

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023782.D
 Acq On : 13 Nov 2025 13:25
 Operator : SY/MD
 Sample : Q3628-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5-VOC

Quant Time: Nov 14 04:26:09 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)

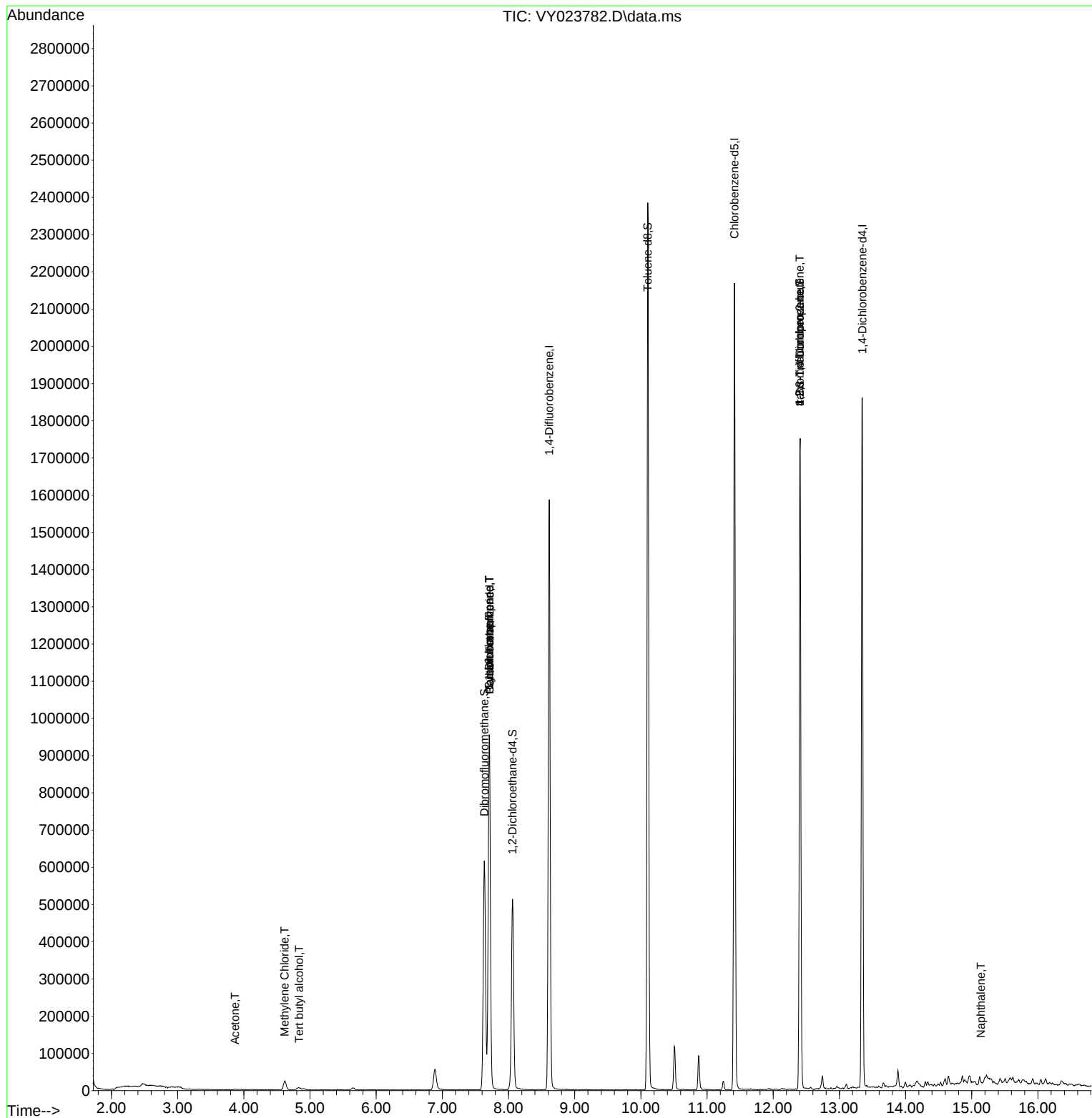
Internal Standards						
1) Pentafluorobenzene	7.713	168	780336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1386985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1184875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	550063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	396686	59.595	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 119.200%		
35) Dibromofluoromethane	7.634	113	449682	51.880	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 103.760%		
50) Toluene-d8	10.103	98	1580690	48.956	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 97.920%		
62) 4-Bromofluorobenzene	12.402	95	554846	53.138	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 106.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	6608	15.396	ug/l #	77
16) Acetone	3.867	43	2576	1.557	ug/l #	86
20) Methylene Chloride	4.616	84	18785	2.352	ug/l	98
31) Cyclohexane	7.707	56	13511	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	53934	4.657	ug/l #	48
38) Carbon Tetrachloride	7.713	117	74698	5.474	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	245138	55.066	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	245138	124.446	ug/l #	14
95) Naphthalene	15.139	128	1398	5.339	ug/l #	67

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
Data File : VY023782.D
Acq On : 13 Nov 2025 13:25
Operator : SY/MD
Sample : Q3628-03
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

Quant Time: Nov 14 04:26:09 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

