

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042116.D
 Acq On : 10 Mar 2025 09:54
 Operator : SY/MD
 Sample : VL0310ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABL01

Quant Time: Mar 11 01:21:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

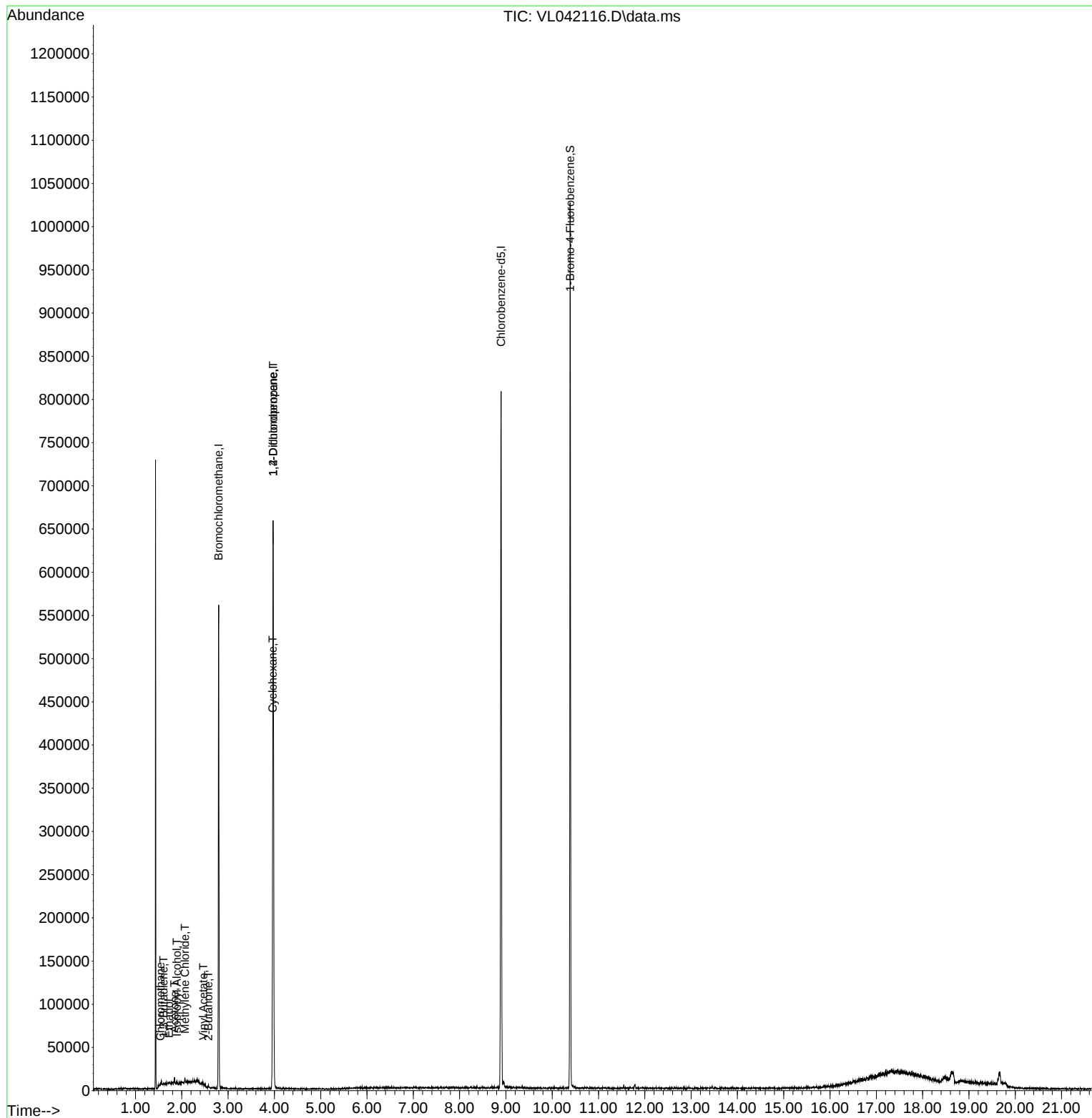
Internal Standards						
1) Bromochloromethane	2.797	49	162394	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	386417	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	325291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	247682	9.897	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
4) Chloromethane	1.534	50	325	0.052	ppbv #	88
13) Ethanol	1.725	45	206	0.337	ppbv #	33
15) Acetone	1.842	43	3026	0.211	ppbv	97
16) 1,3-Butadiene	1.606	39	425	0.064	ppbv #	12
19) Isopropyl Alcohol	1.894	45	804	0.098	ppbv #	32
20) Methylene Chloride	2.068	84	978	0.180	ppbv #	82
23) Vinyl Acetate	2.467	43	467	0.046	ppbv #	77
30) Cyclohexane	3.962	84	1311	0.070	ppbv #	1
34) 2-Butanone	2.573	43	1184	0.039	ppbv #	89
39) 1,2-Dichloropropane	3.972	63	98346	6.405	ppbv #	23

