

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021845.D
 Acq On : 10 Apr 2025 17:57
 Operator : SY/MD
 Sample : Q1771-07
 Misc : 4.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7C-VOC

Quant Time: Apr 11 01:52:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

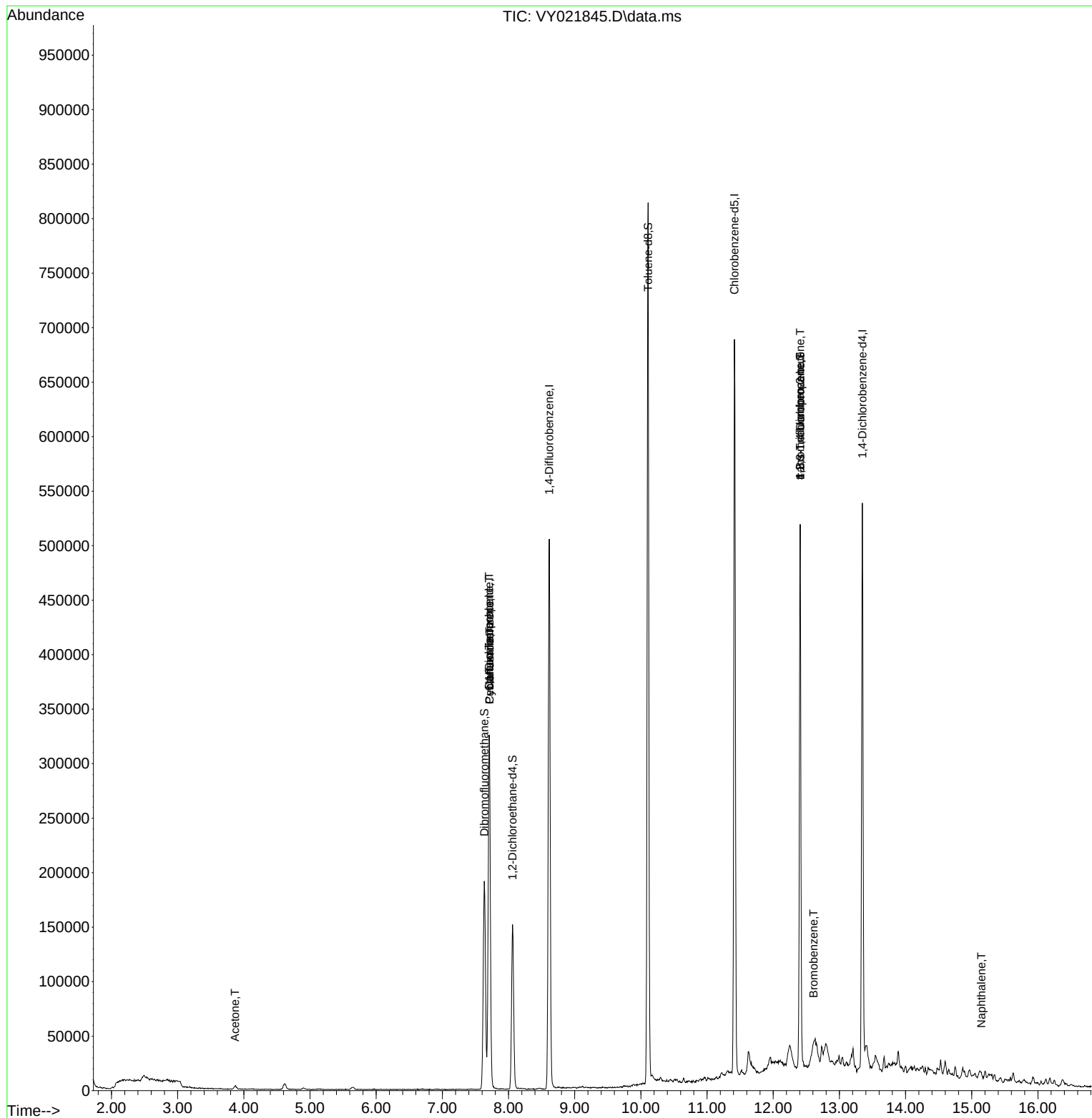
Internal Standards						
1) Pentafluorobenzene	7.713	168	245478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	358302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120835	45.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.860%
35) Dibromofluoromethane	7.634	113	134766	49.163	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.320%
50) Toluene-d8	10.109	98	518078	49.680	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.408	95	147649	41.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.720%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	5281	9.702	ug/l	89
20) Methylene Chloride	4.622	84	3934	Below Cal	#	72
31) Cyclohexane	7.713	56	5659	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	19669	4.711	ug/l #	52
38) Carbon Tetrachloride	7.707	117	25606	5.355	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	77056	59.645	ug/l #	100
77) Bromobenzene	12.609	156	12907	5.553	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	77056	137.432	ug/l #	12
95) Naphthalene	15.145	128	3712	1.036	ug/l #	83