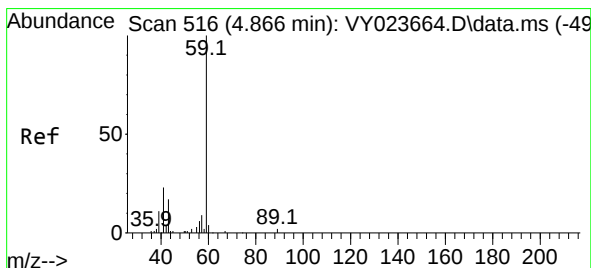
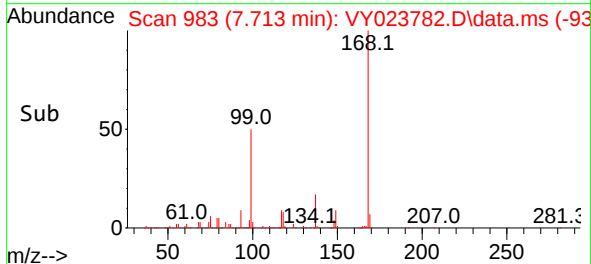
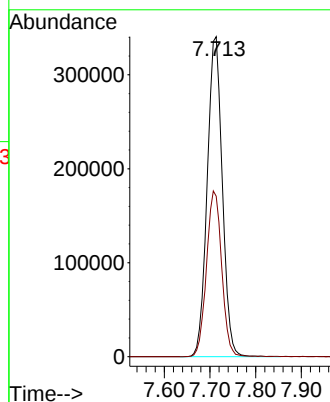
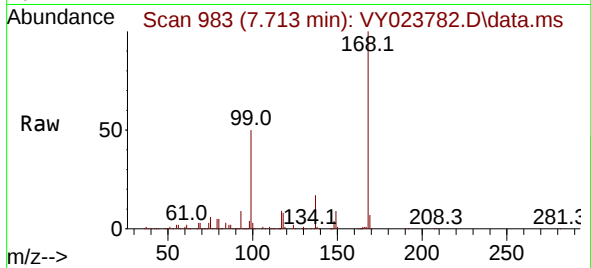




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

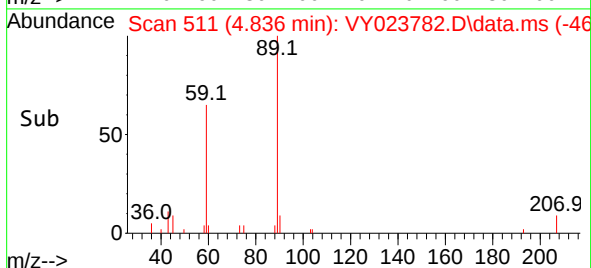
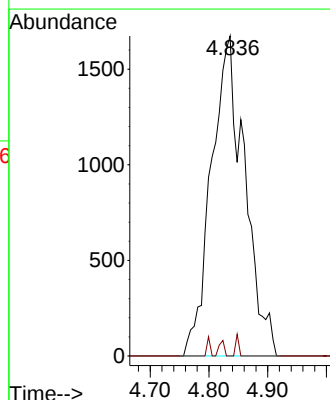
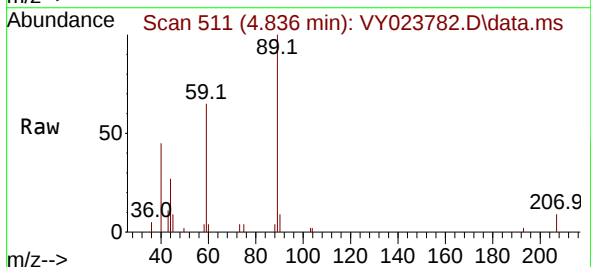
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

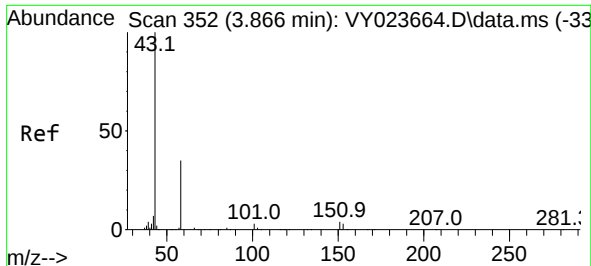
Tgt Ion:168 Resp: 780336
Ion Ratio Lower Upper
168 100
99 50.1 41.0 61.4



#11
Tert butyl alcohol
Concen: 15.396 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion: 59 Resp: 6608
Ion Ratio Lower Upper
59 100
57 0.8 7.4 11.2#

