

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020941.D
 Acq On : 27 Jan 2025 11:43
 Operator : SY/MD
 Sample : Q1187-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-COMP

Quant Time: Jan 28 01:11:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

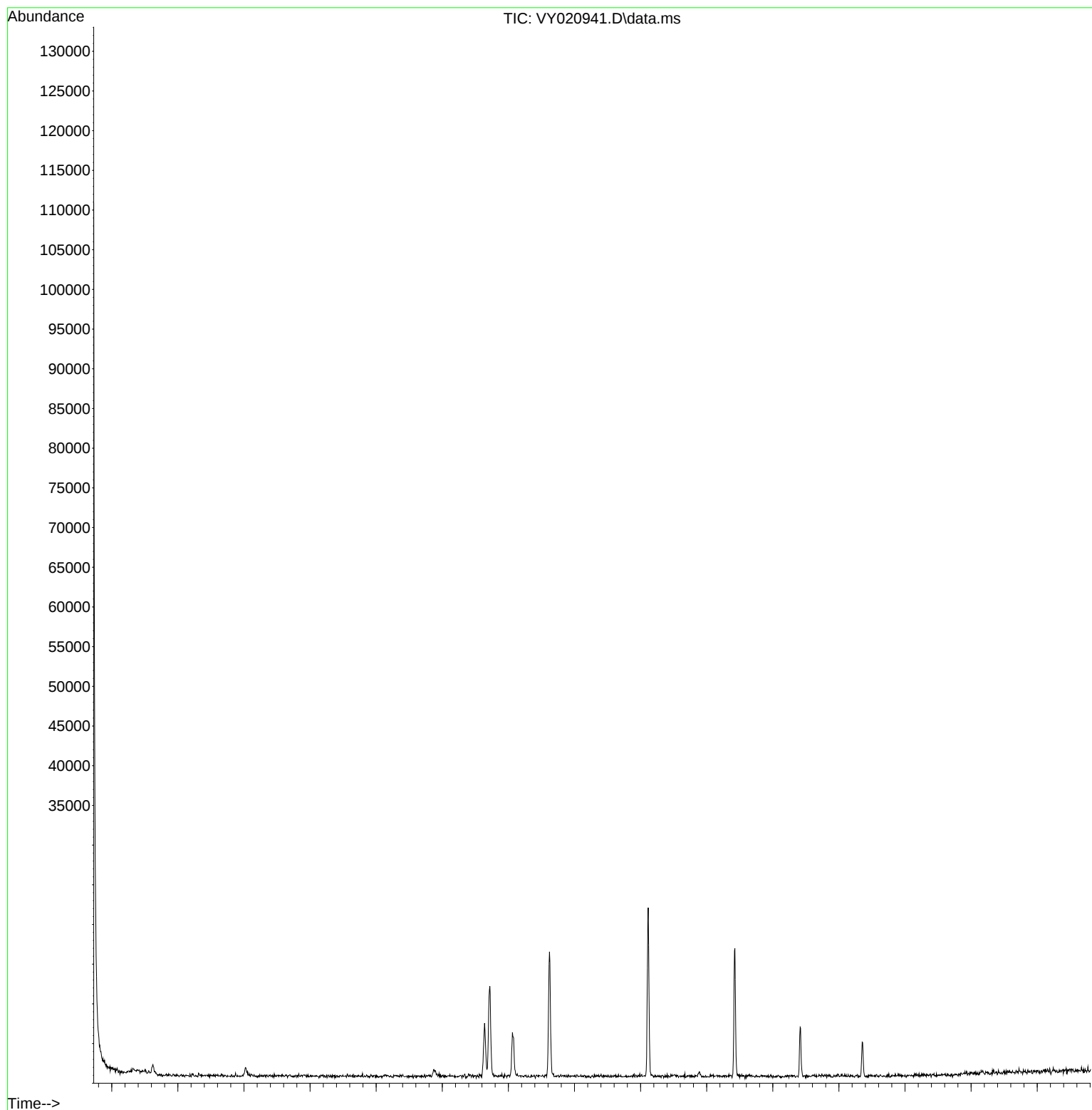
Internal Standards						
1) Pentafluorobenzene	7.719	168	10632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	15249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	1429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	4977	58.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.420%
35) Dibromofluoromethane	7.640	113	4657	53.197	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.400%
50) Toluene-d8	10.115	98	15012	44.210	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.420%
62) 4-Bromofluorobenzene	12.414	95	2350	20.795	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	41.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.623	94	662	14.994	ug/l #	49
10) Methyl Iodide	4.019	142	1832	16.821	ug/l #	95

