

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043045.D
 Acq On : 06 Oct 2025 09:19
 Operator : SY/MD
 Sample : VL1006ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1006ABL01

Quant Time: Oct 07 01:32:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

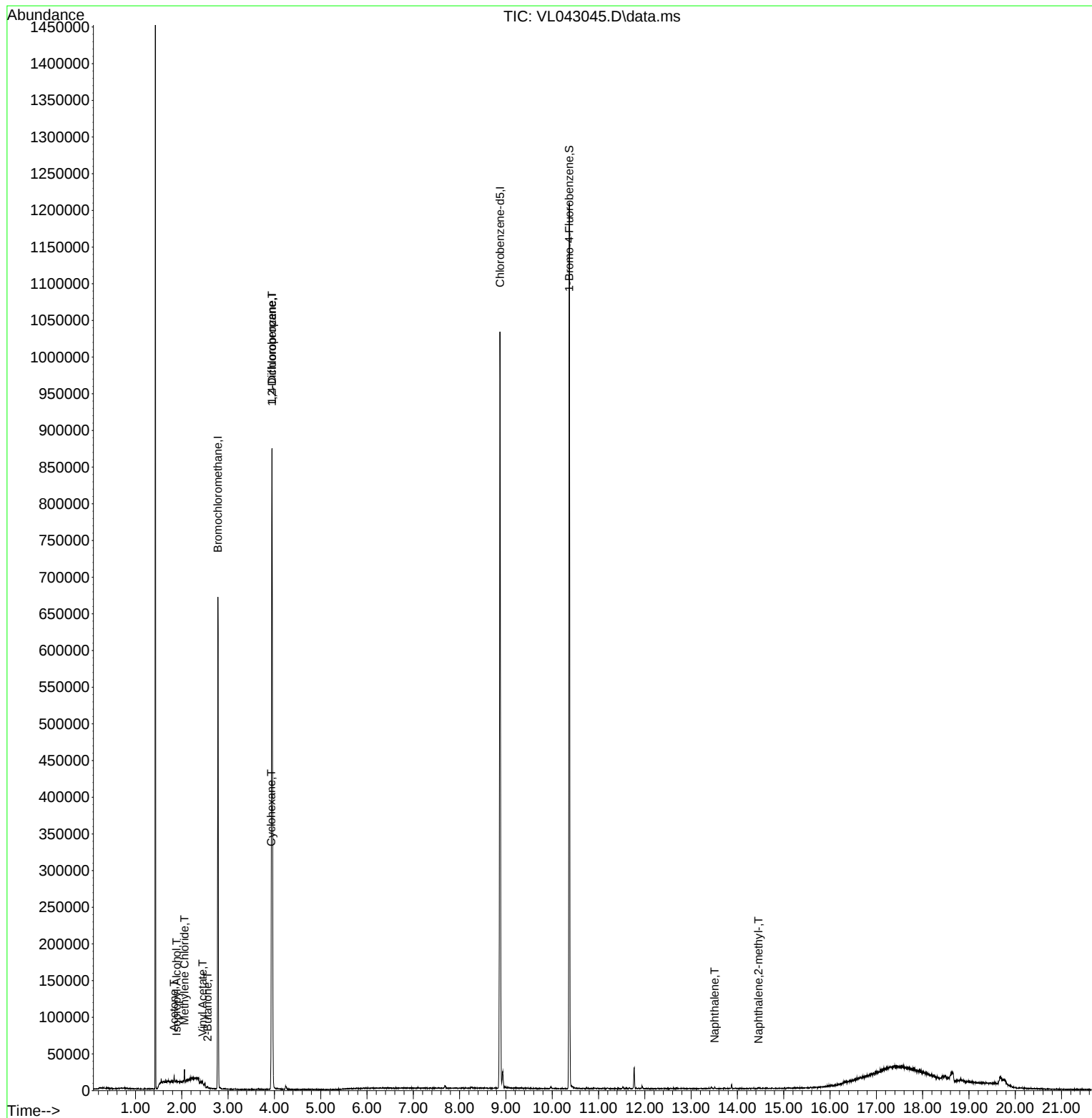
Internal Standards						
1) Bromochloromethane	2.781	49	178856	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	516182	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	413895	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	290223	9.734	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
13) Ethanol	1.887	45	526	Below Cal	#	41
15) Acetone	1.832	43	2784	0.111	ppbv #	34
19) Isopropyl Alcohol	1.887	45	526	0.044	ppbv #	47
20) Methylene Chloride	2.059	84	2630	0.241	ppbv #	94
23) Vinyl Acetate	2.447	43	1103	0.207	ppbv #	1
30) Cyclohexane	3.933	84	635	0.032	ppbv #	10
34) 2-Butanone	2.557	43	1407	0.040	ppbv	92
39) 1,2-Dichloropropane	3.946	63	128723	7.042	ppbv #	23
79) Naphthalene	13.507	128	1001	0.254	ppbv #	94
80) Naphthalene,2-methyl-	14.452	142	702	0.689	ppbv #	88

