

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042287.D
 Acq On : 09 Apr 2025 11:03
 Operator : SY/MD
 Sample : VL0409ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABL01

Quant Time: Apr 10 01:40:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

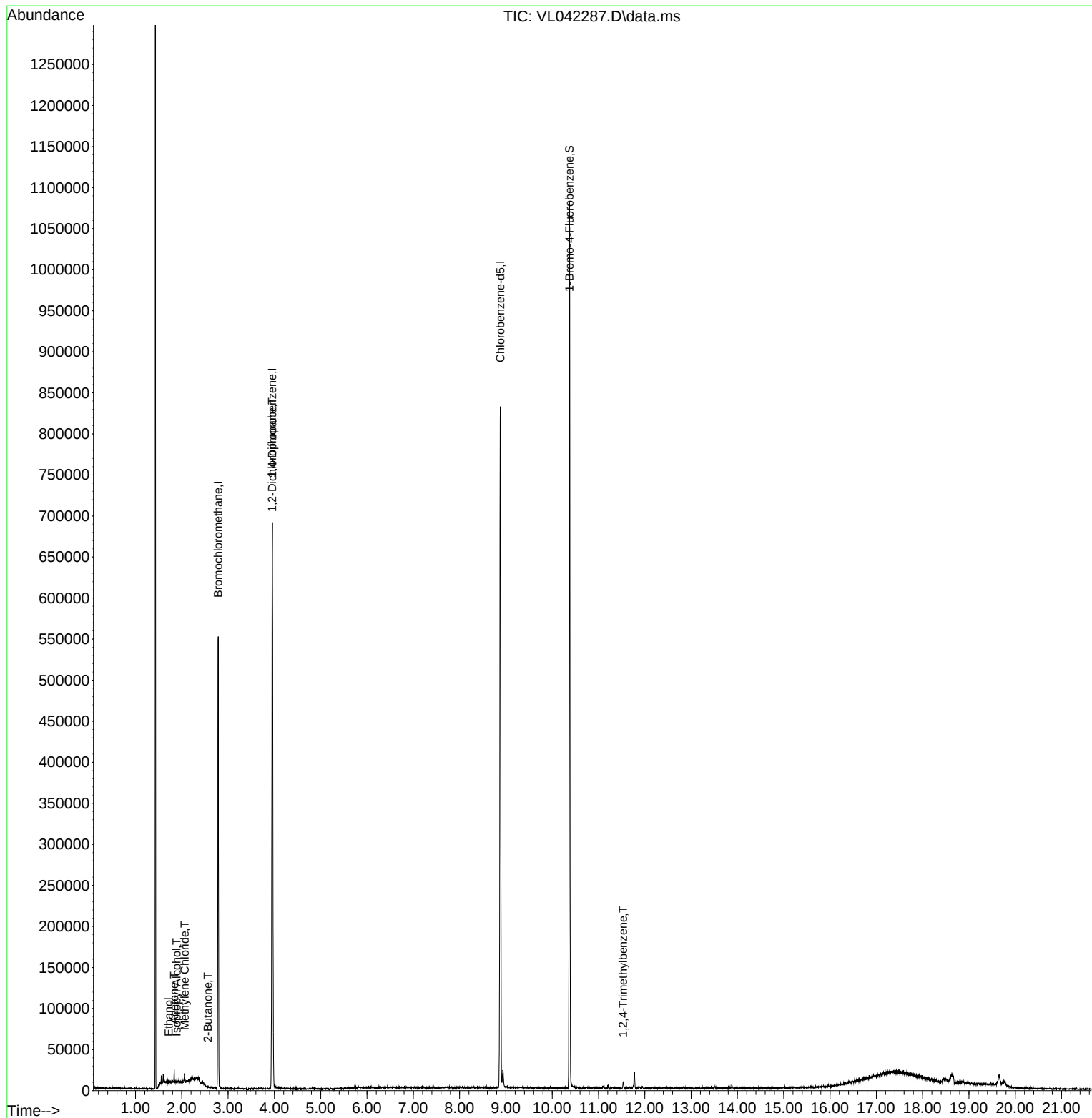
Internal Standards						
1) Bromochloromethane	2.784	49	156784	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	391570	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	334054	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	250420	9.128	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.300%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	261	0.255	ppbv #	27
15) Acetone	1.835	43	6338	0.289	ppbv	92
19) Isopropyl Alcohol	1.887	45	475	0.038	ppbv #	1
20) Methylene Chloride	2.062	84	1445	0.177	ppbv	87
34) 2-Butanone	2.564	43	1022	0.036	ppbv	92
39) 1,2-Dichloropropane	3.952	63	100111	7.081	ppbv #	21
74) 1,2,4-Trimethylbenzene	11.532	105	2166	0.036	ppbv #	72