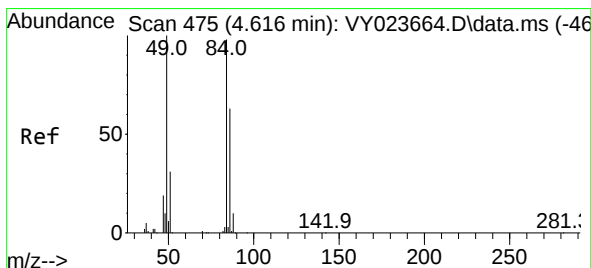
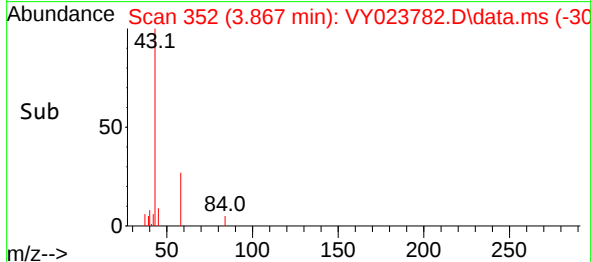
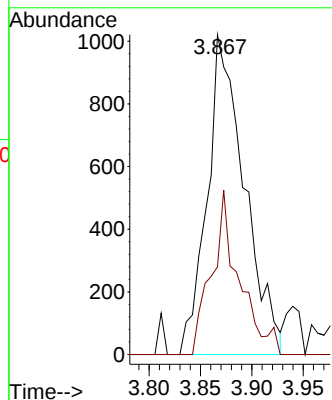
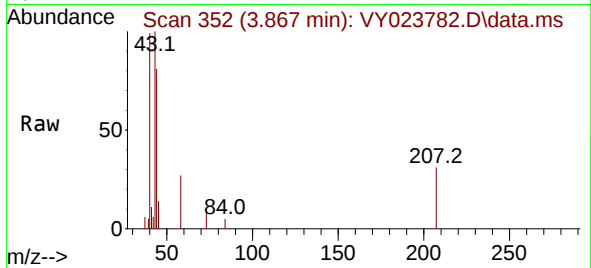




#16
Acetone
Concen: 1.557 ug/l
RT: 3.867 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

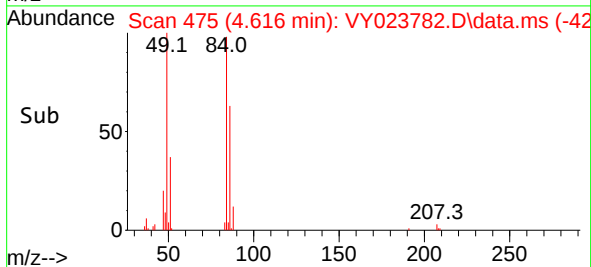
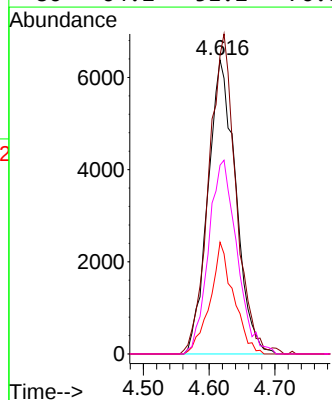
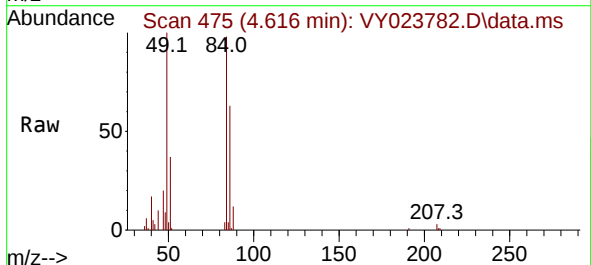
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

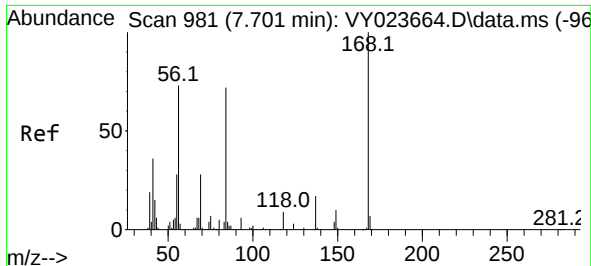
Tgt Ion: 43 Resp: 2576
Ion Ratio Lower Upper
43 100
58 27.4 28.2 42.4#



#20
Methylene Chloride
Concen: 2.352 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion: 84 Resp: 18785
Ion Ratio Lower Upper
84 100
49 101.6 81.5 122.3
51 38.0 25.5 38.3
86 64.2 51.2 76.8

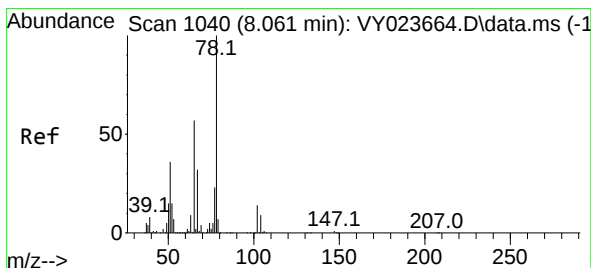
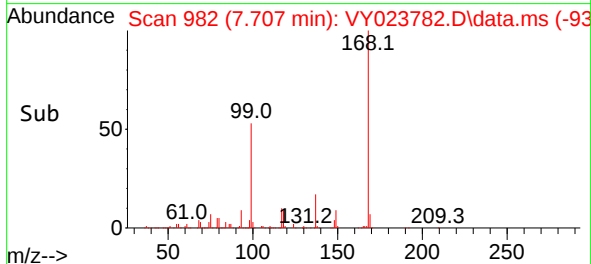
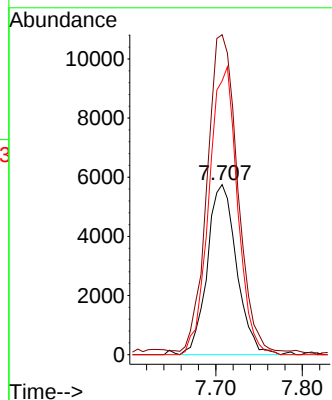
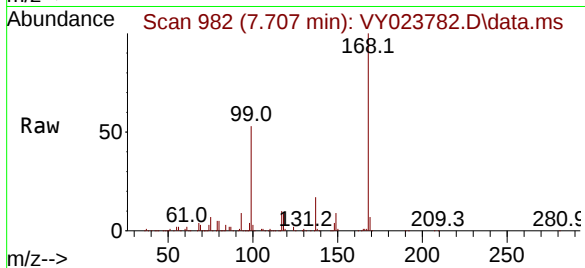




