

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023676.D
 Acq On : 04 Nov 2025 16:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Nov 05 04:53:21 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)

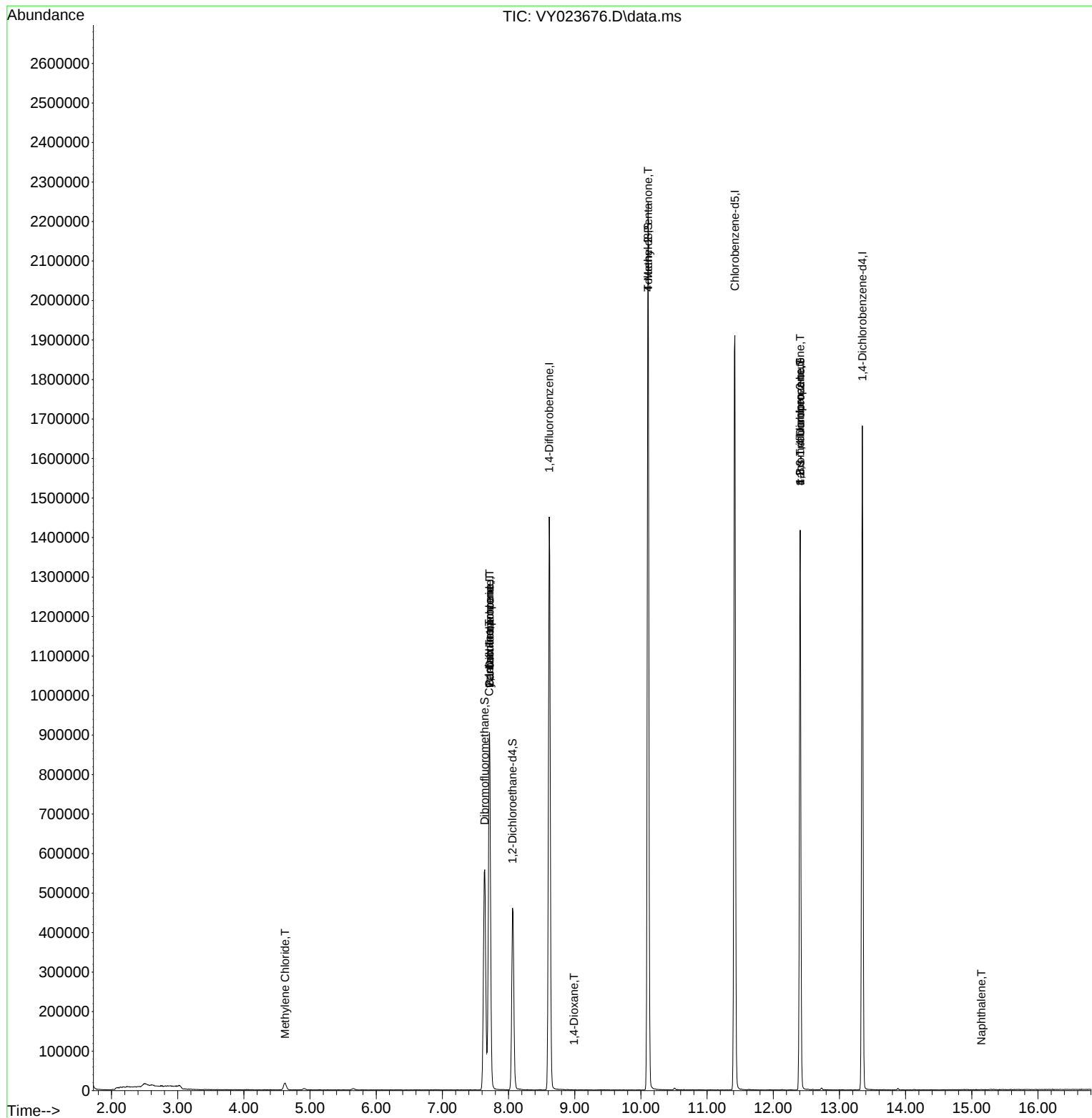
Internal Standards						
1) Pentafluorobenzene	7.713	168	754958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1294755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1090295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	439199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	365880	56.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.620%	
35) Dibromofluoromethane	7.640	113	405931	50.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.340%	
50) Toluene-d8	10.109	98	1461266	48.481	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	12.407	95	414419	42.516	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.040%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	13925	1.802	ug/l	96
31) Cyclohexane	7.707	56	12703	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50492	4.670	ug/l #	48
38) Carbon Tetrachloride	7.713	117	69239	5.435	ug/l #	17
49) 1,4-Dioxane	8.987	88	66	1.384	ug/l #	29
51) 4-Methyl-2-Pentanone	10.109	43	5224	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	204067	57.411	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	204067	129.746	ug/l #	14
95) Naphthalene	15.145	128	733	5.313	ug/l #	73