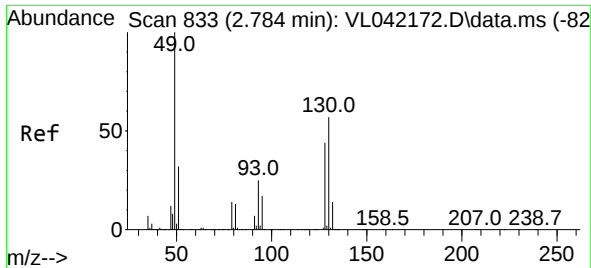
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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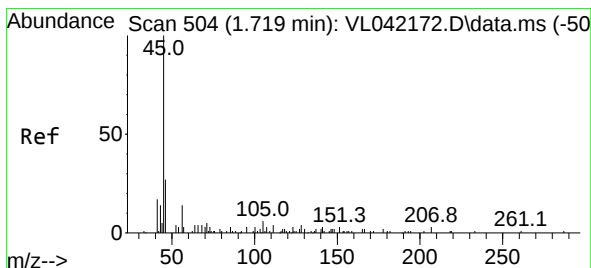
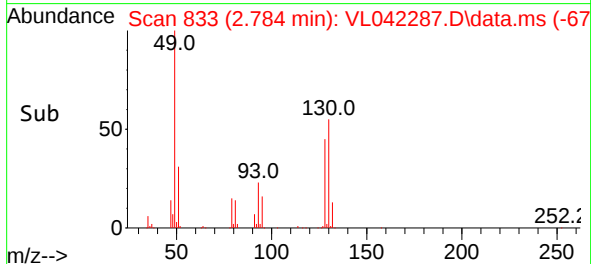
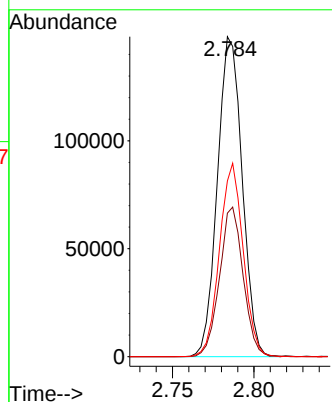
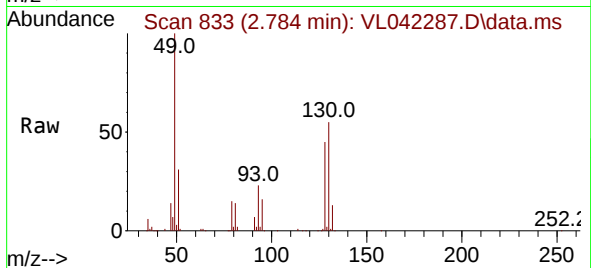




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

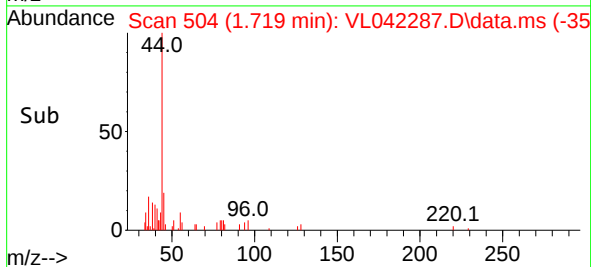
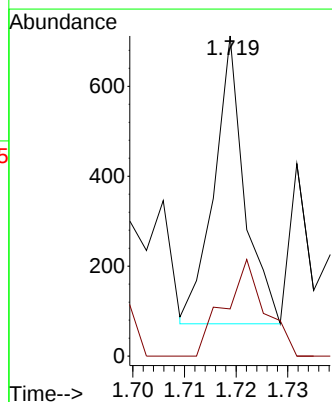
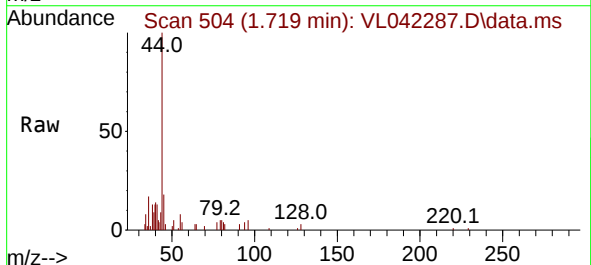
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABL01

