride	7.707	117	73040	5.574	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	231799	59.103	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	231799	133.569	ug/l #	14
95) Naphthalene	15.139	128	163	5.272	ug/l #	69

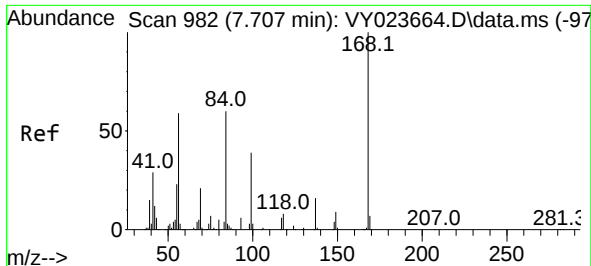
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
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QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

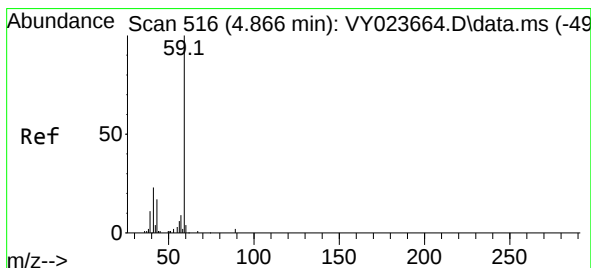
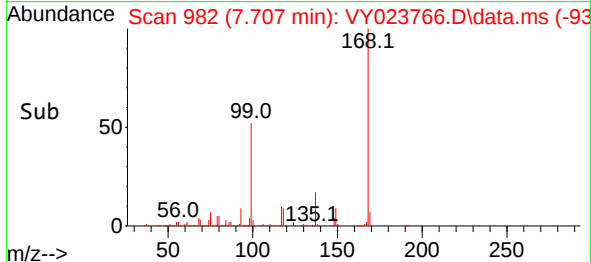
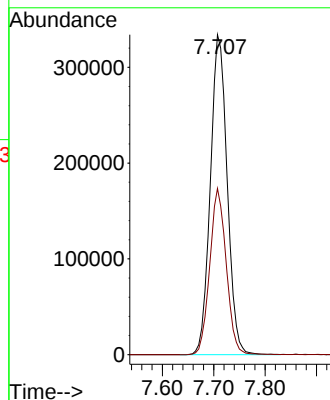
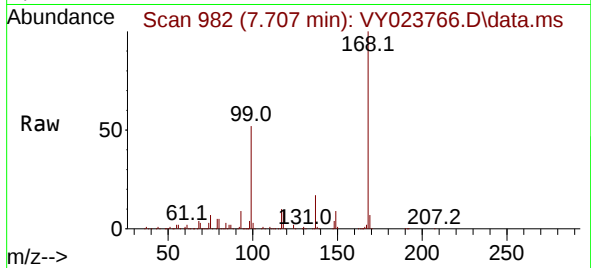




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

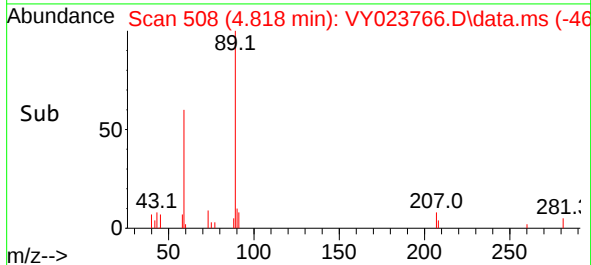
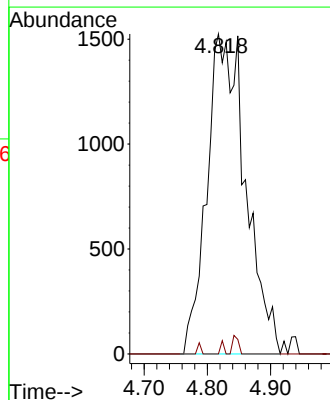
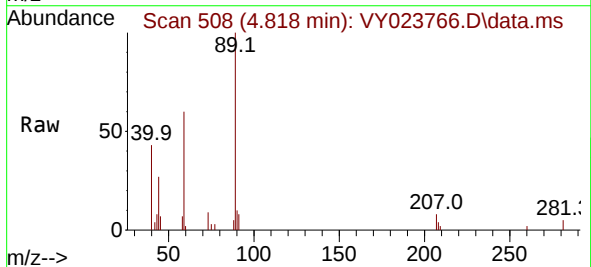
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-04