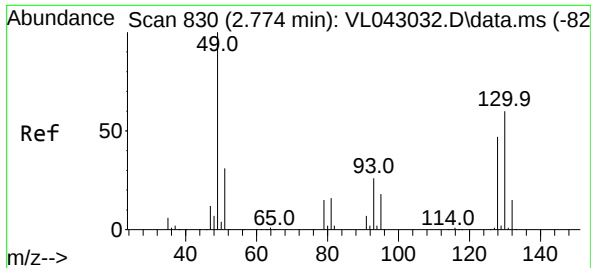
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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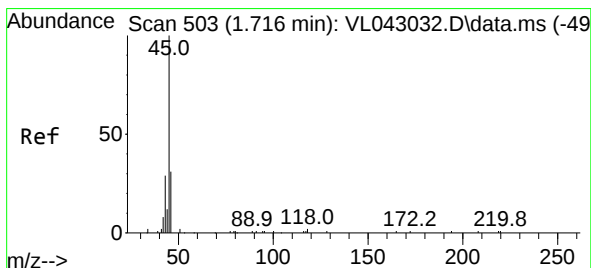
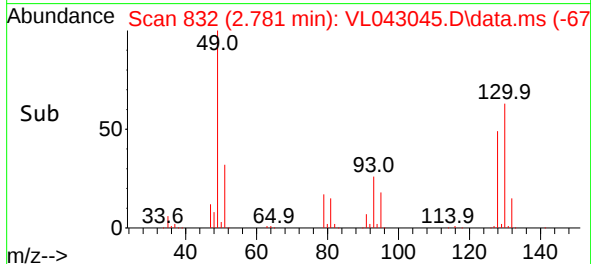
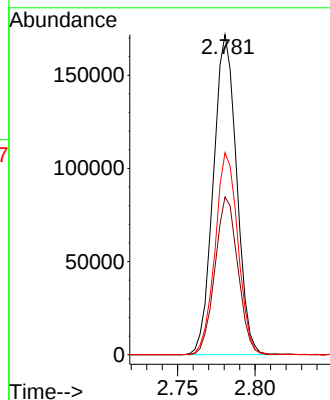
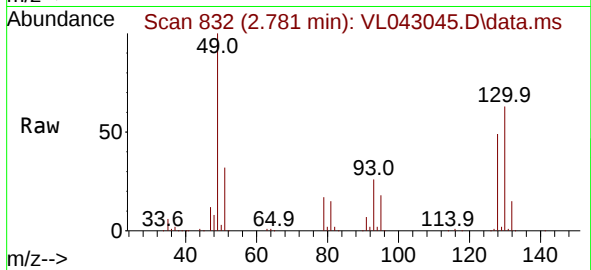




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

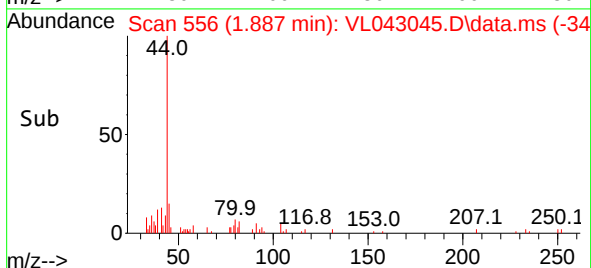
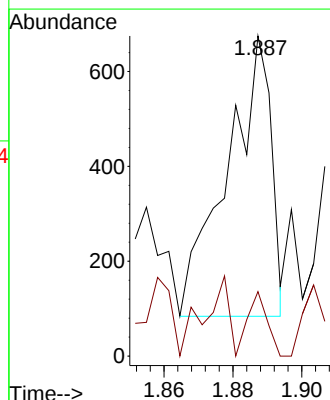
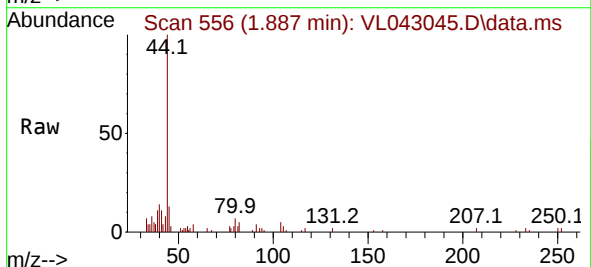
Instrument :
MSVOA_1
ClientSampleId :
VL1006ABL01

