

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021649.D
 Acq On : 26 Mar 2025 16:11
 Operator : SY/MD
 Sample : Q1645-03
 Misc : 4.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-VOC

Quant Time: Mar 27 01:32:40 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)

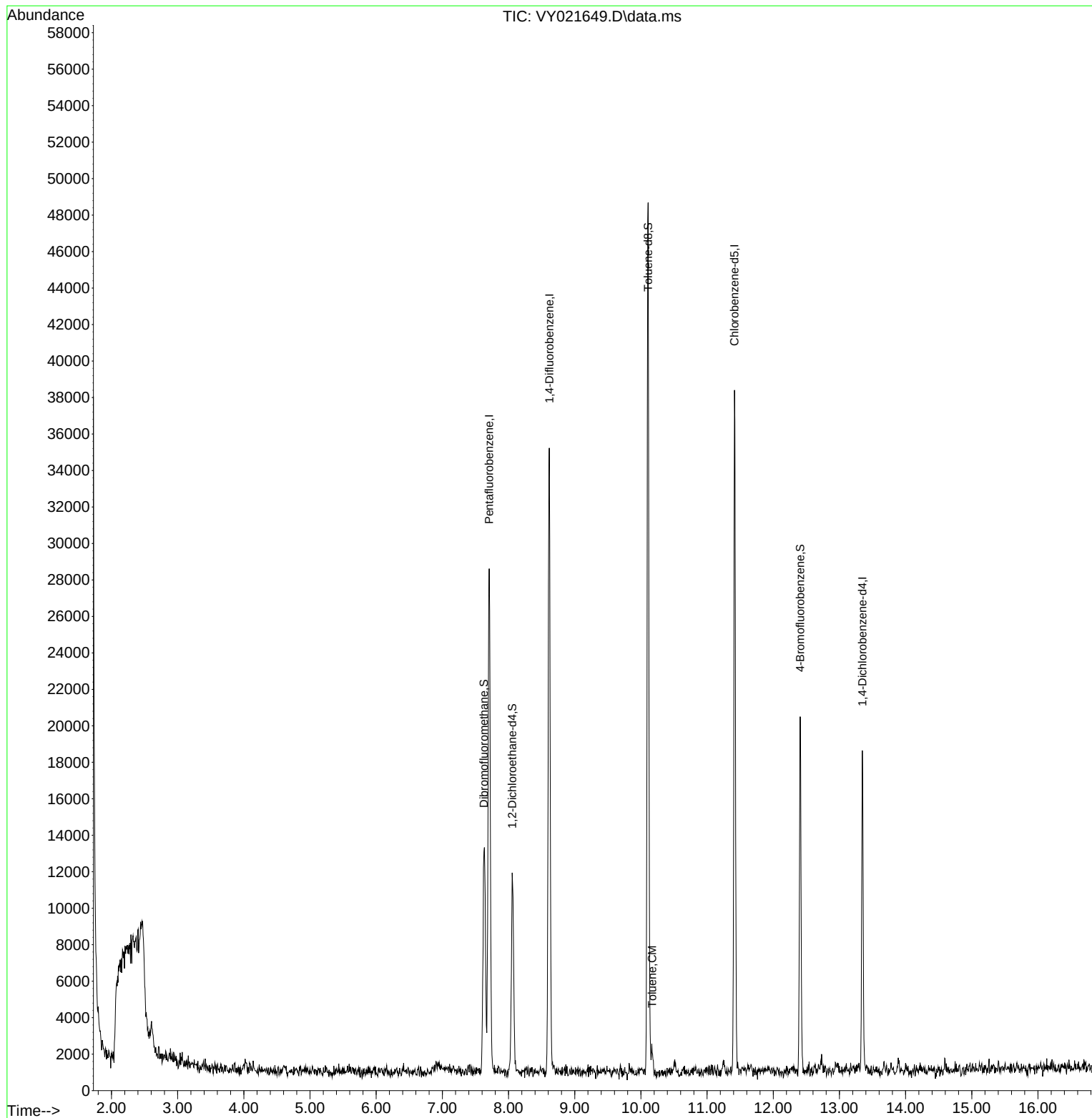
Internal Standards						
1) Pentafluorobenzene	7.707	168	20973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	28734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	19531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	4245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	8970	40.465	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.940%
35) Dibromofluoromethane	7.628	113	9192	48.668	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.340%
50) Toluene-d8	10.109	98	32150	44.957	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.920%
62) 4-Bromofluorobenzene	12.407	95	5572	22.906	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.820%
Target Compounds						
52) Toluene	10.170	92	560	1.020	ug/l	# 70