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
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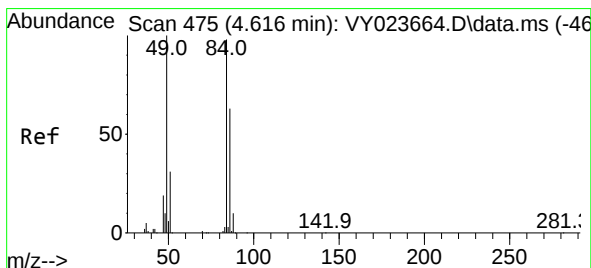
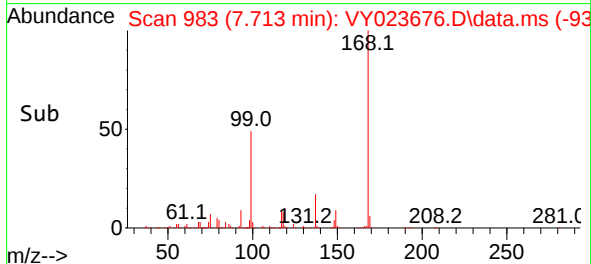
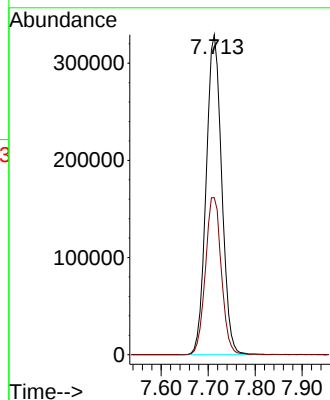
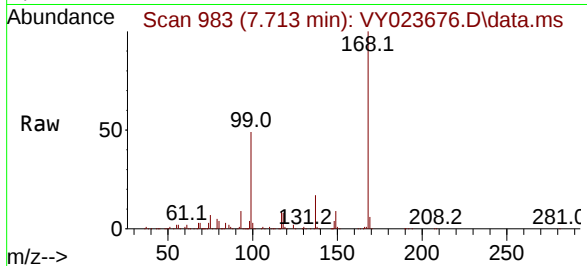




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

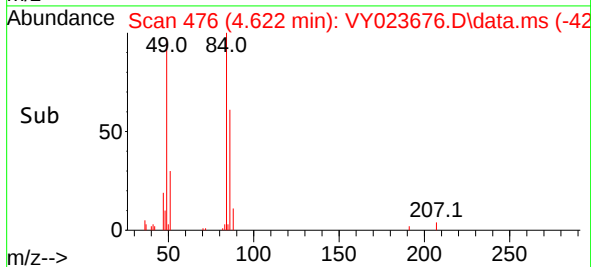
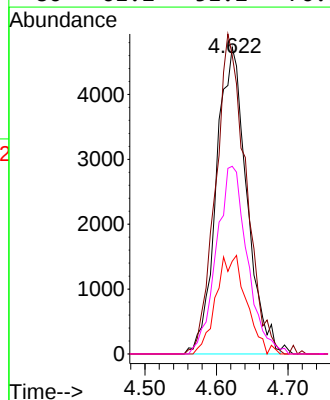
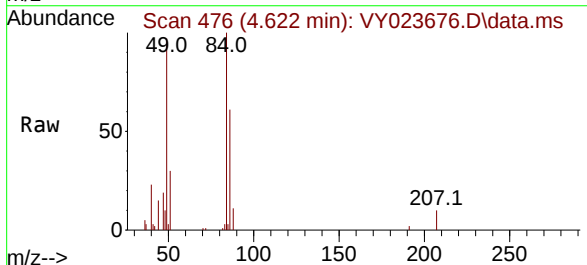
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

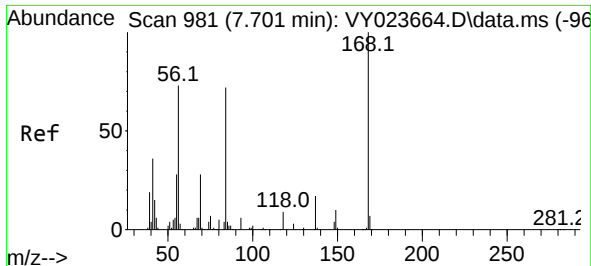
Tgt Ion:168 Resp: 754958
Ion Ratio Lower Upper
168 100
99 49.0 41.0 61.4



#20
Methylene Chloride
Concen: 1.802 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

Tgt Ion: 84 Resp: 13925
Ion Ratio Lower Upper
84 100
49 97.5 81.5 122.3
51 30.2 25.5 38.3
86 61.2 51.2 76.8