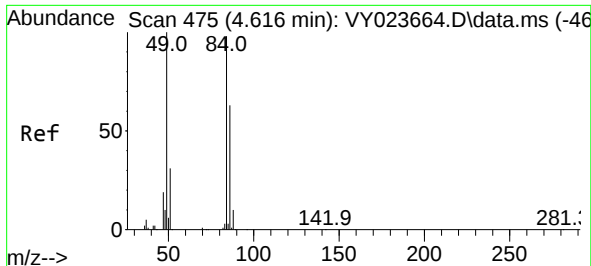
Tgt Ion:168 Resp: 759244
Ion Ratio Lower Upper
168 100
99 51.9 41.0 61.4



#11
Tert butyl alcohol
Concen: 15.457 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.049 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion: 59 Resp: 6455
Ion Ratio Lower Upper
59 100
57 0.4 7.4 11.2#

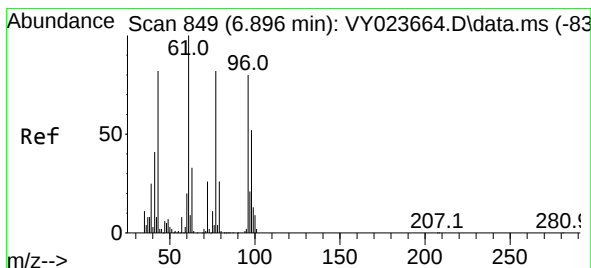
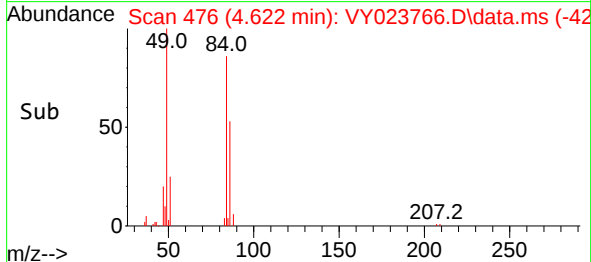
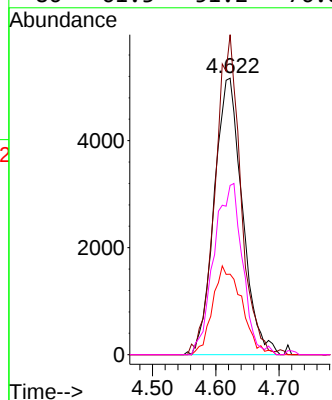
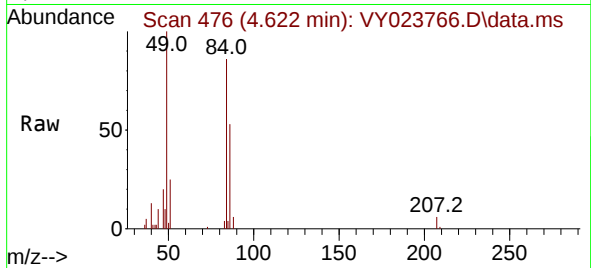




#20
Methylene Chloride
Concen: 2.051 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

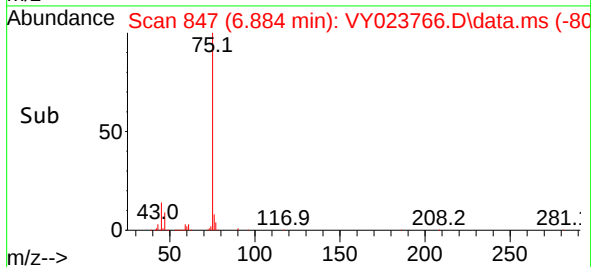
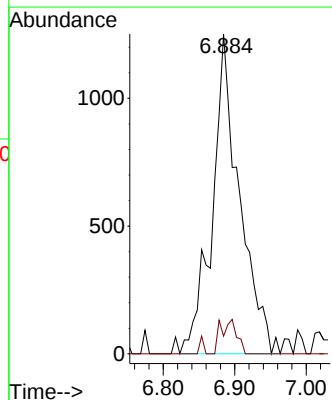
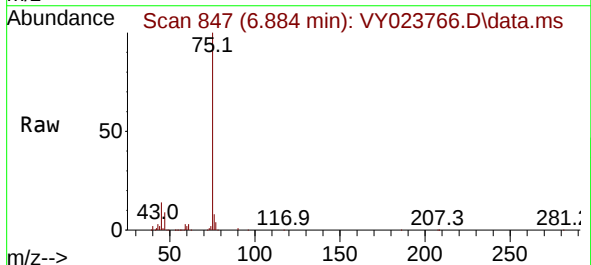
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-04

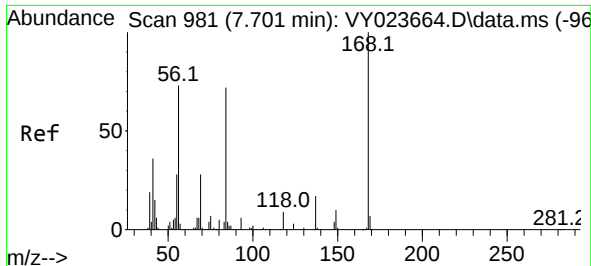
Tgt Ion:	84	Resp:	15943
Ion	Ratio	Lower	Upper
84	100		
49	115.7	81.5	122.3
51	29.1	25.5	38.3
86	61.3	51.2	76.8