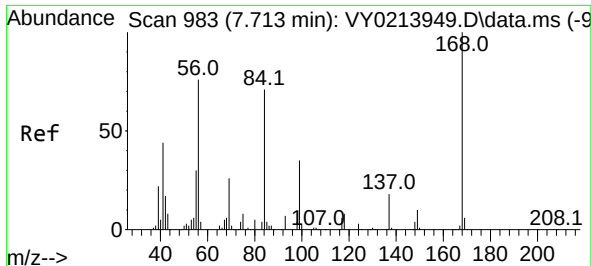
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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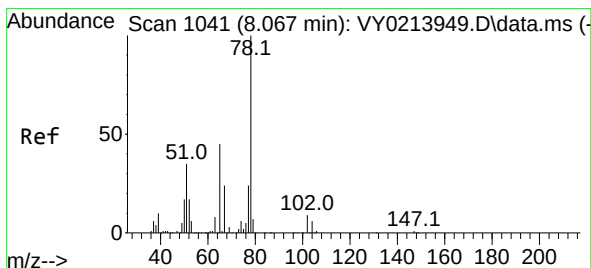
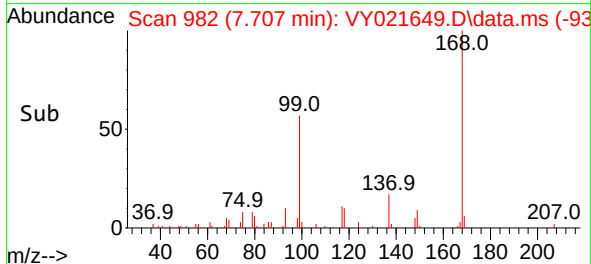
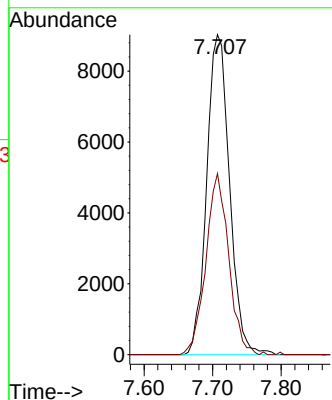
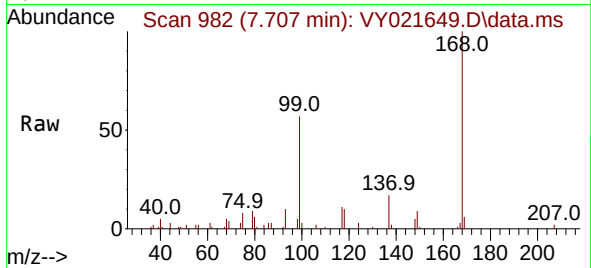