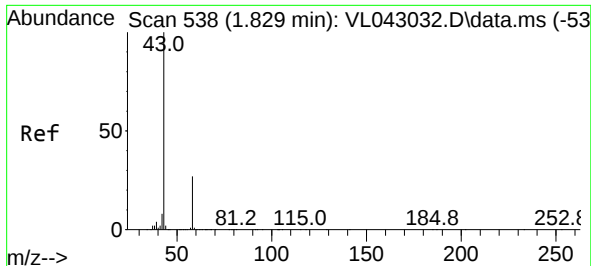
Tgt Ion: 49 Resp: 178856
Ion Ratio Lower Upper
49 100
128 48.7 24.1 72.2
130 62.2 31.4 94.3



#13
Ethanol
Concen: Below Cal
RT: 1.887 min Scan# 556
Delta R.T. 0.171 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion: 45 Resp: 526
Ion Ratio Lower Upper
45 100
46 82.9 17.8 71.4#

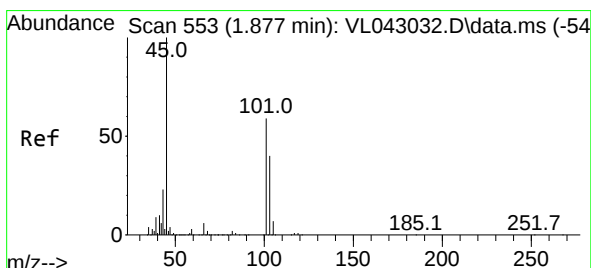
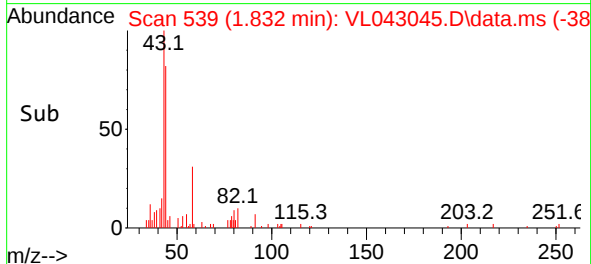
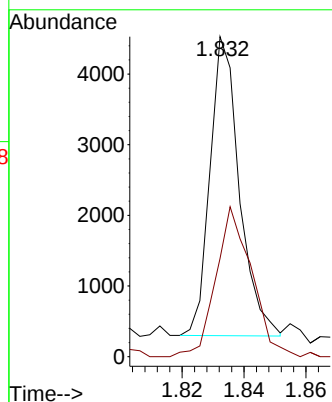
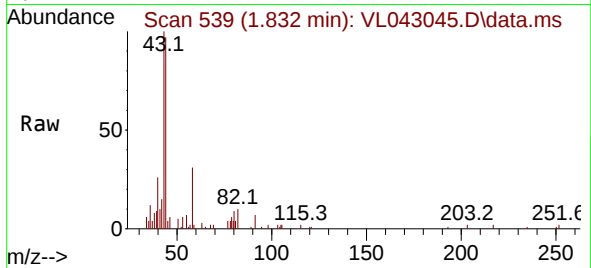




#15
Acetone
Concen: 0.111 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

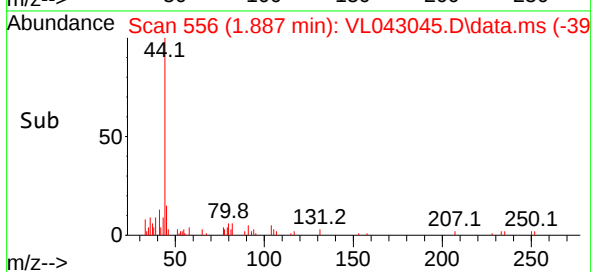
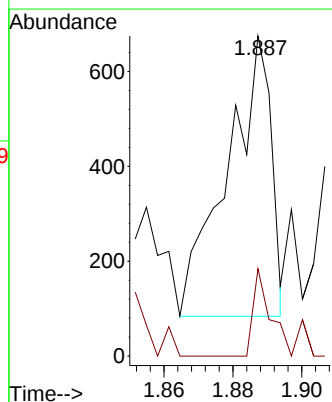
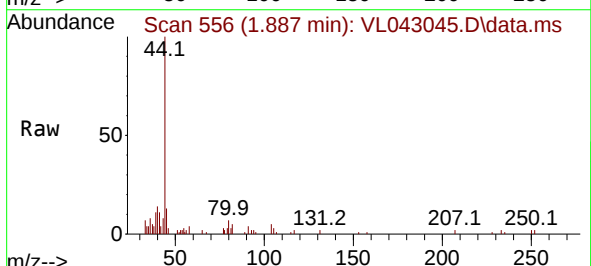
Instrument :
MSVOA_L
ClientSampleId :
VL1006ABL01