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

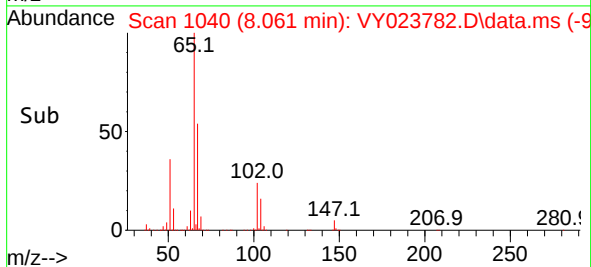
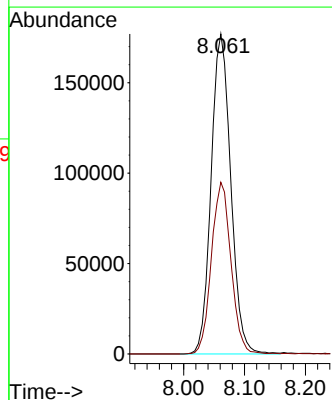
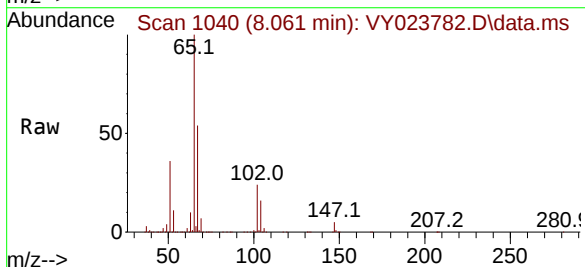
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

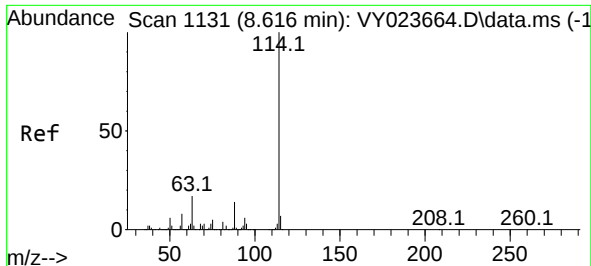
Tgt Ion: 56 Resp: 13511
Ion Ratio Lower Upper
56 100
69 186.2 30.5 45.7#
84 160.9 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 59.595 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion: 65 Resp: 396686
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4

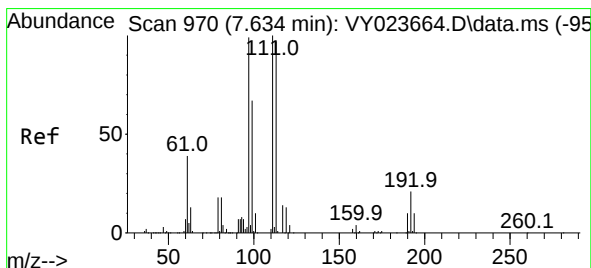
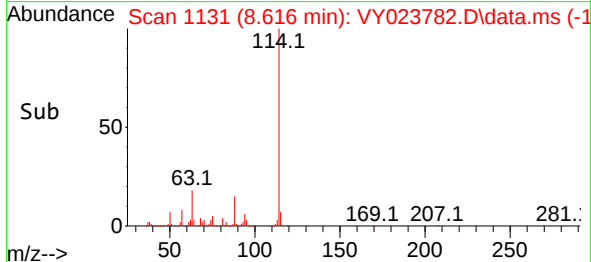
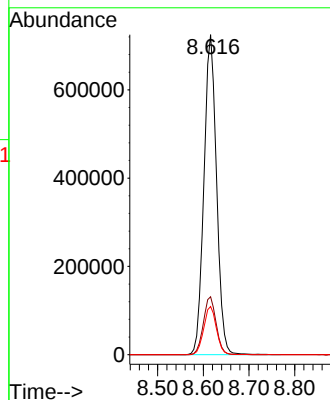
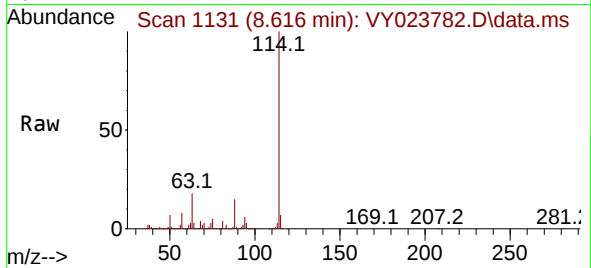