#25
2-Butanone
Concen: 1.778 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion:	43	Resp:	3309
Ion	Ratio	Lower	Upper
43	100		
72	5.5	25.7	38.5#

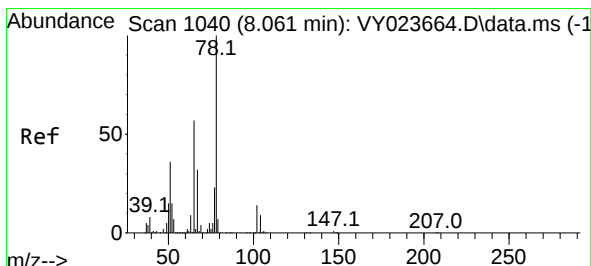
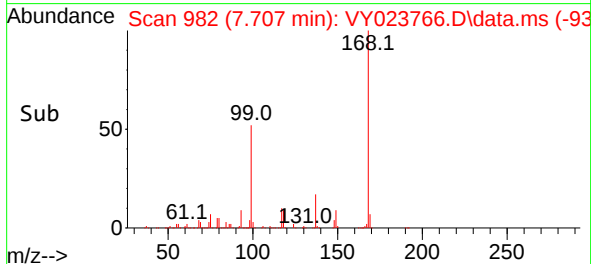
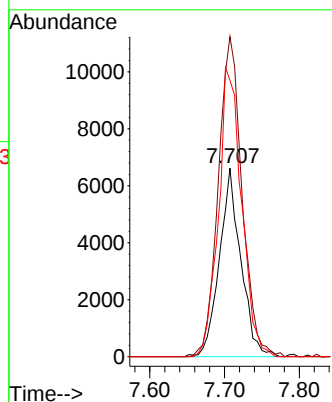
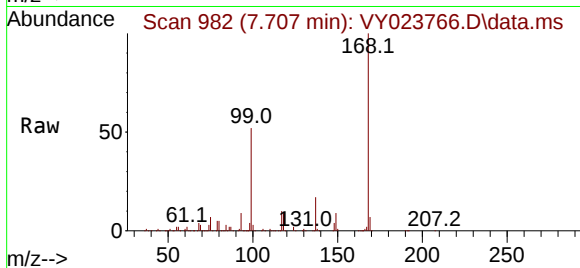




#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

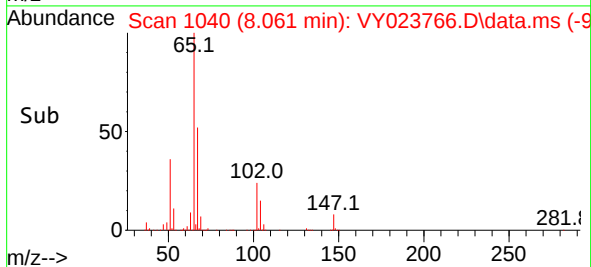
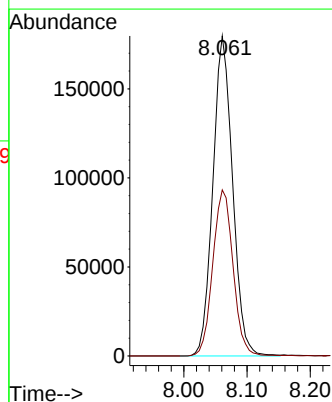
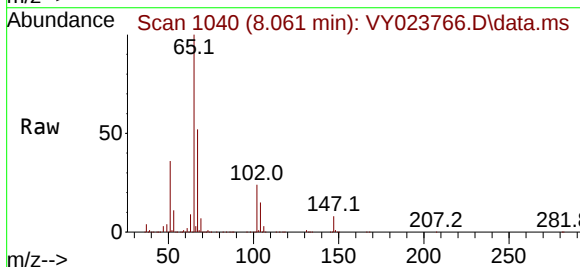
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-04

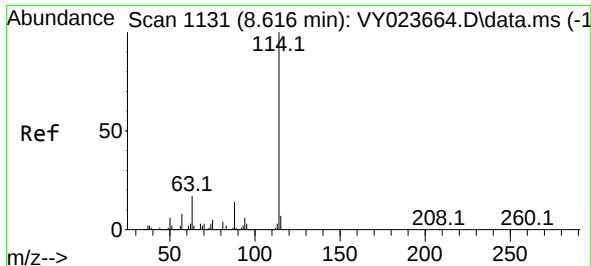
Tgt Ion: 56 Resp: 13222
Ion Ratio Lower Upper
56 100
69 169.8 30.5 45.7#
84 146.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 60.007 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion: 65 Resp: 388631
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.4

