

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042194.D
 Acq On : 27 Mar 2025 23:34
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 28 02:19:35 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)

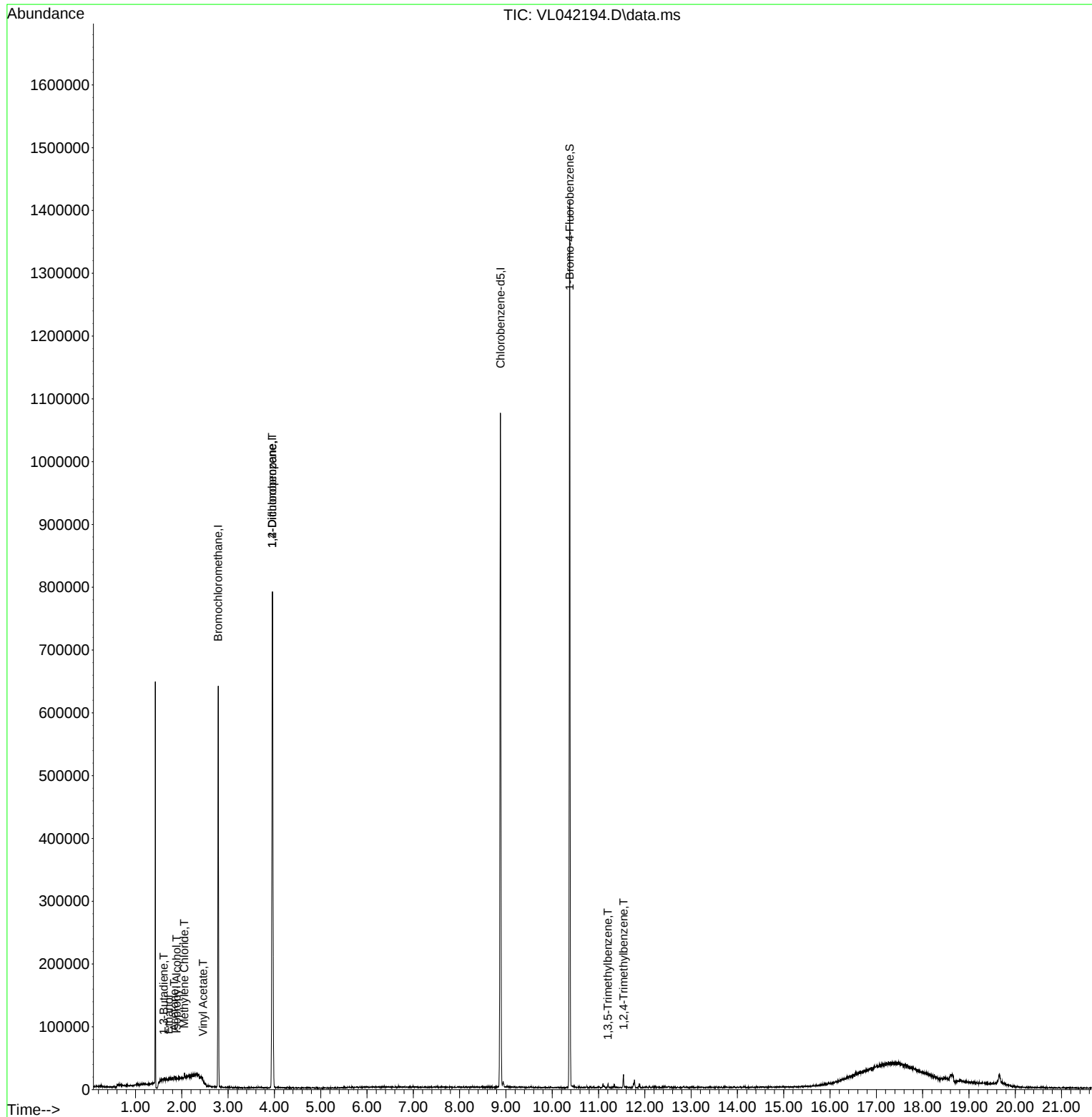
Internal Standards						
1) Bromochloromethane	2.787	49	167061	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	475830	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	437199	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	353354	9.842	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	350	0.321	ppbv #	27
15) Acetone	1.835	43	2542	0.109	ppbv #	69
16) 1,3-Butadiene	1.609	39	472	0.041	ppbv #	11
19) Isopropyl Alcohol	1.887	45	647	0.049	ppbv #	30
20) Methylene Chloride	2.055	84	1396	0.160	ppbv #	74
23) Vinyl Acetate	2.460	43	767	0.076	ppbv #	1
39) 1,2-Dichloropropane	3.955	63	123471	7.187	ppbv #	21
73) 1,3,5-Trimethylbenzene	11.202	105	2083	0.031	ppbv	89
74) 1,2,4-Trimethylbenzene	11.539	105	6892	0.088	ppbv #	68