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

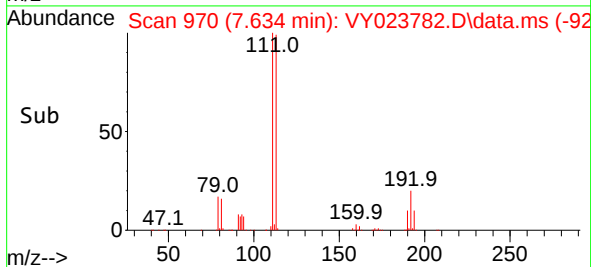
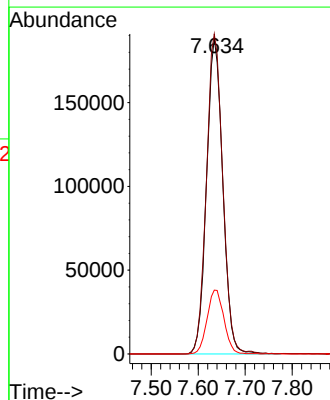
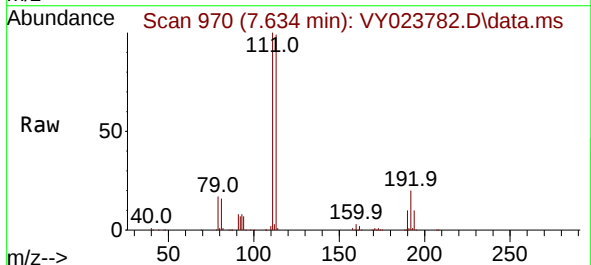
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

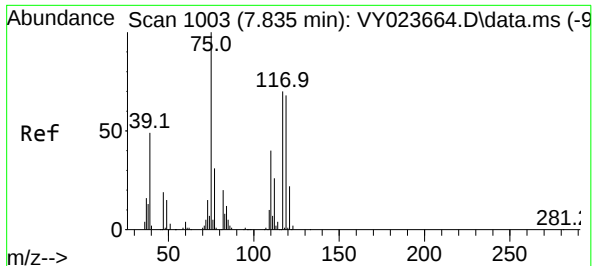
Tgt Ion:114 Resp: 1386985
Ion Ratio Lower Upper
114 100
63 18.1 0.0 33.8
88 15.1 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.880 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion:113 Resp: 449682
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 21.0 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023782.D

Acq: 13 Nov 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC

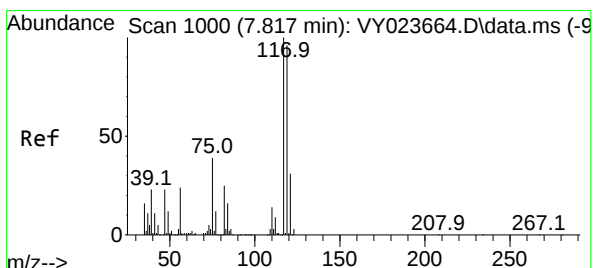
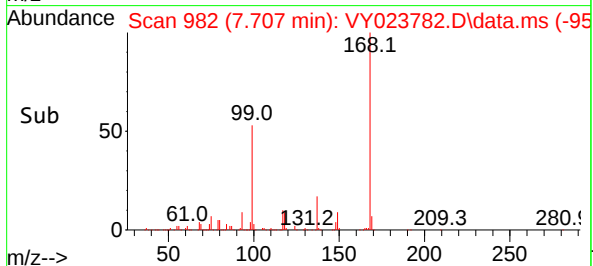
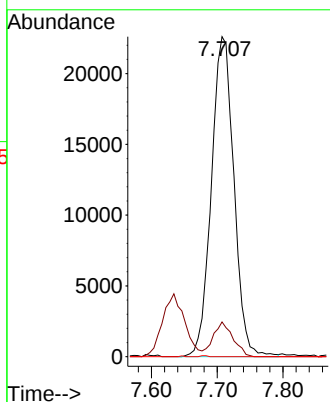
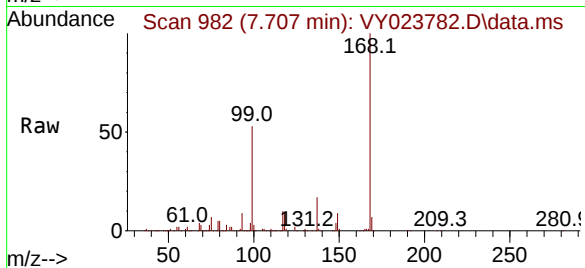
Tgt Ion: 75 Resp: 53934

Ion Ratio Lower Upper

75 100

110 9.6 19.7 59.0#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.474 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023782.D