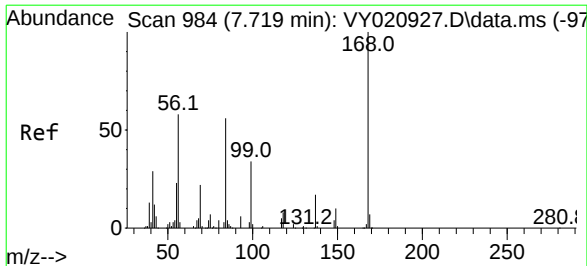
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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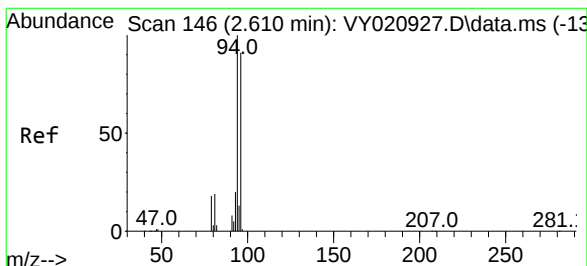
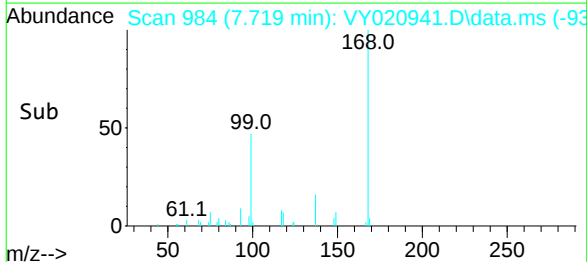
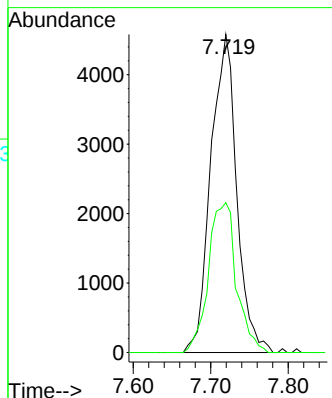
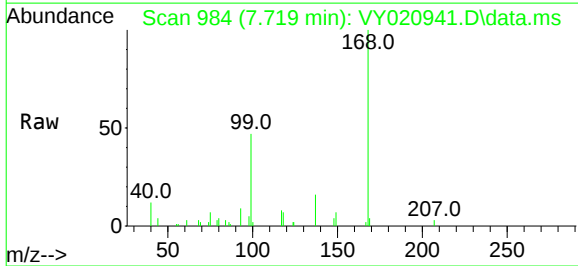




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020941.D
Acq: 27 Jan 2025 11:43

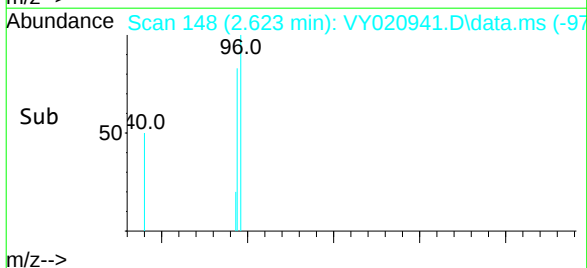
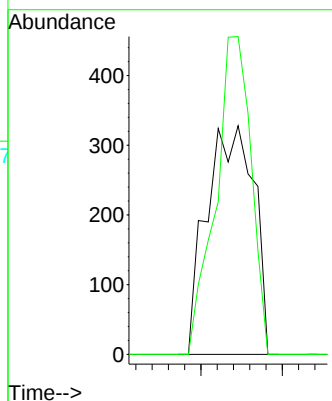
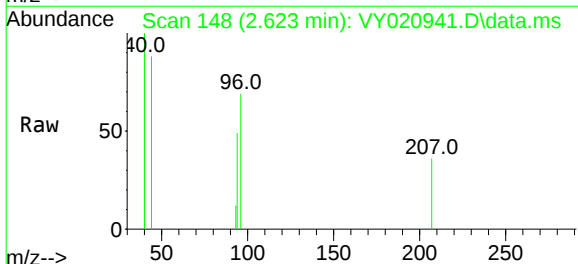
Instrument :
MSVOA_Y
ClientSampleId :
SP-COMP