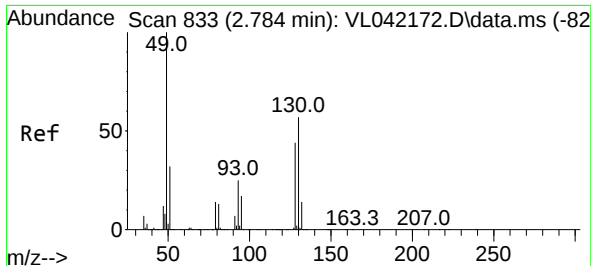
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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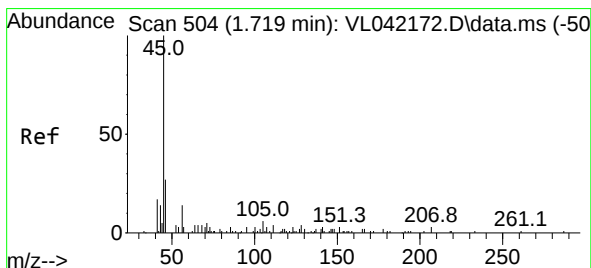
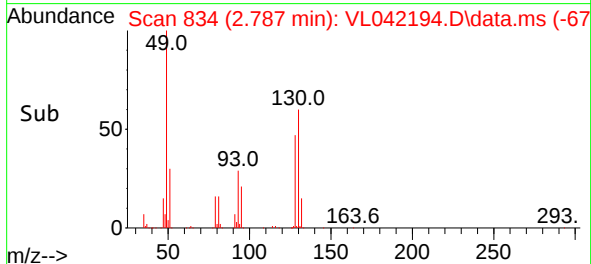
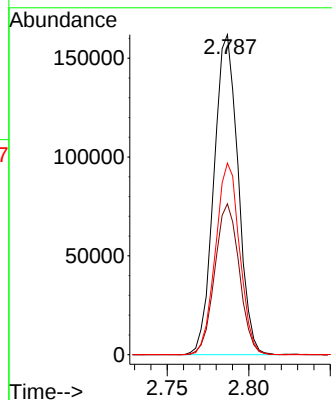
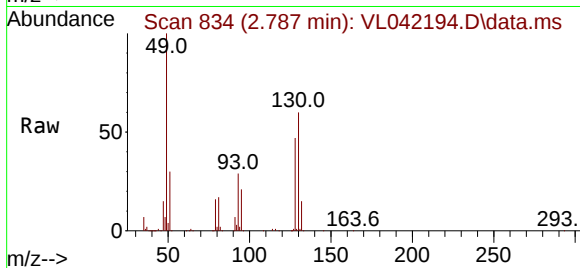




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042194.D
Acq: 27 Mar 2025 23:34

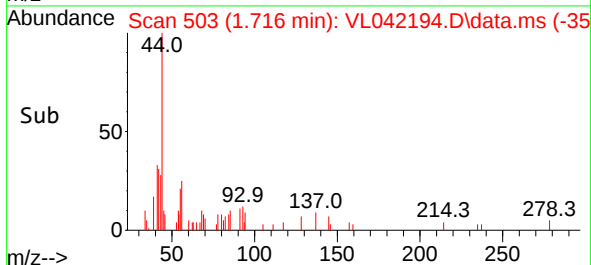
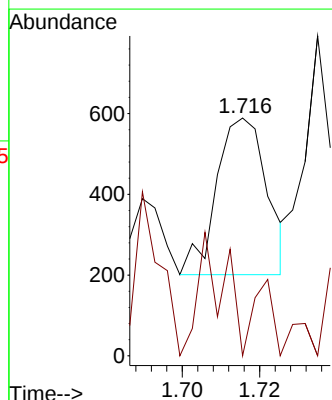
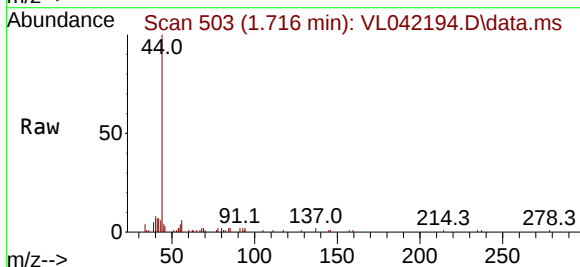
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