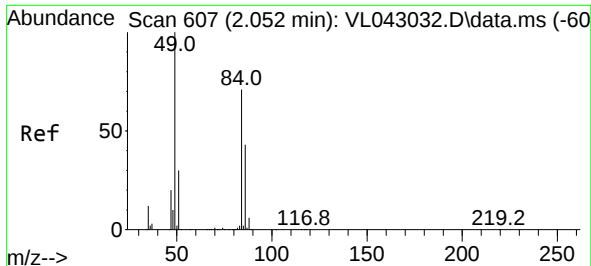
Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
58 62.6 22.2 33.4#



#19
Isopropyl Alcohol
Concen: 0.044 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.010 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion: 45 Resp: 526
Ion Ratio Lower Upper
45 100
58 15.0 42.3 63.5#

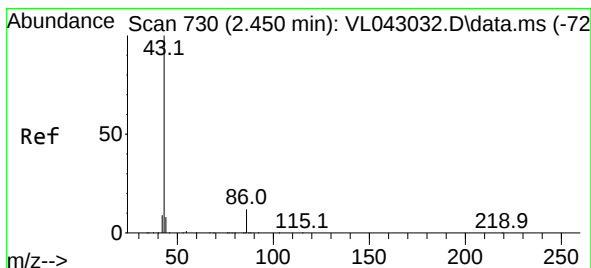
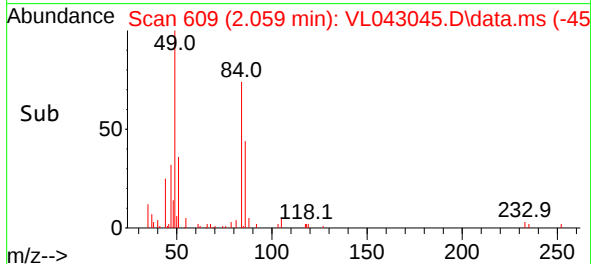
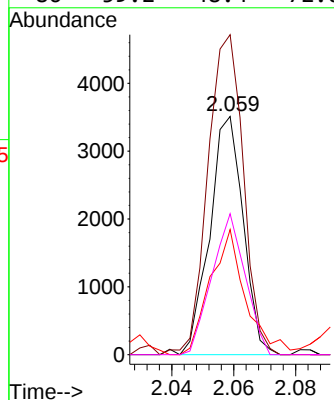
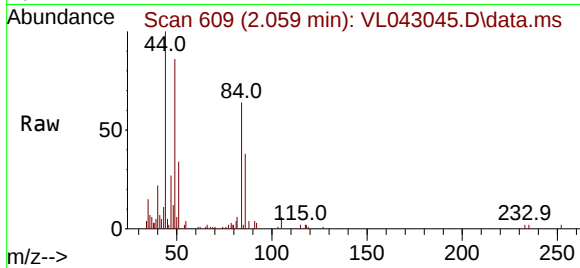




#20
Methylene Chloride
Concen: 0.241 ppbv
RT: 2.059 min Scan# 607
Delta R.T. 0.007 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

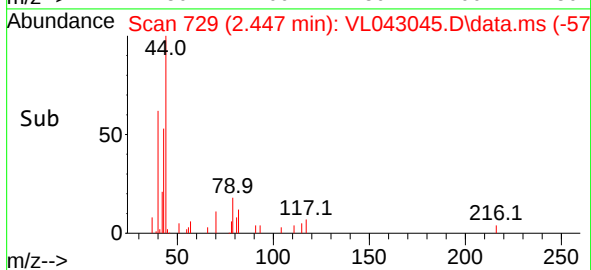
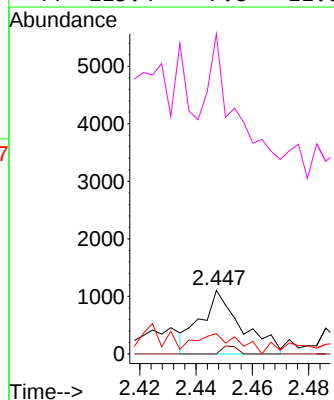
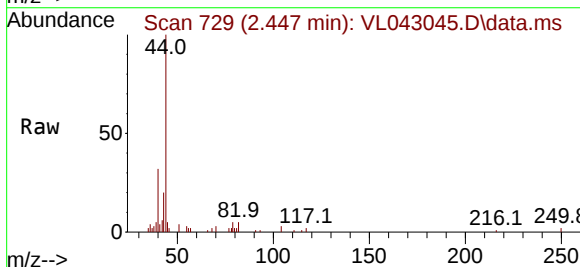
Instrument :
MSVOA_1
ClientSampleId :
VL1006ABL01