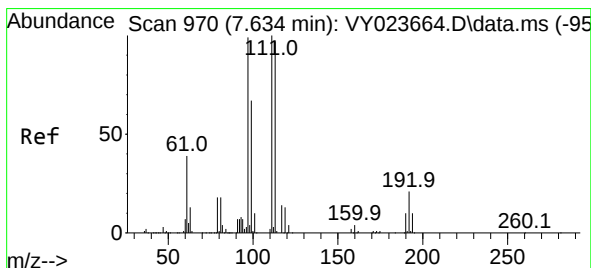
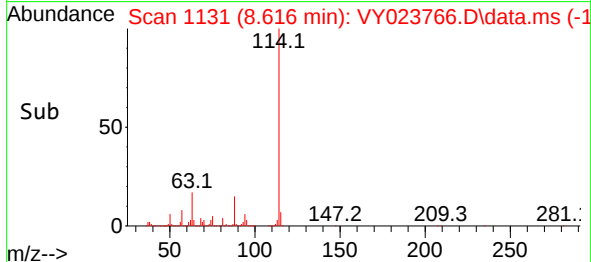
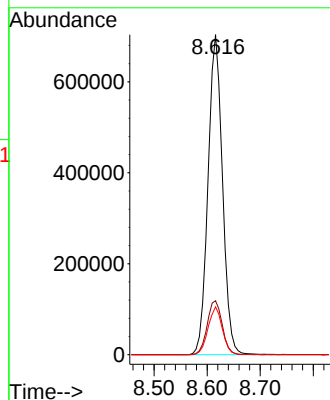
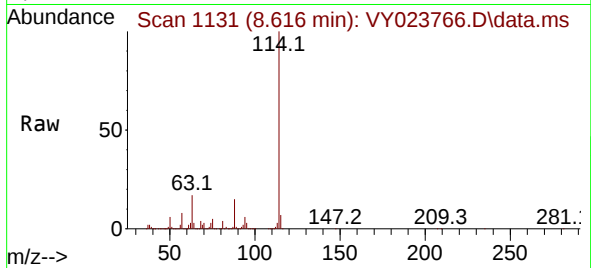




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

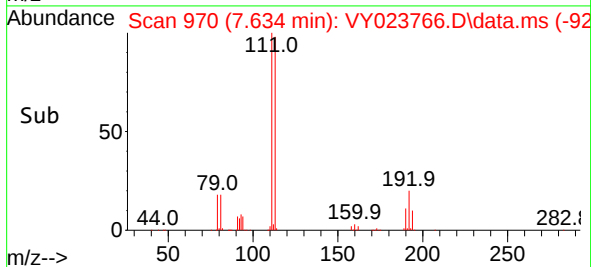
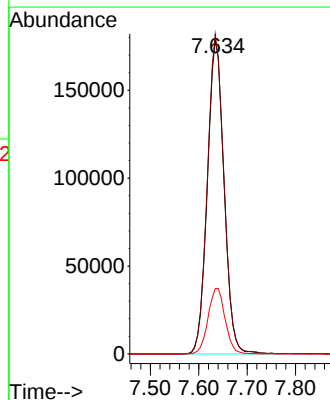
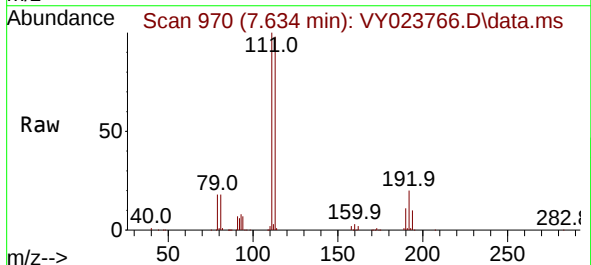
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-04

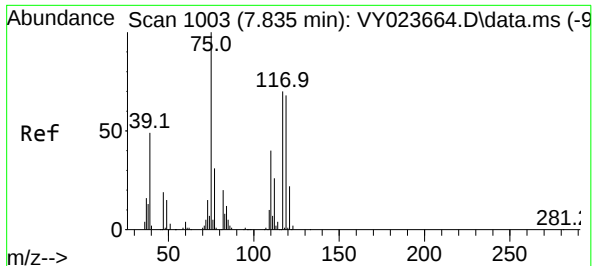
Tgt Ion:114 Resp: 1331691
Ion Ratio Lower Upper
114 100
63 16.8 0.0 33.8
88 14.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.420 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion:113 Resp: 427929
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 21.3 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.572 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023766.D

