

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042901.D
 Acq On : 08 Sep 2025 11:55
 Operator : SY/MD
 Sample : VL0908ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABL01

Quant Time: Sep 09 00:55:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

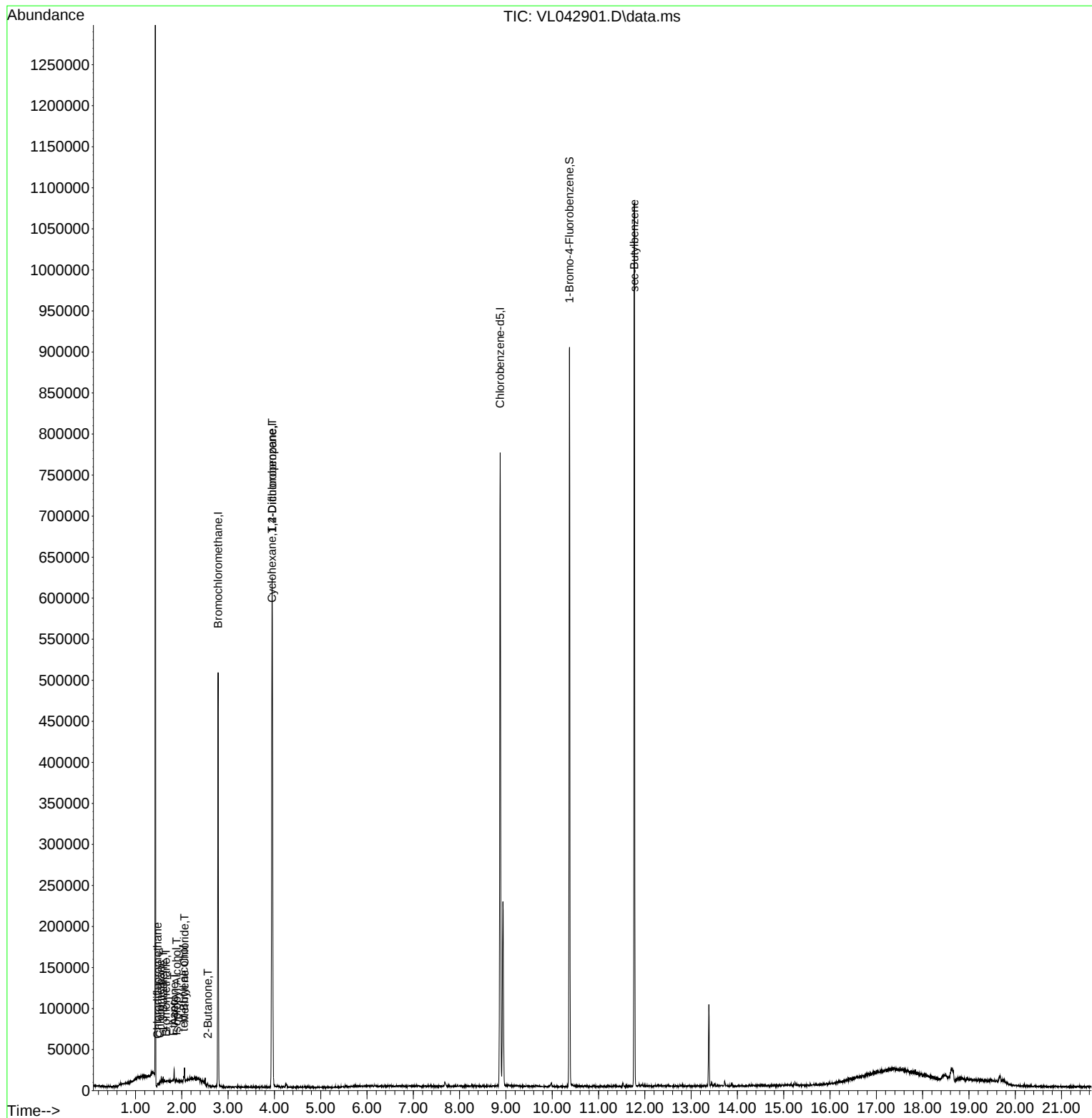
Internal Standards						
1) Bromochloromethane	2.784	49	141293	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	355217	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	298537	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	227668	10.169	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.700%	
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	1.476	51	1300	0.057	ppbv	92
4) Chloromethane	1.531	50	251	0.030	ppbv #	62
6) Bromomethane	1.657	94	130	0.040	ppbv #	41
13) Ethanol	1.822	45	393	0.435	ppbv #	32
15) Acetone	1.835	43	6498	0.348	ppbv #	69
16) 1,3-Butadiene	1.599	39	881	0.104	ppbv #	10
17) tert-Butyl alcohol	2.042	59	2046	0.092	ppbv #	72
19) Isopropyl Alcohol	1.887	45	715	0.064	ppbv #	34
20) Methylene Chloride	2.059	84	2128	0.272	ppbv #	84
30) Cyclohexane	3.946	84	1013	0.055	ppbv #	3
34) 2-Butanone	2.560	43	1942	0.081	ppbv	94
39) 1,2-Dichloropropane	3.952	63	95512	7.688	ppbv #	26
67) sec-Butylbenzene	11.772	105	3475	0.046	ppbv #	1