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

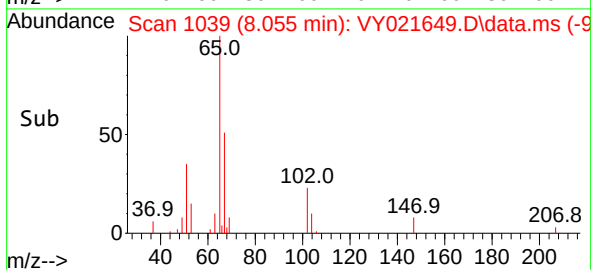
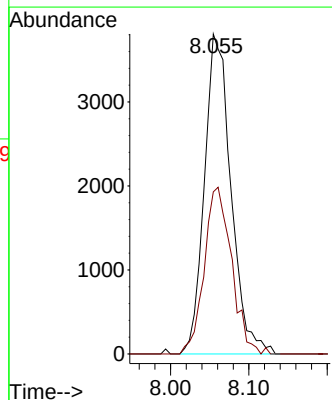
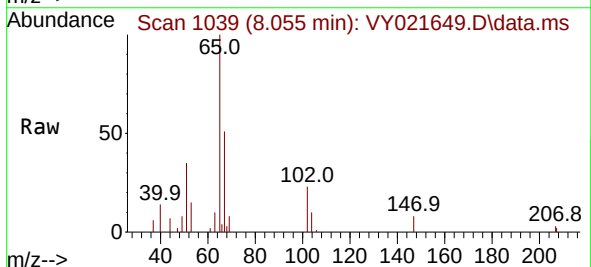
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

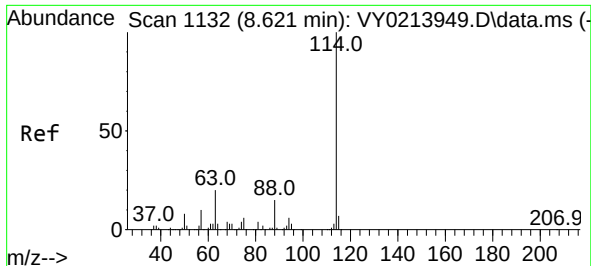
Tgt Ion:168 Resp: 20973
Ion Ratio Lower Upper
168 100
99 56.6 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 40.465 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

Tgt Ion: 65 Resp: 8970
Ion Ratio Lower Upper
65 100
67 53.7 0.0 102.8

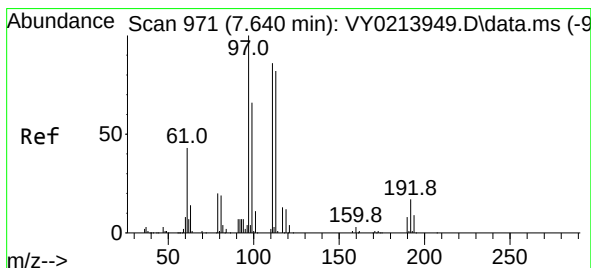
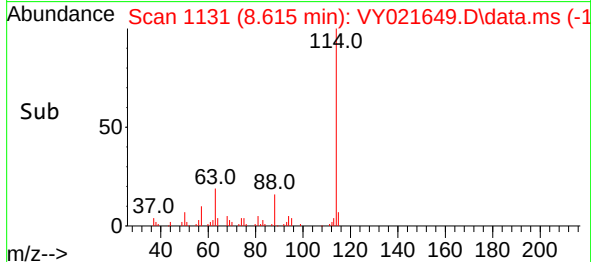
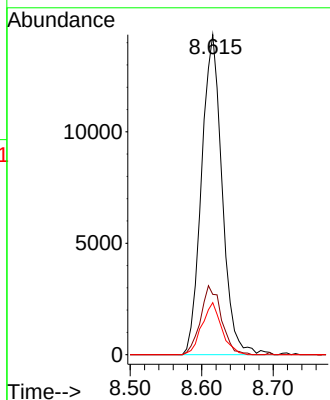
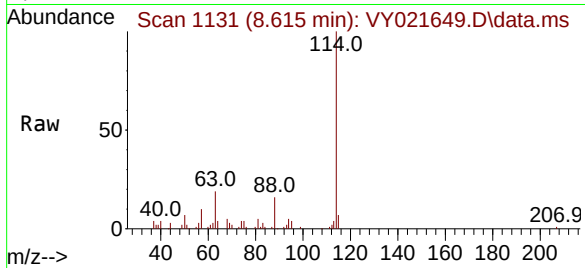