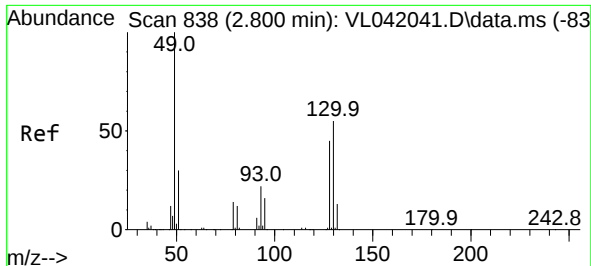
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 11 01:21:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

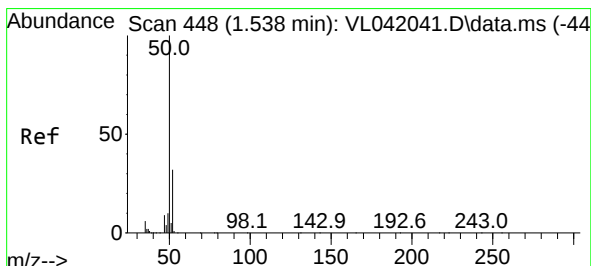
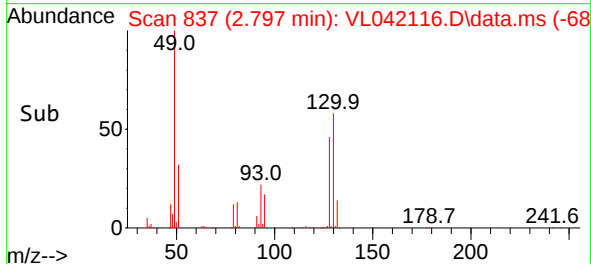
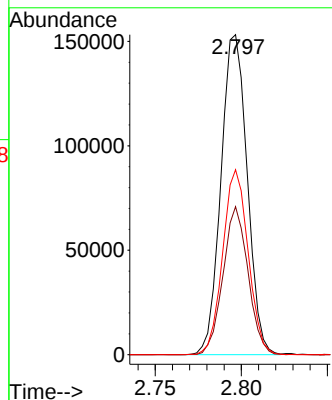
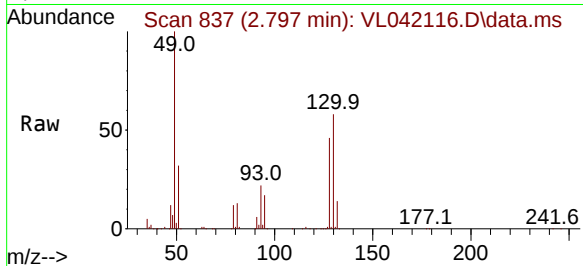