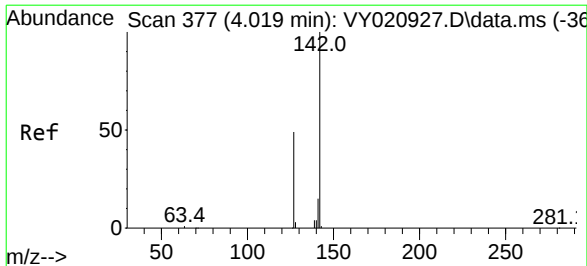
Tgt Ion:168 Resp: 10632
Ion Ratio Lower Upper
168 100
99 47.1 43.0 64.6



#5
Bromomethane
Concen: 14.994 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.012 min
Lab File: VY020941.D
Acq: 27 Jan 2025 11:43

Tgt Ion: 94 Resp: 662
Ion Ratio Lower Upper
94 100
96 139.0 72.6 109.0#

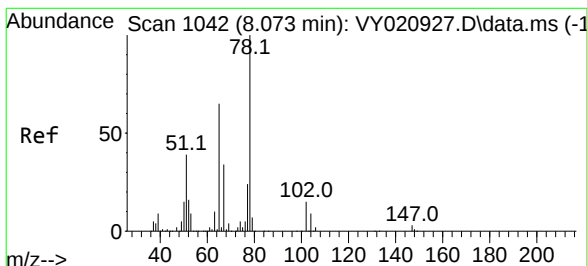
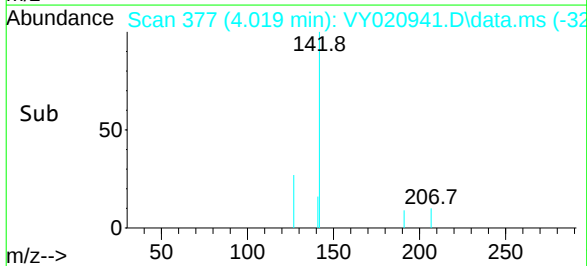
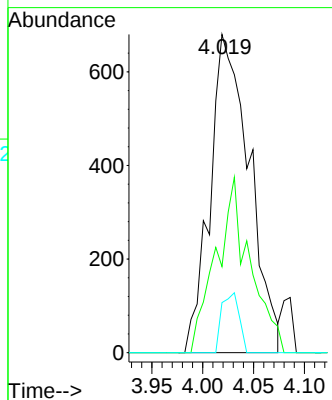
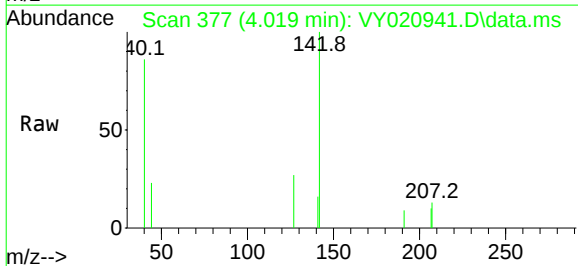




#10
Methyl Iodide
Concen: 16.821 ug/l
RT: 4.019 min Scan# 37
Delta R.T. 0.000 min
Lab File: VY020941.D
Acq: 27 Jan 2025 11:43

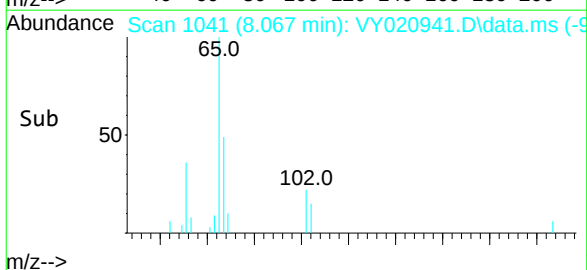
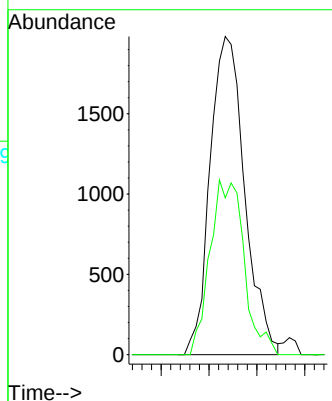
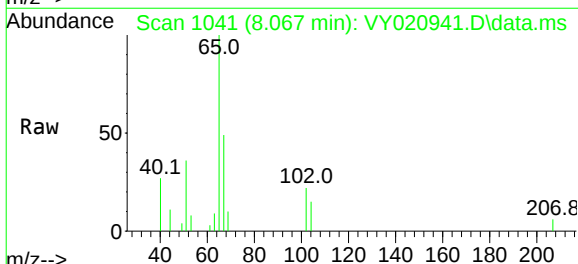
Instrument :
MSVOA_Y
ClientSampleId :
SP-COMP

