

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042825.D
 Acq On : 07 Aug 2025 09:53
 Operator : SY/MD
 Sample : VL07807ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0807ABL01

Quant Time: Aug 08 01:13:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

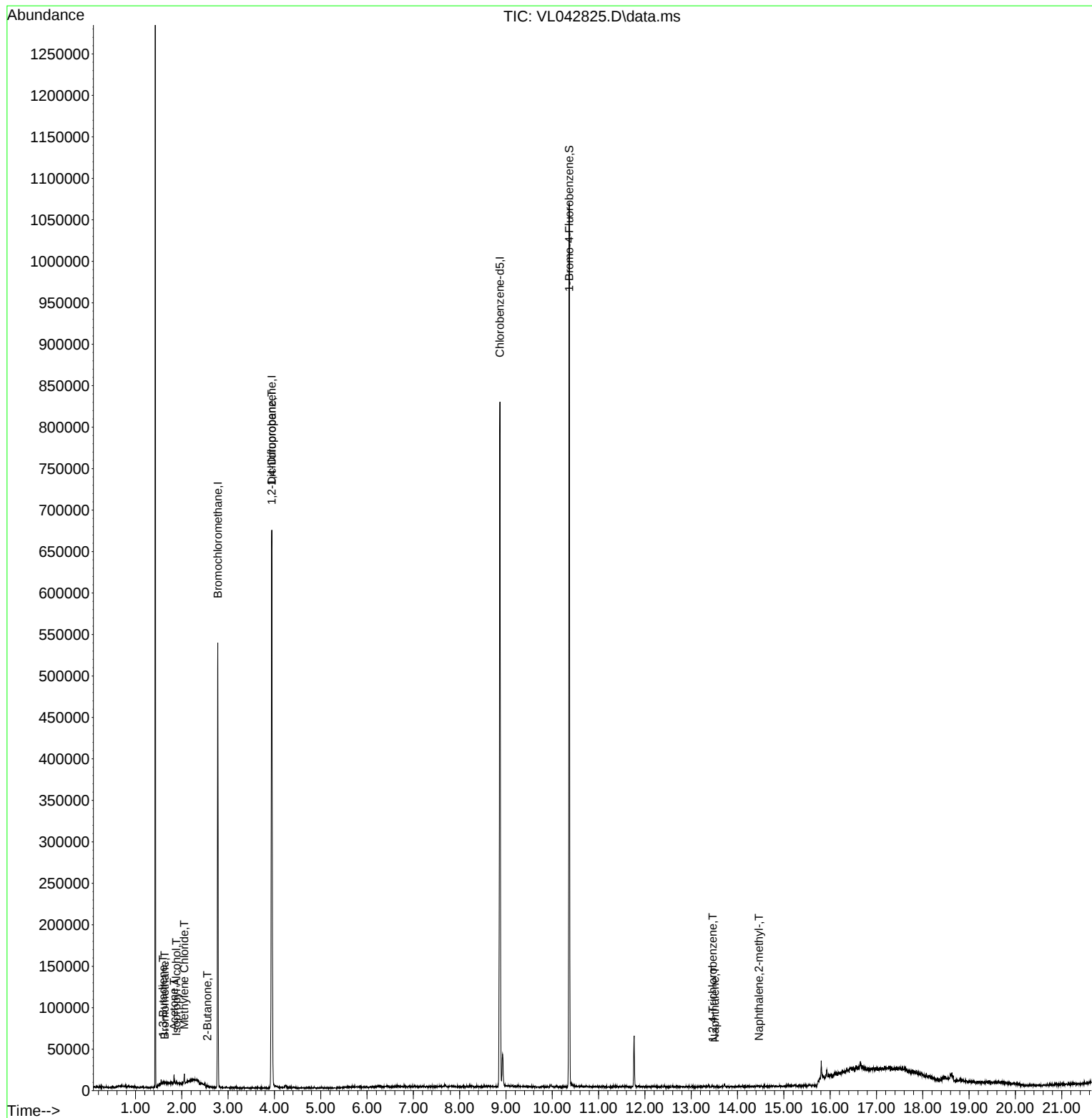
Internal Standards						
1) Bromochloromethane	2.777	49	143339	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	368987	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.869	117	317212	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	239316	9.526	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
					Qvalue	
6) Bromomethane	1.632	94	91	0.031	ppbv #	1
13) Ethanol	1.645	45	281	Below Cal	#	31
15) Acetone	1.832	43	4540	0.229	ppbv #	85
16) 1,3-Butadiene	1.596	39	292	0.035	ppbv #	16
19) Isopropyl Alcohol	1.884	45	1162	0.110	ppbv #	47
20) Methylene Chloride	2.056	84	1391	0.223	ppbv #	90
34) 2-Butanone	2.551	43	816	0.031	ppbv	98
39) 1,2-Dichloropropane	3.939	63	94265	7.303	ppbv #	22
79) Naphthalene	13.510	128	30	0.436	ppbv #	69
80) Naphthalene,2-methyl-	14.465	142	37	1.130	ppbv #	17
81) 1,2,4-Trichlorobenzene	13.461	180	11	0.435	ppbv #	1