Acq: 13 Nov 2025 13:25

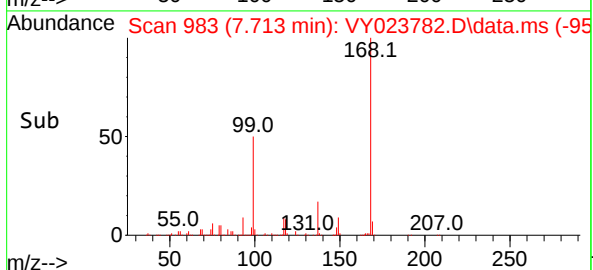
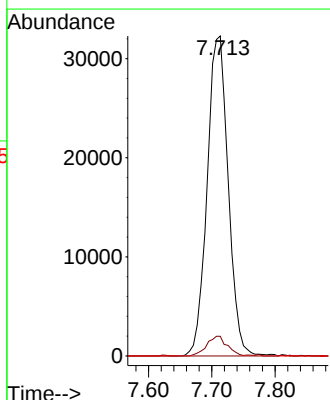
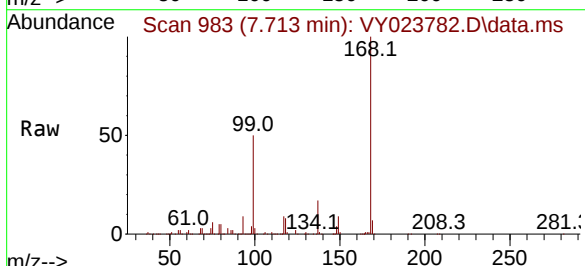
Tgt Ion: 117 Resp: 74698

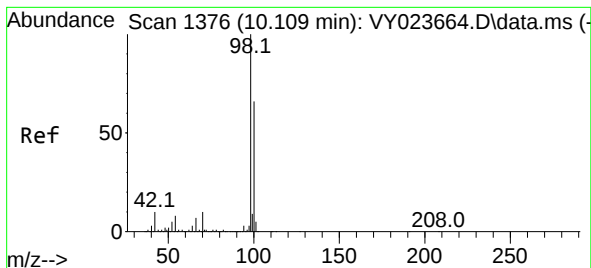
Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.956 ug/l

RT: 10.103 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY023782.D

Acq: 13 Nov 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

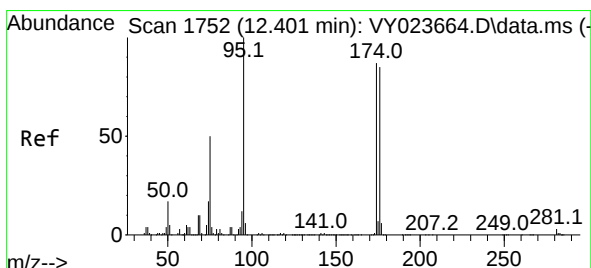
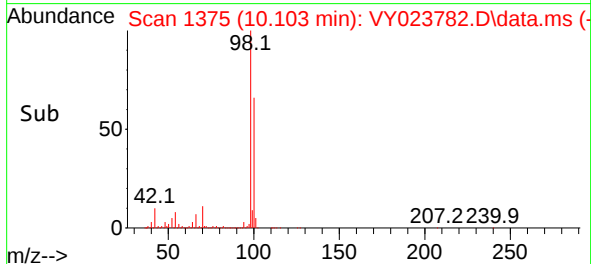
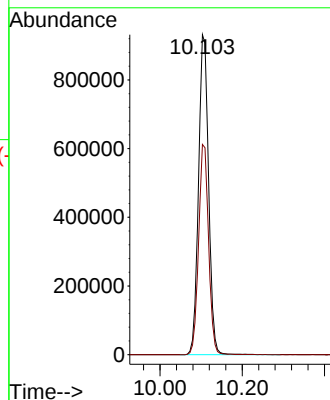
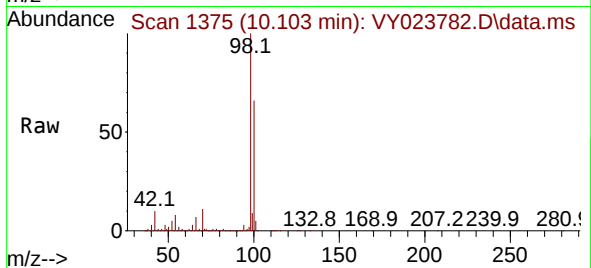
TP-5-VOC

Tgt Ion: 98 Resp: 1580690

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 53.138 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023782.D

Acq: 13 Nov 2025 13:25

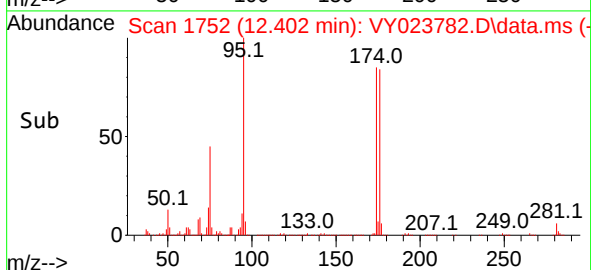
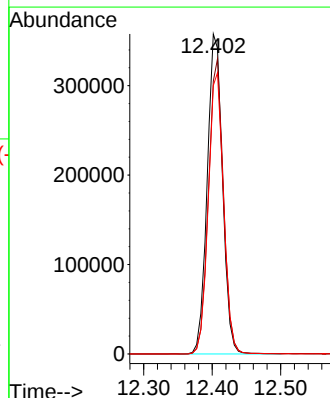
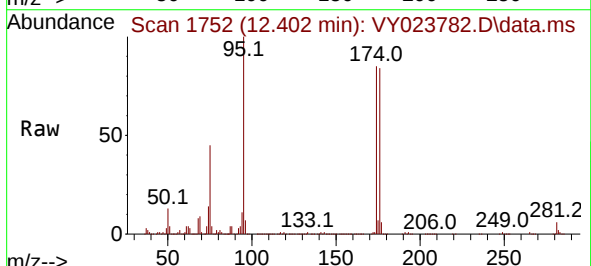
Tgt Ion: 95 Resp: 554846