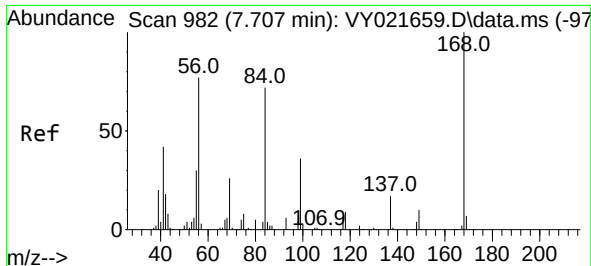
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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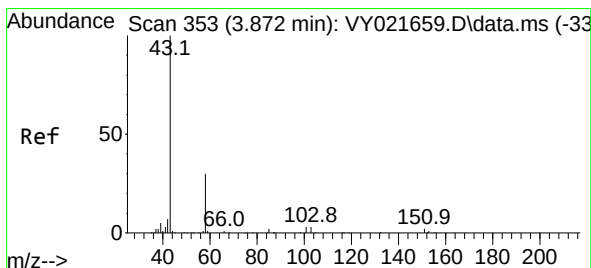
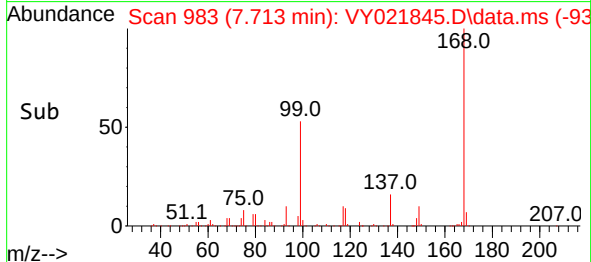
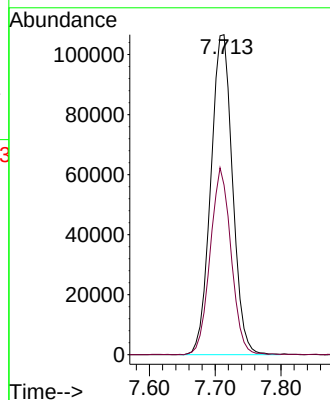
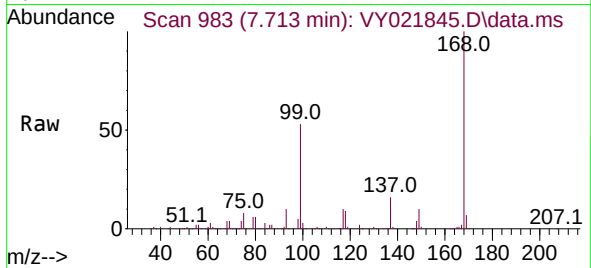




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

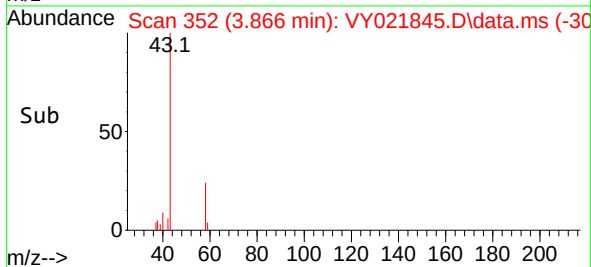
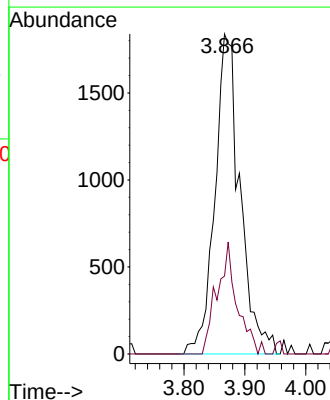
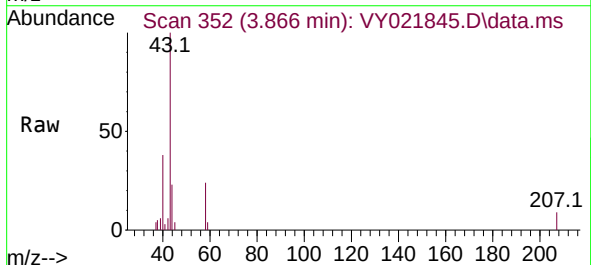
Instrument :
MSVOA_Y
ClientSampleId :
TP-7C-VOC

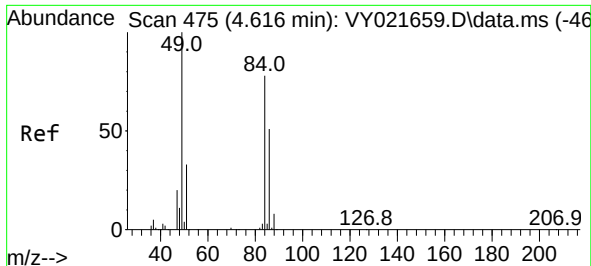
Tgt Ion:168 Resp: 245478
Ion Ratio Lower Upper
168 100
99 52.9 46.7 70.1



