

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021640.D
 Acq On : 25 Mar 2025 16:56
 Operator : SY/MD
 Sample : Q1635-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Mar 26 01:38:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

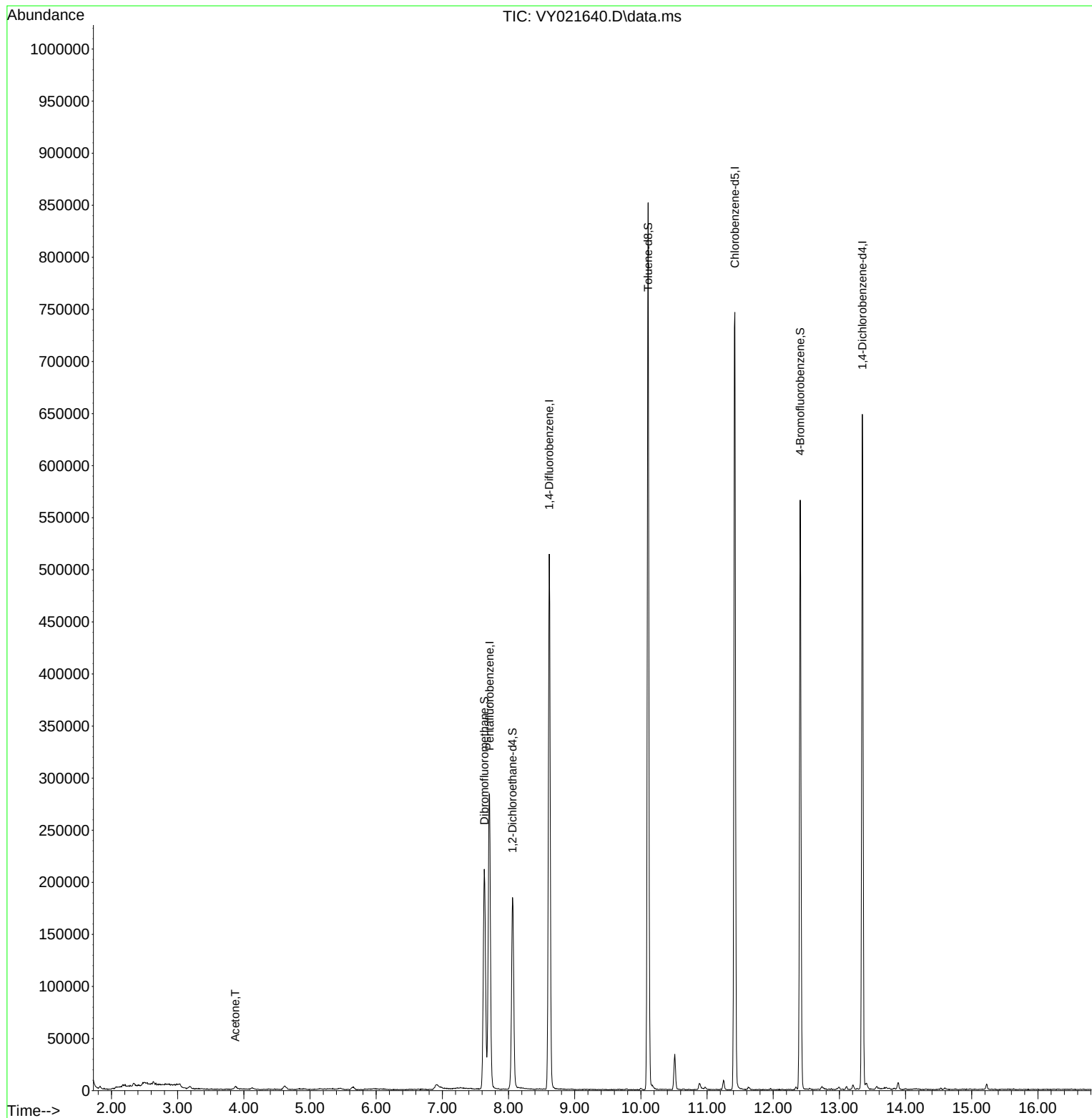
Internal Standards						
1) Pentafluorobenzene	7.713	168	215154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	419827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	391879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144499	63.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.080%
35) Dibromofluoromethane	7.634	113	146078	52.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.860%
50) Toluene-d8	10.109	98	518303	49.605	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.408	95	163009	45.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.720%
Target Compounds						
16) Acetone	3.873	43	4910	9.899	ug/l	Qvalue # 79