Acq: 12 Nov 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-04

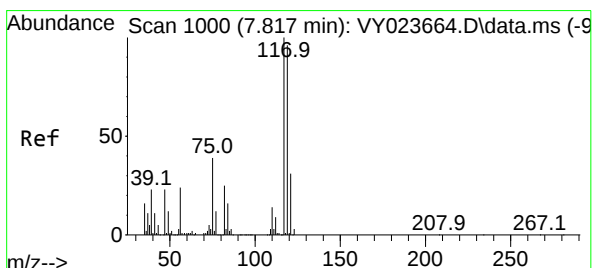
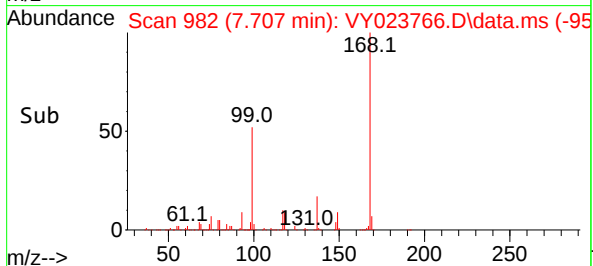
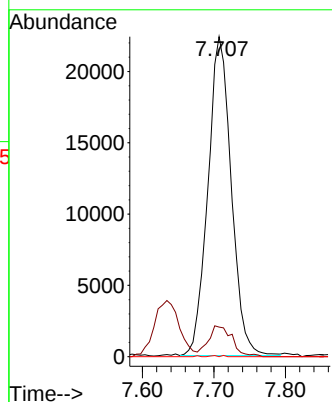
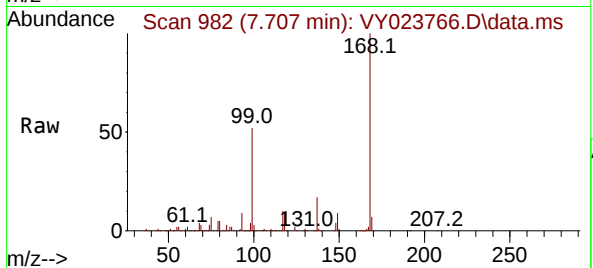
Tgt Ion: 75 Resp: 50844

Ion Ratio Lower Upper

75 100

110 9.8 19.7 59.0#

77 0.2 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.574 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023766.D

Acq: 12 Nov 2025 16:08

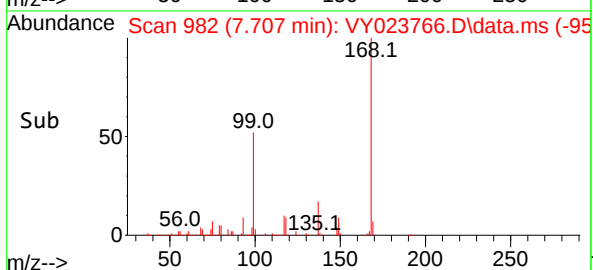
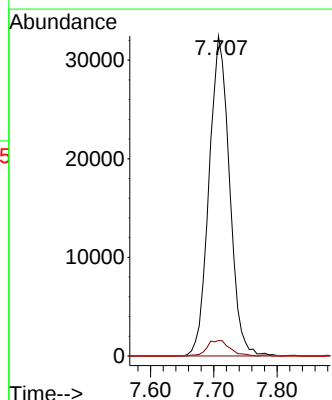
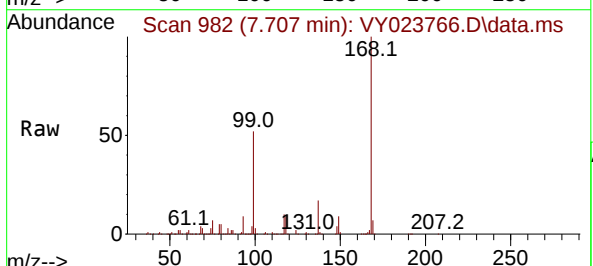
Tgt Ion: 117 Resp: 73040

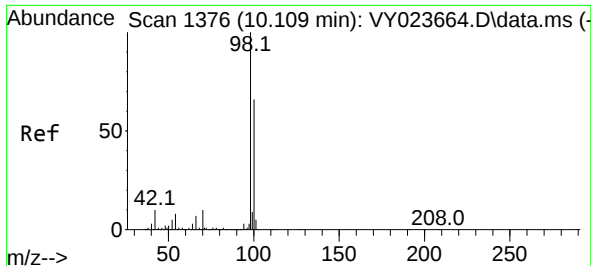
Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

