

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085923.D
 Acq On : 10 Mar 2025 18:47
 Operator : JC\MD
 Sample : Q1516-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GAS-AUD-25-0026

Quant Time: Mar 11 01:41:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

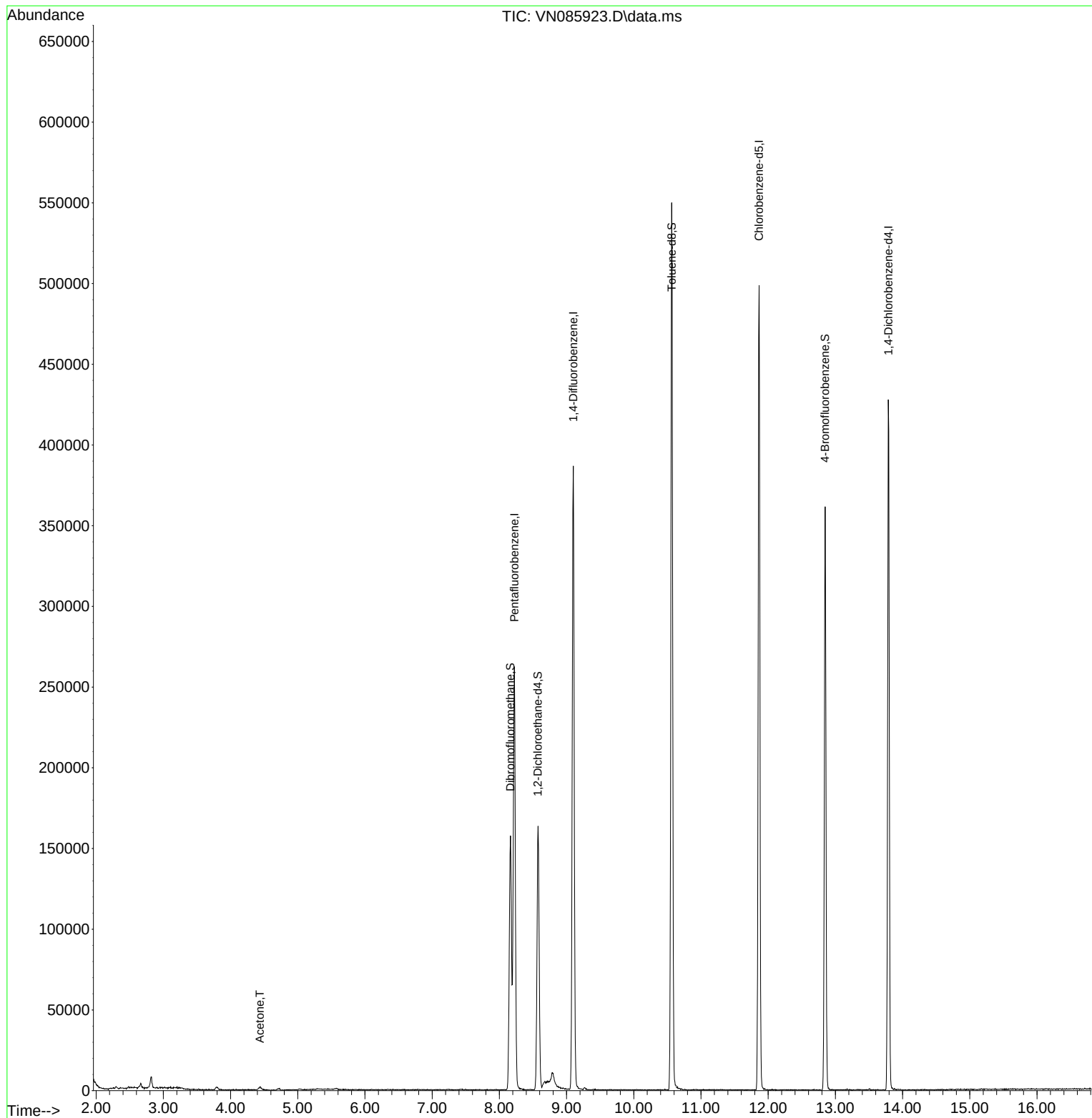
Internal Standards						
1) Pentafluorobenzene	8.224	168	181631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	134756	57.227	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.460%
35) Dibromofluoromethane	8.165	113	113352	51.525	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.040%
50) Toluene-d8	10.565	98	388785	48.573	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.140%
62) 4-Bromofluorobenzene	12.847	95	125421	47.559	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.120%
Target Compounds						
16) Acetone	4.436	43	3333	4.473	ug/l	Qvalue # 83