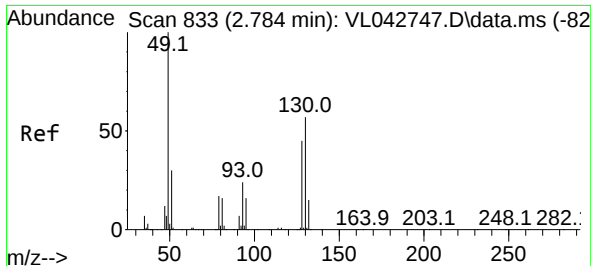
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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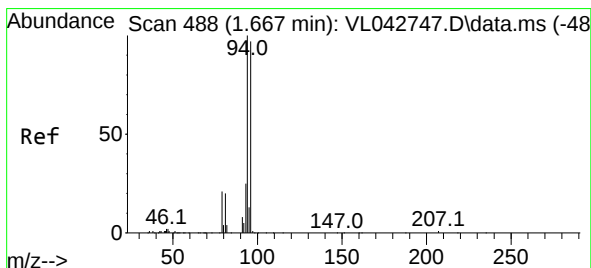
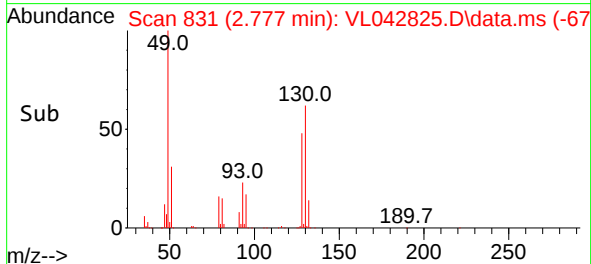
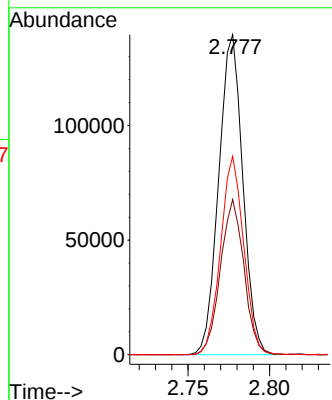
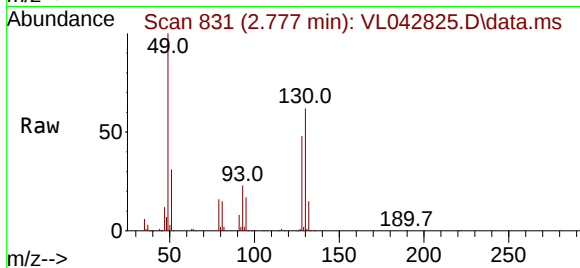




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

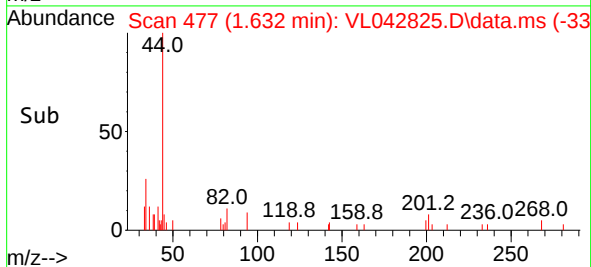
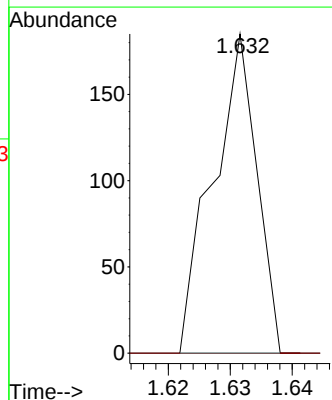
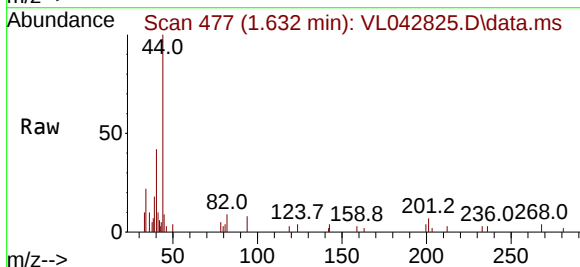
Instrument :
MSVOA_L
ClientSampleId :
VL0807ABL01

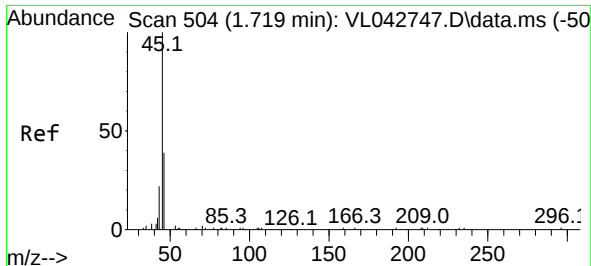
Tgt Ion: 49 Resp: 143339
Ion Ratio Lower Upper
49 100
128 47.4 23.6 71.0
130 59.8 30.3 90.8