121 0.0 24.8 37.2#

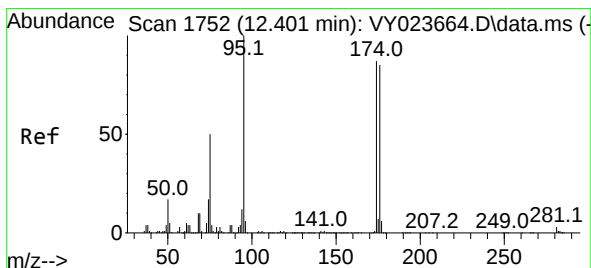
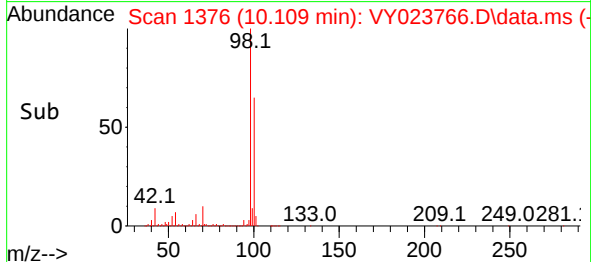
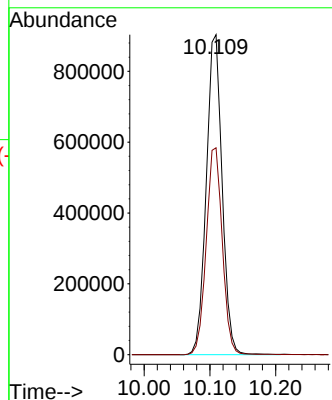
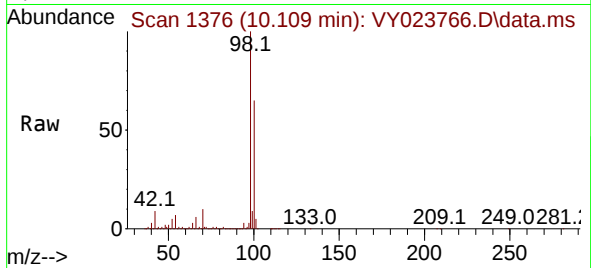




#50
Toluene-d8
Concen: 48.834 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

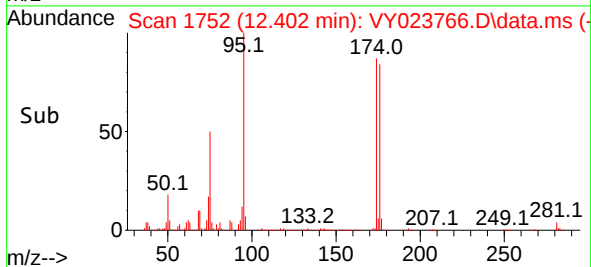
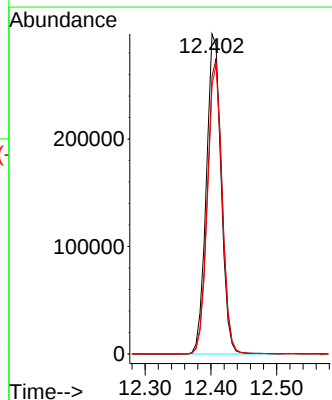
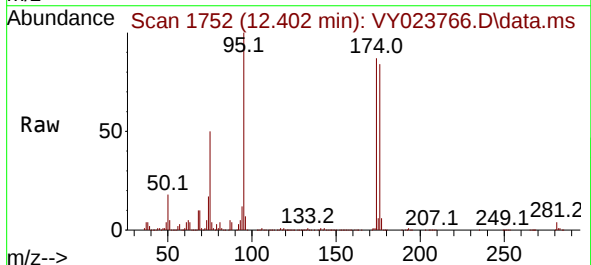
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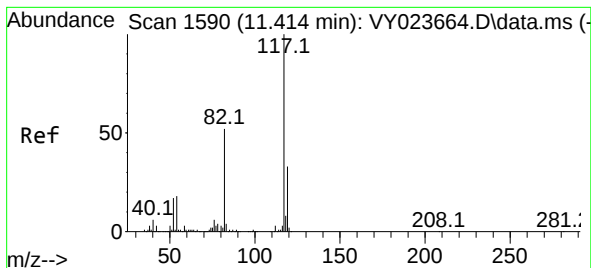
Tgt Ion: 98 Resp: 1513882
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.363 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion: 95 Resp: 464808
Ion Ratio Lower Upper
95 100
174 92.5 0.0 184.8
176 89.4 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023766.D