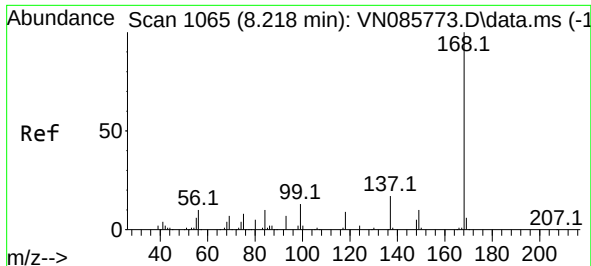
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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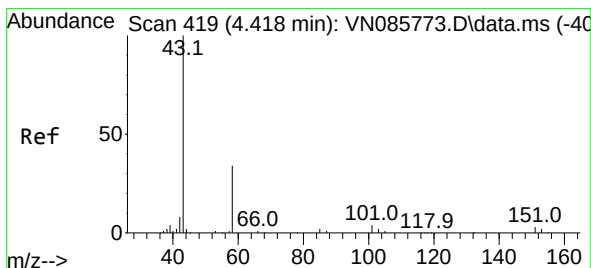
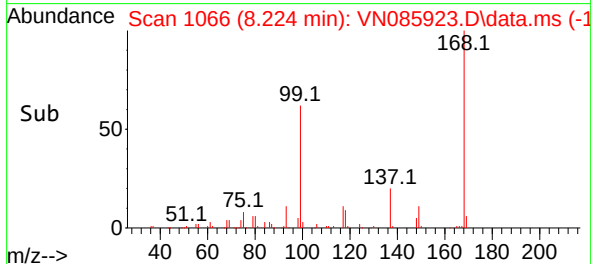
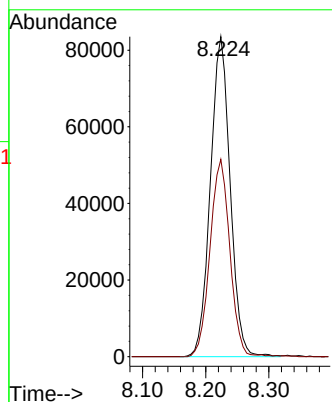
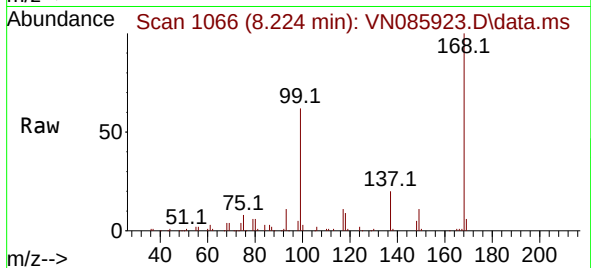




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085923.D
Acq: 10 Mar 2025 18:47

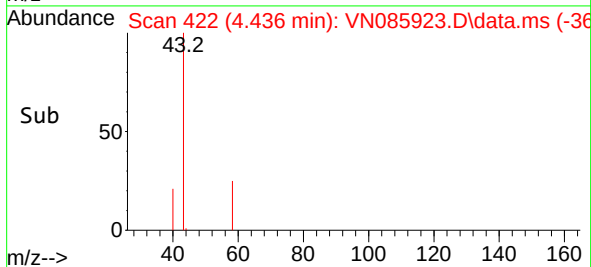
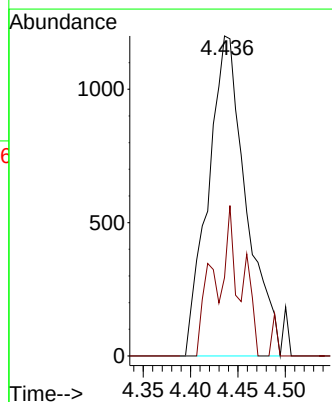
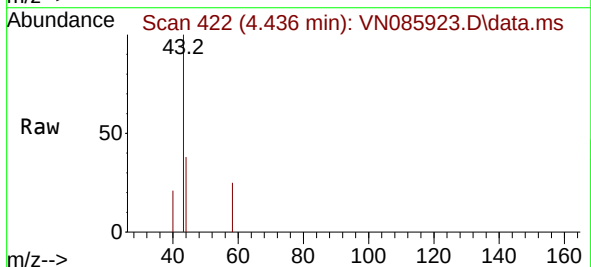
Instrument :
MSVOA_N
ClientSampleId :
GAS-AUD-25-0026