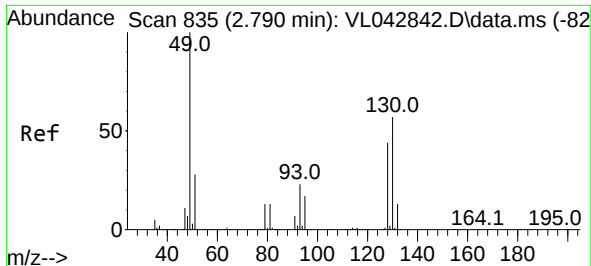
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL042901.D
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Sample : VL0908ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

Quant Time: Sep 09 00:55:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

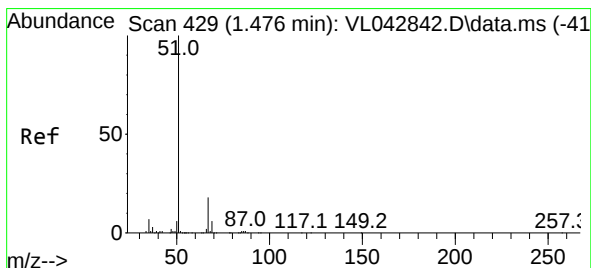
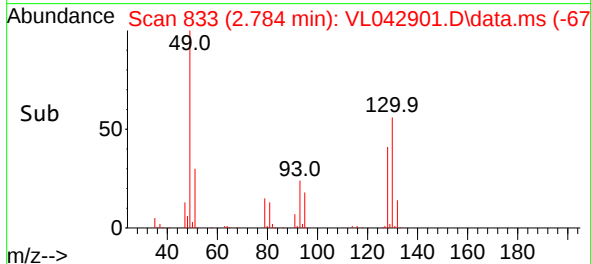
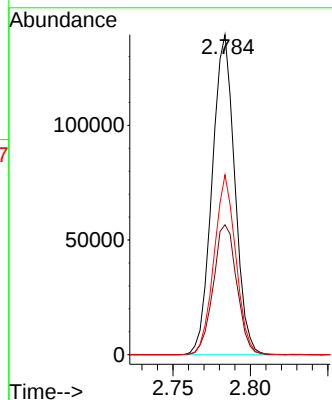
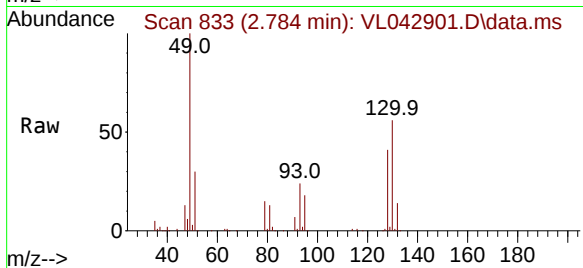




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

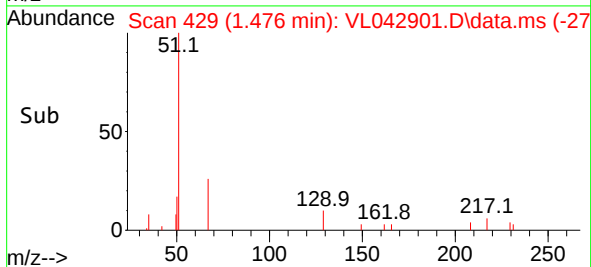
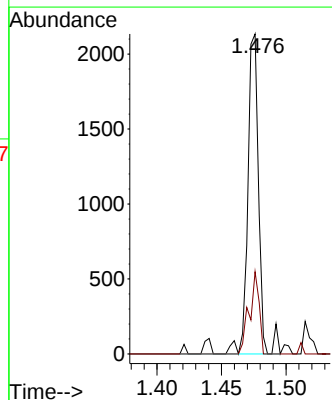
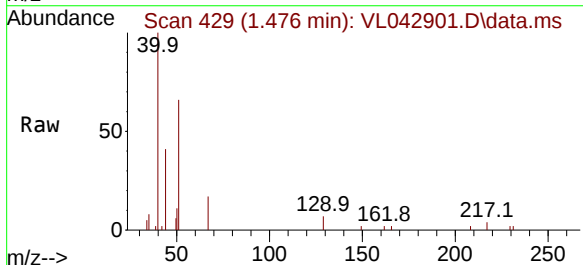
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

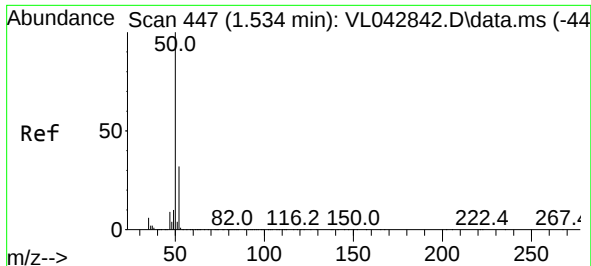
Tgt Ion: 49 Resp: 141293
Ion Ratio Lower Upper
49 100
128 42.4 23.7 71.1
130 54.2 30.6 91.6



#3
Chlorodifluoromethane
Concen: 0.057 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.006 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 51 Resp: 1300
Ion Ratio Lower Upper
51 100
67 22.3 14.9 22.3