#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.632 min Scan# 477
Delta R.T. -0.036 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

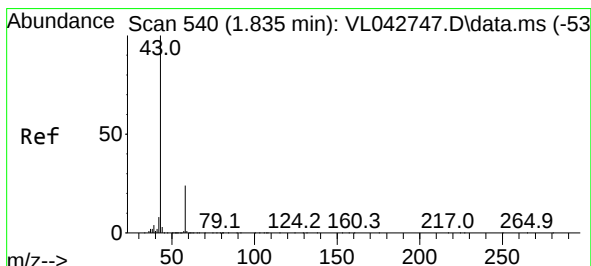
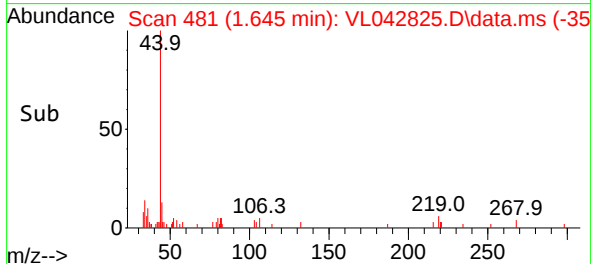
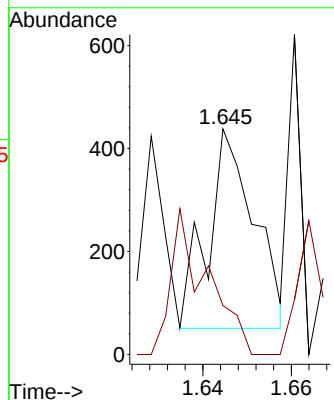
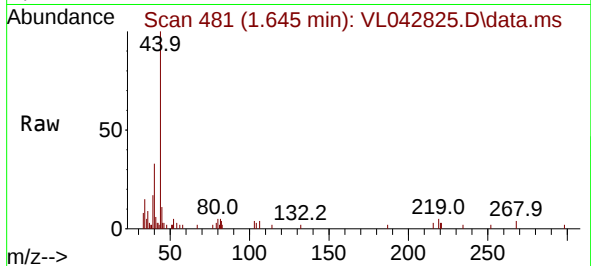




#13
 Ethanol
 Concen: Below Cal
 RT: 1.645 min Scan# 41
 Delta R.T. -0.074 min
 Lab File: VL042825.D
 Acq: 07 Aug 2025 09:53

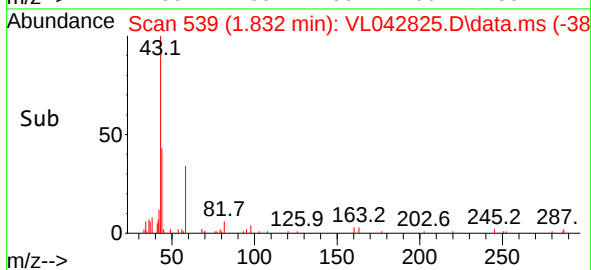
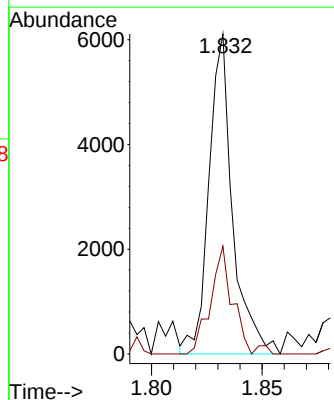
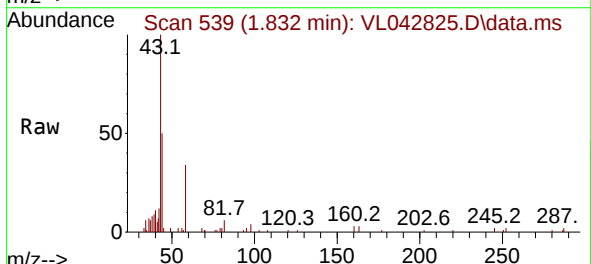
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0807ABL01

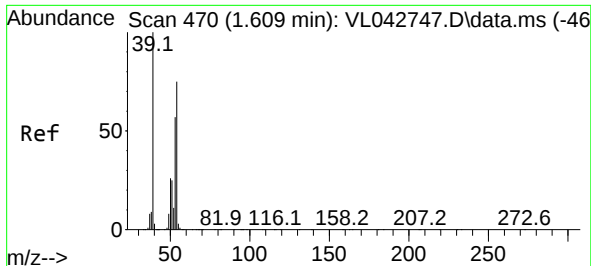
Tgt Ion: 45 Resp: 281
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.8 71.4#