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

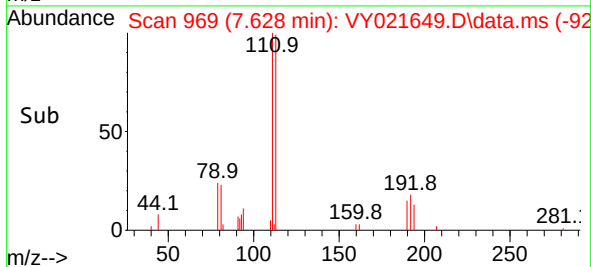
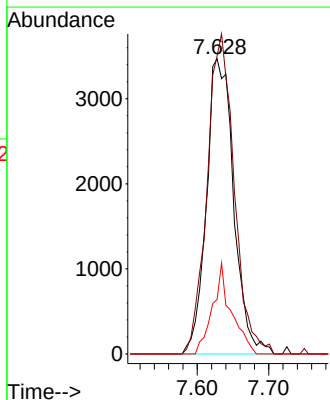
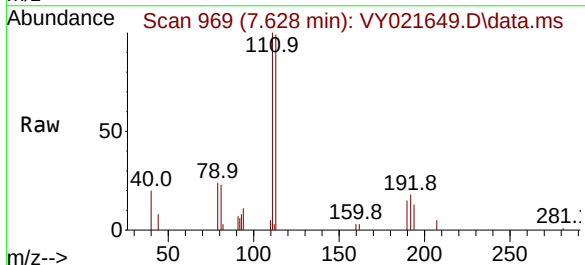
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

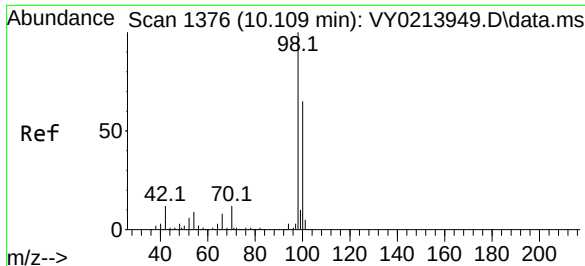
Tgt Ion:114	Resp:	28734
Ion Ratio	Lower	Upper
114	100	
63	18.9	0.0 40.8
88	16.3	0.0 30.8



#35
Dibromofluoromethane
Concen: 48.668 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

Tgt Ion:113	Resp:	9192
Ion Ratio	Lower	Upper
113	100	
111	107.5	82.0 123.0
192	21.1	15.9 23.9

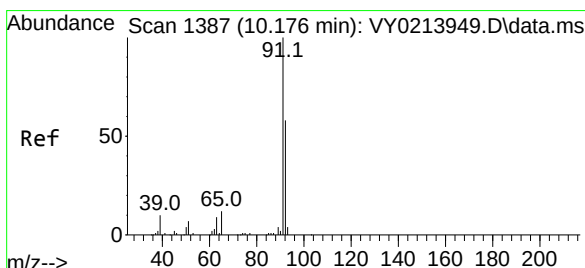
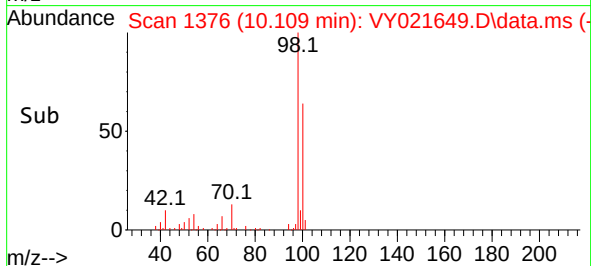
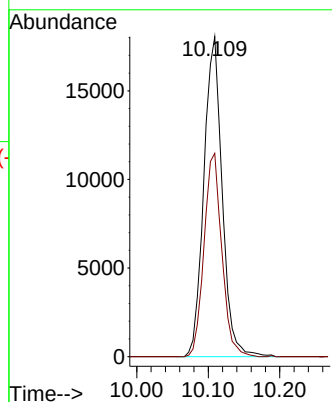
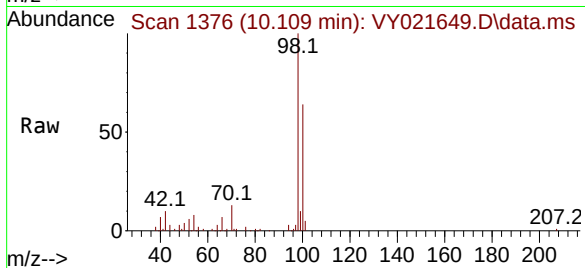