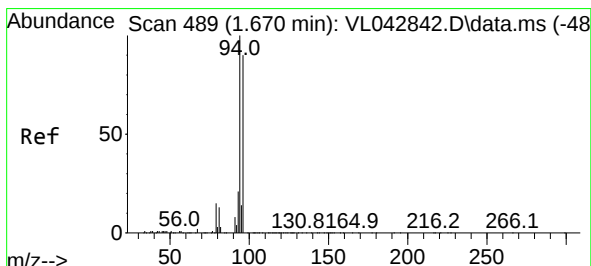
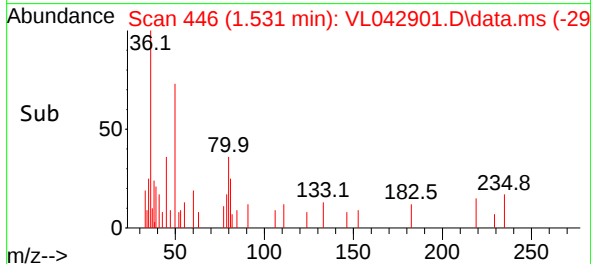
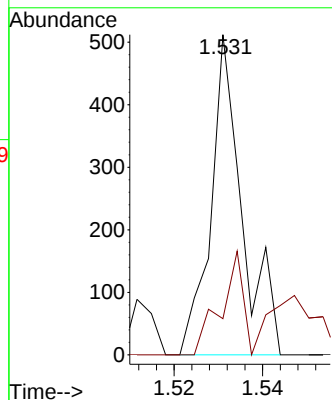
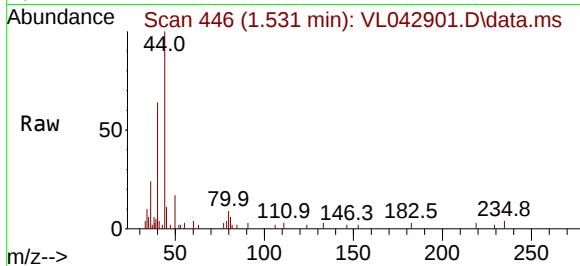




#4
Chloromethane
Concen: 0.030 ppbv
RT: 1.531 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

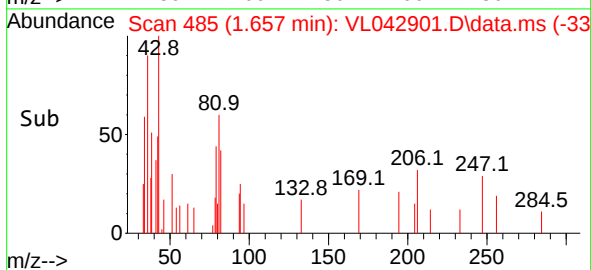
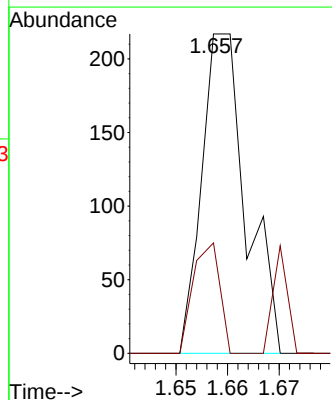
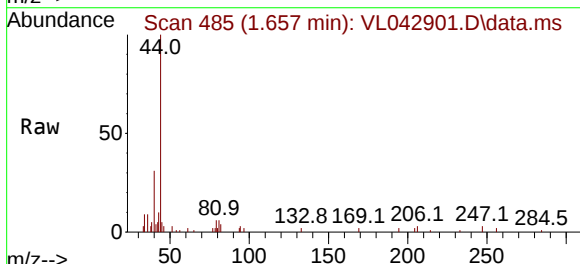
Instrument :
MSVOA_1
ClientSampleId :
VL0908ABL01

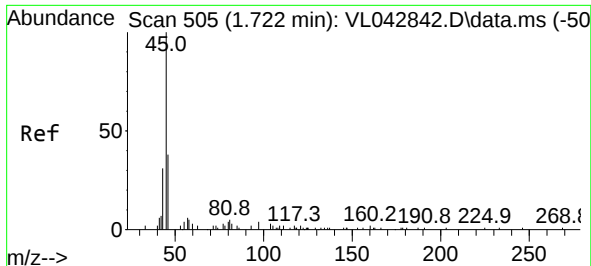
Tgt Ion: 50 Resp: 251
Ion Ratio Lower Upper
50 100
52 11.3 25.9 38.9#



#6
Bromomethane
Concen: 0.040 ppbv
RT: 1.657 min Scan# 485
Delta R.T. -0.007 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 34.6 72.1 108.1#

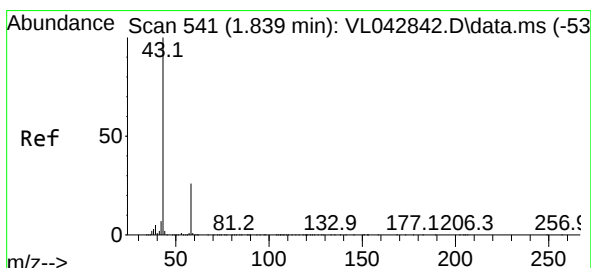
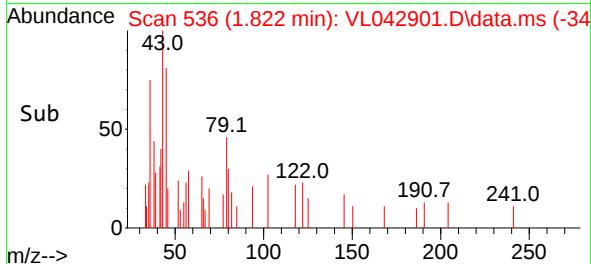
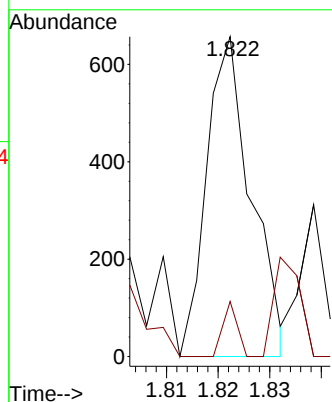
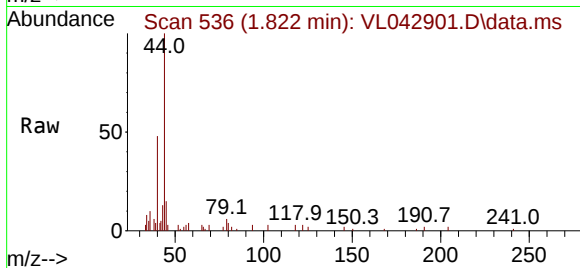