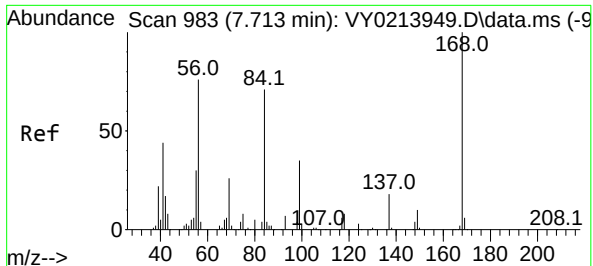
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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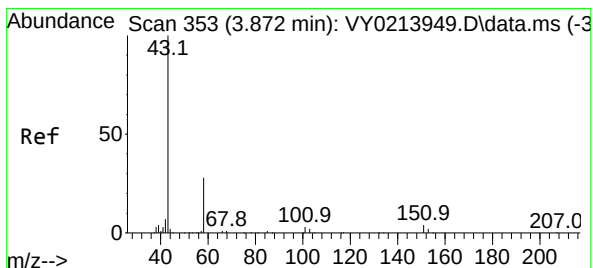
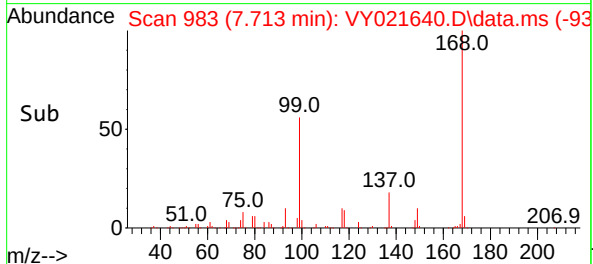
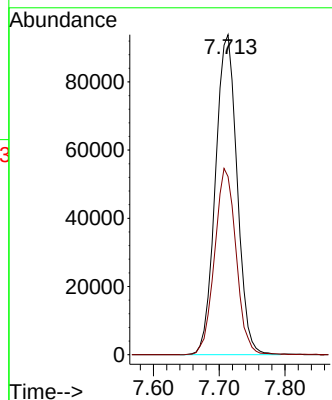
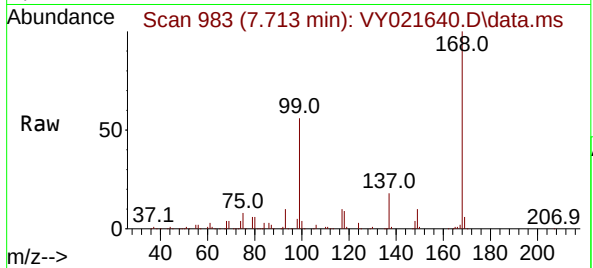