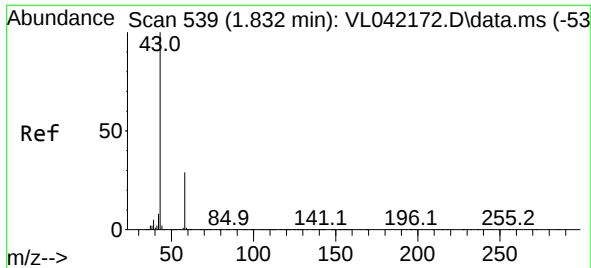
Tgt Ion: 49 Resp: 167061
Ion Ratio Lower Upper
49 100
128 47.8 22.9 68.5
130 59.7 28.8 86.4



#13
Ethanol
Concen: 0.321 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.004 min
Lab File: VL042194.D
Acq: 27 Mar 2025 23:34

Tgt Ion: 45 Resp: 350
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.109 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042194.D

Acq: 27 Mar 2025 23:34

Instrument :

MSVOA_L

ClientSampleId :

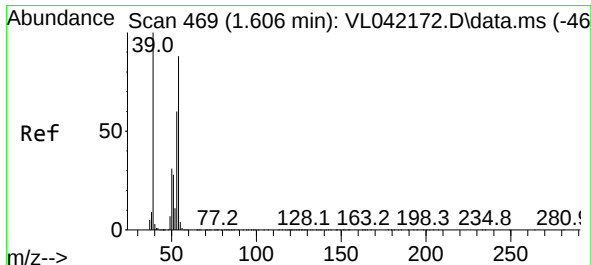
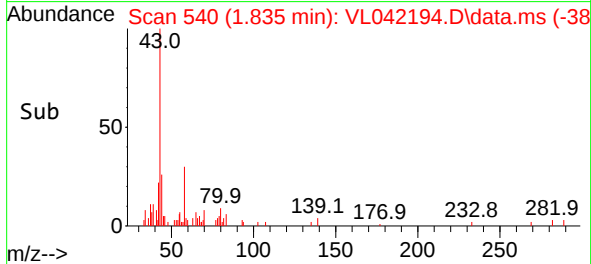
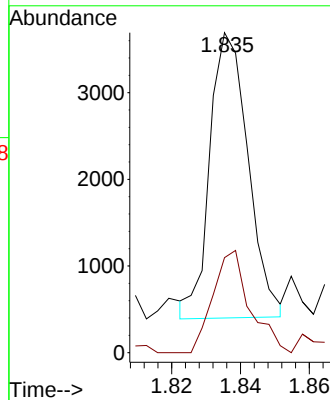
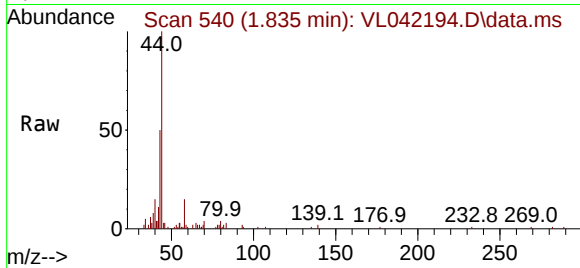
VIBLK