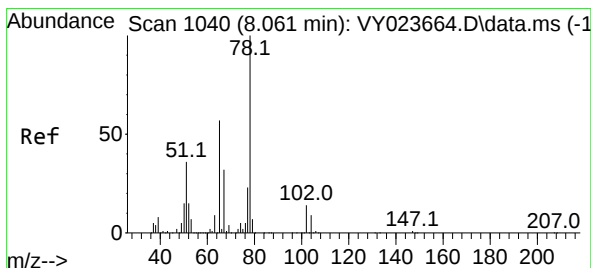
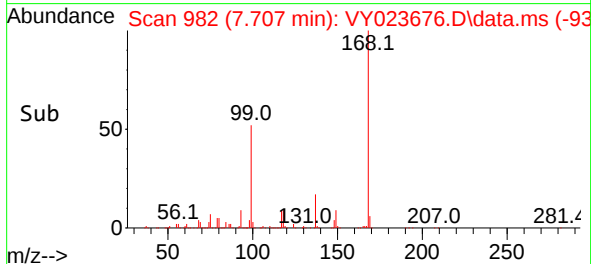
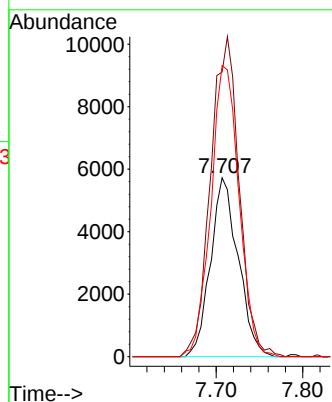
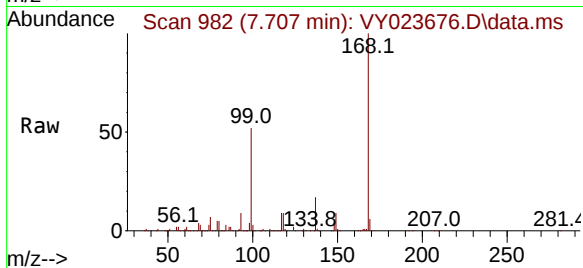




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

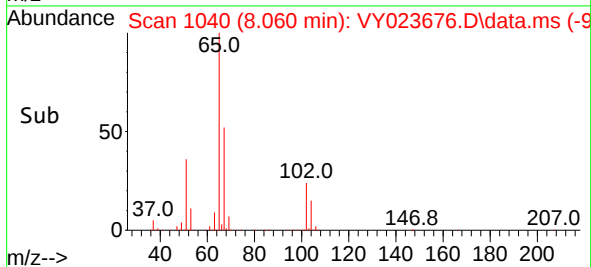
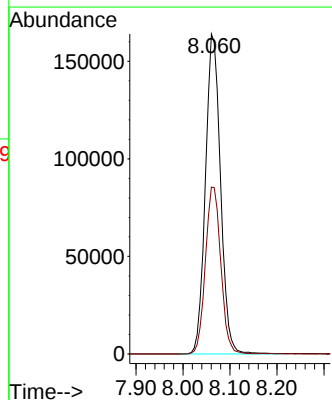
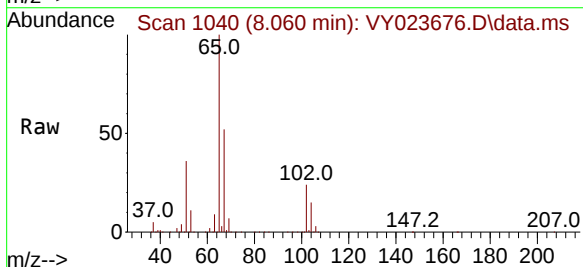
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

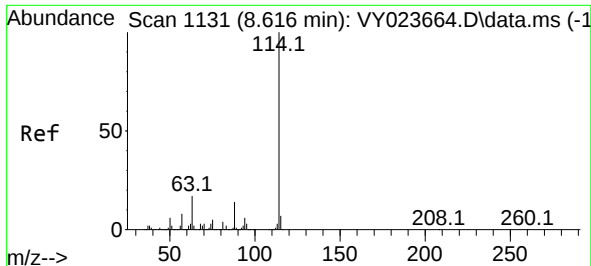
Tgt Ion: 56 Resp: 12703
Ion Ratio Lower Upper
56 100
69 159.1 30.5 45.7#
84 162.7 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 56.815 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

Tgt Ion: 65 Resp: 365880
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

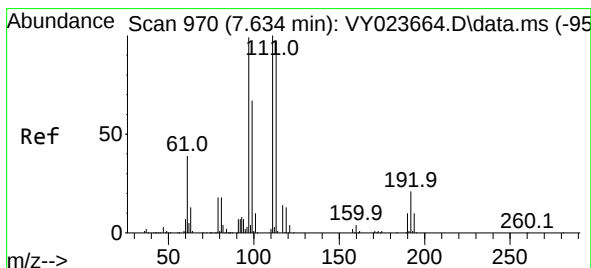
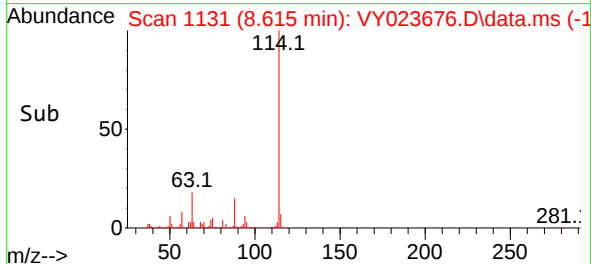
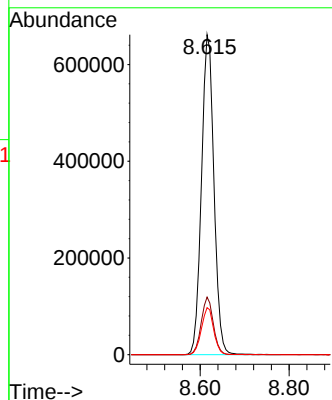
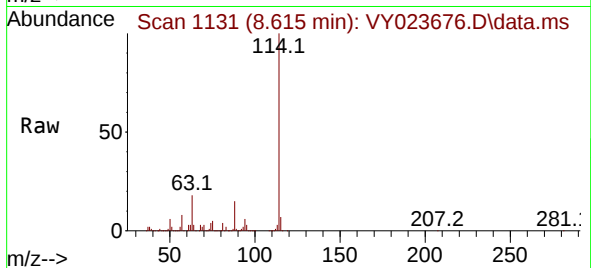
Tgt Ion:114 Resp: 1294755