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

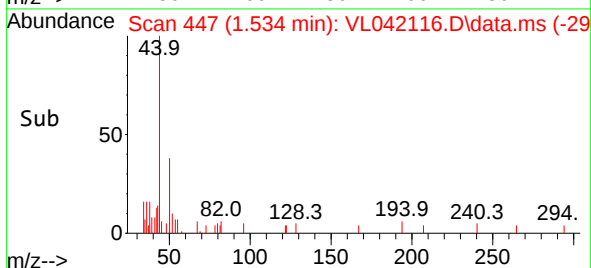
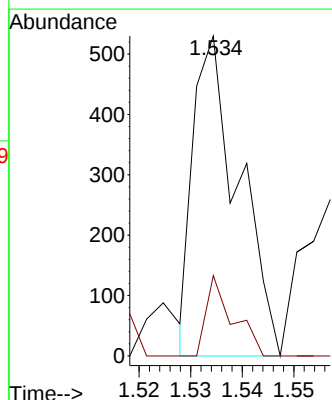
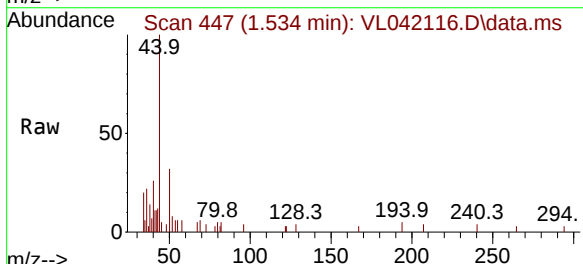
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABL01

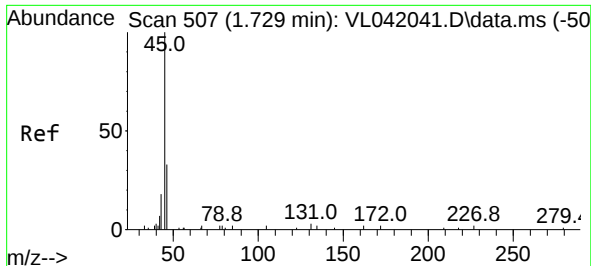
Tgt Ion: 49 Resp: 162394
Ion Ratio Lower Upper
49 100
128 44.2 21.6 64.8
130 56.2 27.8 83.4



#4
Chloromethane
Concen: 0.052 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 25.1 25.4 38.0#

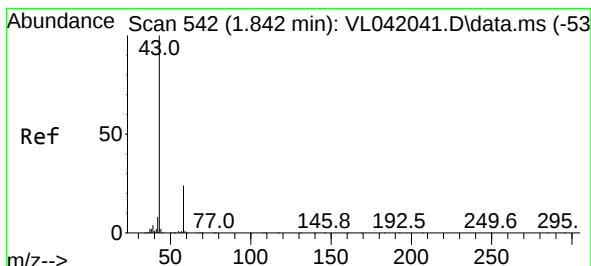
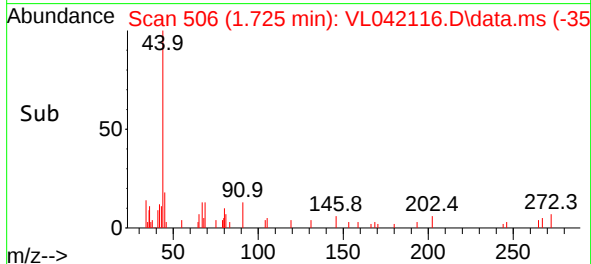
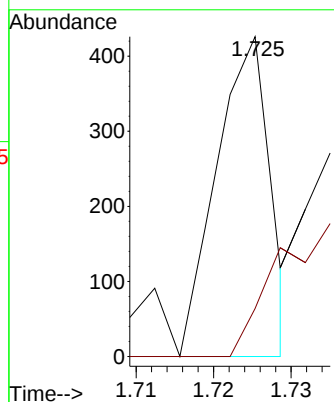
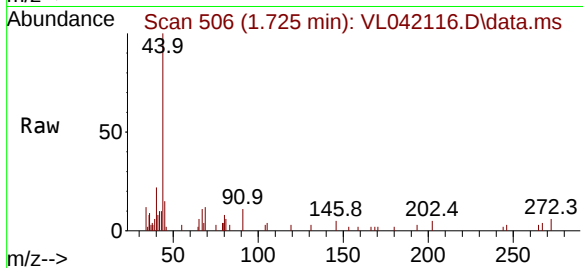