#15
 Acetone
 Concen: 0.229 ppbv
 RT: 1.832 min Scan# 539
 Delta R.T. -0.003 min
 Lab File: VL042825.D
 Acq: 07 Aug 2025 09:53

Tgt Ion: 43 Resp: 4540
 Ion Ratio Lower Upper
 43 100
 58 32.3 19.8 29.8#





#16

1,3-Butadiene

Concen: 0.035 ppbv

RT: 1.596 min Scan# 4

Delta R.T. -0.013 min

Lab File: VL042825.D

Acq: 07 Aug 2025 09:53

Instrument :

MSVOA_L

ClientSampleId :

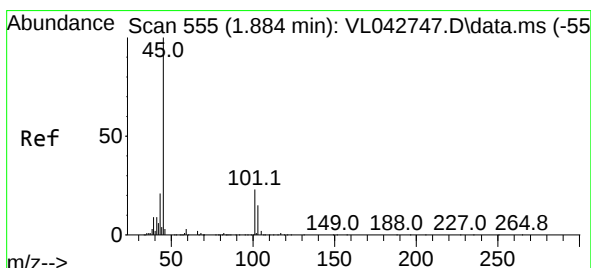
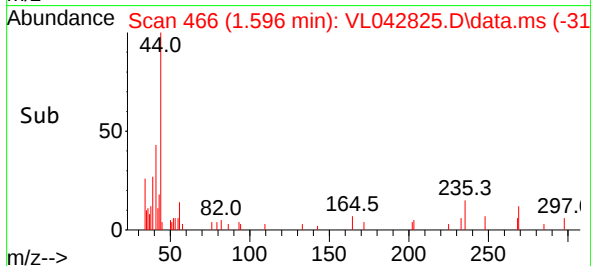
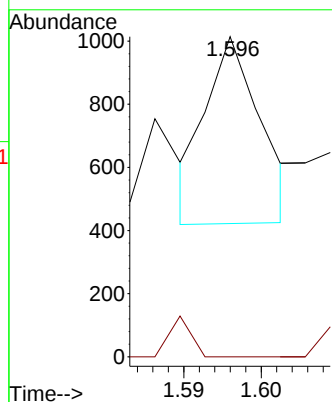
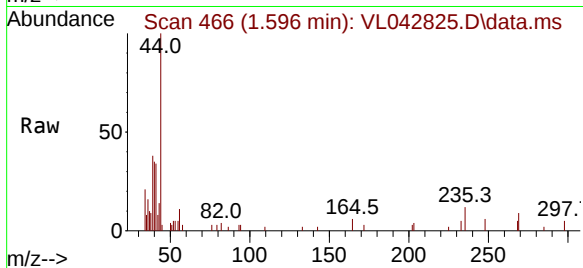
VL0807ABL01

Tgt Ion: 39 Resp: 292

Ion Ratio Lower Upper

39 100

54 0.0 54.5 81.7#



#19

Isopropyl Alcohol

Concen: 0.110 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.000 min

Lab File: VL042825.D

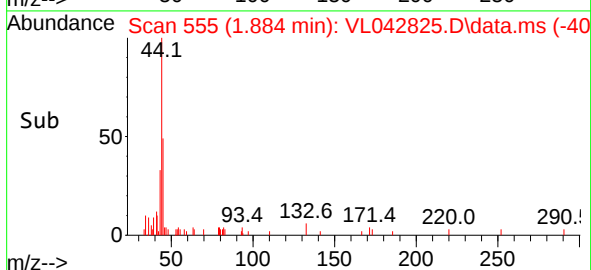
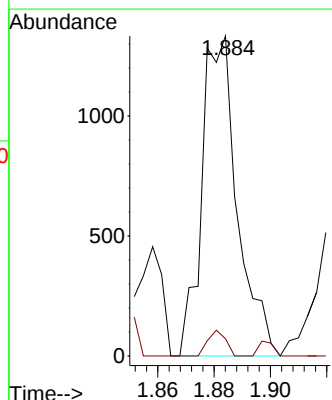
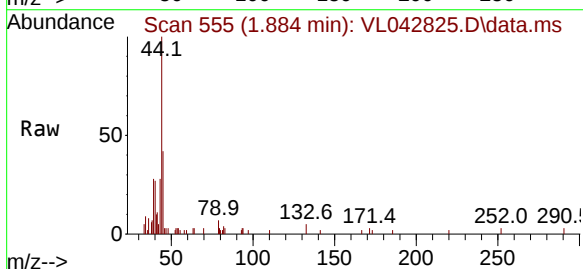
Acq: 07 Aug 2025 09:53