#16
Acetone
Concen: 9.702 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

Tgt Ion: 43 Resp: 5281
Ion Ratio Lower Upper
43 100
58 24.4 24.2 36.4



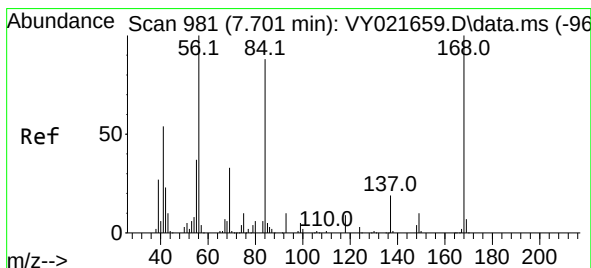
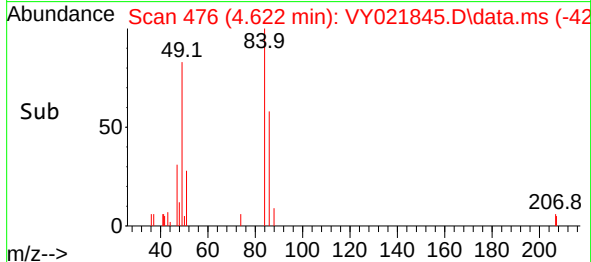
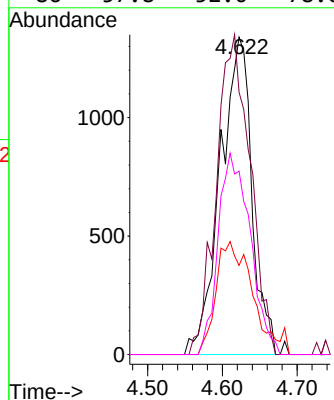
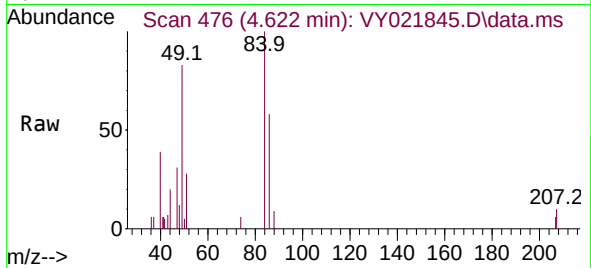


#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

Instrument :
MSVOA_Y
ClientSampleId :
TP-7C-VOC

Tgt Ion: 84 Resp: 3934

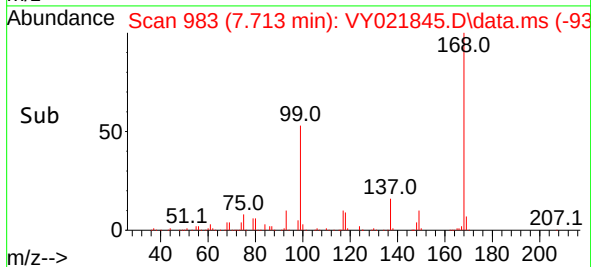
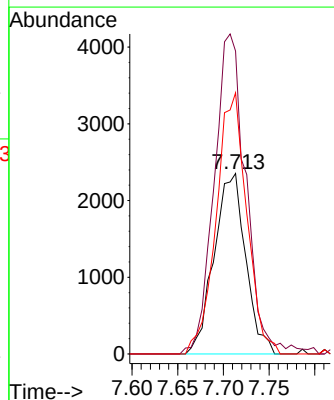
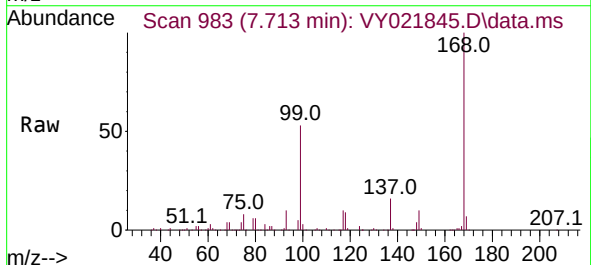
Ion	Ratio	Lower	Upper
84	100		
49	82.7	102.8	154.2#
51	28.1	33.5	50.3#
86	57.8	52.0	78.0

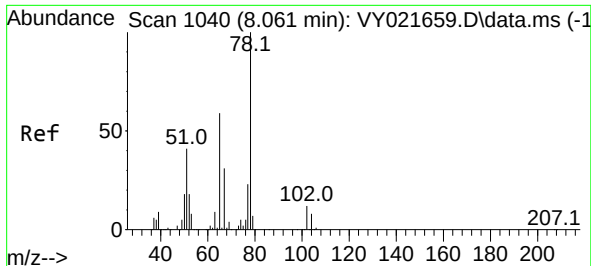


#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

Tgt Ion: 56 Resp: 5659

Ion	Ratio	Lower	Upper
56	100		
69	167.8	26.6	40.0#
84	144.6	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 45.432 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021845.D

Acq: 10 Apr 2025 17:57

Instrument :

MSVOA_Y

ClientSampleId :

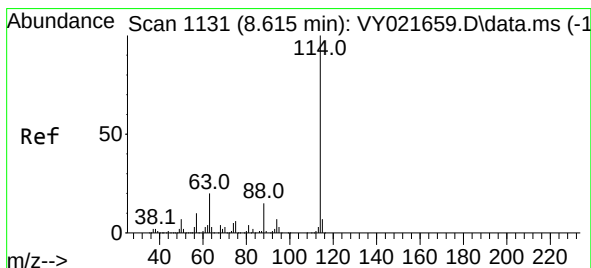
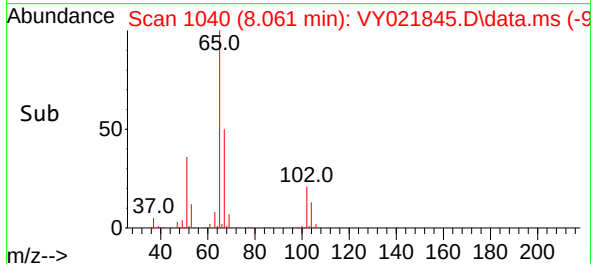
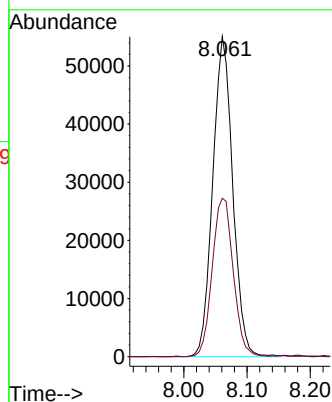
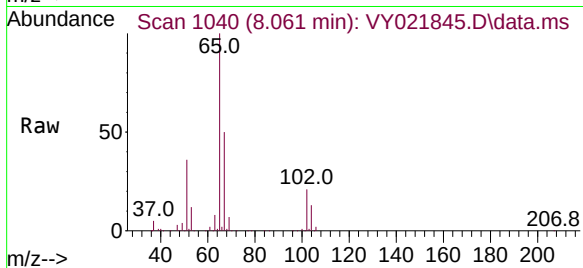
TP-7C-VOC