#13
Ethanol
Concen: 0.337 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

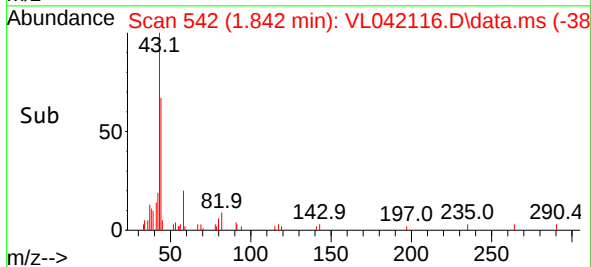
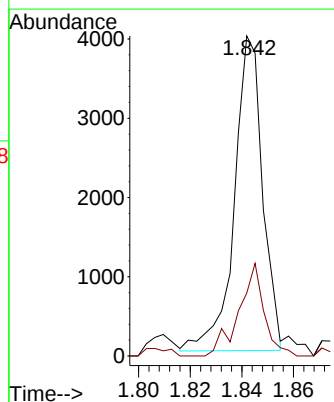
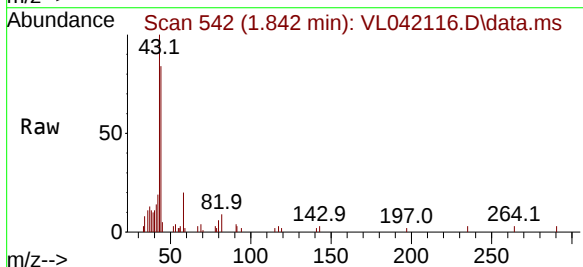
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABL01

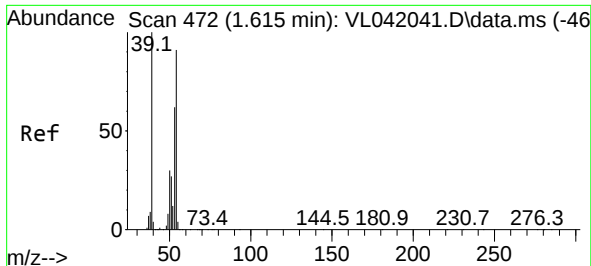
Tgt Ion: 45 Resp: 206
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.211 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
58 27.2 20.7 31.1

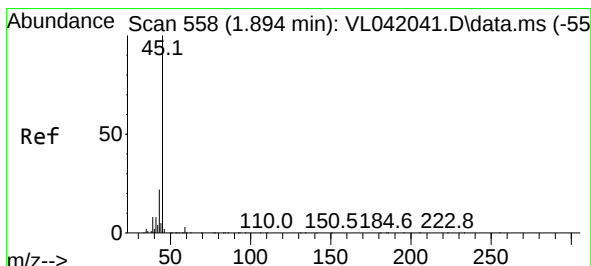
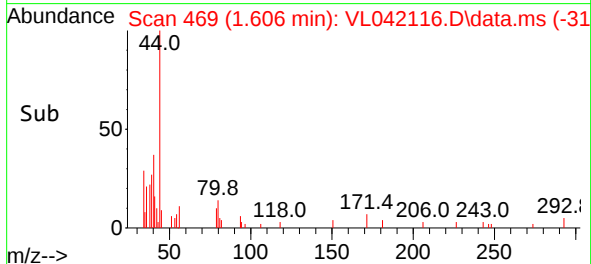
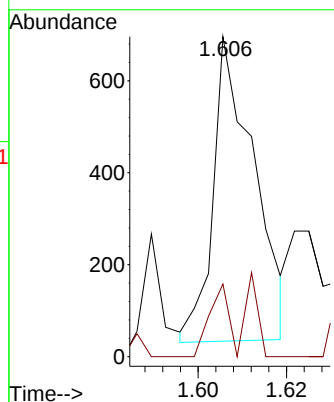
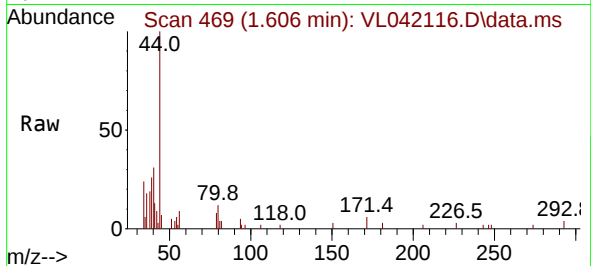