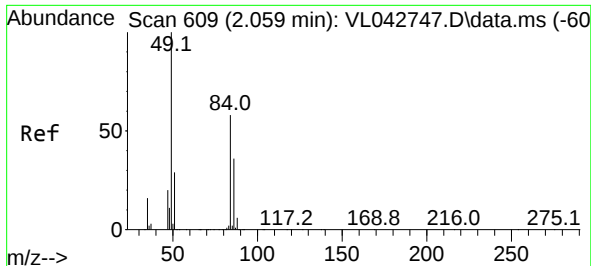
Tgt Ion: 45 Resp: 1162

Ion Ratio Lower Upper

45 100

58 5.9 30.0 45.0#



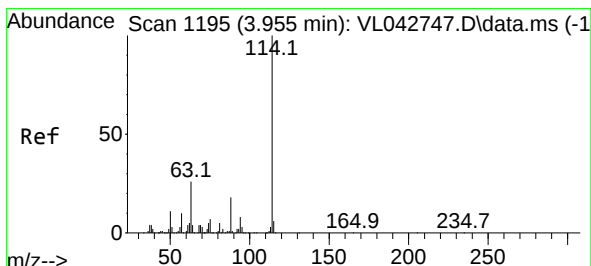
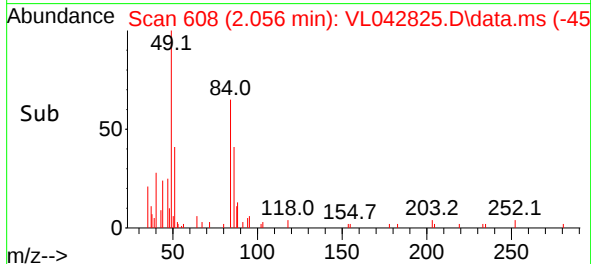
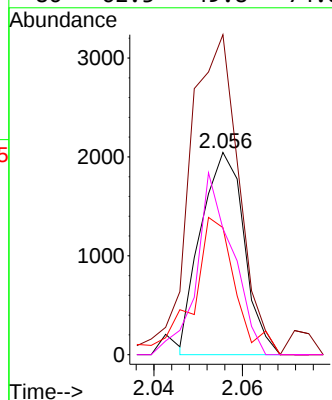
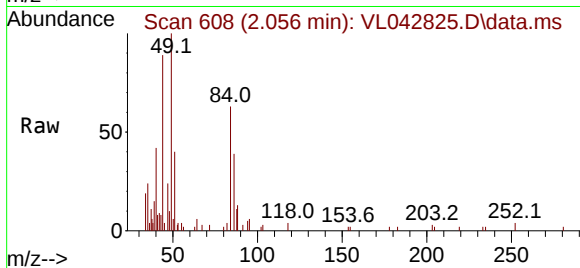


#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 2.056 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

Instrument :
MSVOA_1
ClientSampleId :
VL0807ABL01

Tgt Ion: 84 Resp: 1391

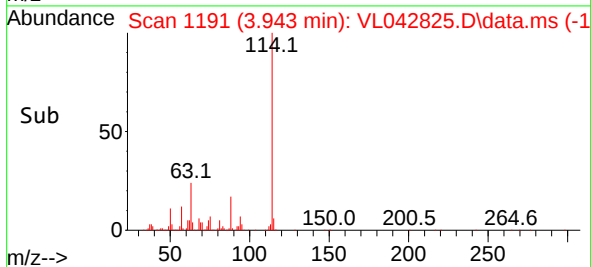
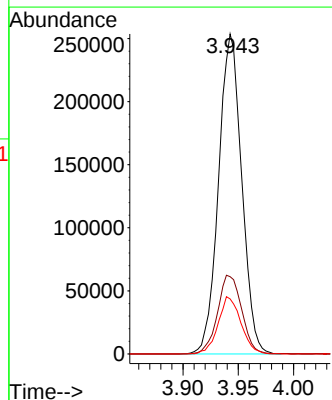
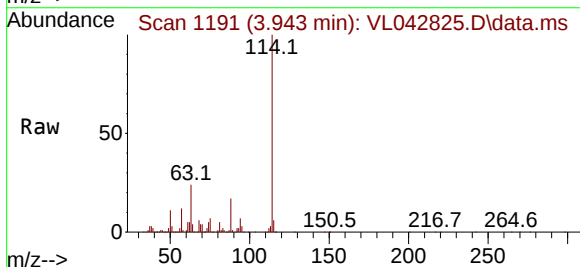
Ion	Ratio	Lower	Upper
84	100		
49	158.2	138.6	208.0
51	62.8	40.6	61.0
86	62.3	49.8	74.8

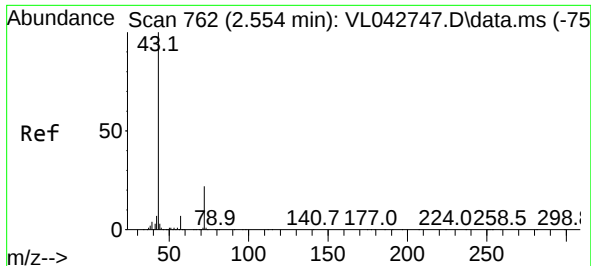


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.943 min Scan# 1191
Delta R.T. -0.013 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