Tgt Ion: 65 Resp: 120835

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021845.D

Acq: 10 Apr 2025 17:57

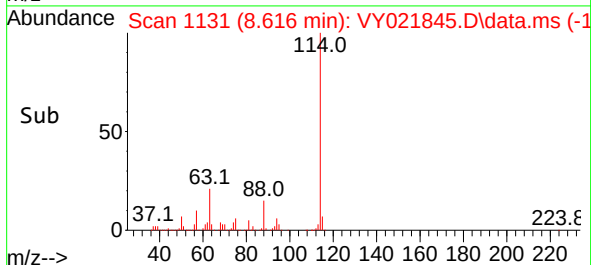
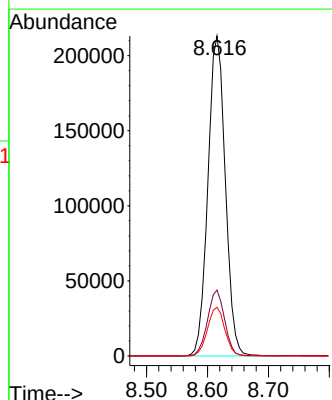
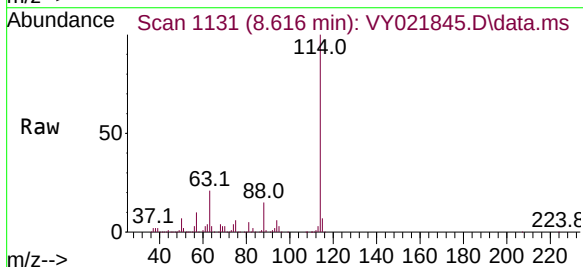
Tgt Ion: 114 Resp: 422581

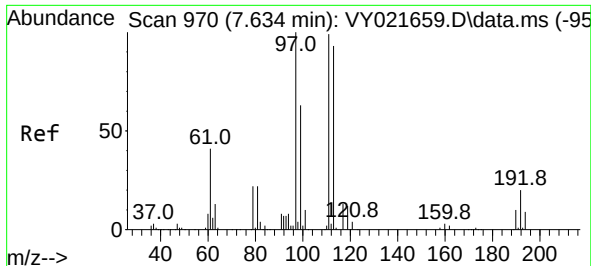
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.2 0.0 29.8

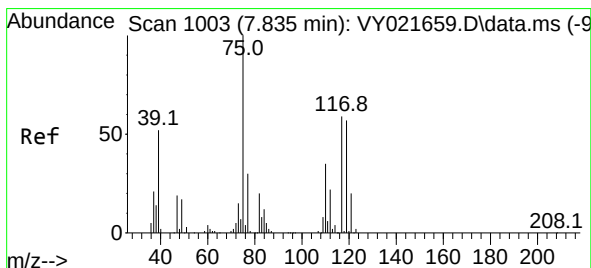
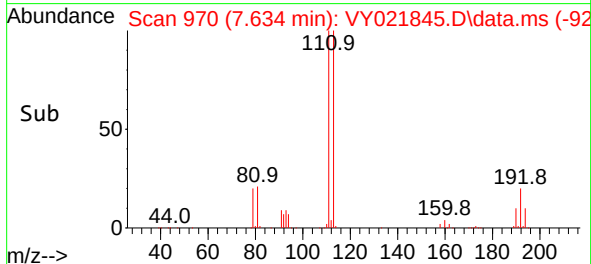
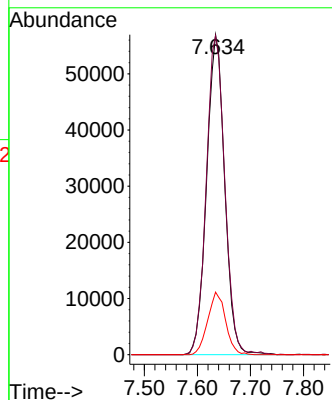
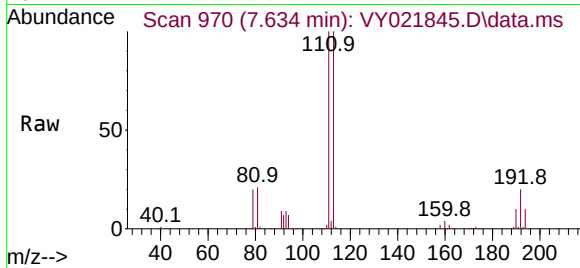