#16
1,3-Butadiene
Concen: 0.064 ppbv
RT: 1.606 min Scan# 416
Delta R.T. -0.010 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

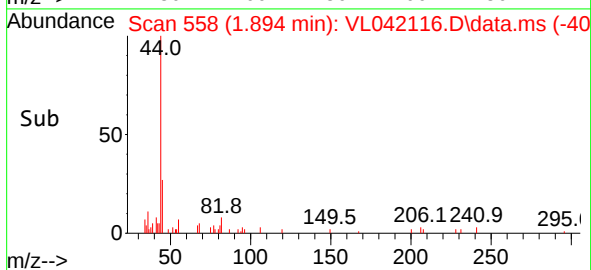
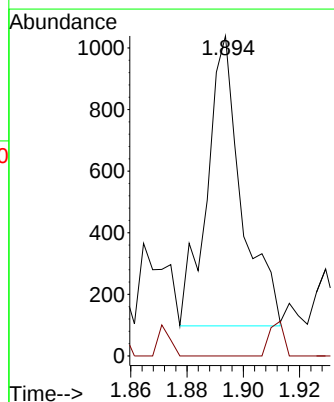
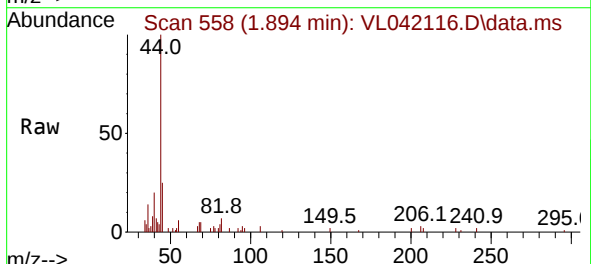
Instrument :
MSVOA_L
ClientSampleId :
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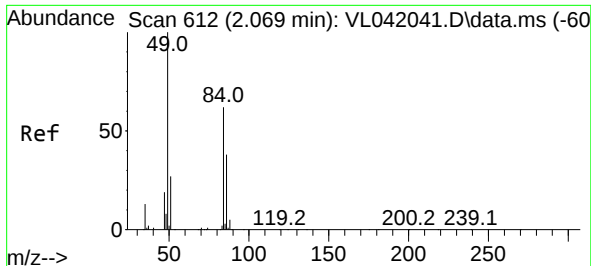
Tgt Ion: 39 Resp: 425
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 0.098 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 45 Resp: 804
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#