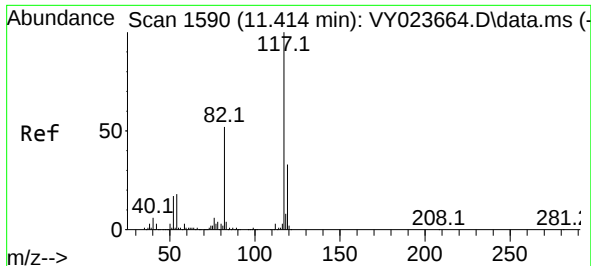
Ion Ratio Lower Upper

95 100

174 90.6 0.0 184.8

176 88.0 0.0 181.6

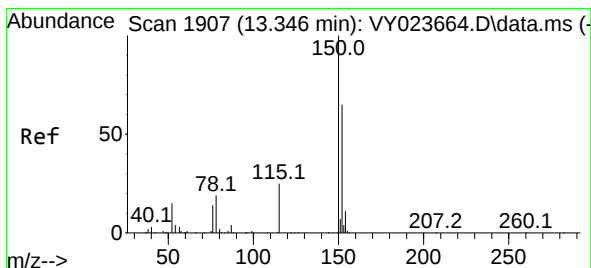
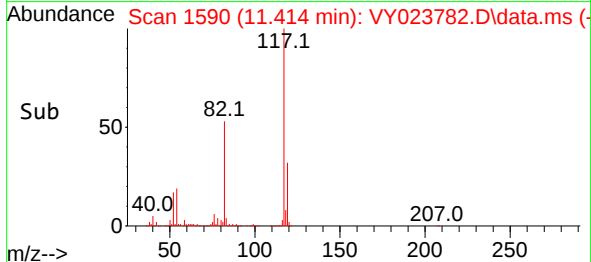
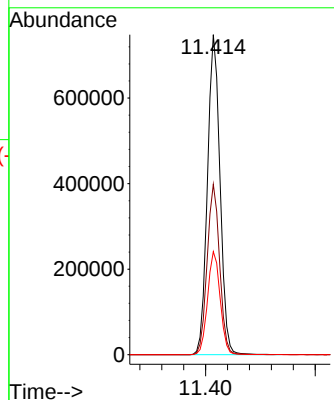
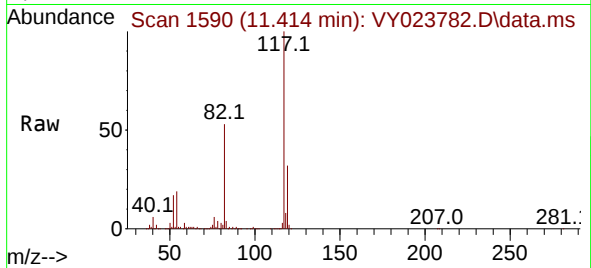




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

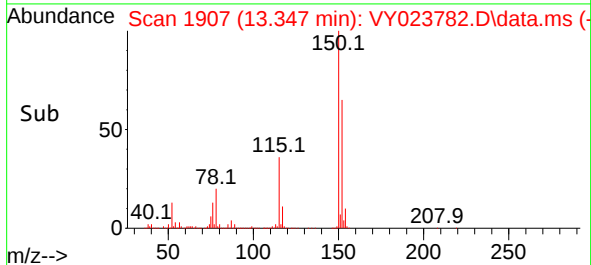
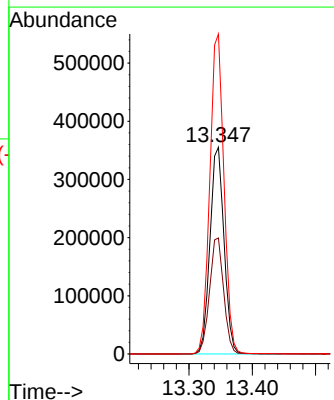
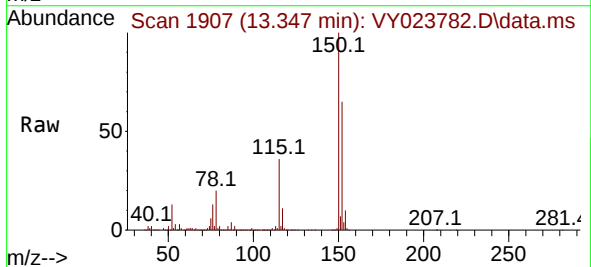
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

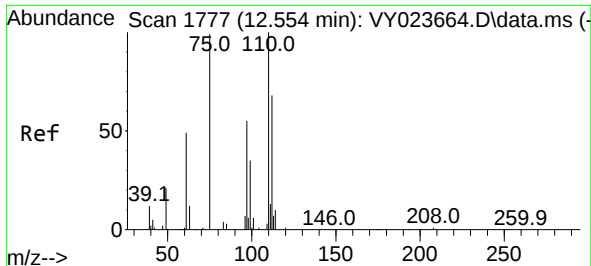
Tgt Ion:117 Resp: 1184875
Ion Ratio Lower Upper
117 100
82 53.2 41.2 61.8
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion:152 Resp: 550063
Ion Ratio Lower Upper
152 100
115 56.4 27.5 82.5
150 155.3 0.0 349.0