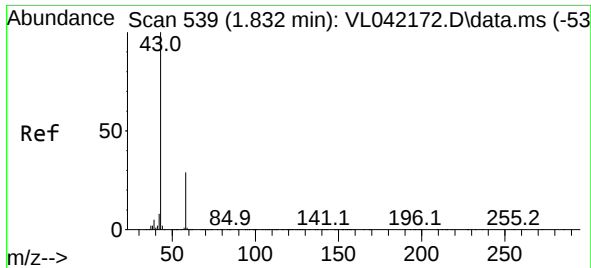
Tgt Ion: 49 Resp: 156784
Ion Ratio Lower Upper
49 100
128 44.5 22.9 68.5
130 57.7 28.8 86.4



#13
Ethanol
Concen: 0.255 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

Tgt Ion: 45 Resp: 261
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.289 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042287.D

Acq: 09 Apr 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

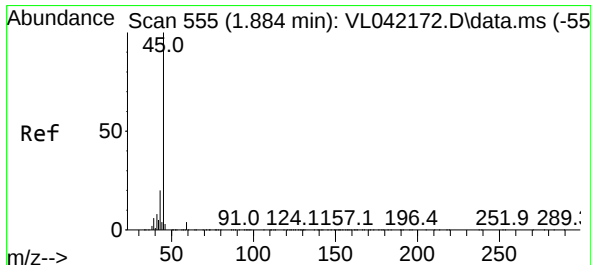
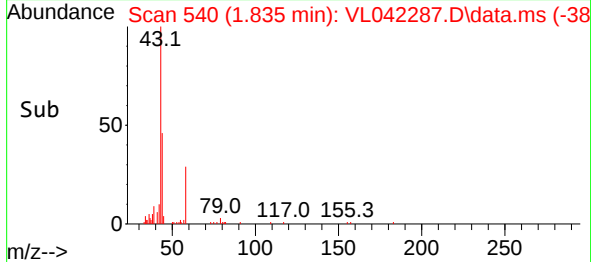
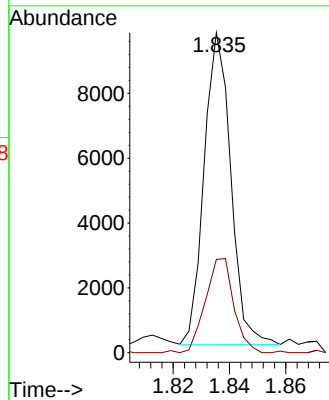
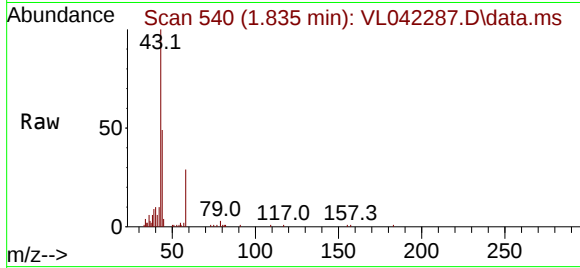
VL0409ABL01