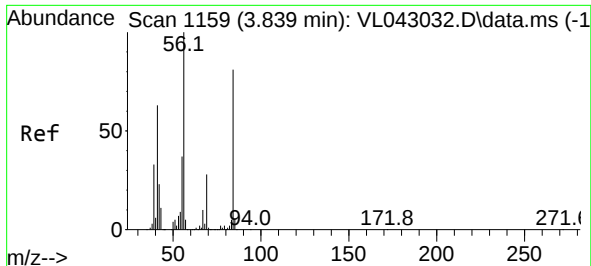
Tgt Ion:	84	Resp:	2630
Ion	Ratio	Lower	Upper
84	100		
49	134.3	112.5	168.7
51	52.5	34.2	51.2#
86	59.2	48.4	72.6



#23
Vinyl Acetate
Concen: 0.207 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.003 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion:	43	Resp:	1103
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#
42	28.6	8.4	12.6#
44	213.4	7.8	11.8#

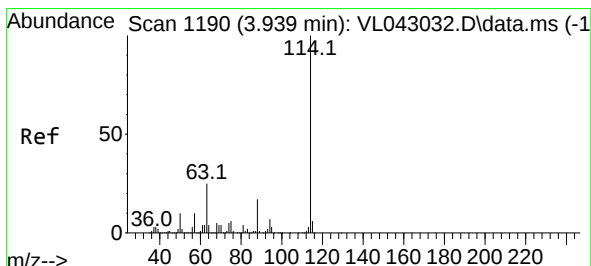
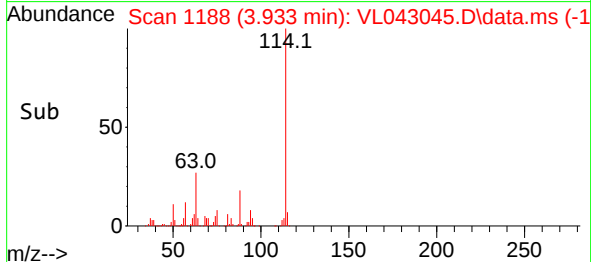
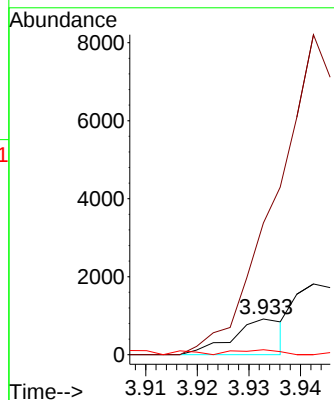
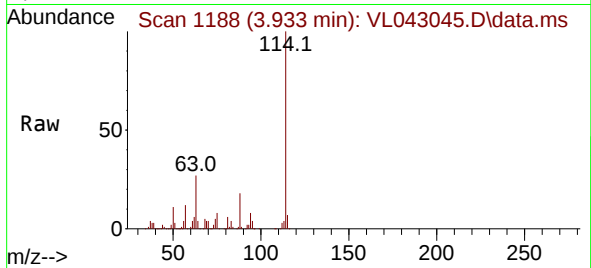




#30
Cyclohexane
Concen: 0.032 ppbv
RT: 3.933 min Scan# 1159
Delta R.T. 0.094 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