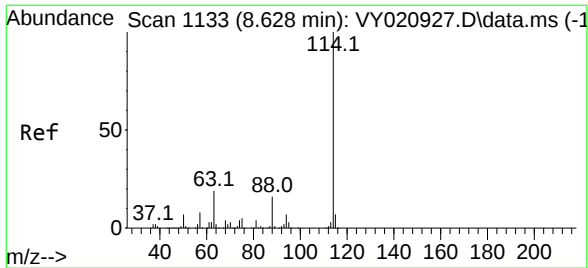
Tgt Ion:	142	Resp:	1832
Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.3	55.9
141	8.3	11.4	17.2



#33
1,2-Dichloroethane-d4
Concen: 58.712 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020941.D
Acq: 27 Jan 2025 11:43

Tgt Ion:	65	Resp:	4977
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8

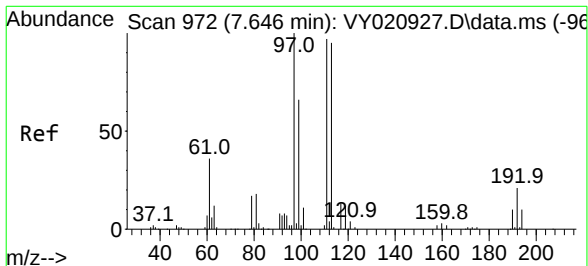
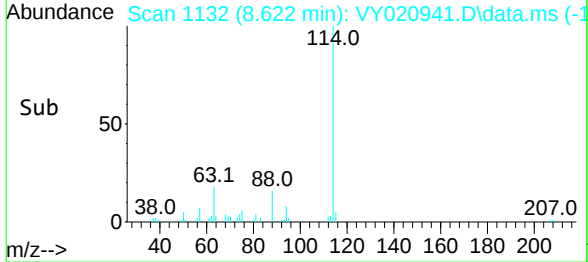
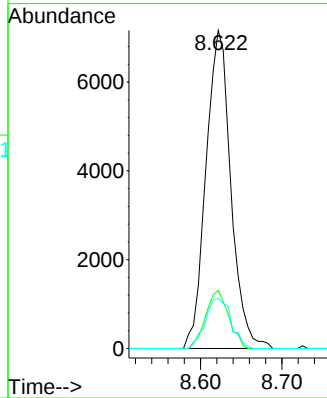
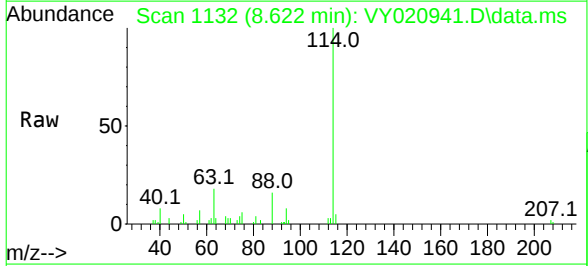




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020941.D
Acq: 27 Jan 2025 11:43