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.169 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

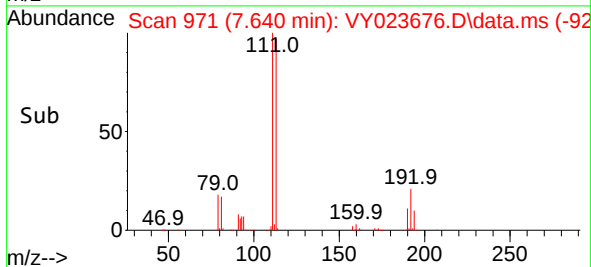
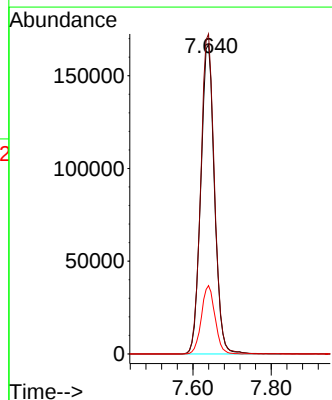
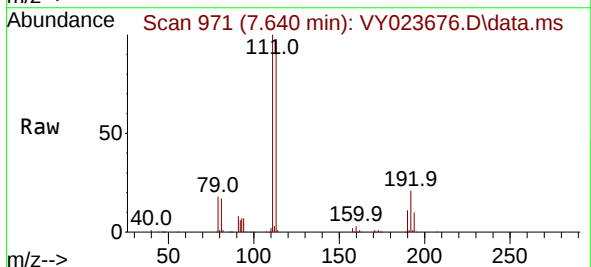
Tgt Ion:113 Resp: 405931

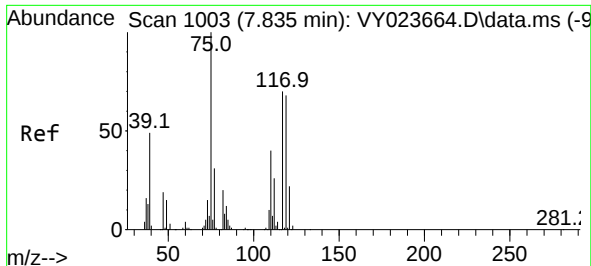
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 21.9 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

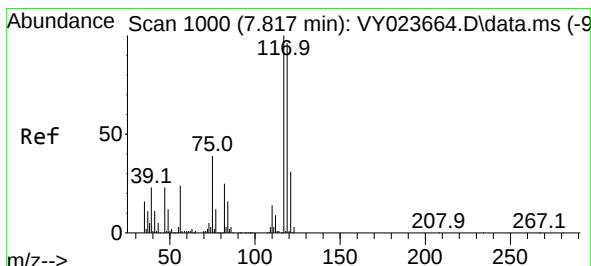
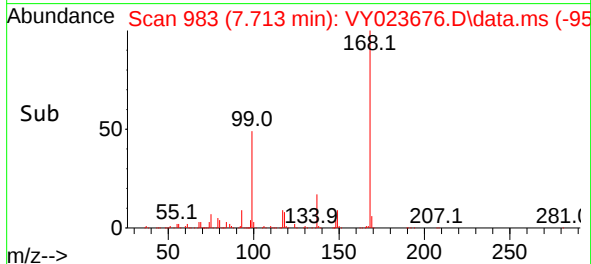
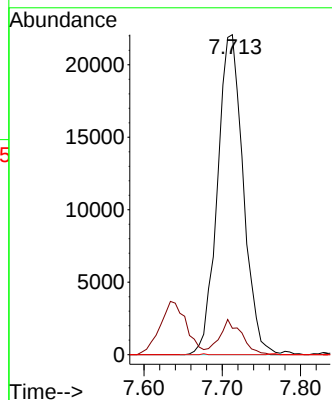
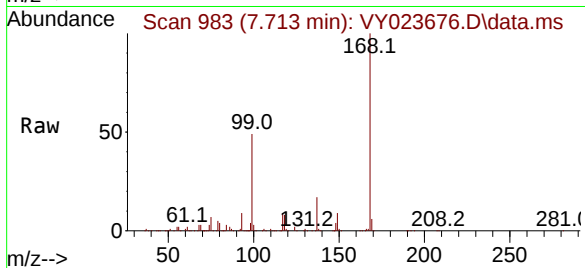
Tgt Ion: 75 Resp: 50492