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

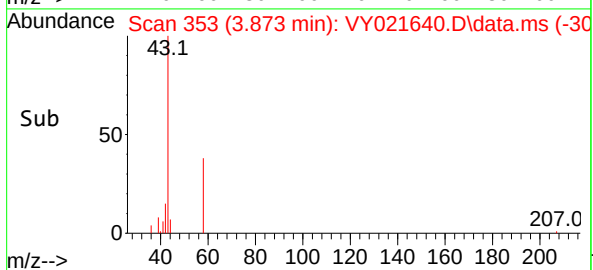
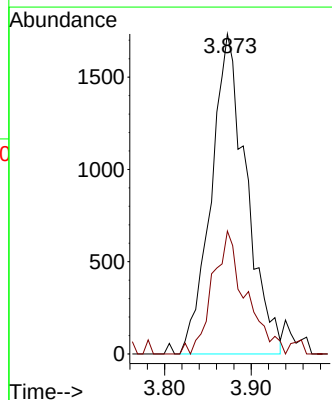
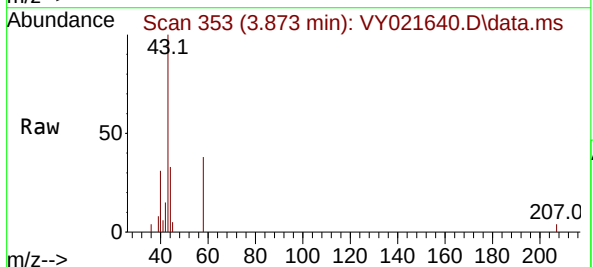
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

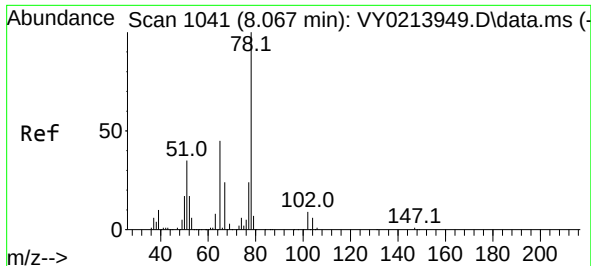
Tgt Ion:168 Resp: 215154
Ion Ratio Lower Upper
168 100
99 55.7 46.0 69.0



#16
Acetone
Concen: 9.899 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
58 38.4 22.1 33.1#





#33

1,2-Dichloroethane-d4

Concen: 63.543 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021640.D

Acq: 25 Mar 2025 16:56

Instrument :

MSVOA_Y

ClientSampleId :

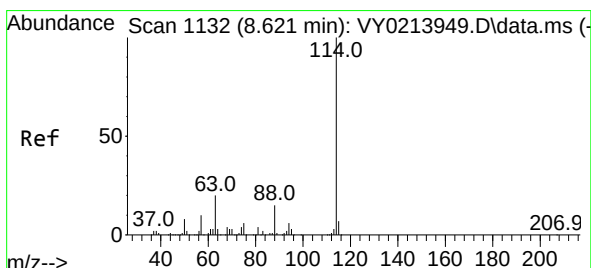
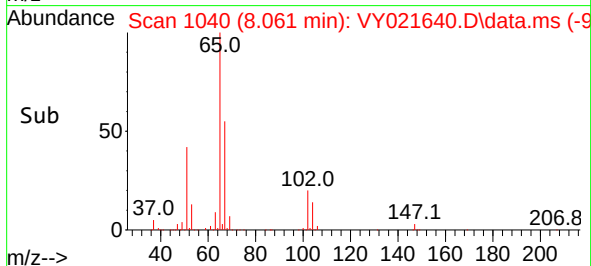
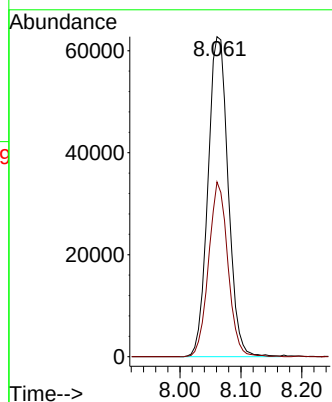
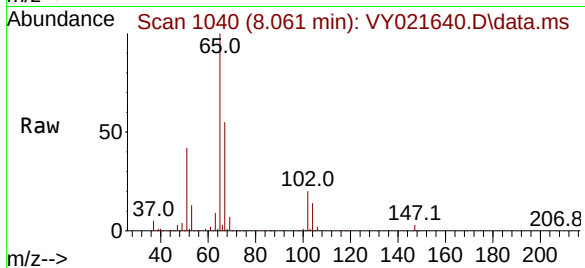
TP-2-VOC