Tgt Ion: 43 Resp: 6338

Ion Ratio Lower Upper

43 100

58 33.4 23.2 34.8



#19

Isopropyl Alcohol

Concen: 0.038 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042287.D

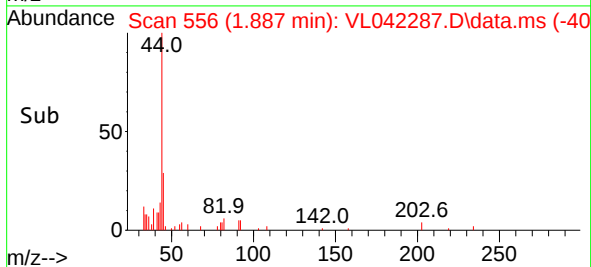
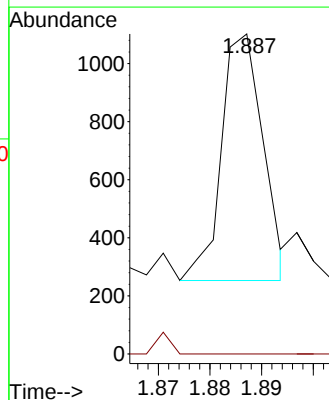
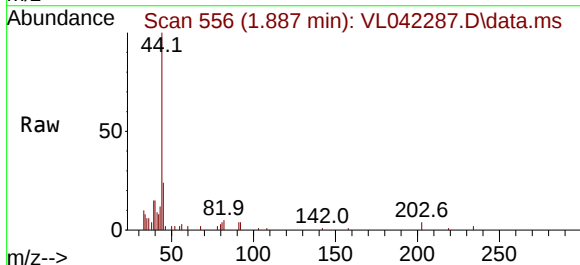
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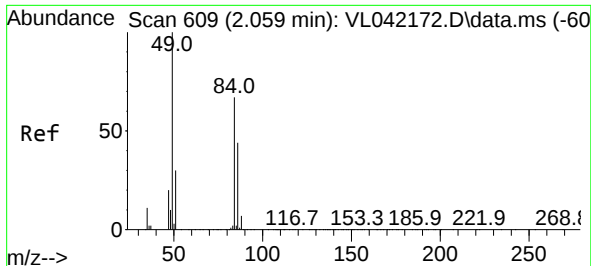
Tgt Ion: 45 Resp: 475

Ion Ratio Lower Upper

45 100

58 442.1 36.9 55.3#

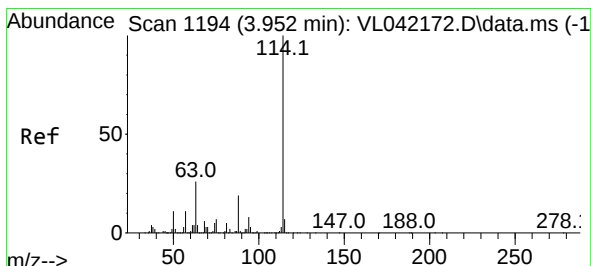
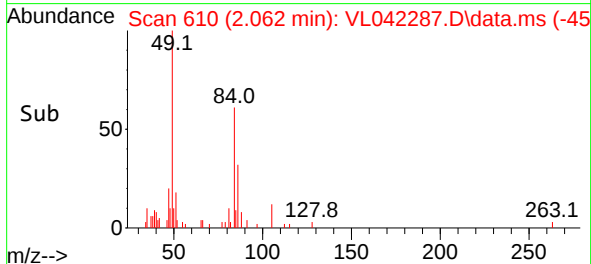
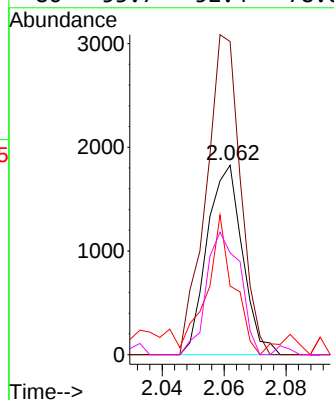
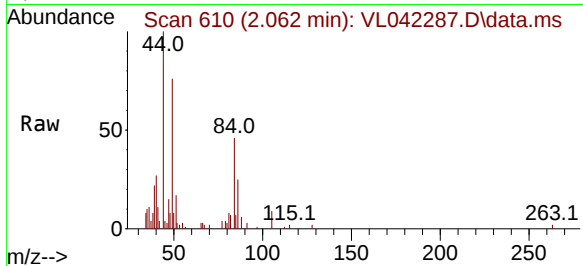