Ion Ratio Lower Upper

75 100

110 9.5 19.7 59.0#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

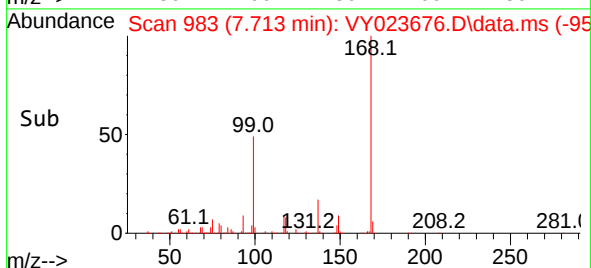
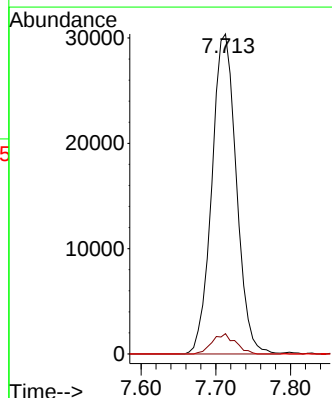
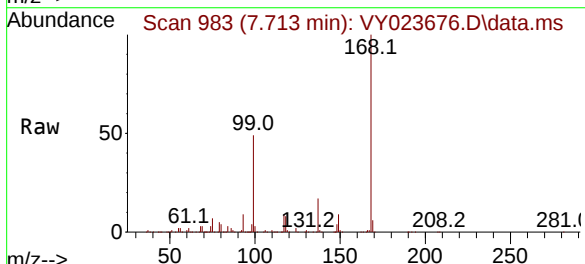
Tgt Ion: 117 Resp: 69239

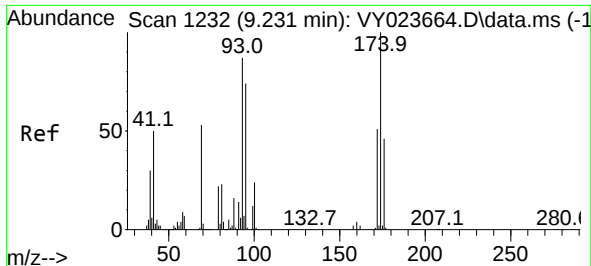
Ion Ratio Lower Upper

117 100

119 6.3 76.3 114.5#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.384 ug/l

RT: 8.987 min Scan# 1192

Delta R.T. -0.244 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

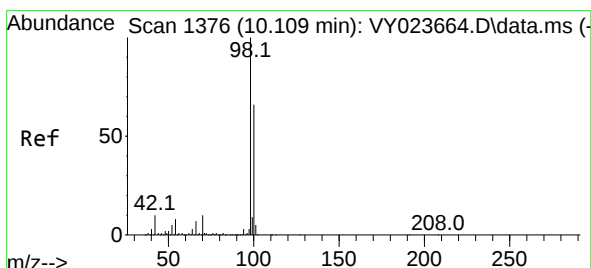
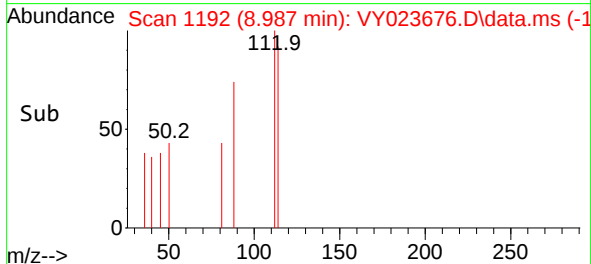
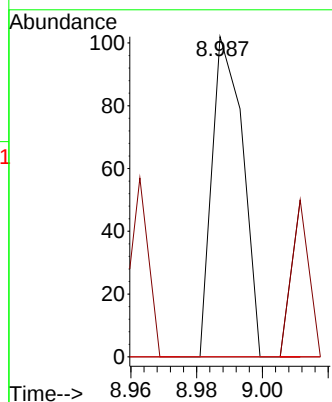
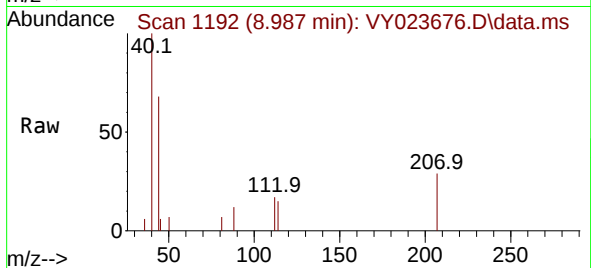
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 22.0 33.0#

58 0.0 47.8 71.8#



#50

Toluene-d8

Concen: 48.481 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY023676.D

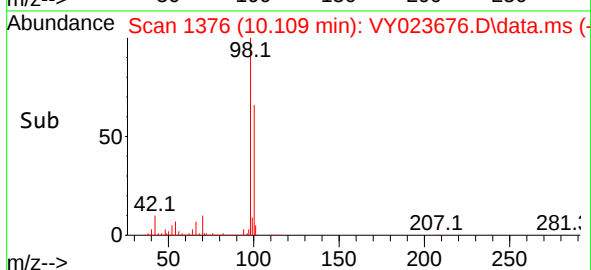
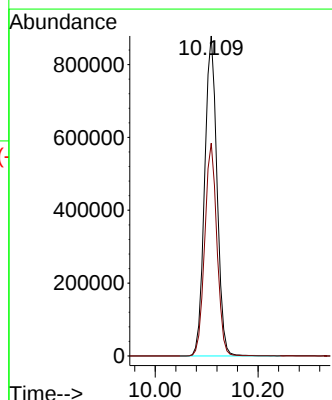
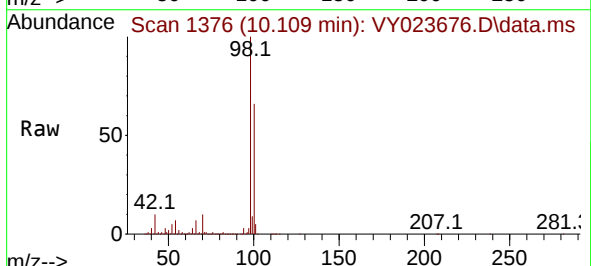
Acq: 04 Nov 2025 16:03