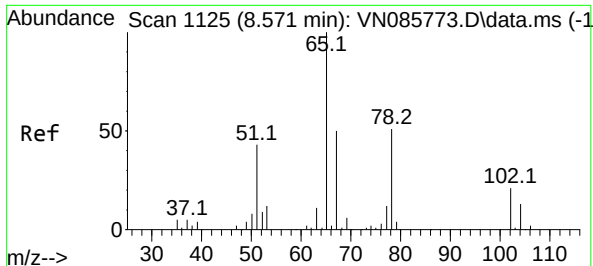
Tgt Ion:168 Resp: 181631
Ion Ratio Lower Upper
168 100
99 61.7 47.9 71.9



#16
Acetone
Concen: 4.473 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085923.D
Acq: 10 Mar 2025 18:47

Tgt Ion: 43 Resp: 3333
Ion Ratio Lower Upper
43 100
58 24.5 27.5 41.3#





#33

1,2-Dichloroethane-d4

Concen: 57.227 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085923.D

Acq: 10 Mar 2025 18:47

Instrument :

MSVOA_N

ClientSampleId :

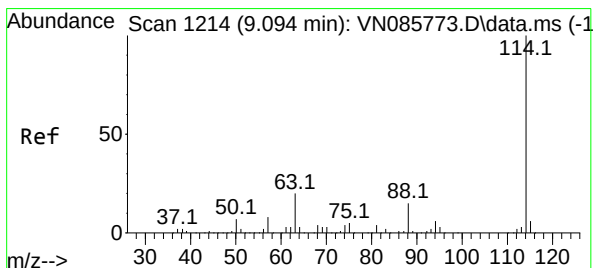
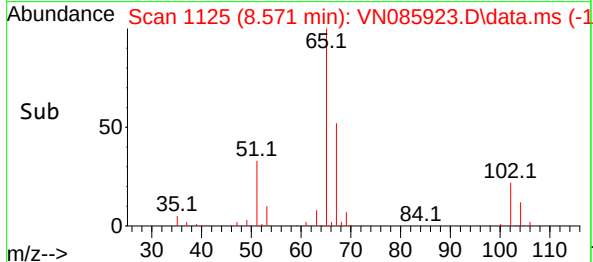
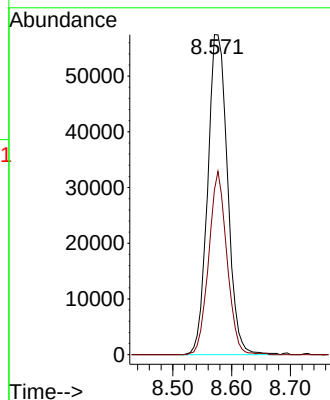
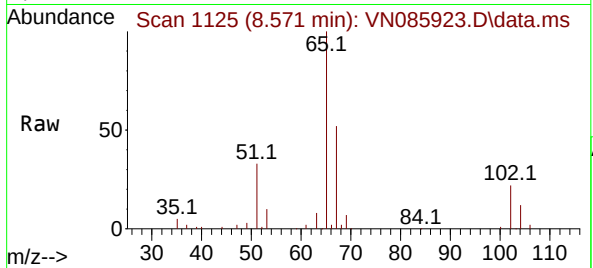
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Tgt Ion: 65 Resp: 134756