#13
 Ethanol
 Concen: 0.435 ppbv
 RT: 1.822 min Scan# 51
 Delta R.T. 0.107 min
 Lab File: VL042901.D
 Acq: 08 Sep 2025 11:55

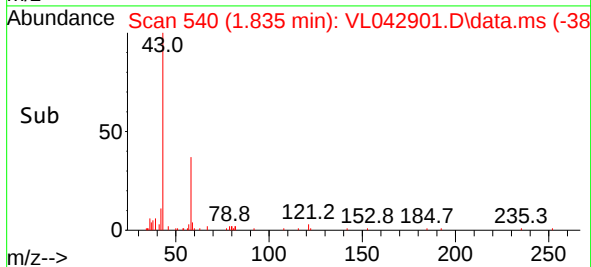
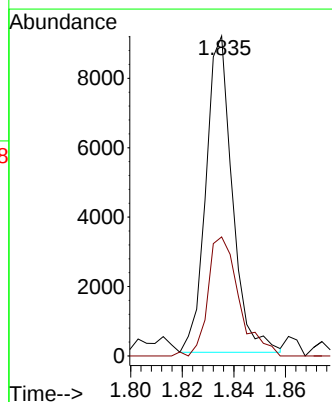
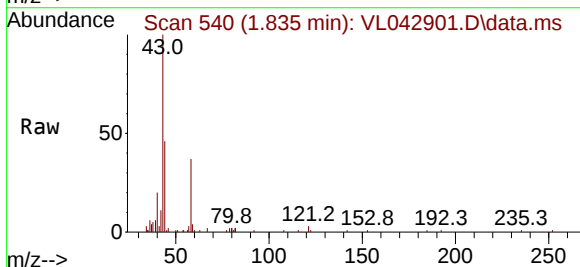
Instrument :
 MSVOA_L
 ClientSampleId :
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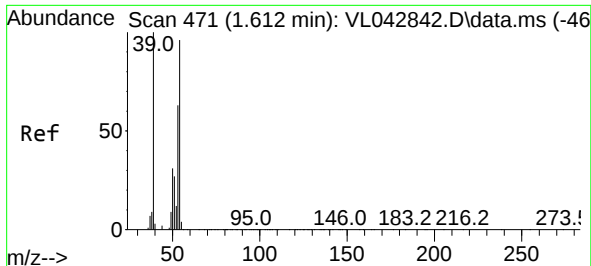
Tgt Ion: 45 Resp: 393
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.5 69.9#



#15
 Acetone
 Concen: 0.348 ppbv
 RT: 1.835 min Scan# 540
 Delta R.T. 0.006 min
 Lab File: VL042901.D
 Acq: 08 Sep 2025 11:55

Tgt Ion: 43 Resp: 6498
 Ion Ratio Lower Upper
 43 100
 58 44.0 22.4 33.6#

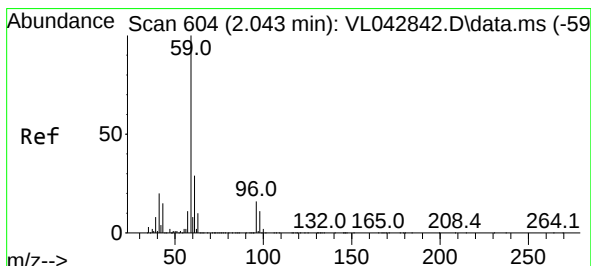
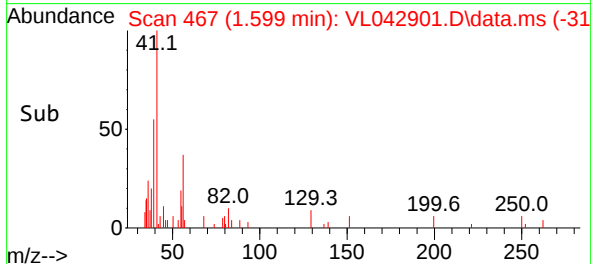
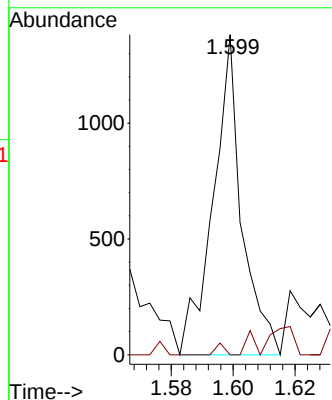
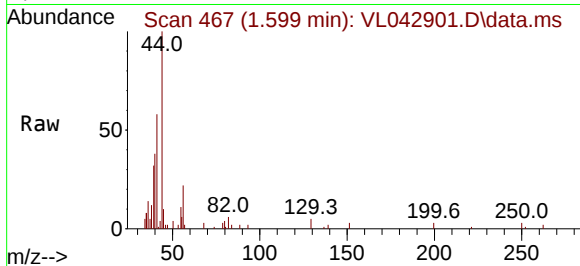