Tgt Ion: 114 Resp: 368987

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.5	30.7
88	17.6	14.0	21.0

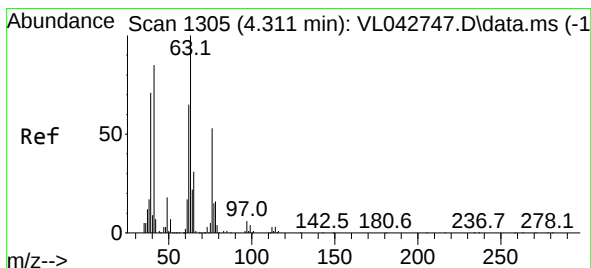
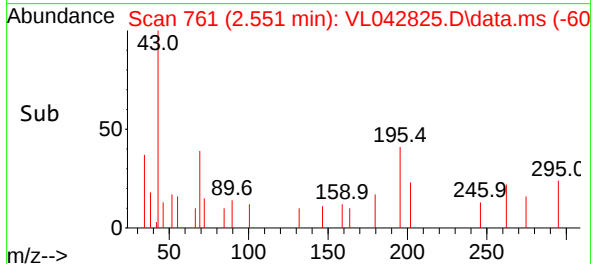
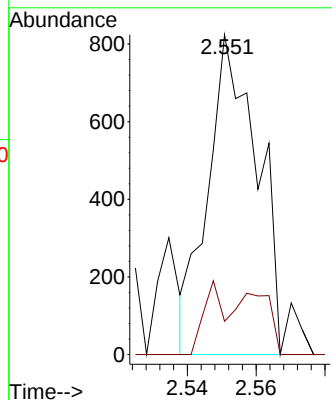
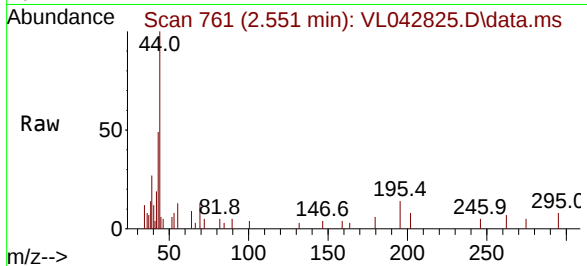




#34
2-Butanone
Concen: 0.031 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.003 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

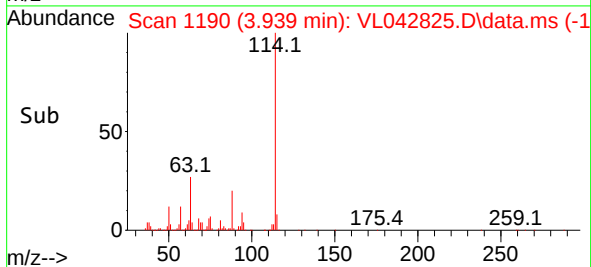
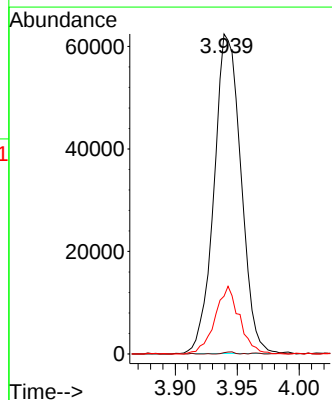
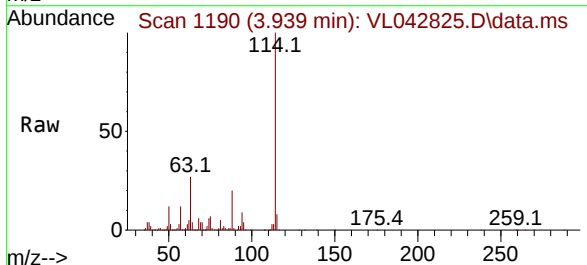
Instrument :
MSVOA_1
ClientSampleId :
VL0807ABL01

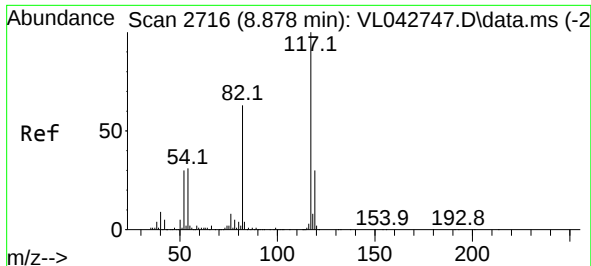
Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
72 22.7 17.4 26.0



#39
1,2-Dichloropropane
Concen: 7.303 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. -0.372 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

Tgt Ion: 63 Resp: 94265
Ion Ratio Lower Upper
63 100
41 0.3 68.2 102.4#
62 18.1 52.0 78.0#