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085923.D

Acq: 10 Mar 2025 18:47

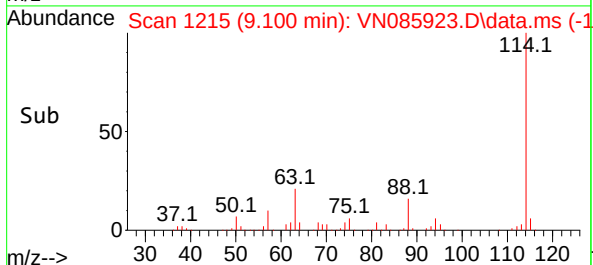
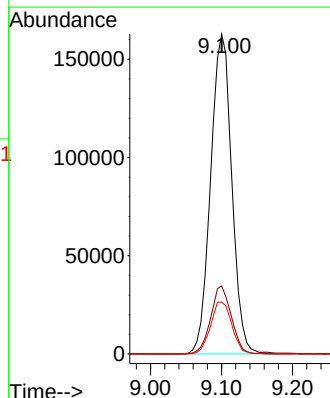
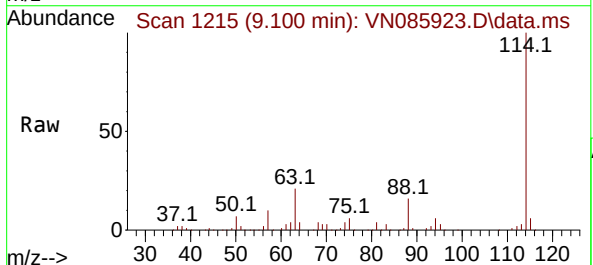
Tgt Ion: 114 Resp: 336202

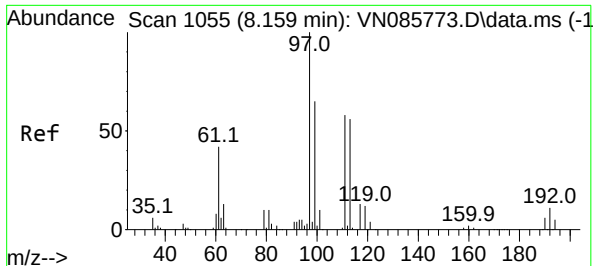
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.2

88 16.2 0.0 30.0

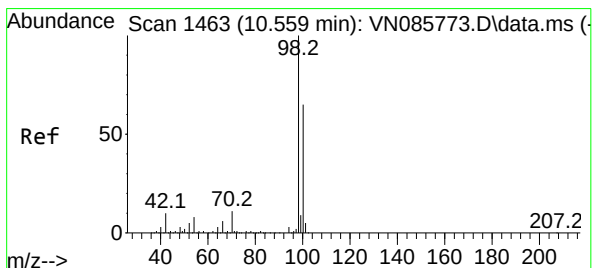
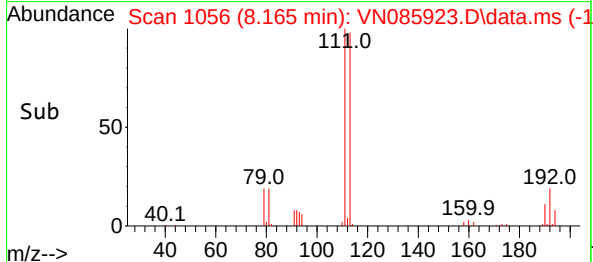
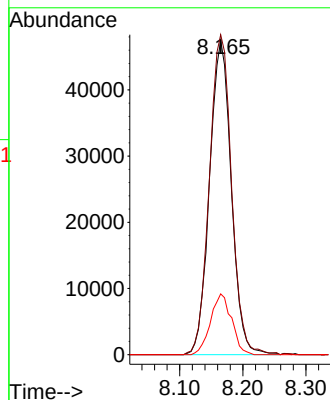
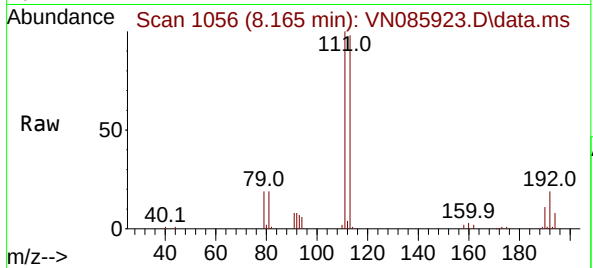