Tgt Ion: 43 Resp: 2542

Ion Ratio Lower Upper

43 100

58 45.3 23.2 34.8#



#16

1,3-Butadiene

Concen: 0.041 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042194.D

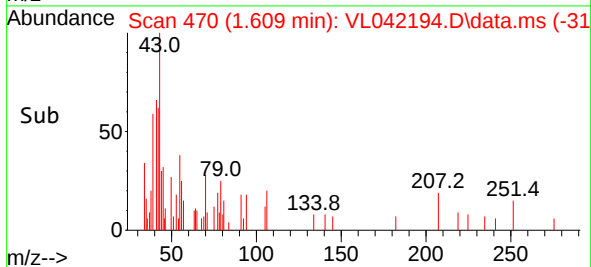
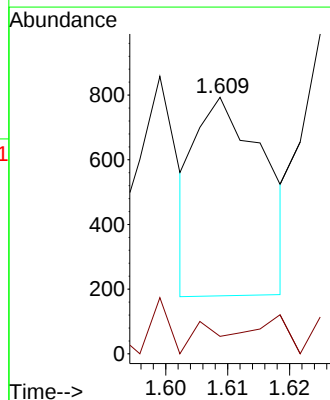
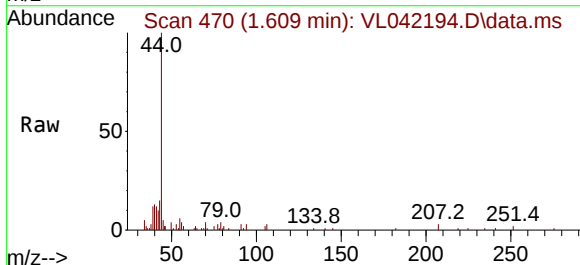
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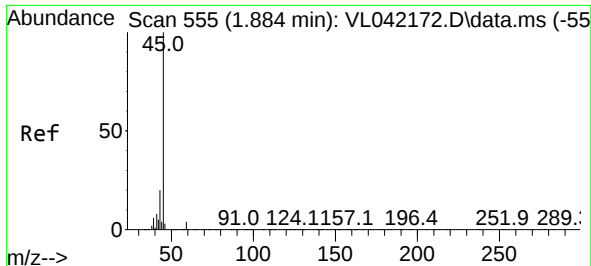
Tgt Ion: 39 Resp: 472

Ion Ratio Lower Upper

39 100

54 0.0 60.7 91.1#

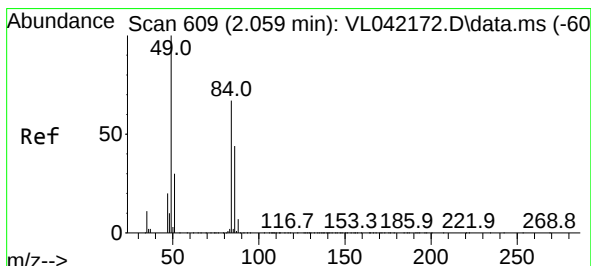
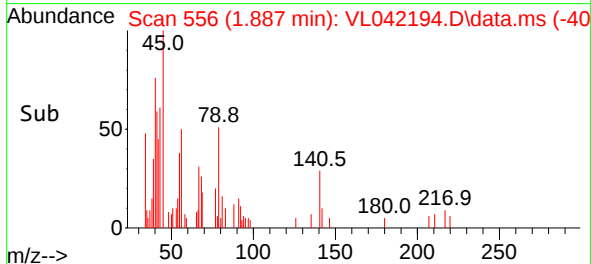
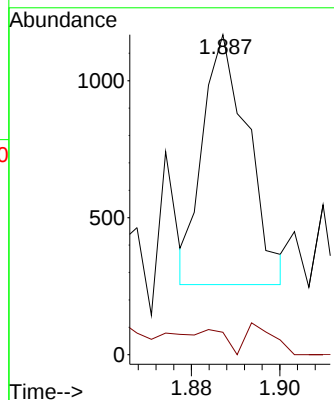
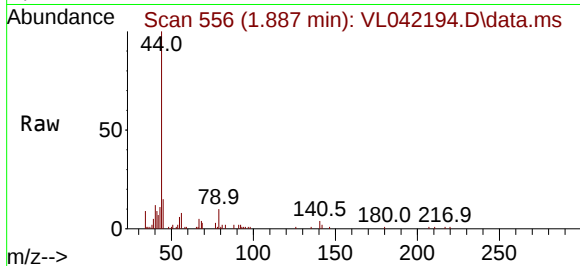




#19
Isopropyl Alcohol
Concen: 0.049 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042194.D
Acq: 27 Mar 2025 23:34