Tgt Ion: 65 Resp: 144499

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021640.D

Acq: 25 Mar 2025 16:56

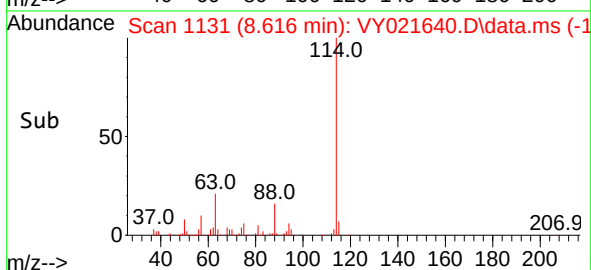
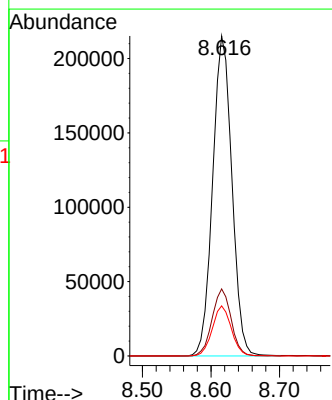
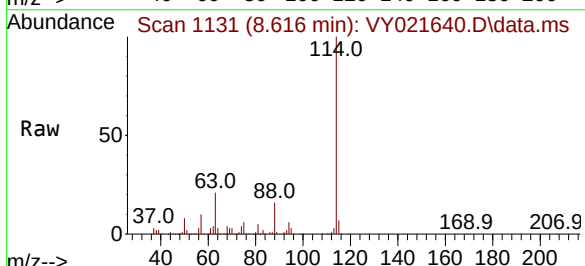
Tgt Ion: 114 Resp: 419827

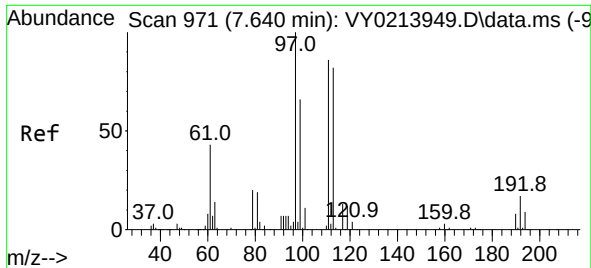
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.7 0.0 30.8

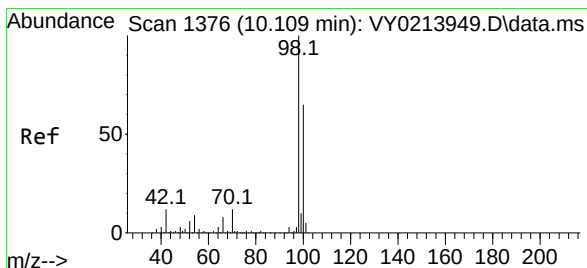
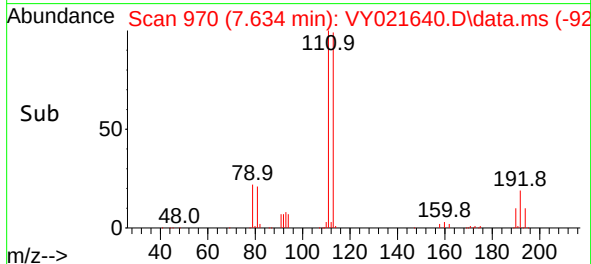
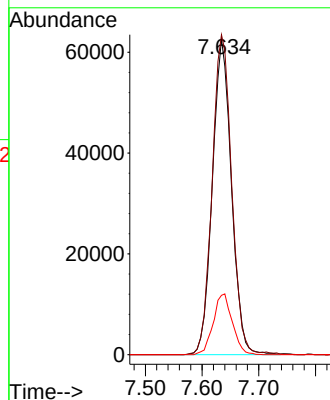
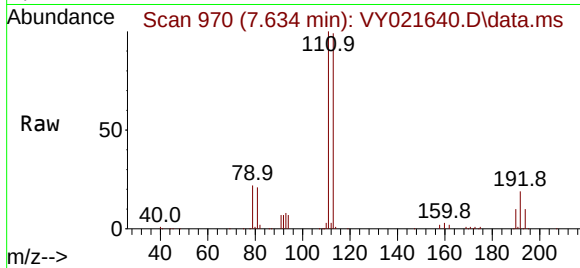