#35
Dibromofluoromethane
Concen: 51.525 ug/l
RT: 8.165 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VN085923.D
Acq: 10 Mar 2025 18:47

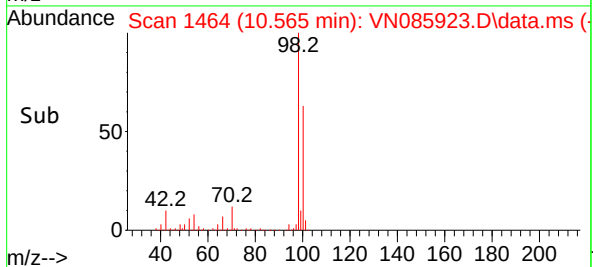
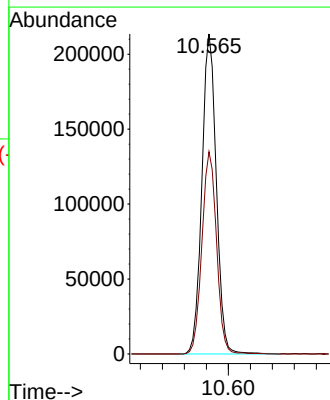
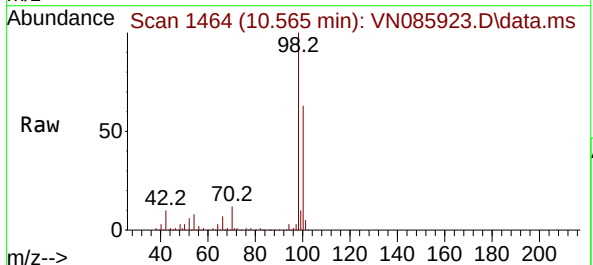
Instrument :
MSVOA_N
ClientSampleId :
GAS-AUD-25-0026

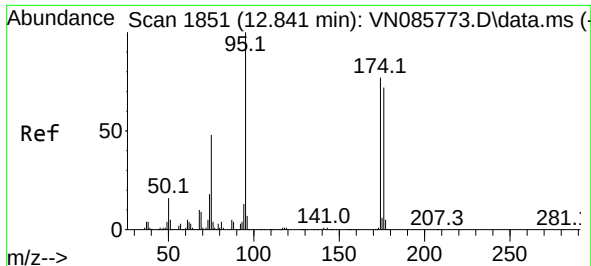
Tgt Ion:113 Resp: 113352
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.4
192 18.8 14.7 22.1



#50
Toluene-d8
Concen: 48.573 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085923.D
Acq: 10 Mar 2025 18:47

Tgt Ion: 98 Resp: 388785
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1

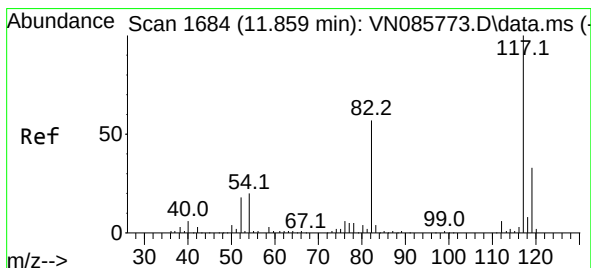
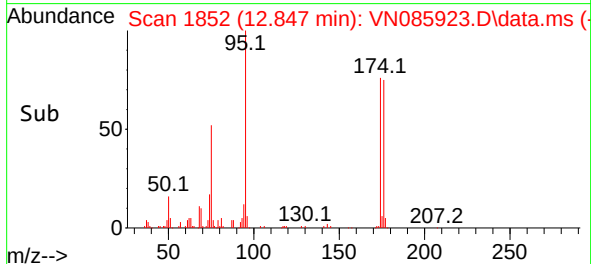
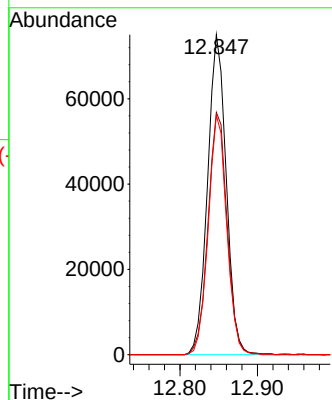
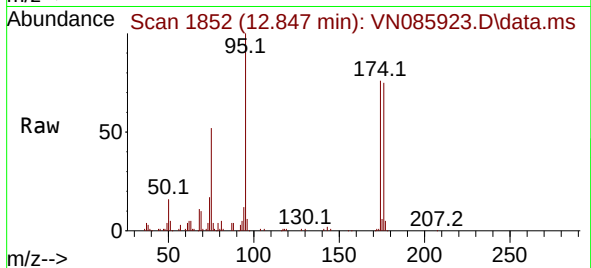