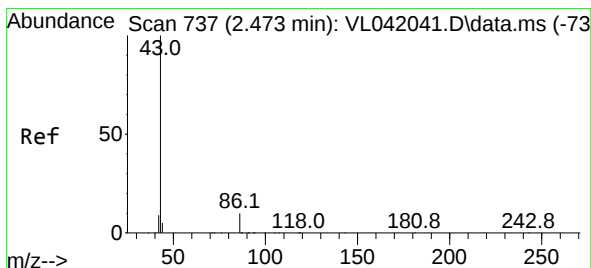
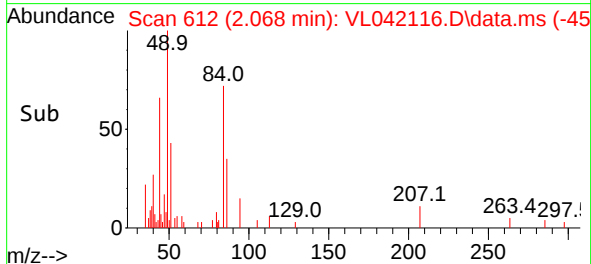
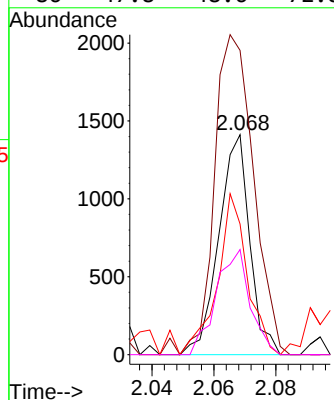
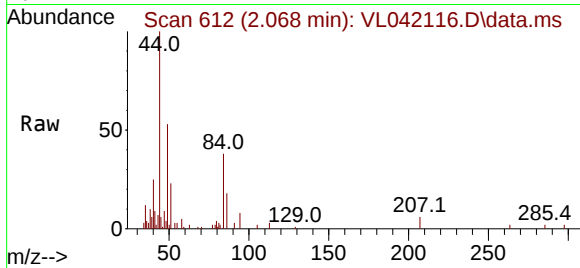




#20
Methylene Chloride
Concen: 0.180 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

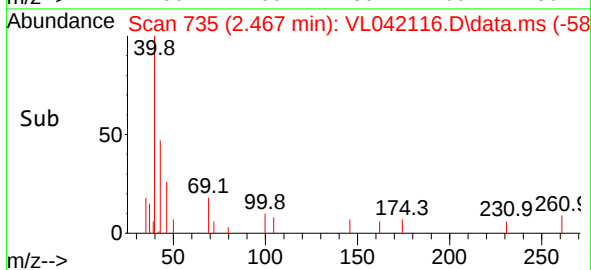
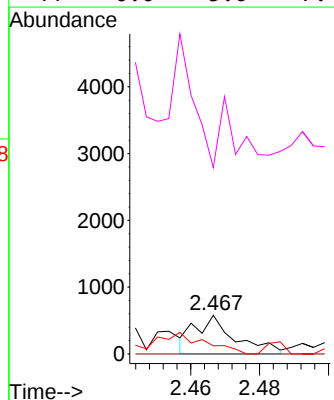
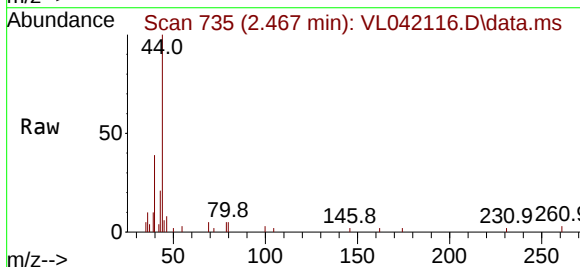
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABL01

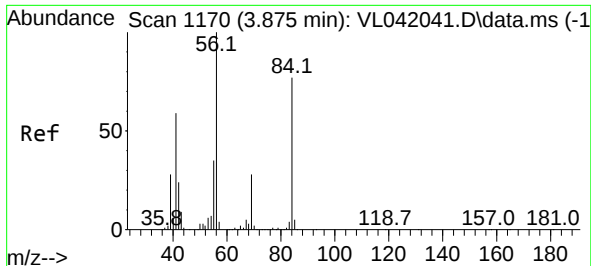
Tgt Ion: 84 Resp: 978
Ion Ratio Lower Upper
84 100
49 138.3 130.0 195.0
51 59.4 37.4 56.0#
86 47.8 48.6 72.8#