#35
Dibromofluoromethane
Concen: 52.935 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

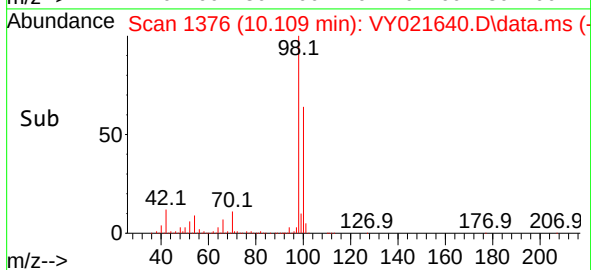
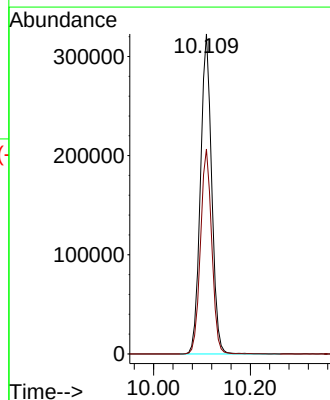
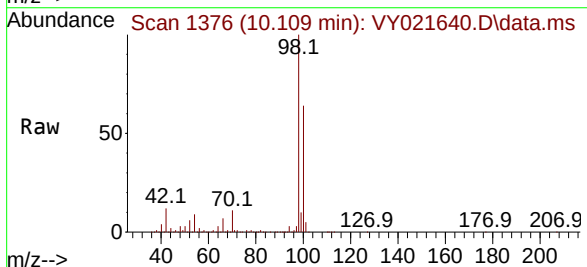
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

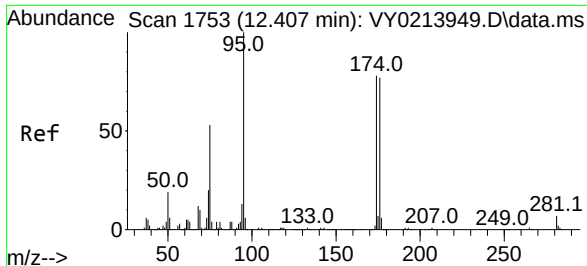
Tgt Ion:113 Resp: 146078
Ion Ratio Lower Upper
113 100
111 104.1 82.0 123.0
192 19.2 15.9 23.9



#50
Toluene-d8
Concen: 49.605 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 98 Resp: 518303
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

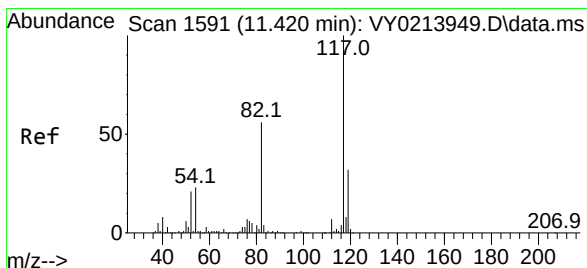
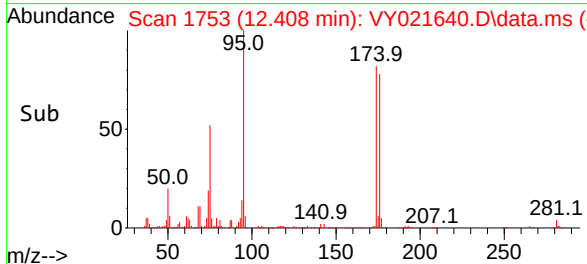
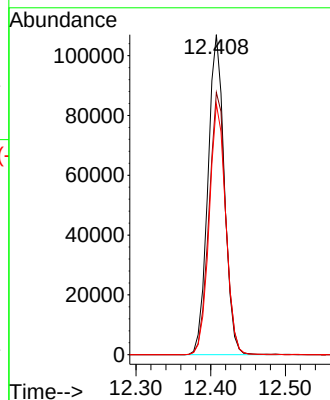
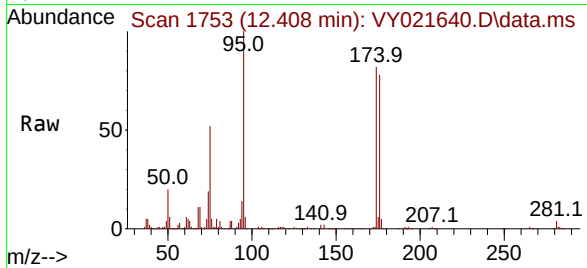