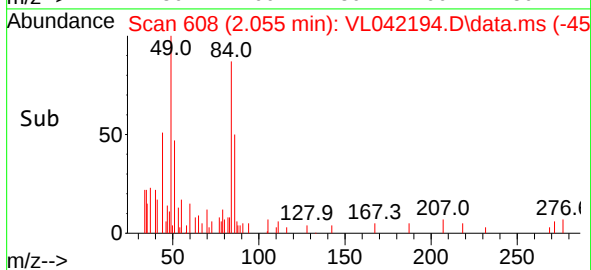
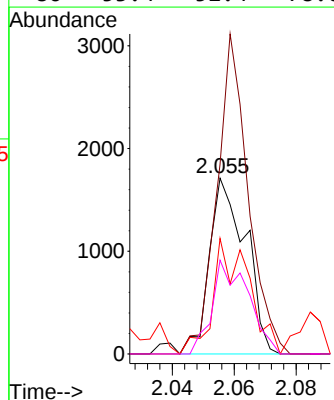
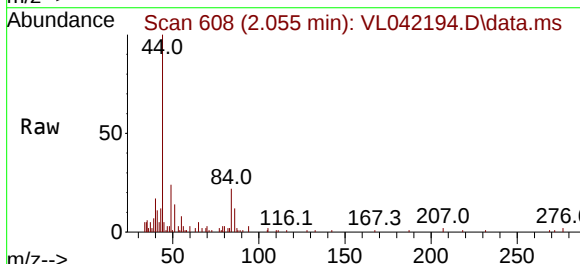
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

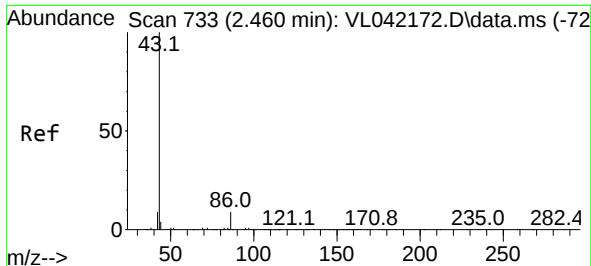
Tgt Ion: 45 Resp: 647
Ion Ratio Lower Upper
45 100
58 0.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.160 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.004 min
Lab File: VL042194.D
Acq: 27 Mar 2025 23:34

Tgt Ion: 84 Resp: 1396
Ion Ratio Lower Upper
84 100
49 111.6 120.2 180.4#
51 65.7 37.4 56.0#
86 53.4 52.4 78.6

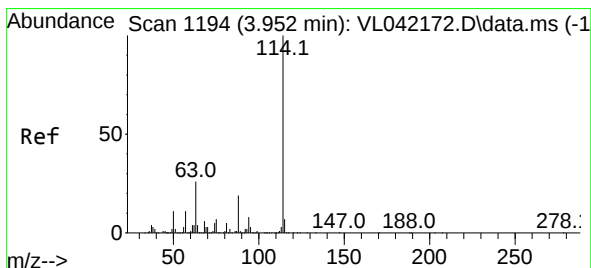
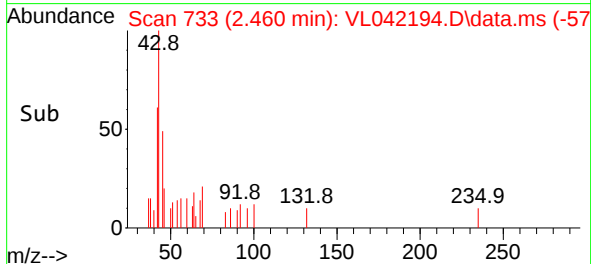
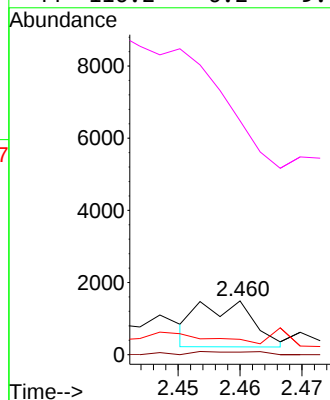
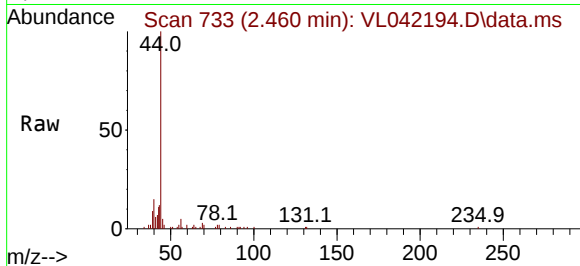




#23
 Vinyl Acetate
 Concen: 0.076 ppbv
 RT: 2.460 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL042194.D
 Acq: 27 Mar 2025 23:34