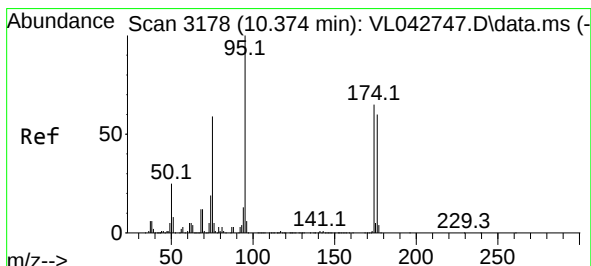
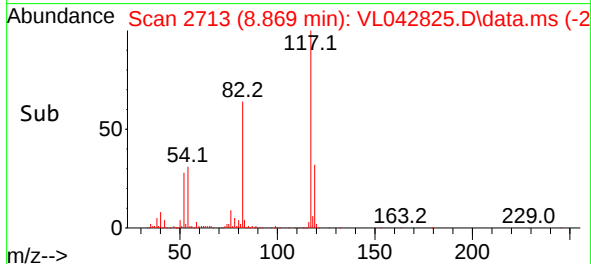
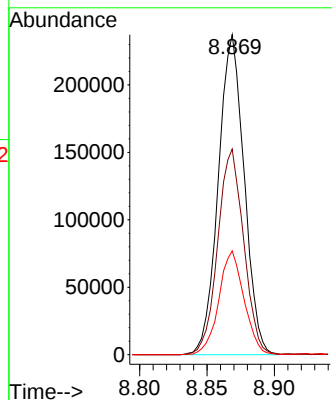
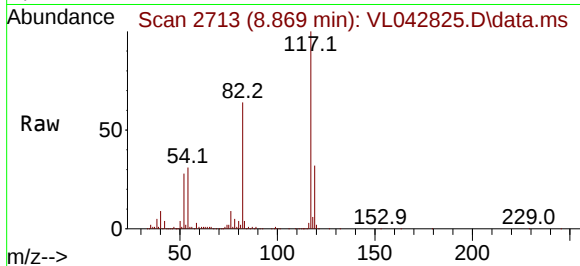




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

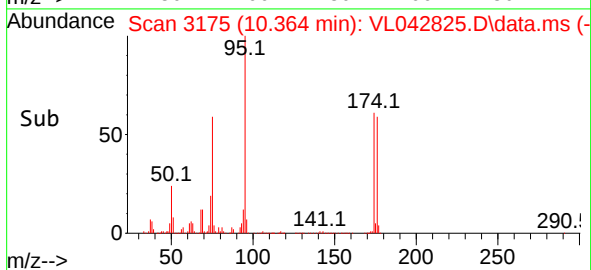
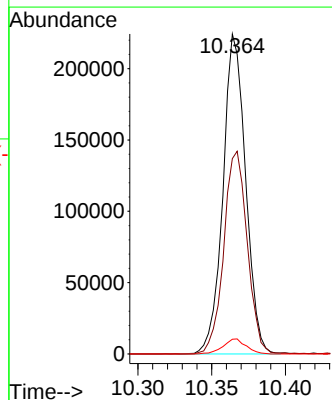
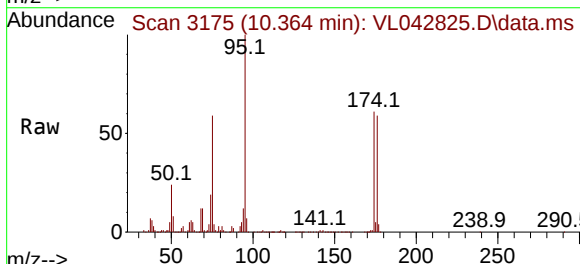
Instrument :
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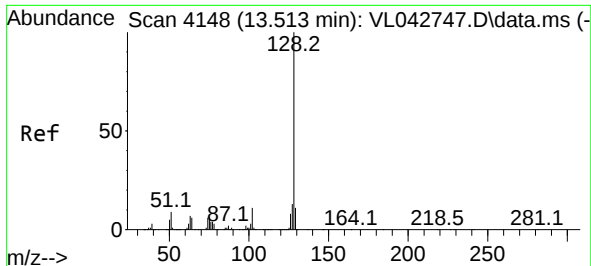
Tgt Ion:117 Resp: 317212
Ion Ratio Lower Upper
117 100
82 64.3 53.3 79.9
119 31.7 25.8 38.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.526 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.010 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

Tgt Ion: 95 Resp: 239316
Ion Ratio Lower Upper
95 100
174 66.1 53.8 80.6
175 4.7 4.0 6.0