#23
Vinyl Acetate
Concen: 0.046 ppbv
RT: 2.467 min Scan# 735
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
86 0.0 7.0 10.4#
42 0.0 7.6 11.4#
44 0.0 5.0 7.4#

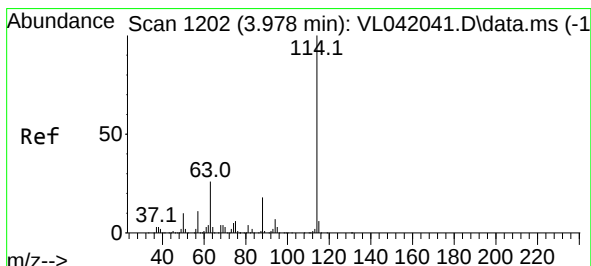
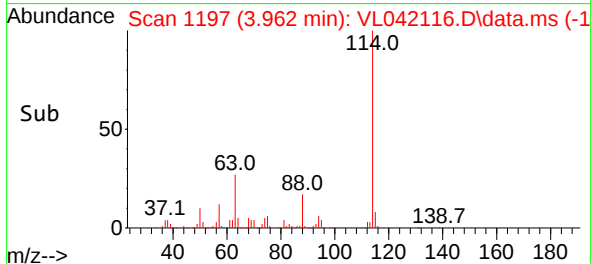
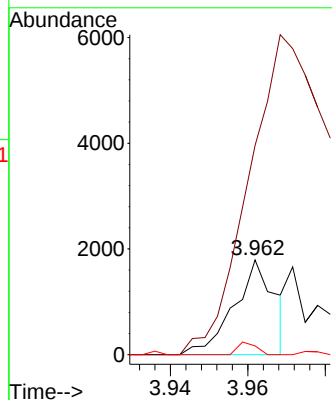
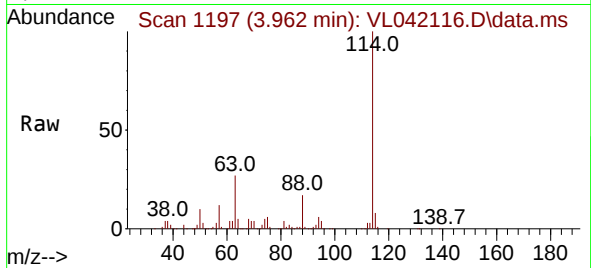




#30
Cyclohexane
Concen: 0.070 ppbv
RT: 3.962 min Scan# 1170
Delta R.T. 0.087 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

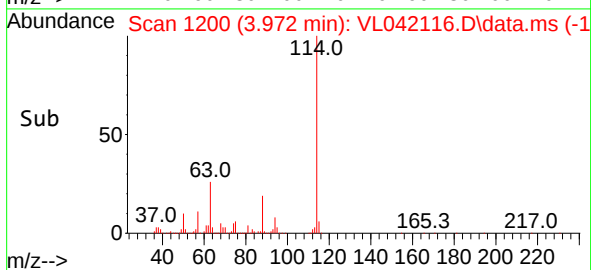
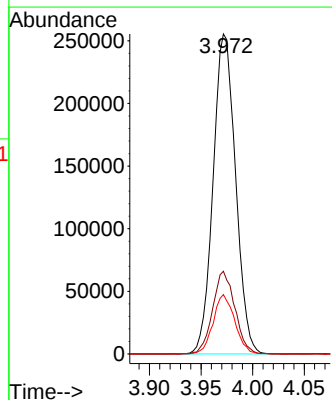
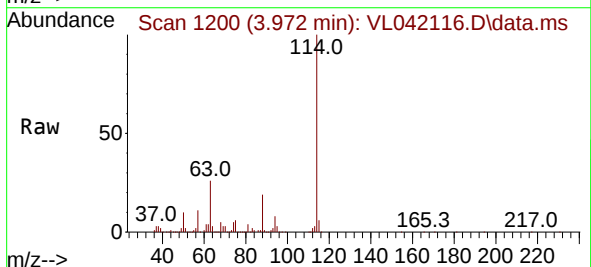
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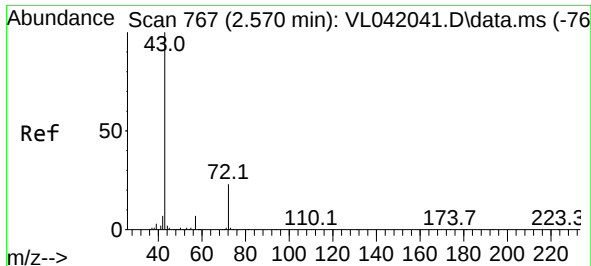
Tgt Ion: 84 Resp: 1311
Ion Ratio Lower Upper
84 100
56 0.0 101.5 152.3#
41 7.7 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 114 Resp: 386417
Ion Ratio Lower Upper
114 100
63 25.6 20.1 30.1
88 17.9 14.3 21.5