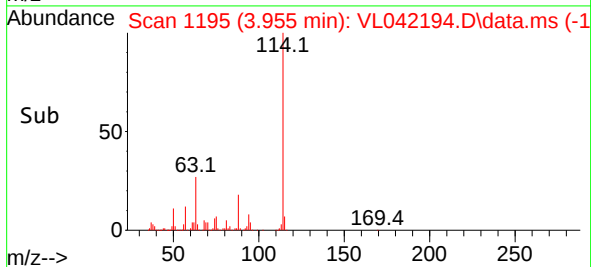
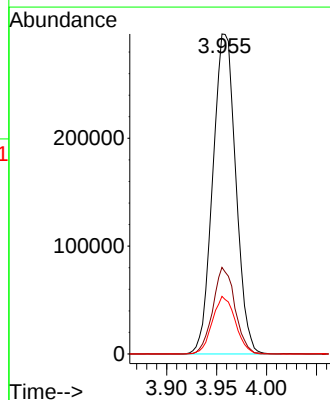
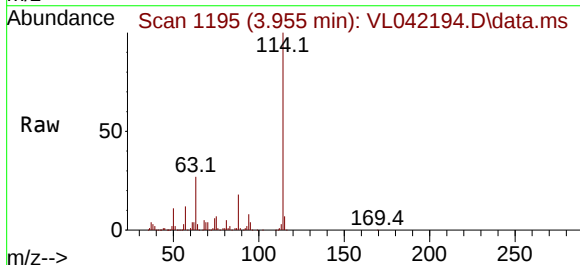
Instrument :
 MSVOA_L
 ClientSampleId :
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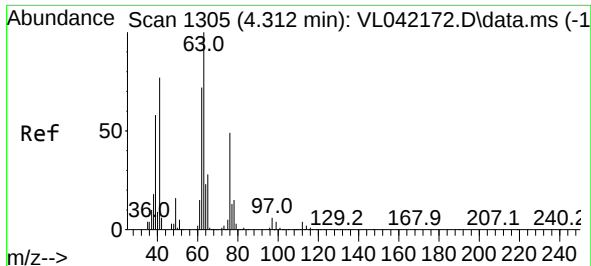
Tgt Ion: 43	Resp:	767	
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.5	8.3
42	47.7	8.6	13.0#
44	116.2	6.2	9.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. 0.003 min
 Lab File: VL042194.D
 Acq: 27 Mar 2025 23:34

Tgt Ion:114	Resp:	475830	
Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	17.9	15.0	22.4





#39

1,2-Dichloropropane

Concen: 7.187 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042194.D

Acq: 27 Mar 2025 23:34

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

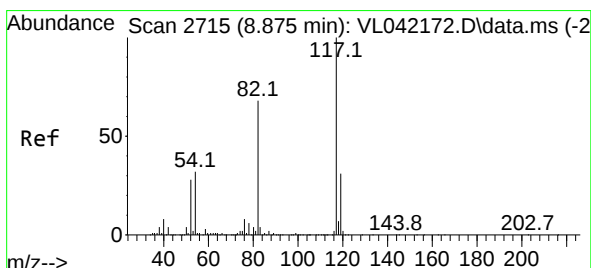
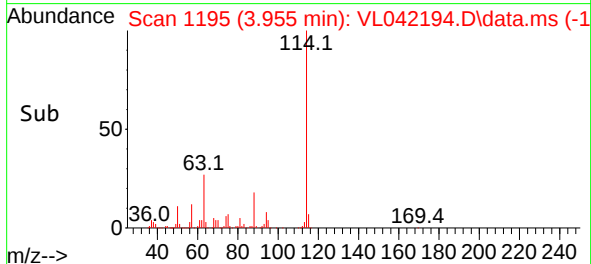
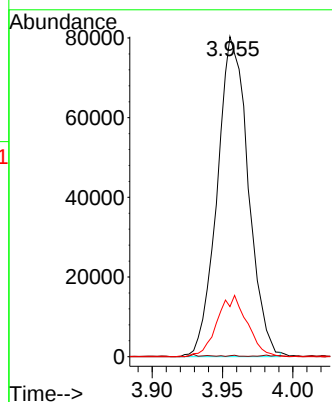
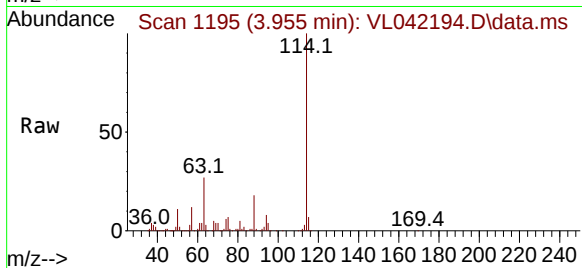
Tgt Ion: 63 Resp: 123471