#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

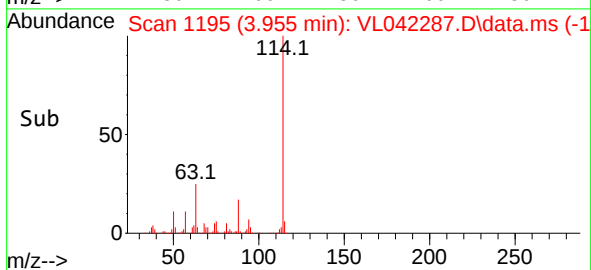
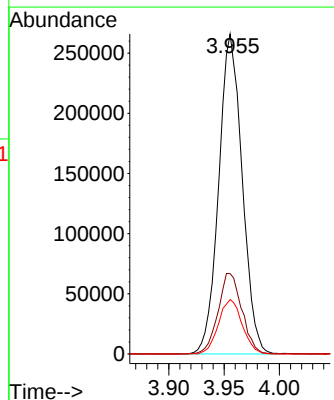
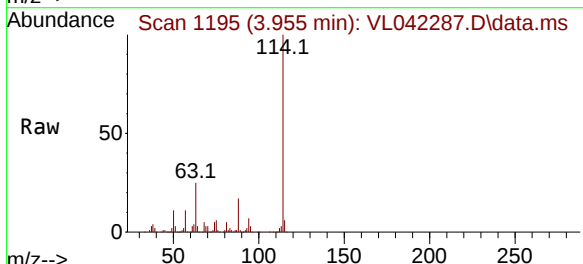
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABL01

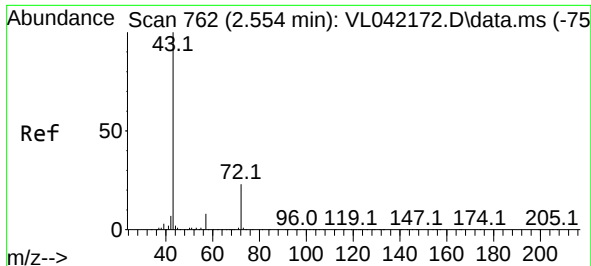
Tgt Ion:	84	Resp:	1445
Ion	Ratio	Lower	Upper
84	100		
49	165.2	120.2	180.4
51	38.7	37.4	56.0
86	53.7	52.4	78.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

Tgt Ion:	114	Resp:	391570
Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	17.2	15.0	22.4

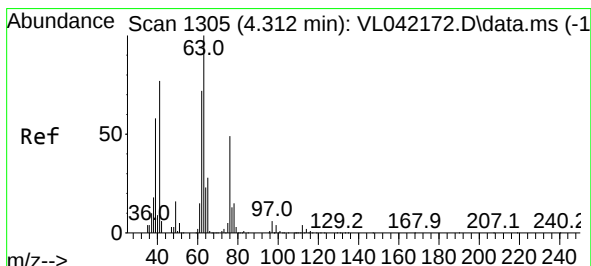
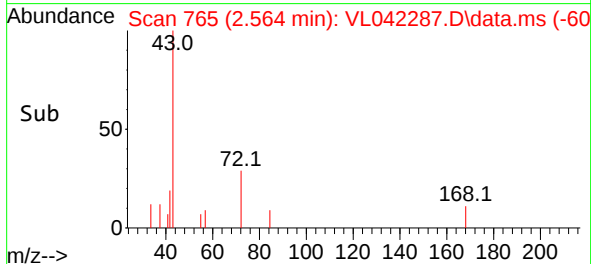
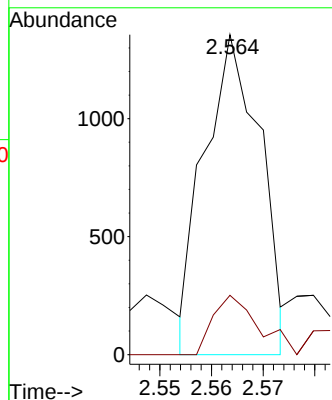
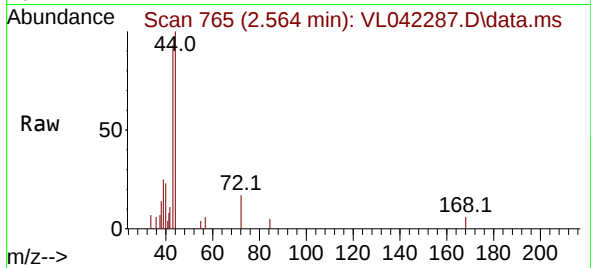