Acq: 12 Nov 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-04

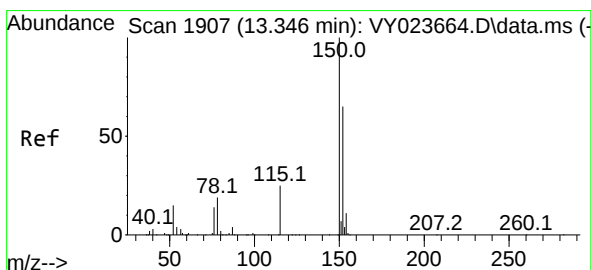
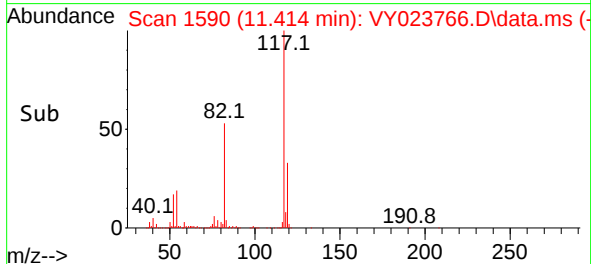
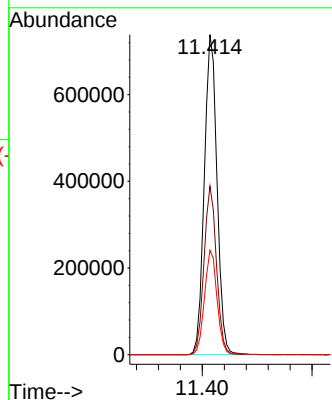
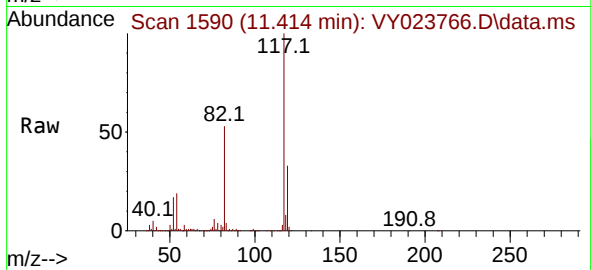
Tgt Ion:117 Resp: 1185801

Ion Ratio Lower Upper

117 100

82 52.6 41.2 61.8

119 32.6 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023766.D

Acq: 12 Nov 2025 16:08

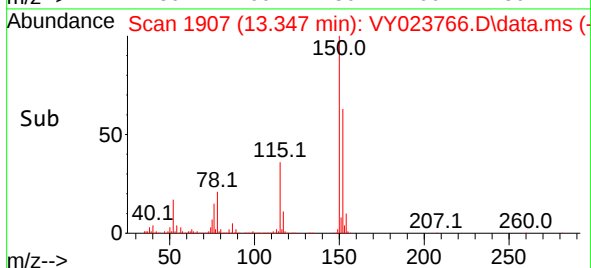
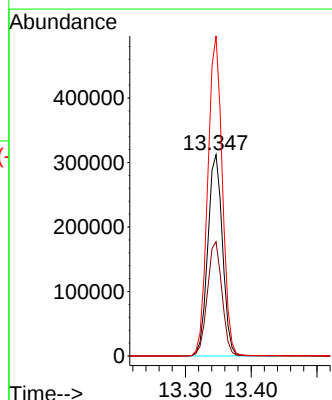
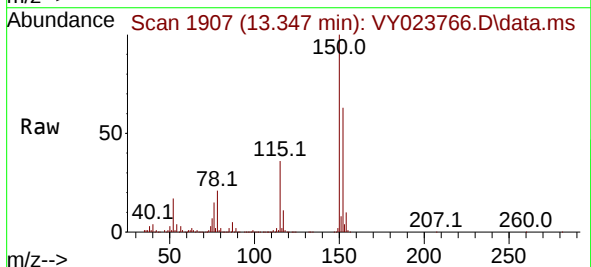
Tgt Ion:152 Resp: 484603

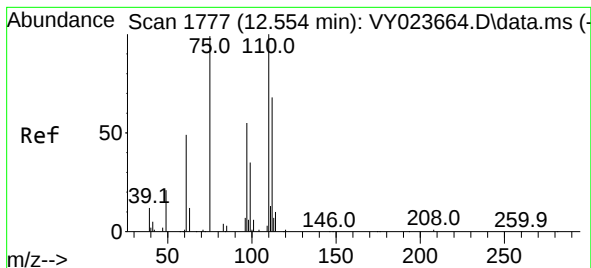
Ion Ratio Lower Upper

152 100

115 56.6 27.5 82.5

150 157.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 59.103 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023766.D