#50
Toluene-d8
Concen: 44.957 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

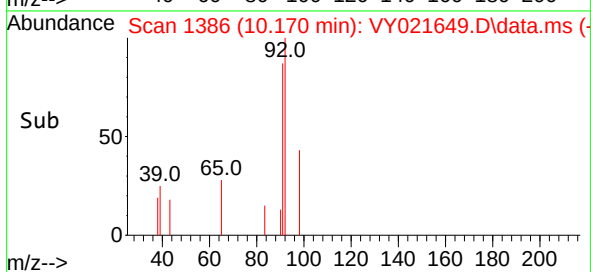
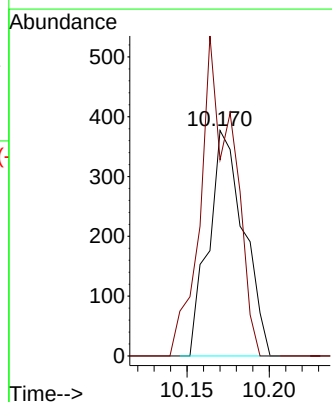
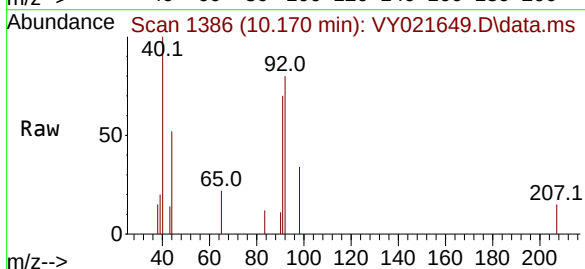
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

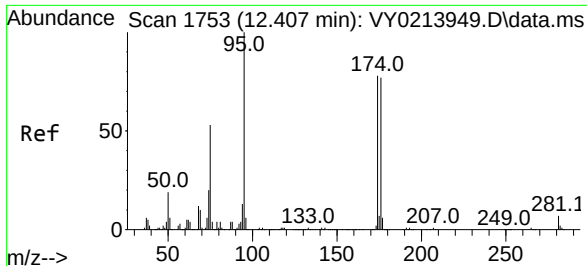
Tgt Ion: 98 Resp: 32150
Ion Ratio Lower Upper
98 100
100 61.7 52.1 78.1



#52
Toluene
Concen: 1.020 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

Tgt Ion: 92 Resp: 560
Ion Ratio Lower Upper
92 100
91 130.9 138.2 207.2#

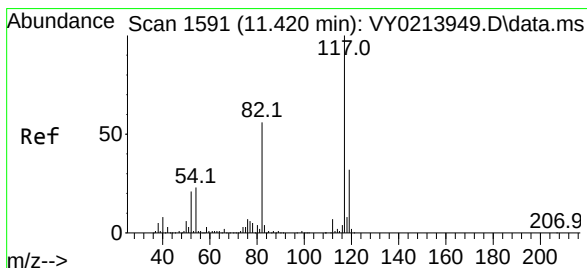
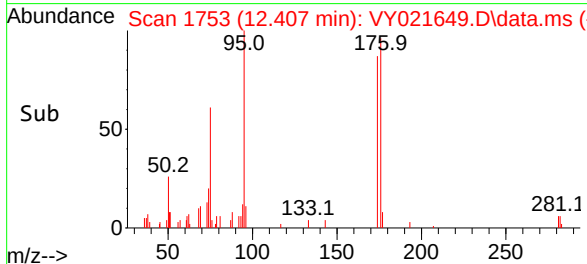
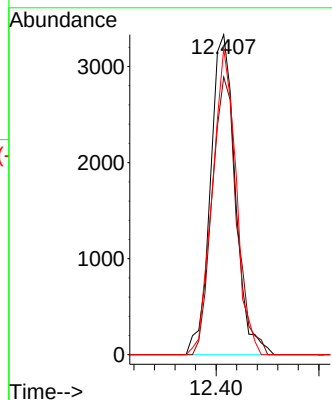
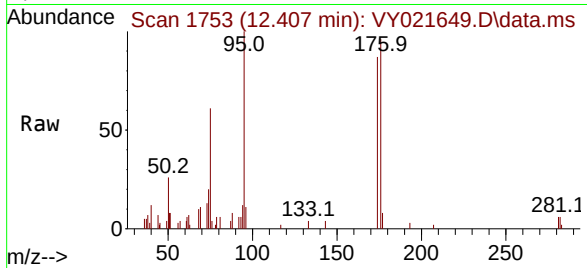