#62
4-Bromofluorobenzene
Concen: 45.864 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

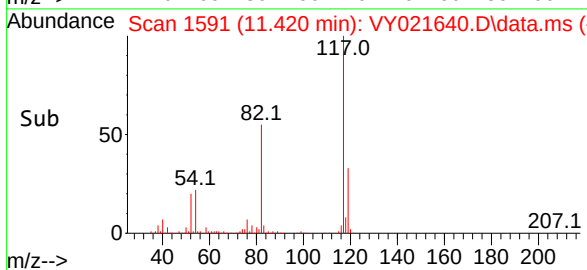
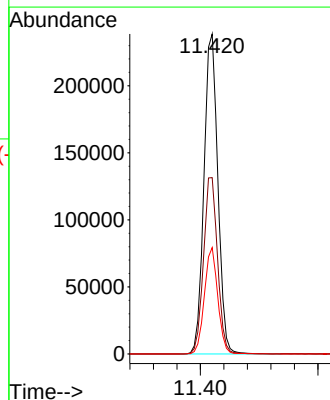
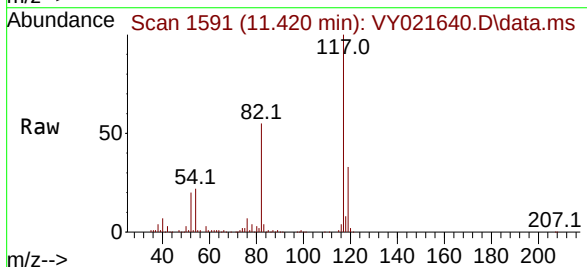
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

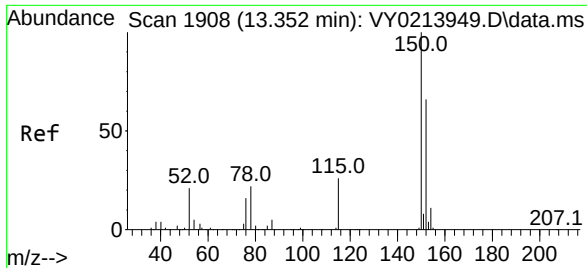
Tgt Ion: 95 Resp: 163009
Ion Ratio Lower Upper
95 100
174 83.4 0.0 165.0
176 78.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 117 Resp: 391879
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 33.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021640.D

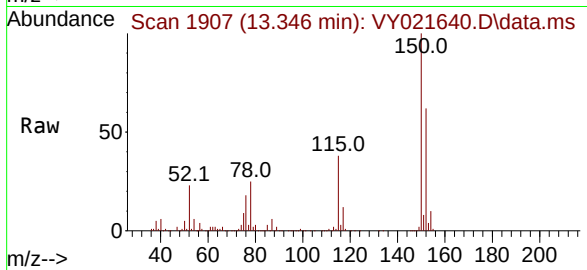
Acq: 25 Mar 2025 16:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC



Tgt Ion:152 Resp: 157537

Ion Ratio Lower Upper

152 100

115 58.5 29.0 87.0

150 156.8 0.0 347.2