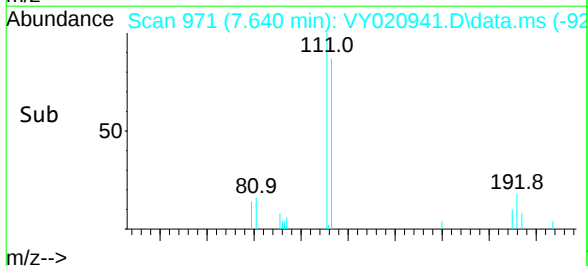
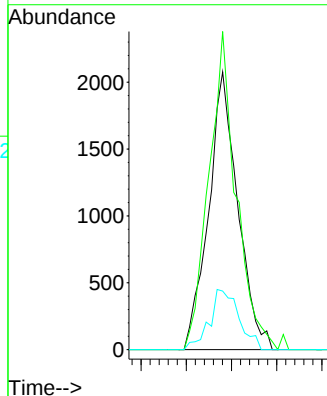
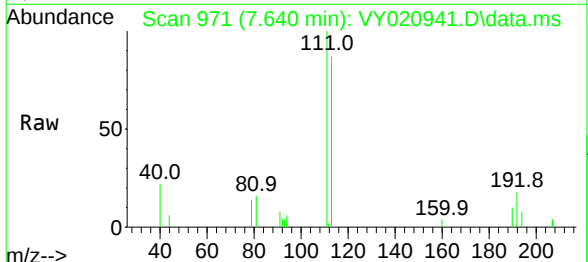
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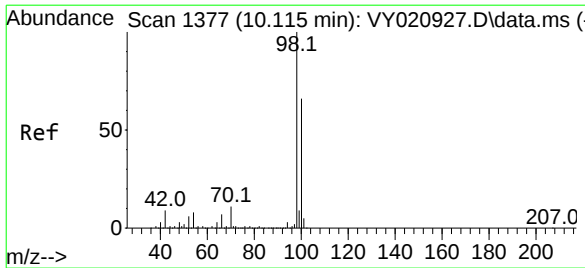
Tgt Ion:	114	Resp:	15249
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	15.8	0.0	31.6



#35
Dibromofluoromethane
Concen: 53.197 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020941.D
Acq: 27 Jan 2025 11:43

Tgt Ion:	113	Resp:	4657
Ion	Ratio	Lower	Upper
113	100		
111	107.4	82.3	123.5
192	21.8	17.4	26.2





#50

Toluene-d8

Concen: 44.210 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VY020941.D

Acq: 27 Jan 2025 11:43

Instrument :

MSVOA_Y

ClientSampleId :

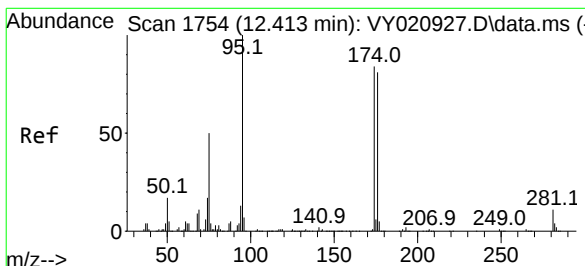
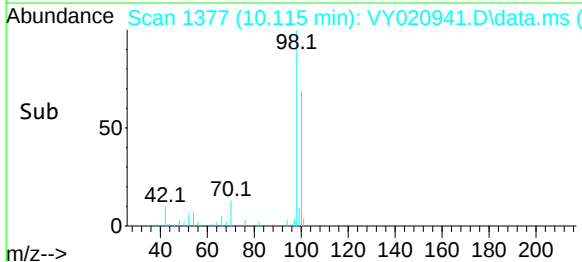
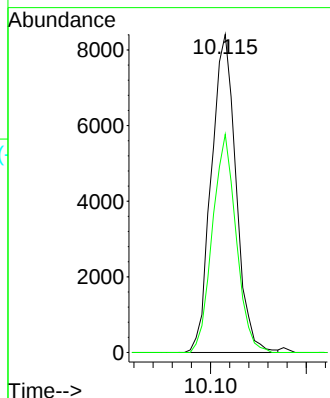
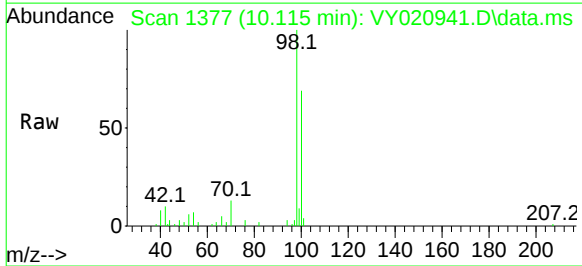
SP-COMP

Tgt Ion: 98 Resp: 15012

Ion Ratio Lower Upper

98 100

100 66.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 20.795 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY020941.D