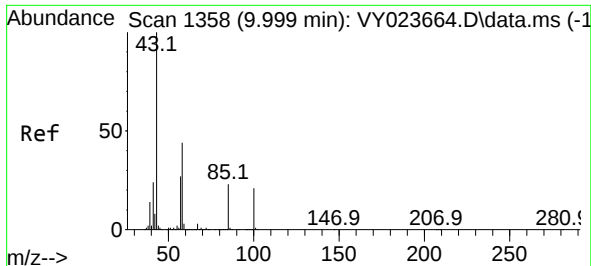
Tgt Ion: 98 Resp: 1461266

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.249 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.109 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :

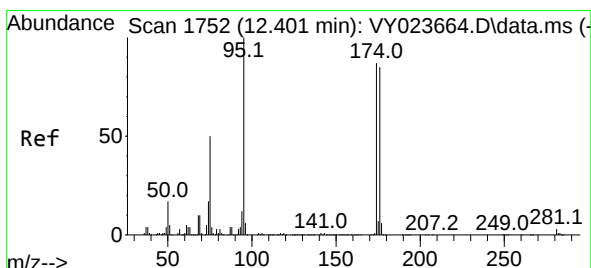
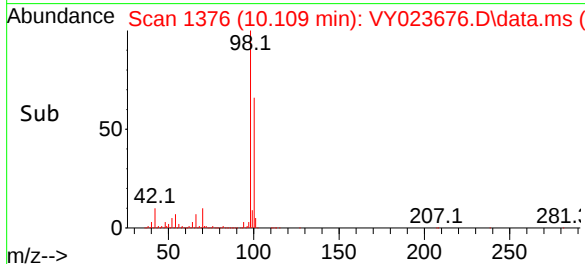
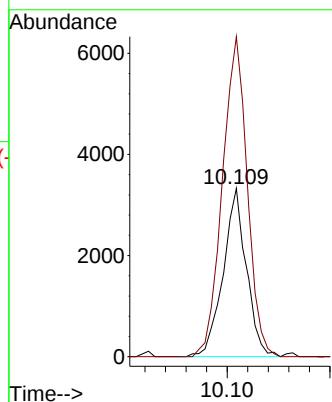
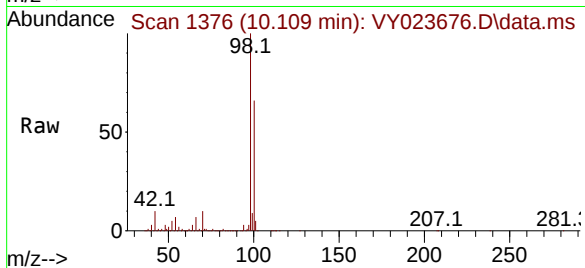
TP-2-VOC

Tgt Ion: 43 Resp: 5224

Ion Ratio Lower Upper

43 100

58 203.5 34.8 52.2#



#62

4-Bromofluorobenzene

Concen: 42.516 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023676.D

Acq: 04 Nov 2025 16:03

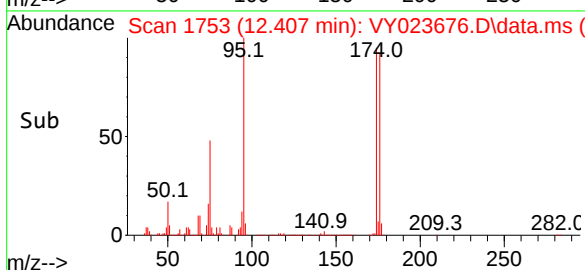
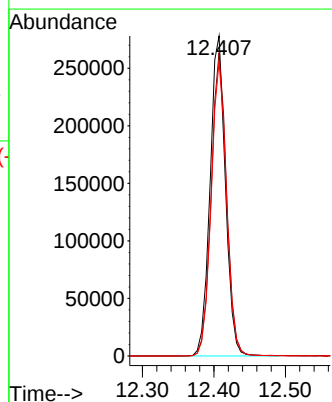
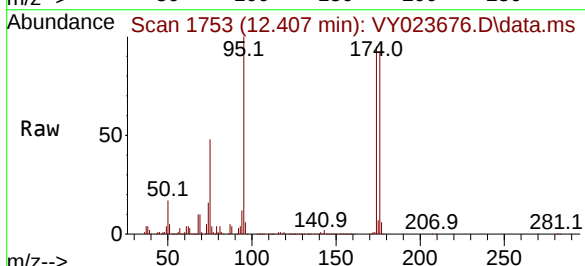
Tgt Ion: 95 Resp: 414419