#16
1,3-Butadiene
Concen: 0.104 ppbv
RT: 1.599 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

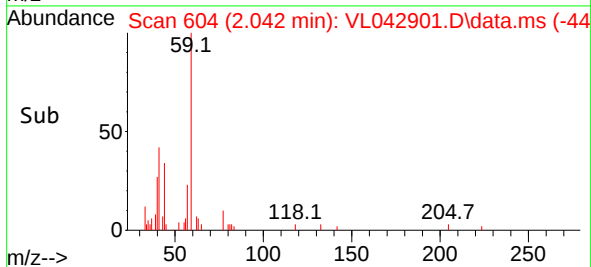
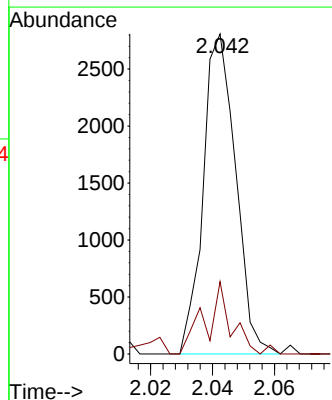
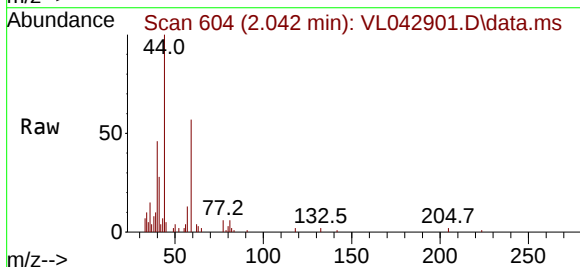
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

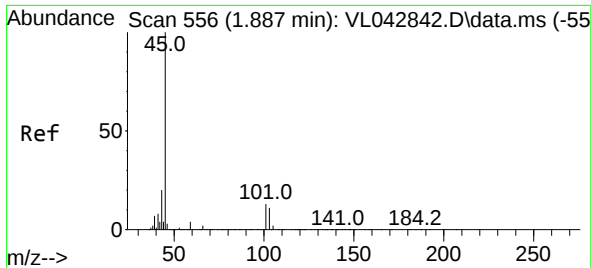
Tgt Ion: 39 Resp: 881
Ion Ratio Lower Upper
39 100
54 0.0 63.6 95.4#



#17
tert-Butyl alcohol
Concen: 0.092 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.009 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 59 Resp: 2046
Ion Ratio Lower Upper
59 100
57 21.9 9.0 13.4#

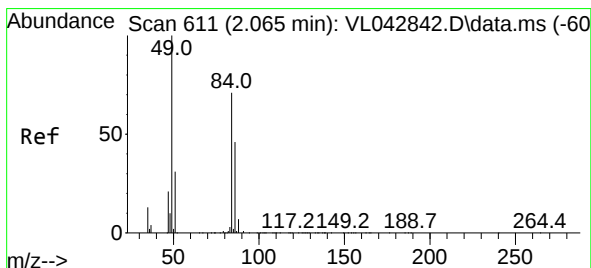
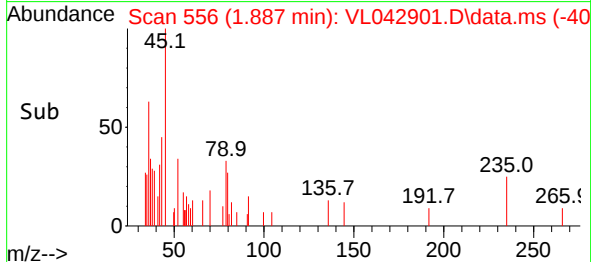
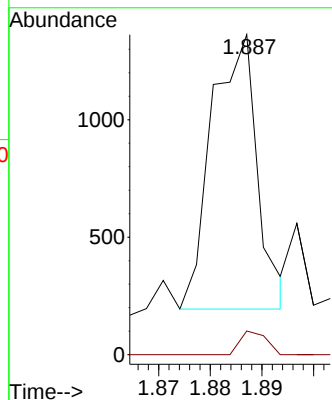
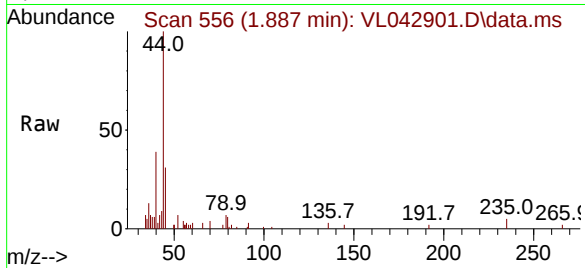




#19
Isopropyl Alcohol
Concen: 0.064 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