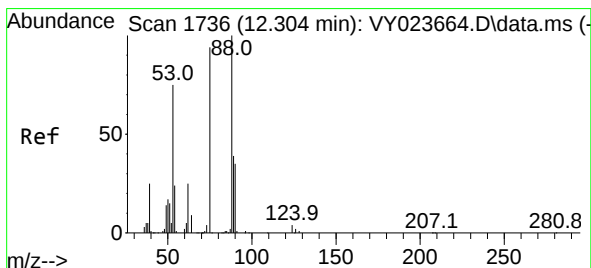
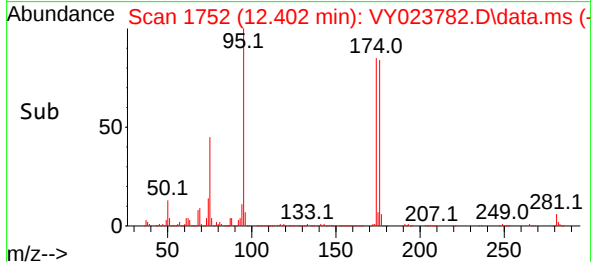
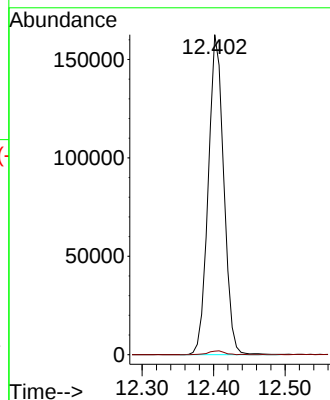
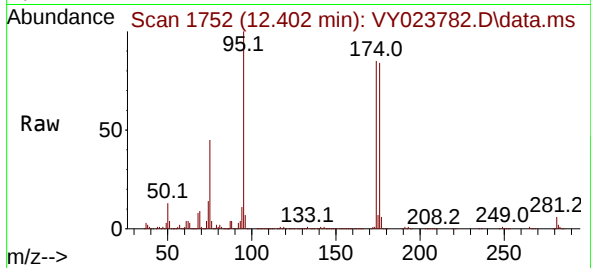




#76
1,2,3-Trichloropropane
Concen: 55.066 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

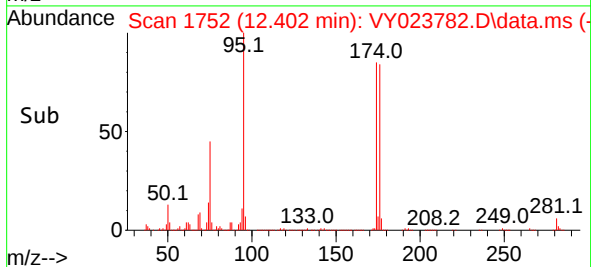
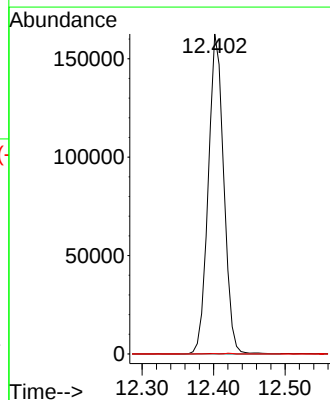
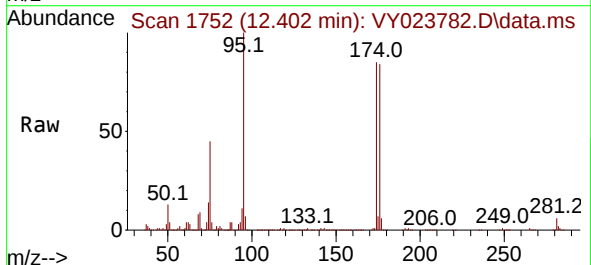
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

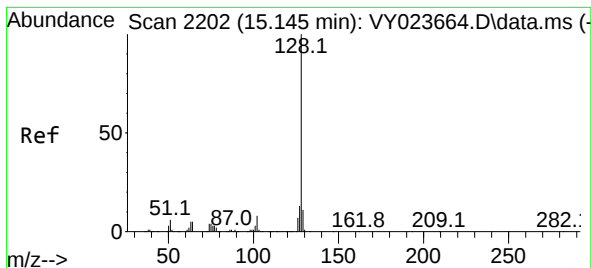
Tgt Ion: 75 Resp: 245138
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.446 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY023782.D
Acq: 13 Nov 2025 13:25

Tgt Ion: 75 Resp: 245138
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 5.339 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY023782.D

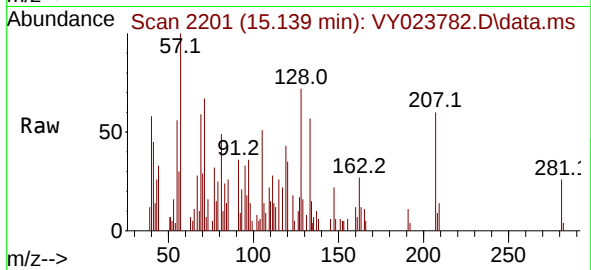
Acq: 13 Nov 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

TP-5-VOC



Tgt Ion:128 Resp: 1398

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 23.6 8.8 13.2#