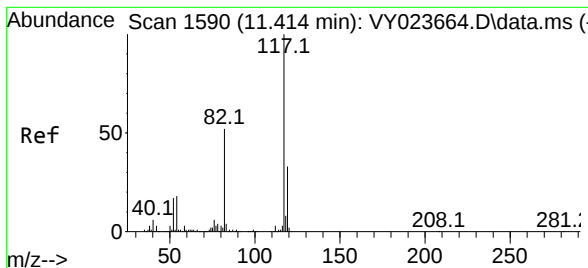
Ion Ratio Lower Upper

95 100

174 95.1 0.0 184.8

176 91.6 0.0 181.6

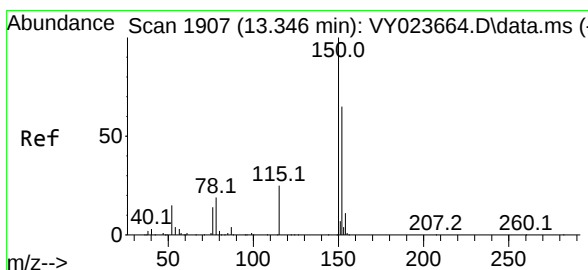
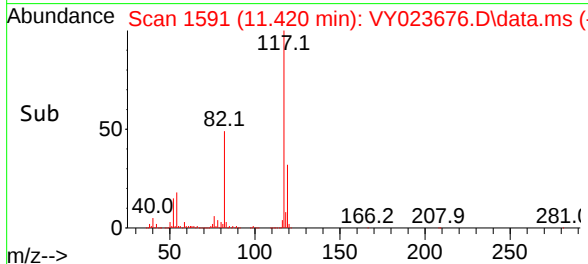
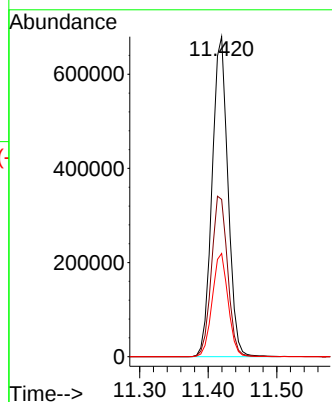
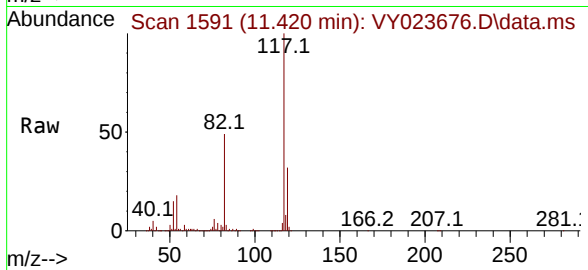




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

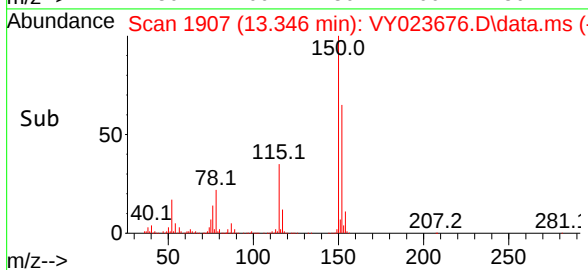
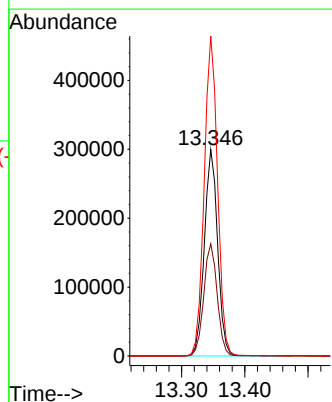
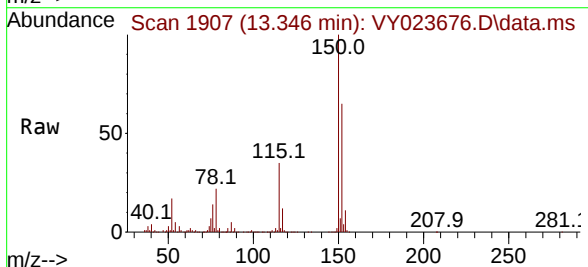
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

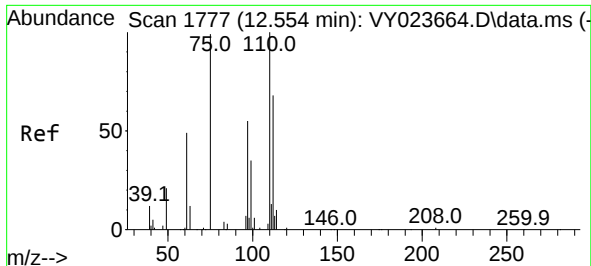
Tgt Ion:117 Resp: 1090295
Ion Ratio Lower Upper
117 100
82 49.2 41.2 61.8
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

Tgt Ion:152 Resp: 439199
Ion Ratio Lower Upper
152 100
115 54.9 27.5 82.5
150 155.4 0.0 349.0