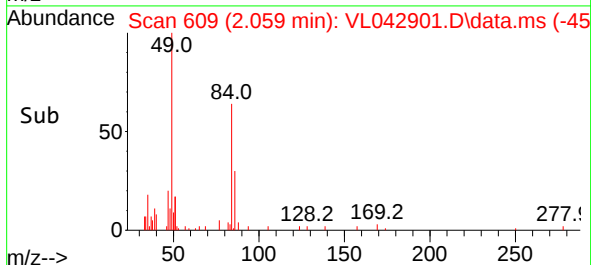
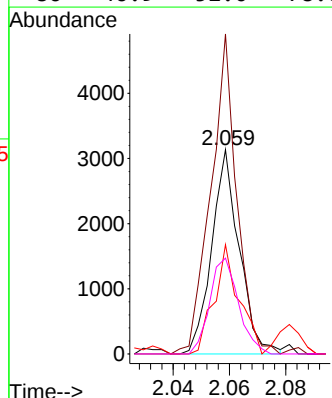
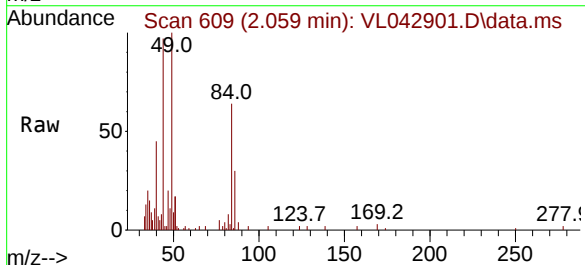
Instrument :
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ClientSampleId :
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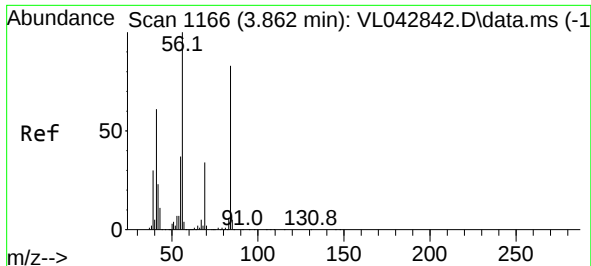
Tgt Ion: 45 Resp: 715
Ion Ratio Lower Upper
45 100
58 0.0 32.7 49.1#



#20
Methylene Chloride
Concen: 0.272 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 84 Resp: 2128
Ion Ratio Lower Upper
84 100
49 156.6 112.3 168.5
51 53.5 36.0 54.0
86 46.9 52.0 78.0#

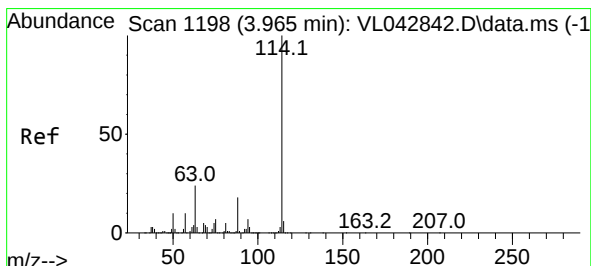
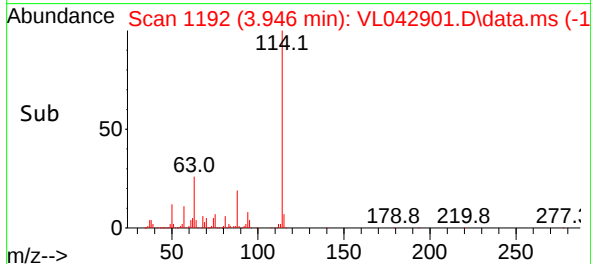
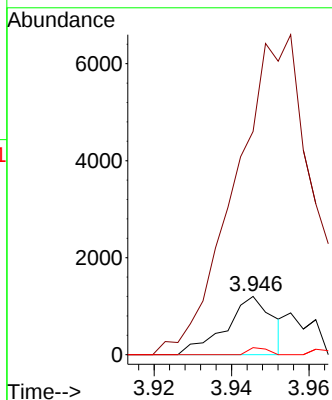
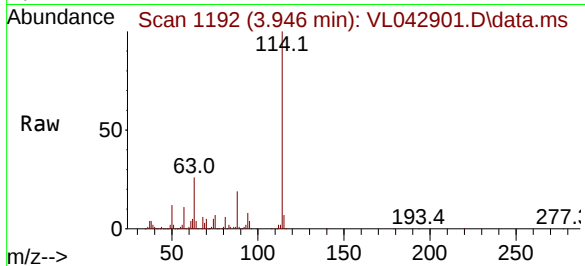




#30
Cyclohexane
Concen: 0.055 ppbv
RT: 3.946 min Scan# 1166
Delta R.T. 0.103 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