Acq: 12 Nov 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

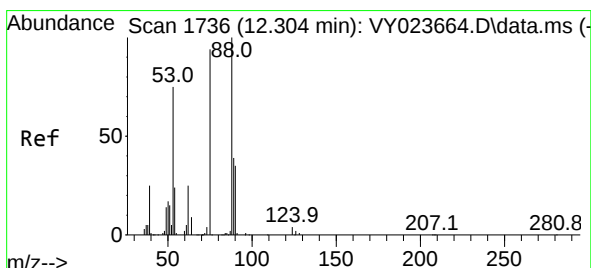
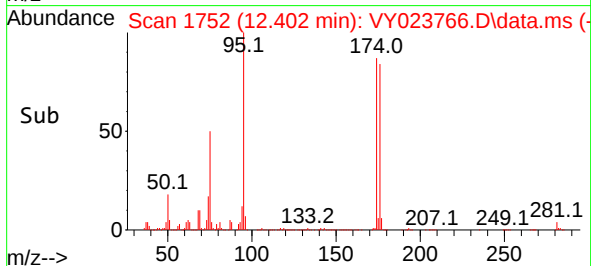
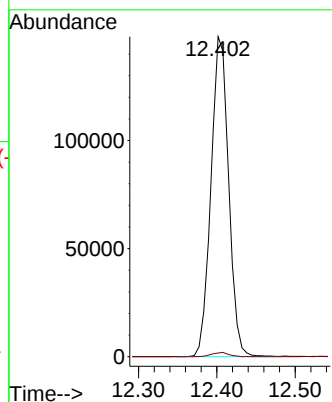
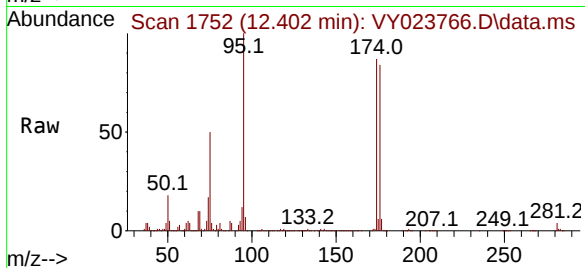
AU-713-VOC-04

Tgt Ion: 75 Resp: 231799

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.569 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY023766.D

Acq: 12 Nov 2025 16:08

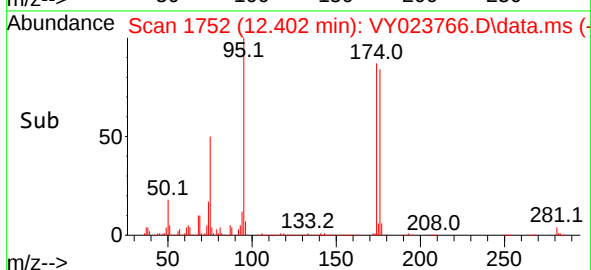
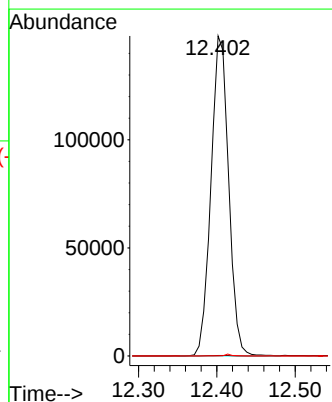
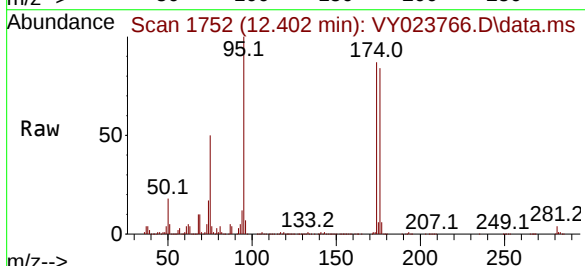
Tgt Ion: 75 Resp: 231799

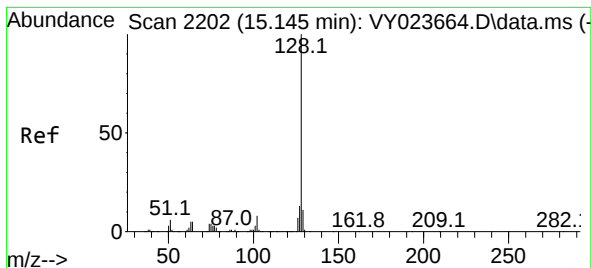
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

89 0.2 38.2 57.4#





#95

Naphthalene

Concen: 5.272 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY023766.D

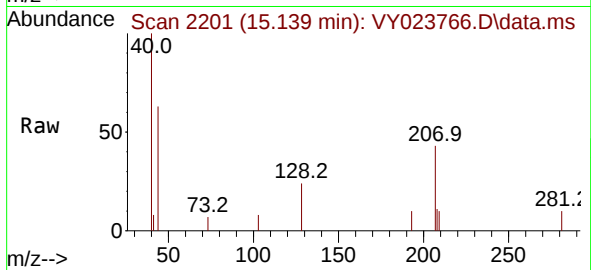
Acq: 12 Nov 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

AU-713-VOC-04



Tgt Ion:128 Resp: 163

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#