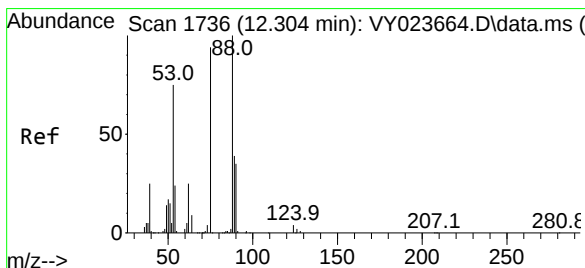
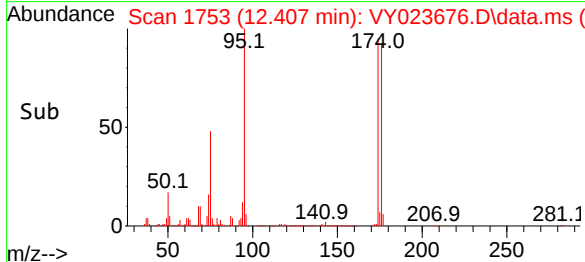
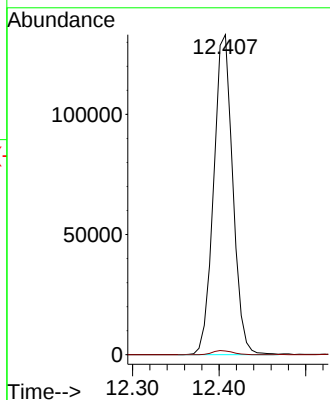
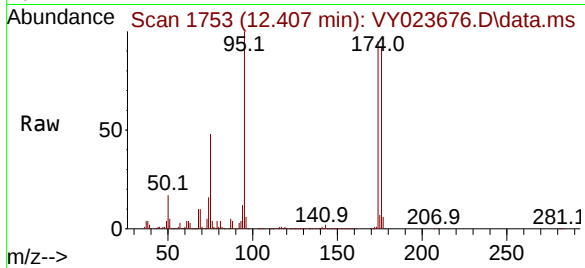




#76
1,2,3-Trichloropropane
Concen: 57.411 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

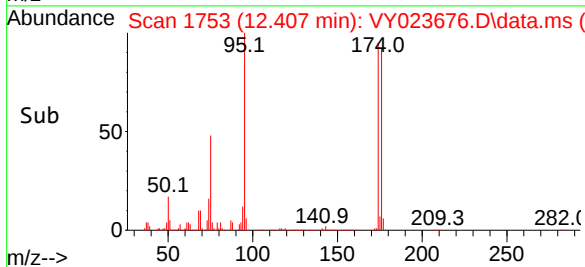
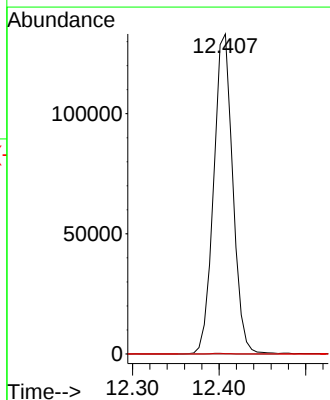
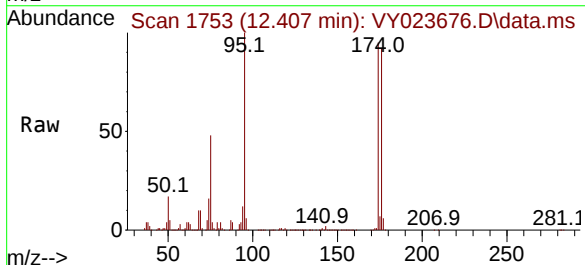
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

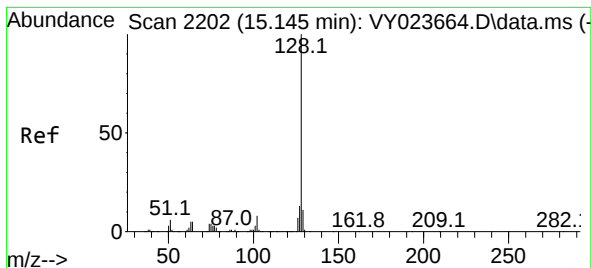
Tgt Ion: 75 Resp: 204067
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.746 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY023676.D
Acq: 04 Nov 2025 16:03

Tgt Ion: 75 Resp: 204067
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 5.313 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY023676.D

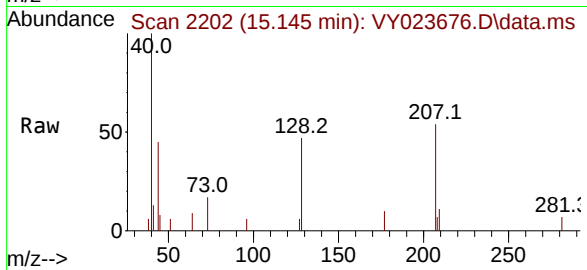
Acq: 04 Nov 2025 16:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC



Tgt Ion:128 Resp: 733

Ion Ratio Lower Upper

128 100

127 2.7 10.5 15.7#

129 0.0 8.8 13.2#