#35
Dibromofluoromethane
Concen: 49.163 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

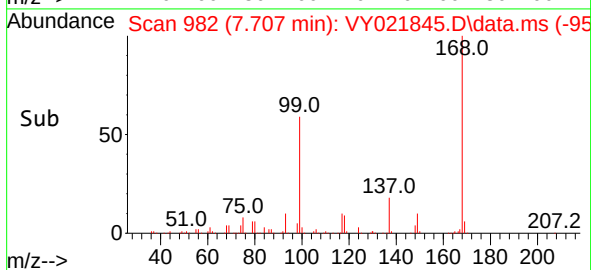
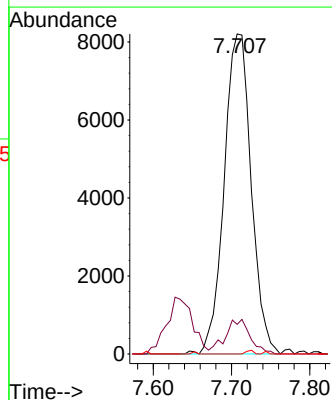
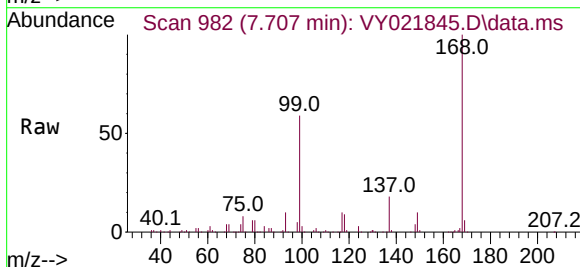
Instrument :
MSVOA_Y
ClientSampleId :
TP-7C-VOC

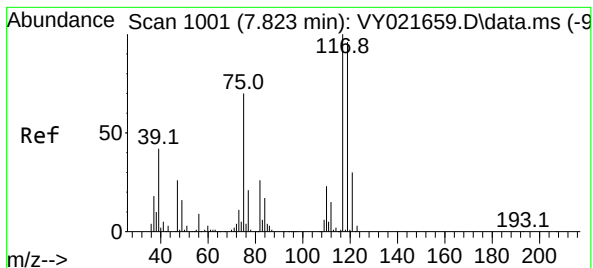
Tgt Ion:113 Resp: 134766
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.4 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.711 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

Tgt Ion: 75 Resp: 19669
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.355 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021845.D

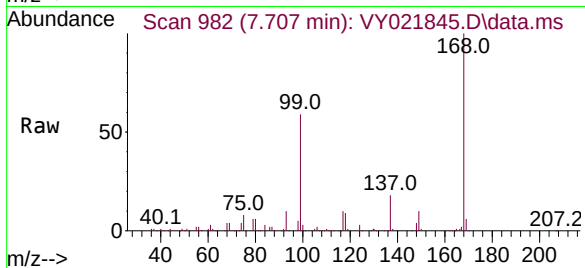
Acq: 10 Apr 2025 17:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-7C-VOC



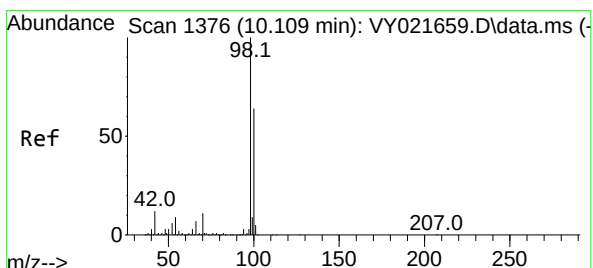
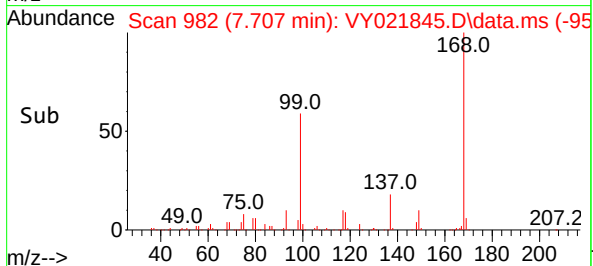
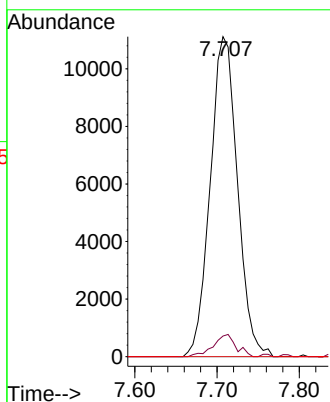
Tgt Ion:117 Resp: 25606

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 49.680 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021845.D