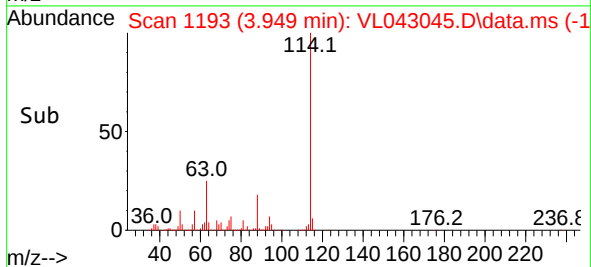
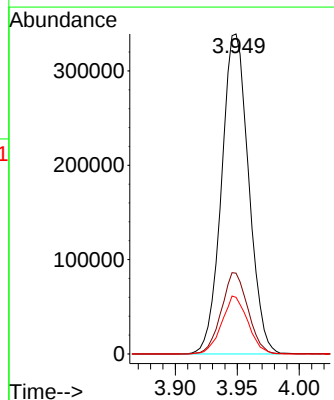
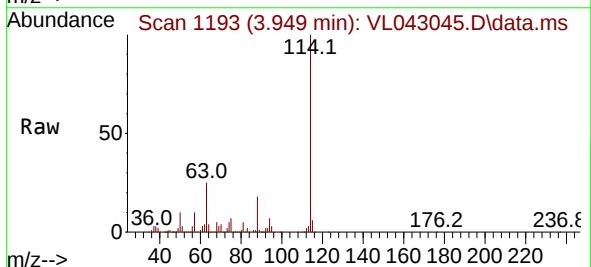
Instrument :
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ClientSampleId :
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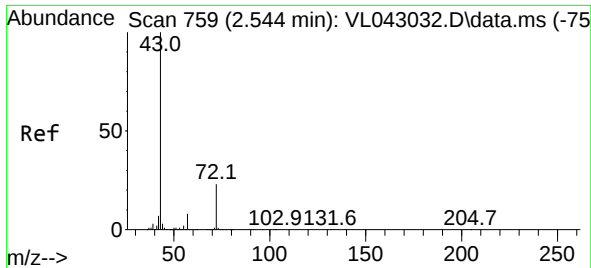
Tgt Ion: 84 Resp: 635
Ion Ratio Lower Upper
84 100
56 0.0 99.9 149.9#
41 28.8 64.2 96.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.010 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion: 114 Resp: 516182
Ion Ratio Lower Upper
114 100
63 25.0 19.4 29.2
88 17.4 13.9 20.9

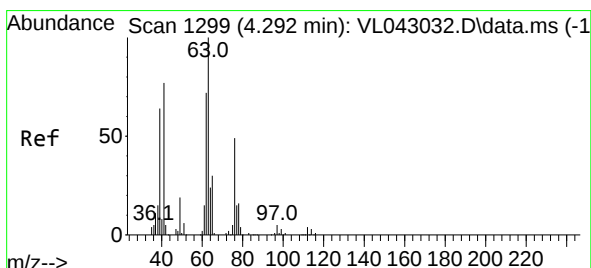
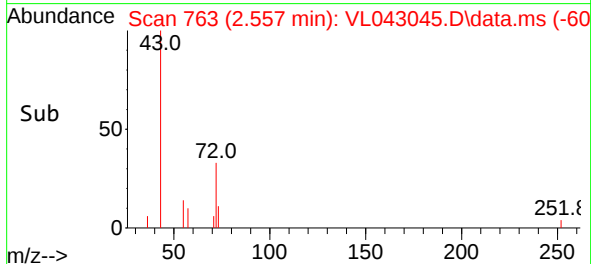
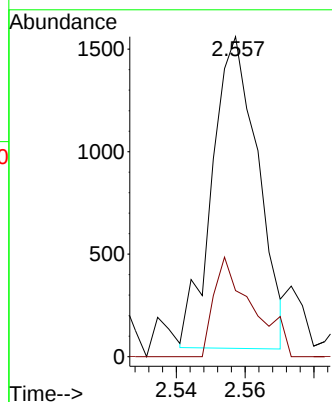
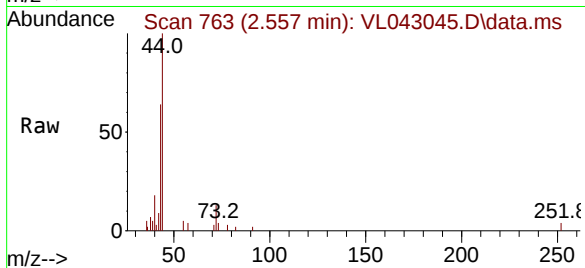




#34
2-Butanone
Concen: 0.040 ppbv
RT: 2.557 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