#34
2-Butanone
Concen: 0.036 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.009 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

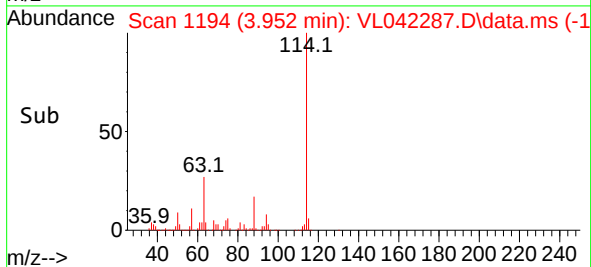
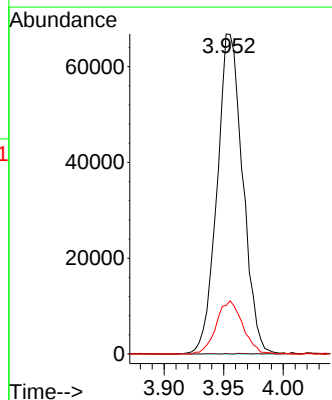
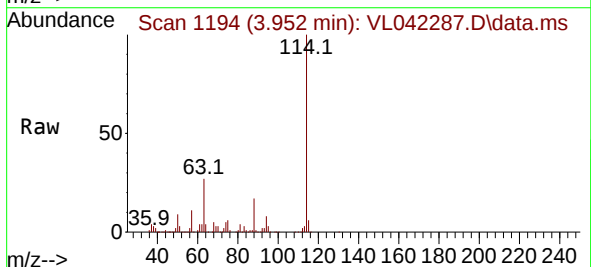
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABL01

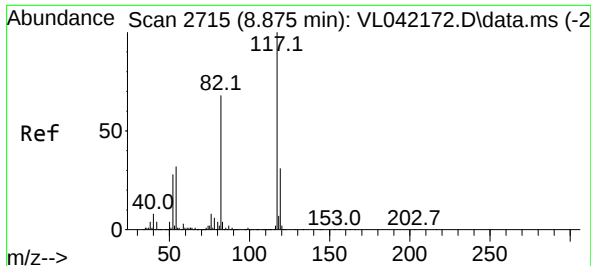
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
72 18.9 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.081 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.360 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

Tgt Ion: 63 Resp: 100111
Ion Ratio Lower Upper
63 100
41 0.2 61.7 92.5#
62 15.1 57.6 86.4#

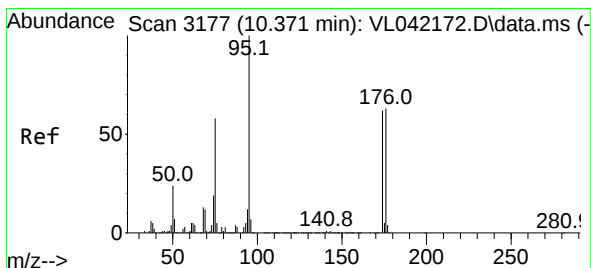
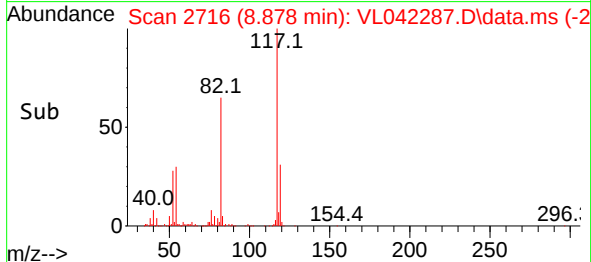
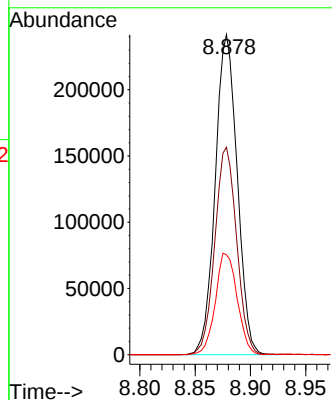
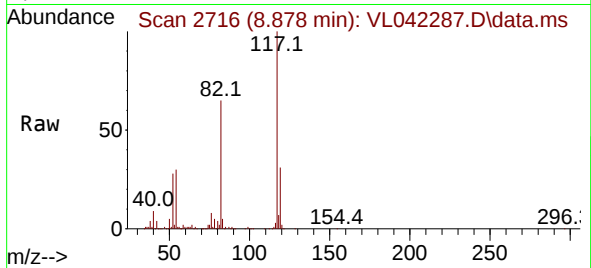