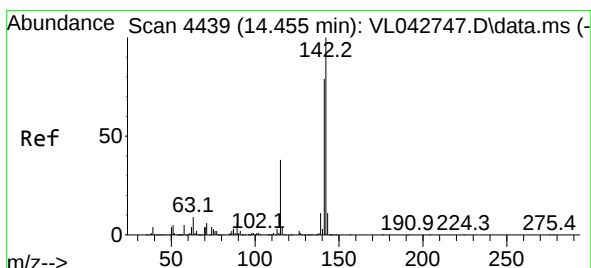
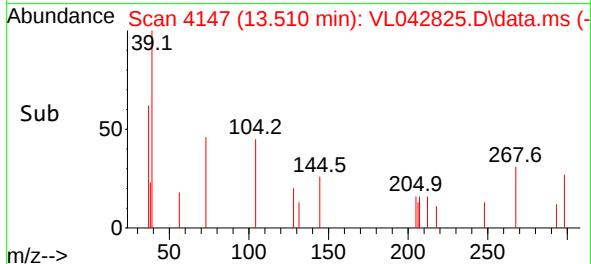
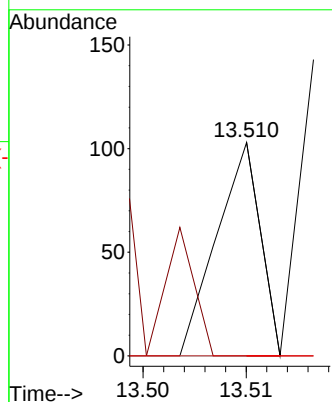
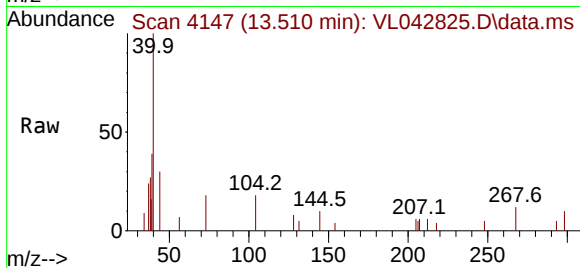




#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

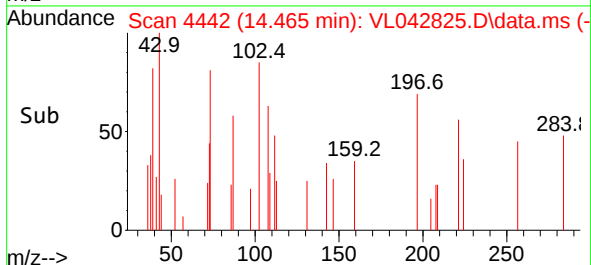
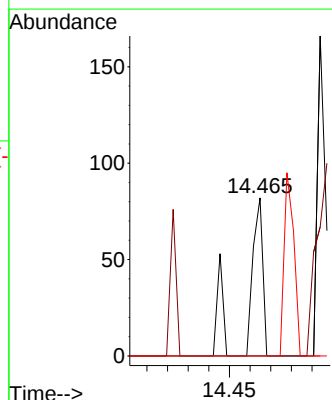
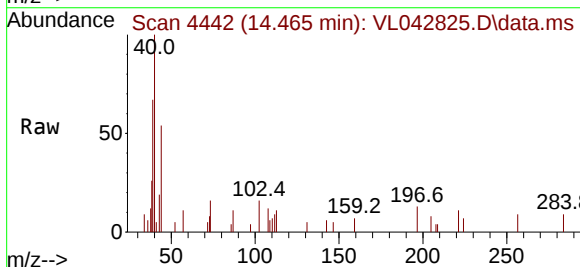
Instrument :
MSVOA_L
ClientSampleId :
VL0807ABL01

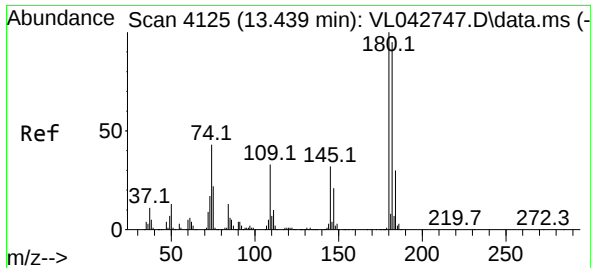
Tgt Ion:128 Resp: 30
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.130 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.010 min
Lab File: VL042825.D
Acq: 07 Aug 2025 09:53

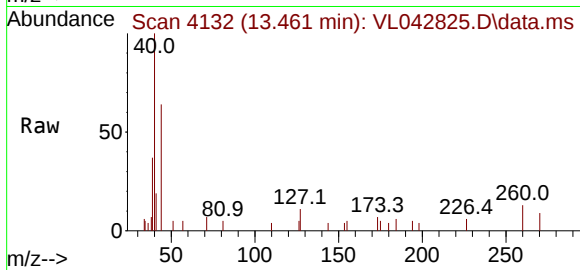
Tgt Ion:142 Resp: 37
Ion Ratio Lower Upper
142 100
141 0.0 65.8 98.8#
115 0.0 31.2 46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.435 ppbv
 RT: 13.461 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: VL042825.D
 Acq: 07 Aug 2025 09:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0807ABL01



Tgt Ion:180 Resp: 11
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.2#
 184 409.1 24.8 37.2#