#62
4-Bromofluorobenzene
Concen: 22.906 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

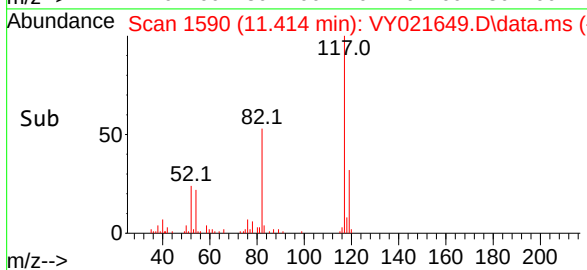
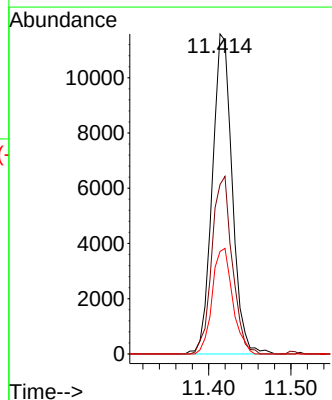
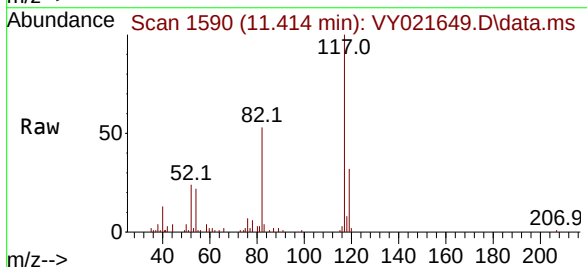
Instrument :
MSVOA_Y
ClientSampleId :
TP-4-VOC

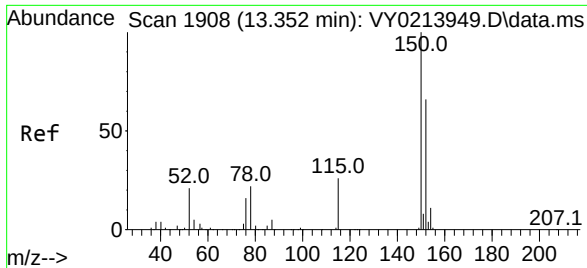
Tgt Ion:	95	Resp:	5572
Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	165.0
176	91.3	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021649.D
Acq: 26 Mar 2025 16:11

Tgt Ion:	117	Resp:	19531
Ion	Ratio	Lower	Upper
117	100		
82	52.9	44.6	67.0
119	32.0	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: VY021649.D

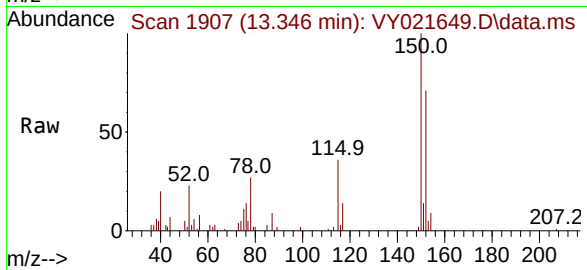
Acq: 26 Mar 2025 16:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-VOC



Tgt Ion:152 Resp: 4245

Ion Ratio Lower Upper

152 100

115 55.3 29.0 87.0

150 159.5 0.0 347.2