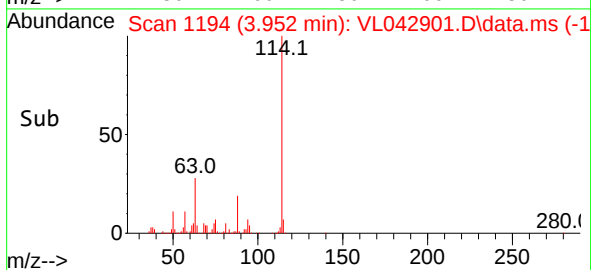
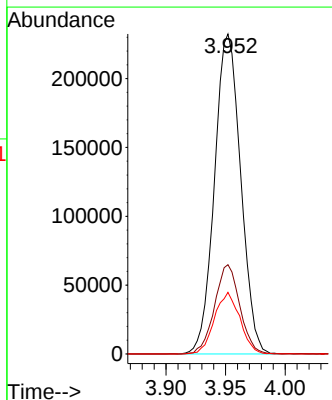
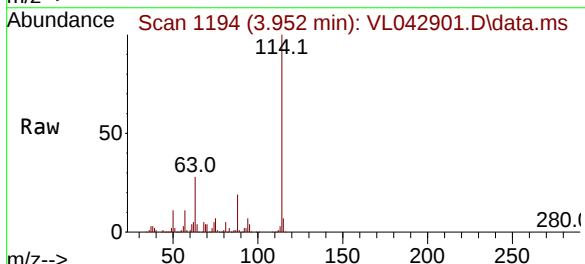
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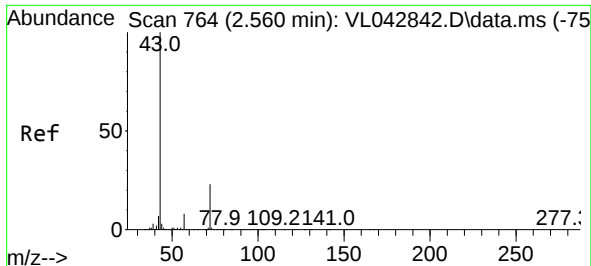
Tgt Ion: 84 Resp: 1013
Ion Ratio Lower Upper
84 100
56 0.0 98.8 148.2#
41 10.2 61.3 91.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.009 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 114 Resp: 355217
Ion Ratio Lower Upper
114 100
63 26.9 19.7 29.5
88 18.7 14.4 21.6

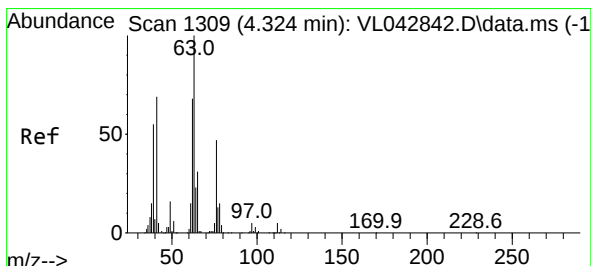
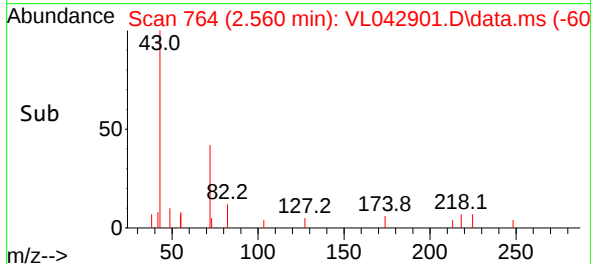
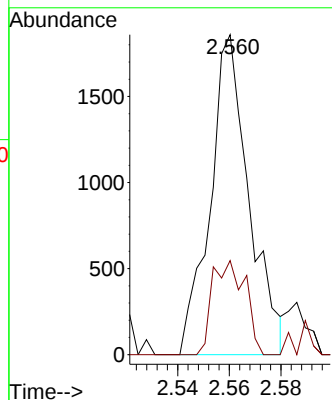
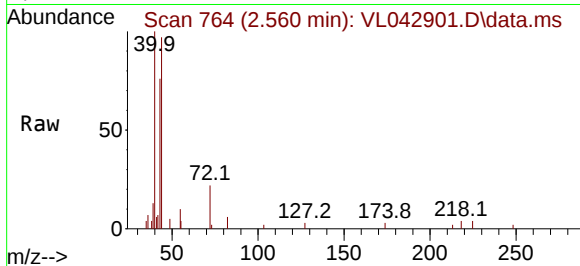




#34
2-Butanone
Concen: 0.081 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.013 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

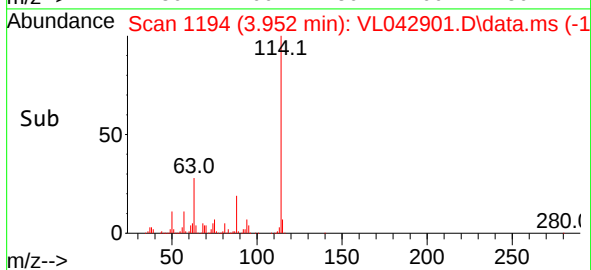
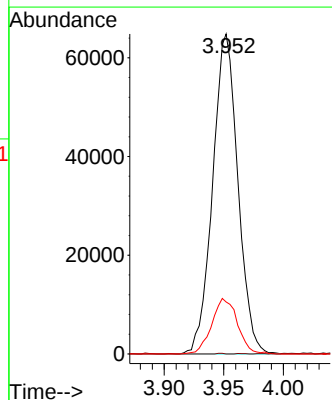
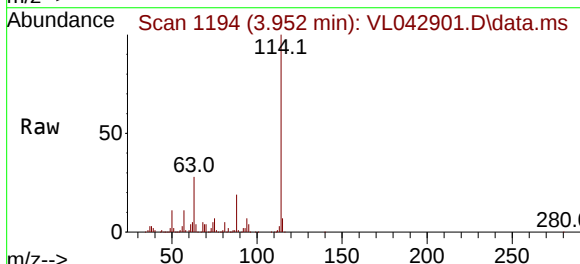
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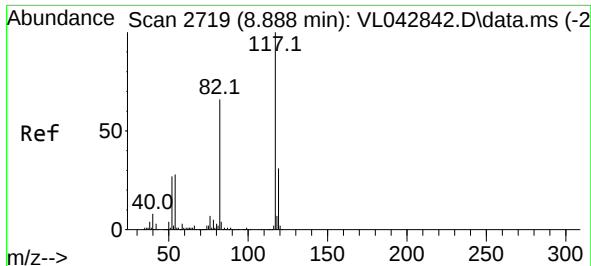
Tgt Ion: 43 Resp: 1942
Ion Ratio Lower Upper
43 100
72 26.3 18.6 28.0