Ion Ratio Lower Upper

63 100

41 0.3 61.7 92.5#

62 15.5 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2717

Delta R.T. 0.006 min

Lab File: VL042194.D

Acq: 27 Mar 2025 23:34

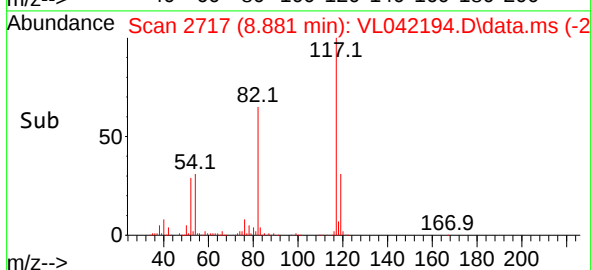
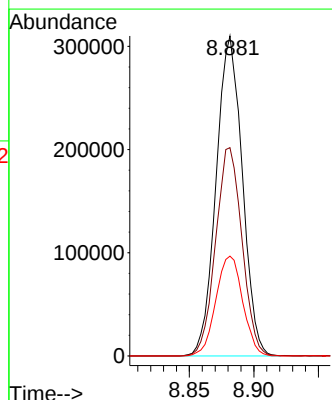
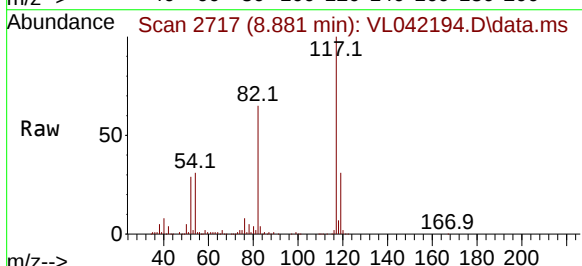
Tgt Ion: 117 Resp: 437199

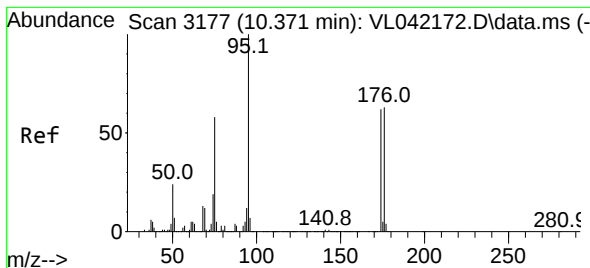
Ion Ratio Lower Upper

117 100

82 65.6 55.8 83.6

119 32.0 25.5 38.3

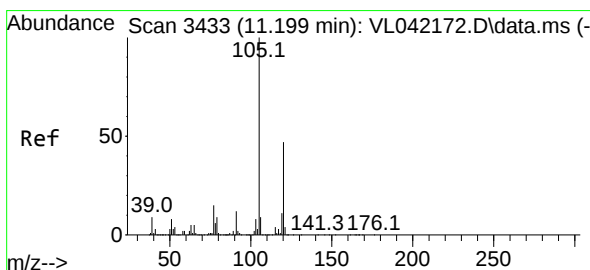
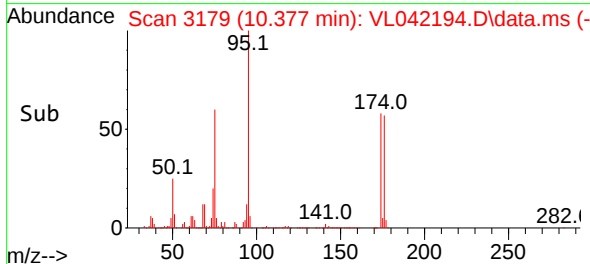
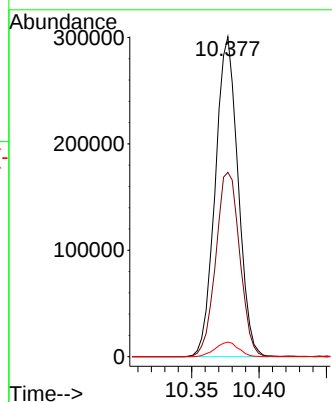
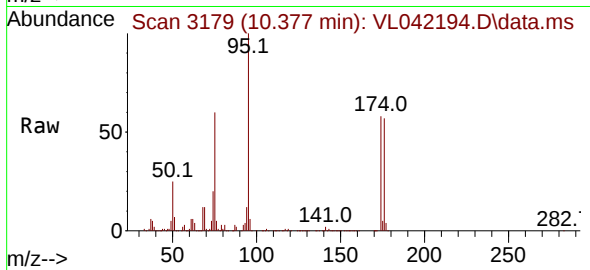