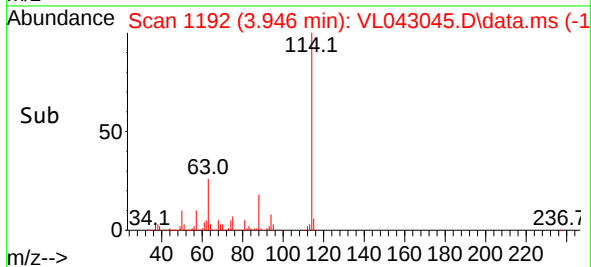
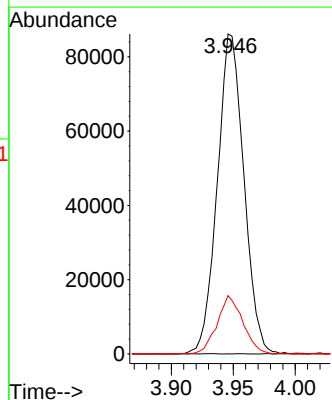
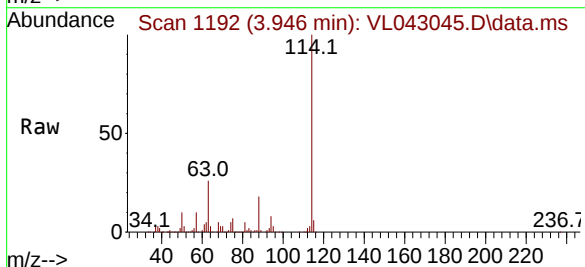
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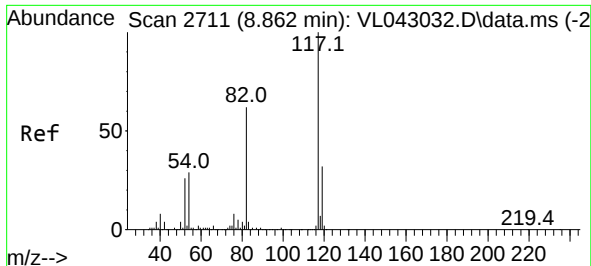
Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
72 26.8 18.4 27.6



#39
1,2-Dichloropropane
Concen: 7.042 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.346 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion: 63 Resp: 128723
Ion Ratio Lower Upper
63 100
41 0.0 61.6 92.4#
62 18.2 58.1 87.1#

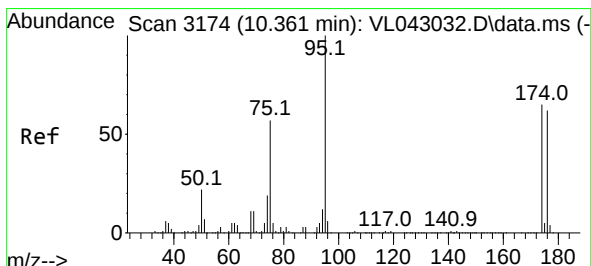
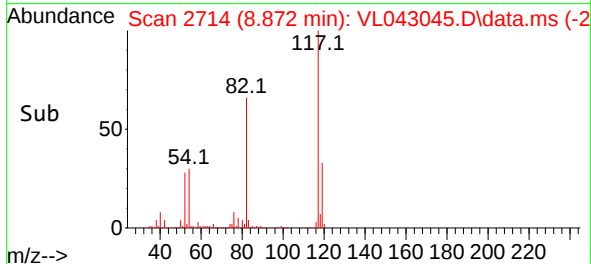
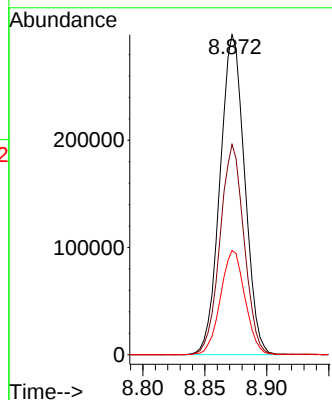
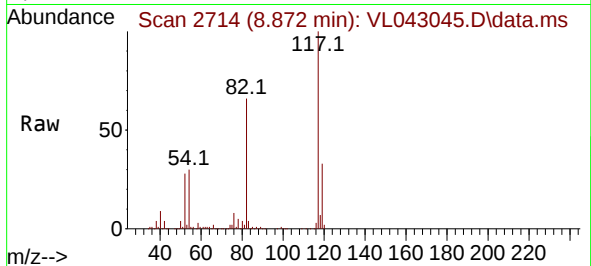