#39
1,2-Dichloropropane
Concen: 7.688 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.347 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion: 63 Resp: 95512
Ion Ratio Lower Upper
63 100
41 0.0 55.0 82.4#
62 16.2 54.4 81.6#

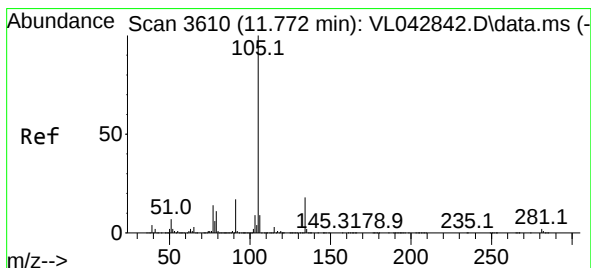
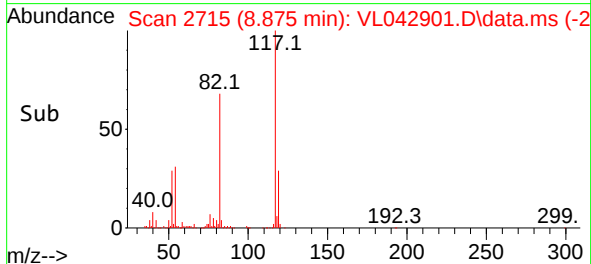
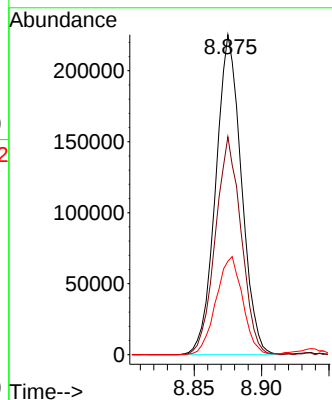
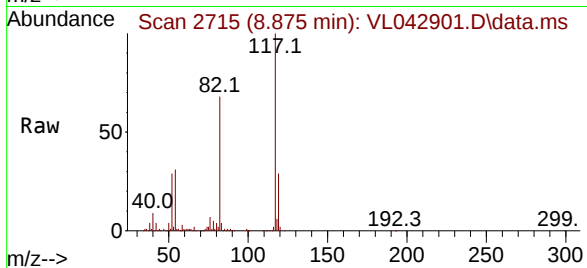




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

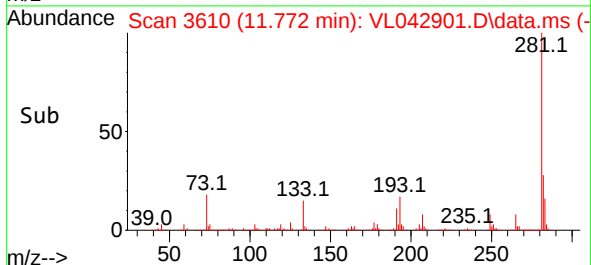
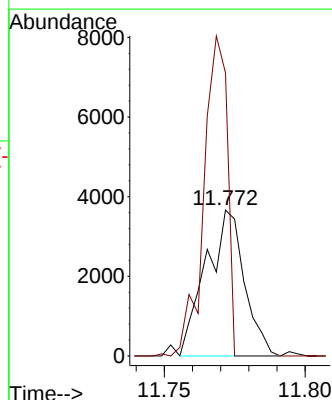
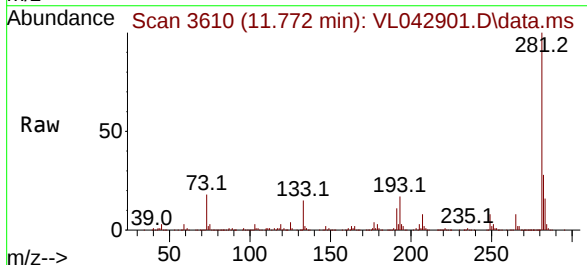
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

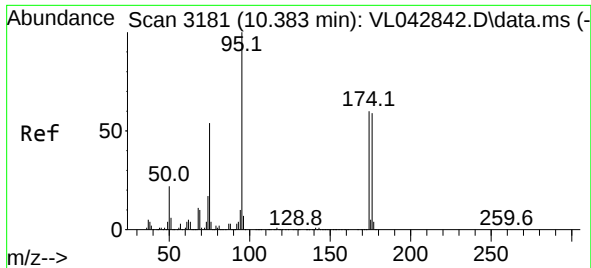
Tgt Ion:117 Resp: 298537
Ion Ratio Lower Upper
117 100
82 68.4 54.6 81.8
119 31.8 25.9 38.9



#67
sec-Butylbenzene
Concen: 0.046 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.013 min
Lab File: VL042901.D
Acq: 08 Sep 2025 11:55

Tgt Ion:105 Resp: 3475
Ion Ratio Lower Upper
105 100
134 134.3 14.9 22.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.169 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: VL042901.D
 Acq: 08 Sep 2025 11:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABL01

Tgt Ion: 95 Resp: 227668
 Ion Ratio Lower Upper
 95 100
 174 55.5 48.4 72.6
 175 3.9 3.8 5.8