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

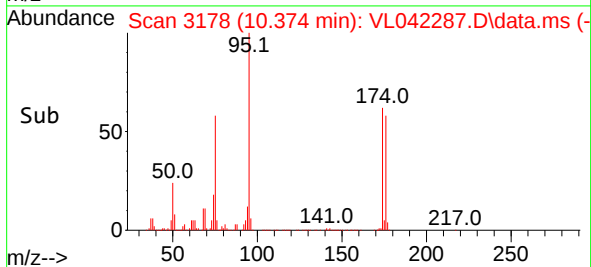
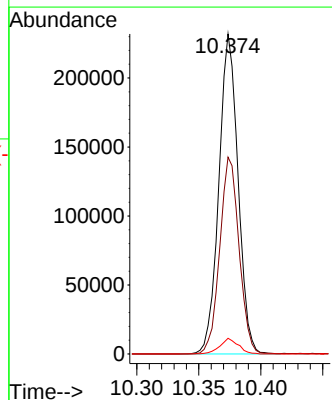
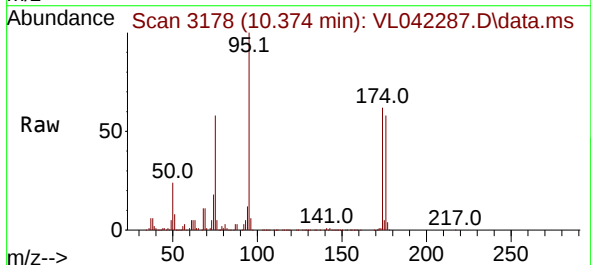
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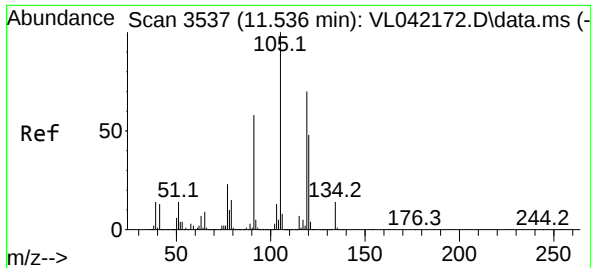
Tgt Ion: 117 Resp: 334054
Ion Ratio Lower Upper
117 100
82 64.5 55.8 83.6
119 31.5 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.128 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042287.D
Acq: 09 Apr 2025 11:03

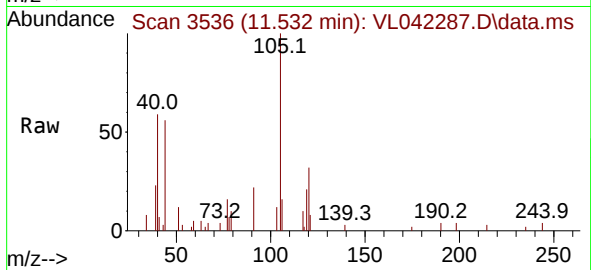
Tgt Ion: 95 Resp: 250420
Ion Ratio Lower Upper
95 100
174 62.0 50.6 76.0
175 4.7 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.036 ppbv
 RT: 11.532 min Scan# 31
 Delta R.T. -0.004 min
 Lab File: VL042287.D
 Acq: 09 Apr 2025 11:03

Instrument :
 MSVOA_L
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Tgt Ion:	105	Resp:	2166
Ion	Ratio	Lower	Upper
105	100		
120	40.5	38.6	58.0
91	22.1	46.2	69.2#
77	16.1	18.6	27.8#