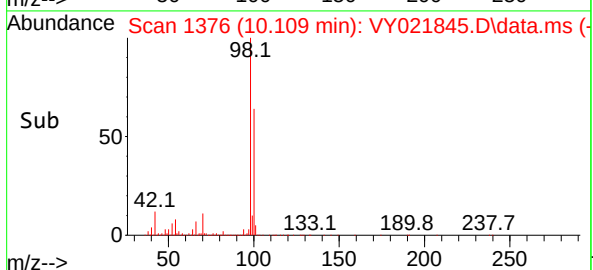
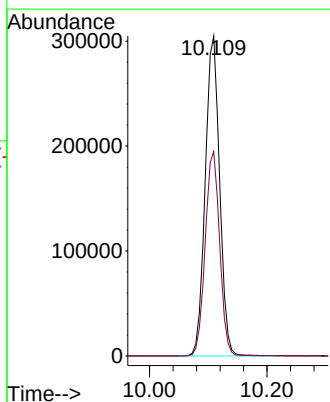
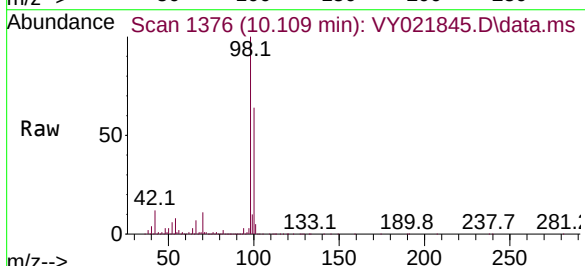
Acq: 10 Apr 2025 17:57

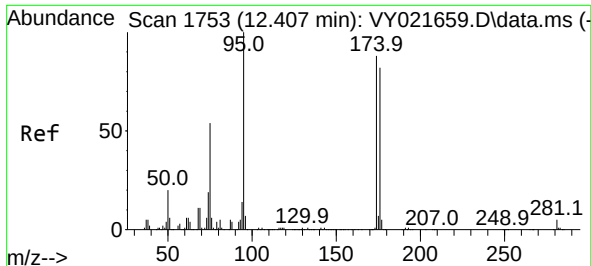
Tgt Ion: 98 Resp: 518078

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1

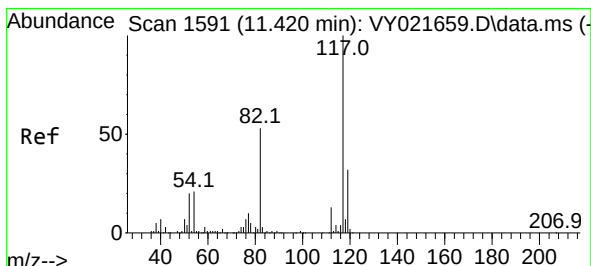
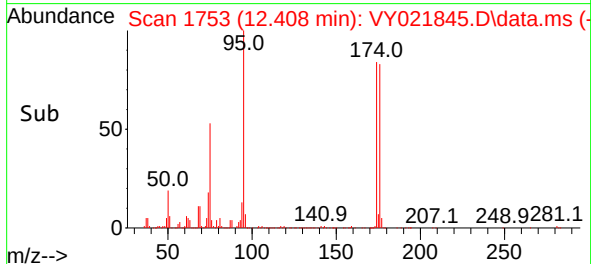
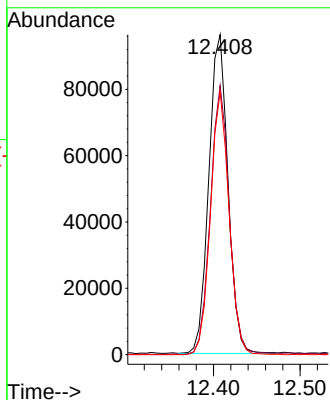
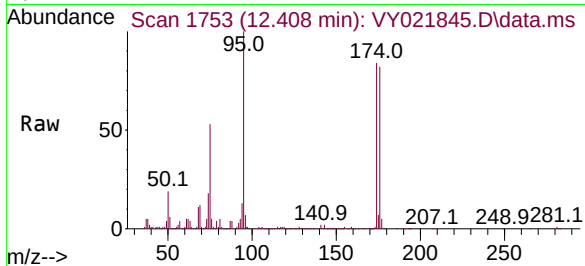




#62
4-Bromofluorobenzene
Concen: 41.858 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

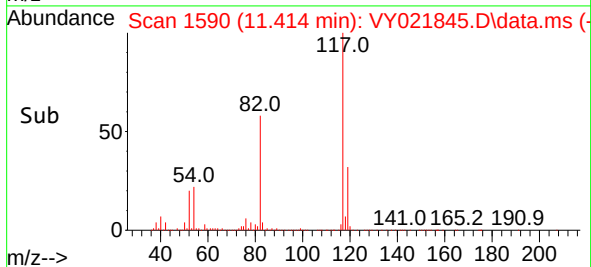
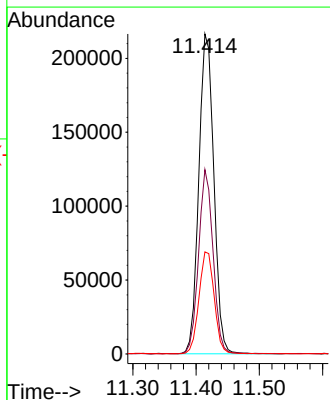
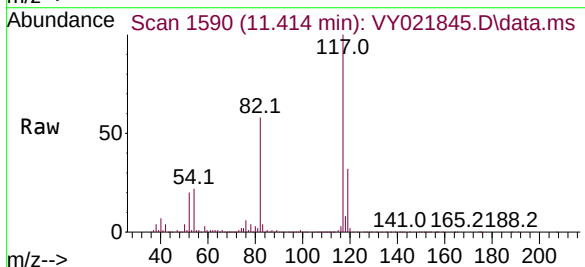
Instrument :
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TP-7C-VOC