Acq: 27 Jan 2025 11:43

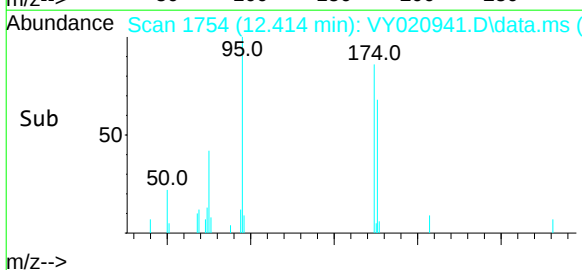
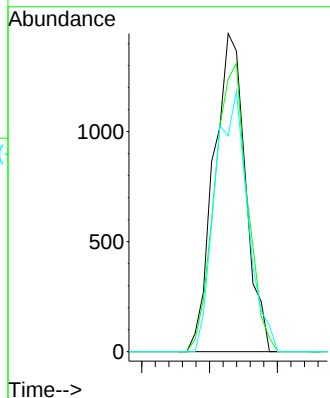
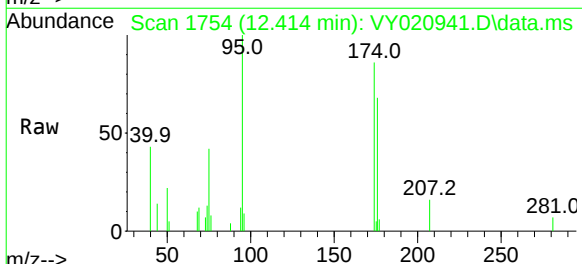
Tgt Ion: 95 Resp: 2350

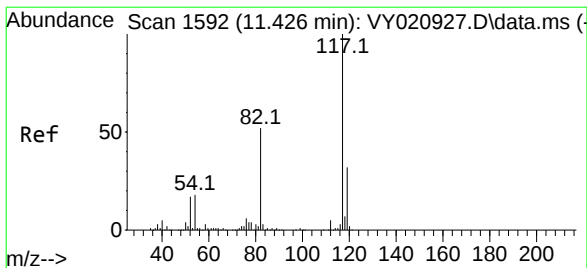
Ion Ratio Lower Upper

95 100

174 92.6 0.0 177.4

176 84.3 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1592

Delta R.T. -0.006 min

Lab File: VY020941.D

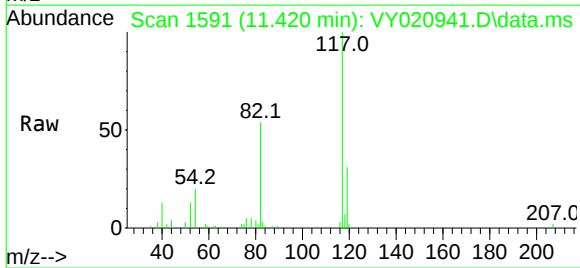
Acq: 27 Jan 2025 11:43

Instrument :

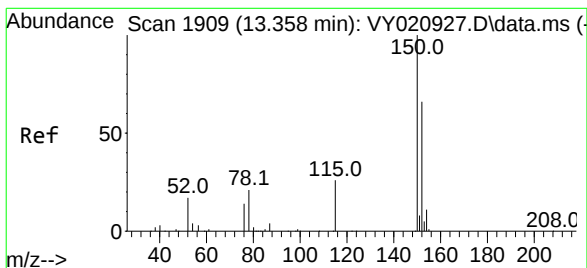
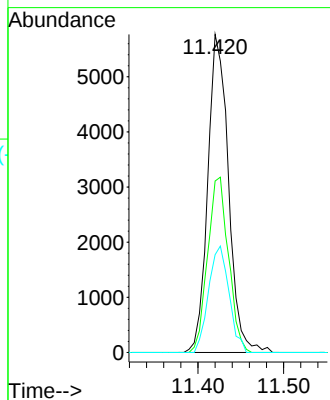
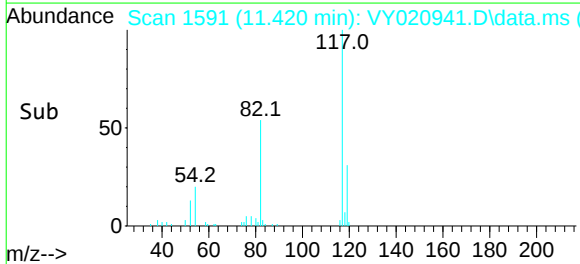
MSVOA_Y

ClientSampleId :

SP-COMP



Tgt Ion:	117	Resp:	9679
Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.8
119	30.7	26.0	39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VY020941.D

Acq: 27 Jan 2025 11:43

Tgt Ion:	152	Resp:	1429
Ion	Ratio	Lower	Upper
152	100		
115	55.7	29.0	87.0
150	147.7	0.0	347.6