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

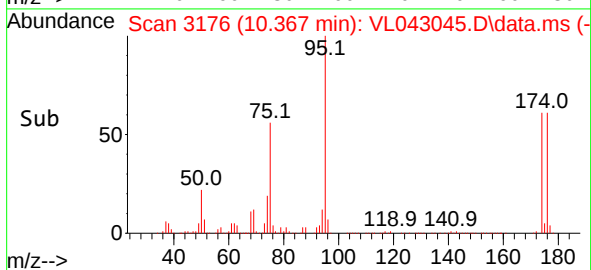
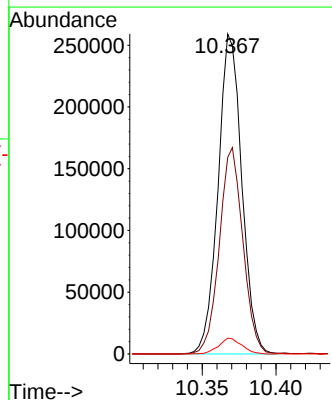
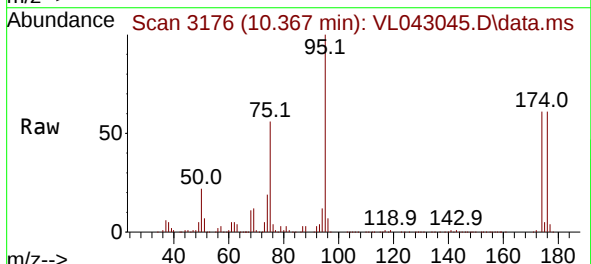
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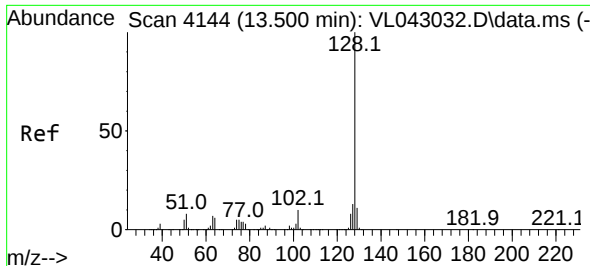
Tgt Ion:117 Resp: 413895
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 32.5 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.734 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. 0.007 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion: 95 Resp: 290223
Ion Ratio Lower Upper
95 100
174 64.4 52.3 78.5
175 4.8 3.8 5.8

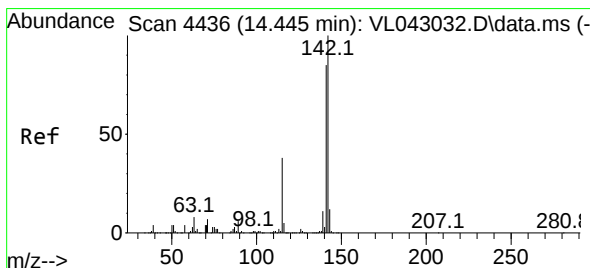
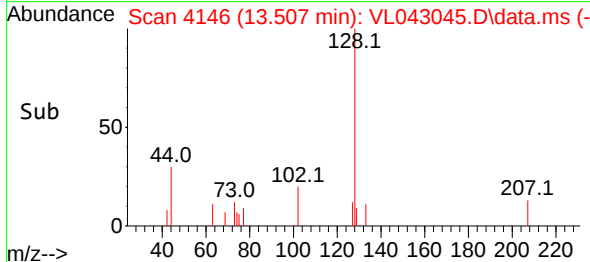
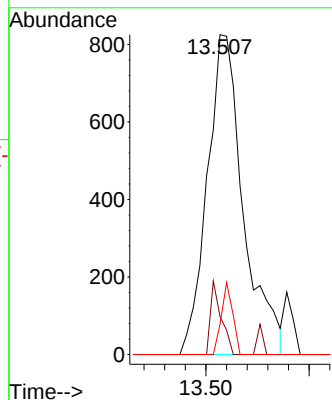
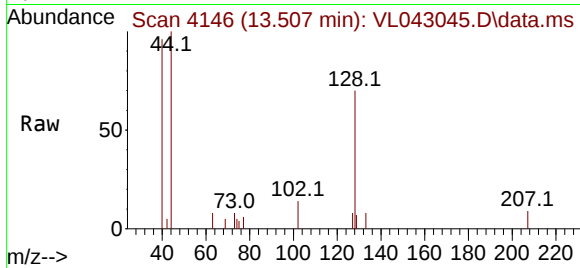




#79
Naphthalene
Concen: 0.254 ppbv
RT: 13.507 min Scan# 4144
Delta R.T. 0.007 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Instrument :
MSVOA_1
ClientSampleId :
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Tgt Ion:128 Resp: 1001
Ion Ratio Lower Upper
128 100
127 10.9 10.6 16.0
129 8.6 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.689 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. 0.007 min
Lab File: VL043045.D
Acq: 06 Oct 2025 09:19

Tgt Ion:142 Resp: 702
Ion Ratio Lower Upper
142 100
141 74.4 66.6 100.0
115 48.0 30.1 45.1#