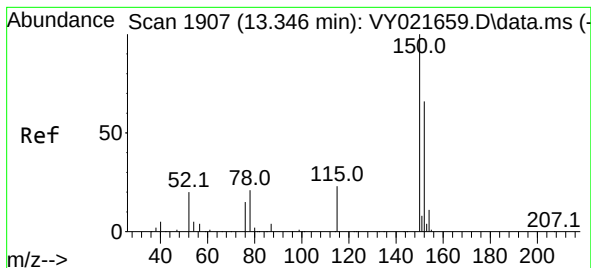
Tgt Ion: 95 Resp: 147649
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.8
176 80.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021845.D
Acq: 10 Apr 2025 17:57

Tgt Ion: 117 Resp: 358302
Ion Ratio Lower Upper
117 100
82 57.5 42.8 64.2
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021845.D

Acq: 10 Apr 2025 17:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-7C-VOC

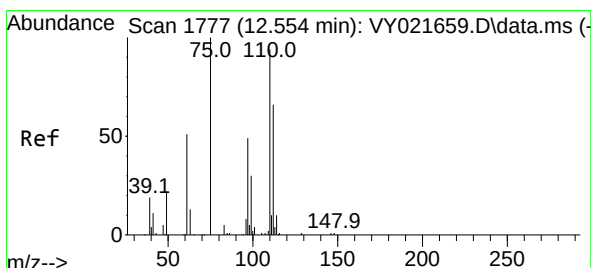
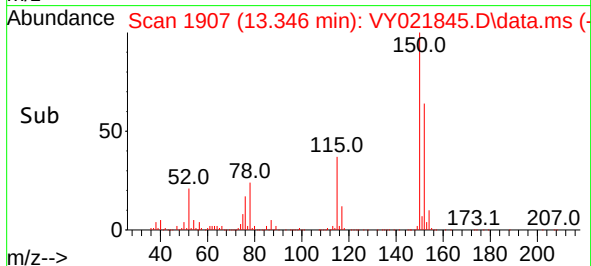
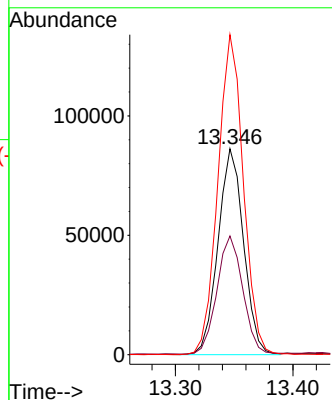
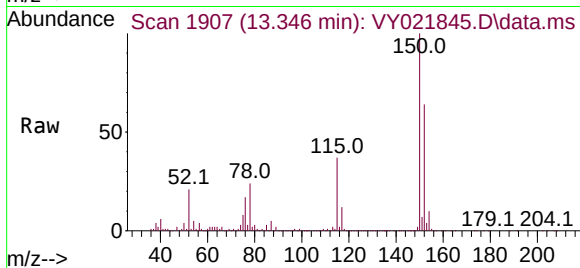
Tgt Ion:152 Resp: 130331

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 155.2 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 59.645 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021845.D

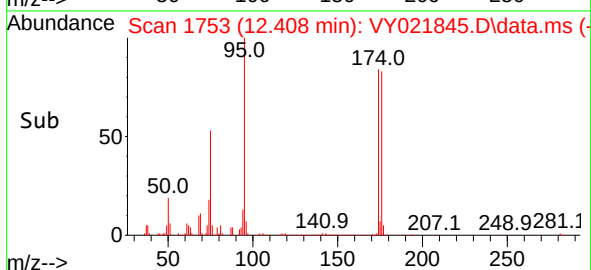
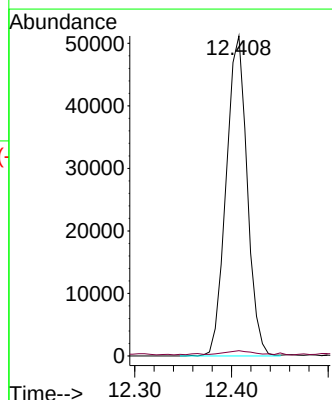
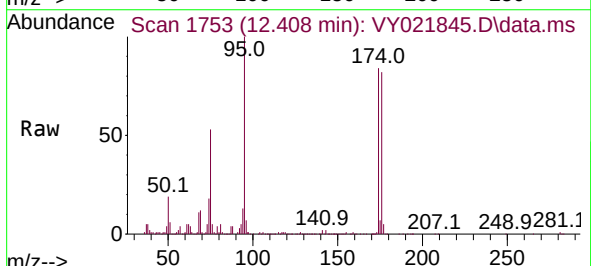
Acq: 10 Apr 2025 17:57

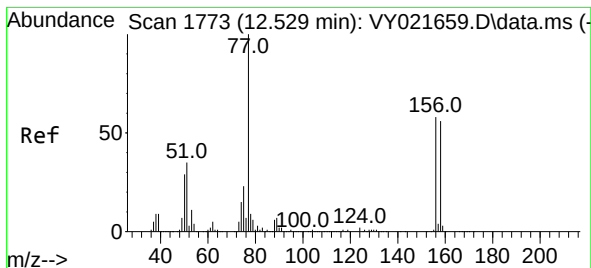
Tgt Ion: 75 Resp: 77056

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#77

Bromobenzene

Concen: 5.553 ug/l

RT: 12.609 min Scan# 1773

Delta R.T. 0.079 min

Lab File: VY021845.D

Acq: 10 Apr 2025 17:57

Instrument :