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.842 ppbv
 RT: 10.377 min Scan# 3177
 Delta R.T. 0.006 min
 Lab File: VL042194.D
 Acq: 27 Mar 2025 23:34

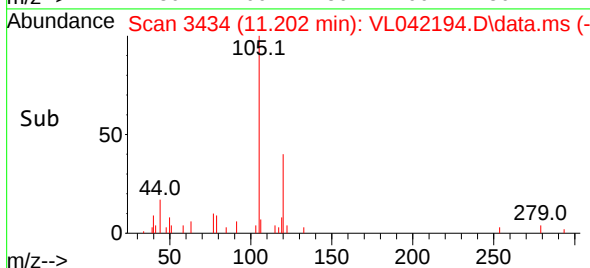
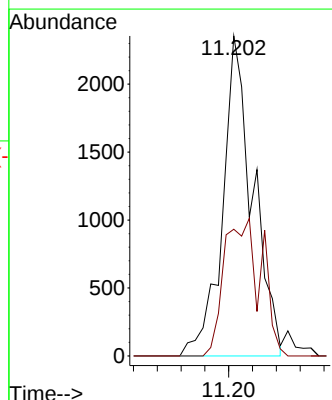
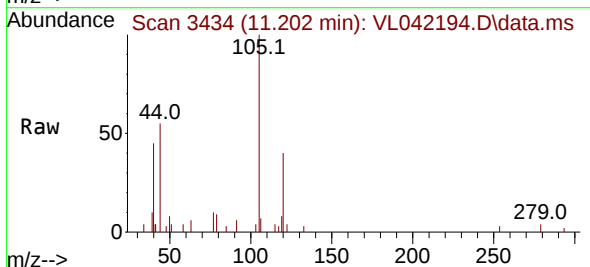
Instrument :
 MSVOA_L
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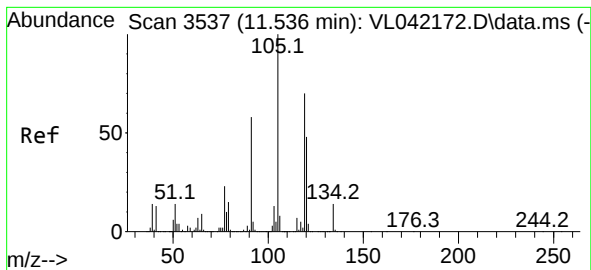
Tgt Ion: 95 Resp: 353354
 Ion Ratio Lower Upper
 95 100
 174 60.7 50.6 76.0
 175 4.7 3.8 5.6



#73
 1,3,5-Trimethylbenzene
 Concen: 0.031 ppbv
 RT: 11.202 min Scan# 3434
 Delta R.T. 0.003 min
 Lab File: VL042194.D
 Acq: 27 Mar 2025 23:34

Tgt Ion: 105 Resp: 2083
 Ion Ratio Lower Upper
 105 100
 120 39.6 37.4 56.0





#74

1,2,4-Trimethylbenzene

Concen: 0.088 ppbv

RT: 11.539 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042194.D

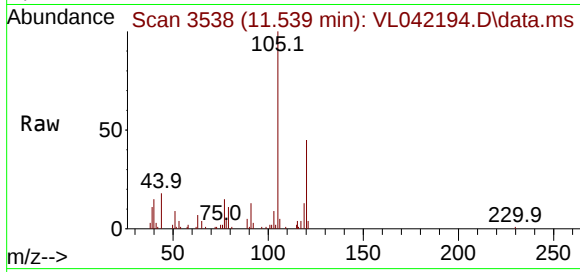
Acq: 27 Mar 2025 23:34

Instrument :

MSVOA_L

ClientSampleId :

VIBLK



Tgt Ion:	105	Resp:	6892
Ion	Ratio	Lower	Upper
105	100		
120	45.1	38.6	58.0
91	13.2	46.2	69.2#
77	14.6	18.6	27.8#