#62
4-Bromofluorobenzene
Concen: 47.559 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085923.D
Acq: 10 Mar 2025 18:47

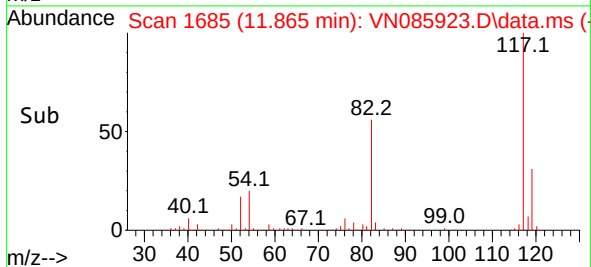
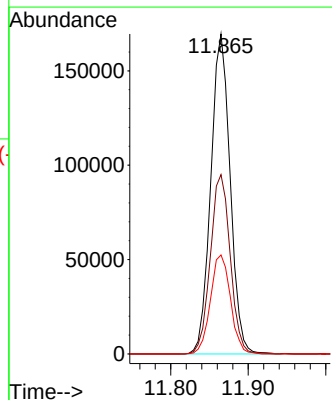
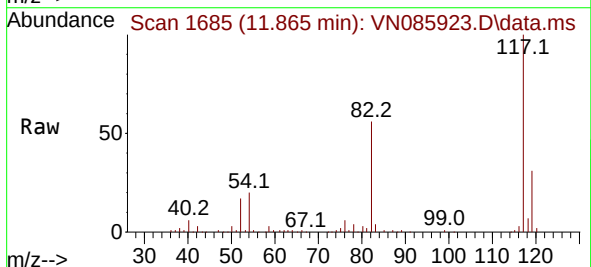
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GAS-AUD-25-0026

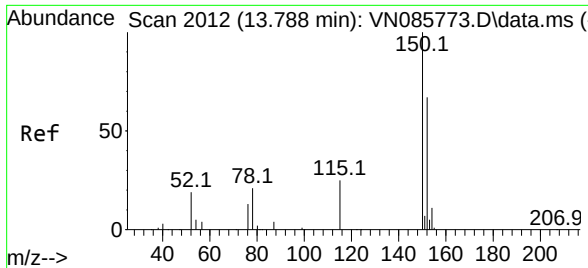
Tgt Ion: 95 Resp: 125421
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.4
176 73.8 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085923.D
Acq: 10 Mar 2025 18:47

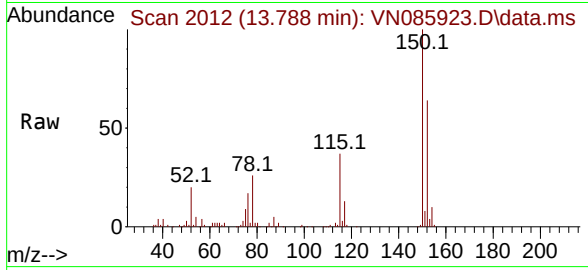
Tgt Ion: 117 Resp: 294281
Ion Ratio Lower Upper
117 100
82 56.1 45.7 68.5
119 31.0 26.2 39.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085923.D
 Acq: 10 Mar 2025 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 GAS-AUD-25-0026



Tgt Ion:	152	Resp:	120577
Ion Ratio	Lower	Upper	
152	100		
115	59.2	30.4	91.3
150	157.8	0.0	345.4