MSVOA_Y

ClientSampleId :

TP-7C-VOC

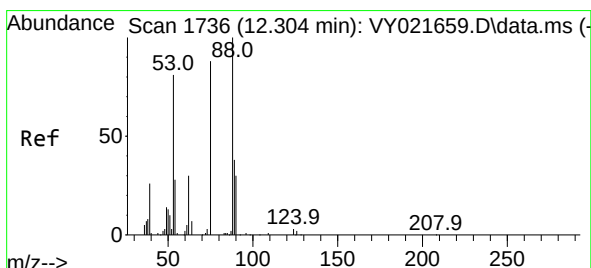
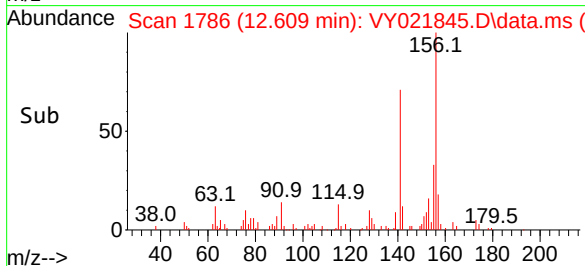
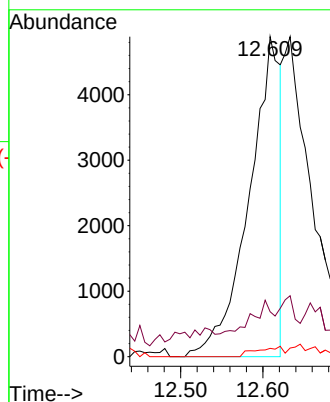
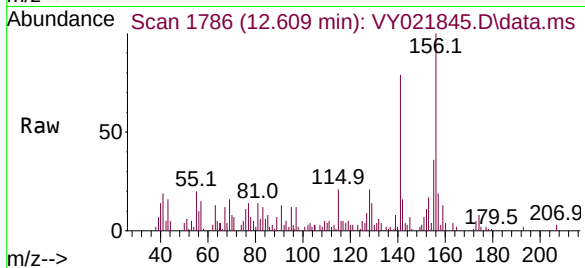
Tgt Ion:156 Resp: 12907

Ion Ratio Lower Upper

156 100

77 6.4 92.8 278.3#

158 2.6 48.5 145.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.432 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021845.D

Acq: 10 Apr 2025 17:57

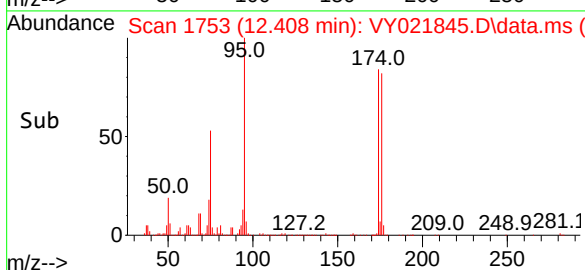
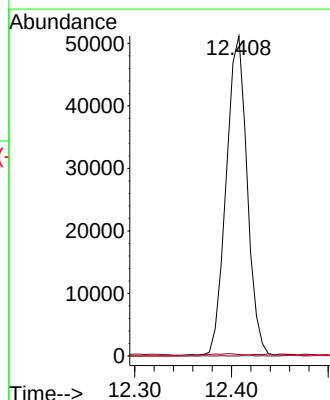
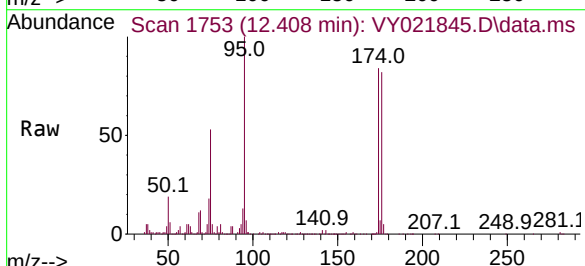
Tgt Ion: 75 Resp: 77056

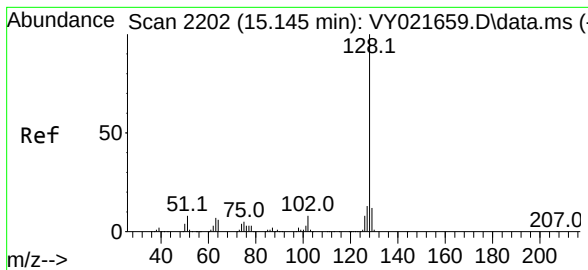
Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

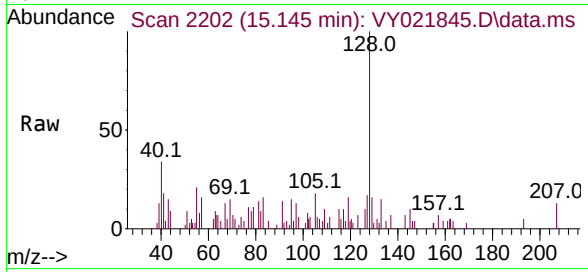
89 0.1 36.2 54.4#





#95
 Naphthalene
 Concen: 1.036 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY021845.D
 Acq: 10 Apr 2025 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7C-VOC



Tgt Ion:	128	Resp:	3712
Ion	Ratio	Lower	Upper
128	100		
127	25.0	10.8	16.2#
129	12.1	8.8	13.2