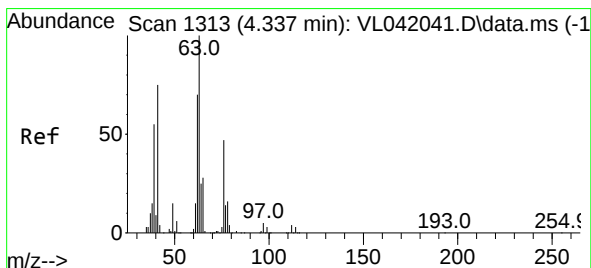
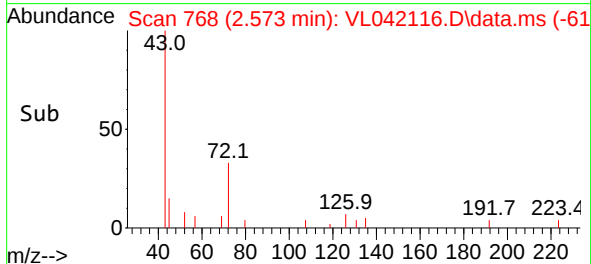
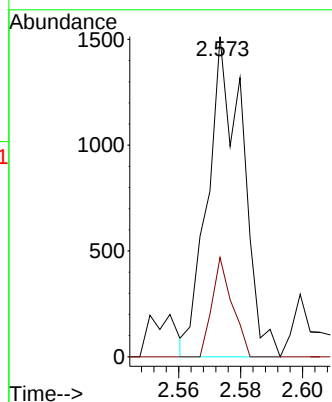
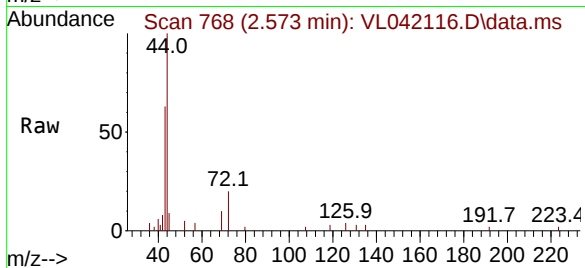




#34
2-Butanone
Concen: 0.039 ppbv
RT: 2.573 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

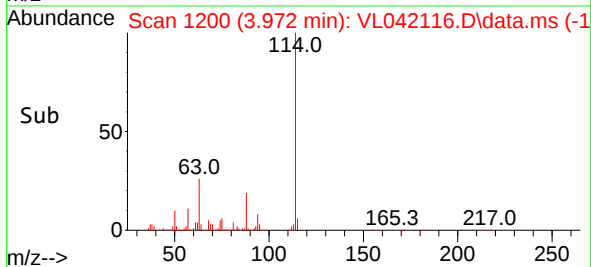
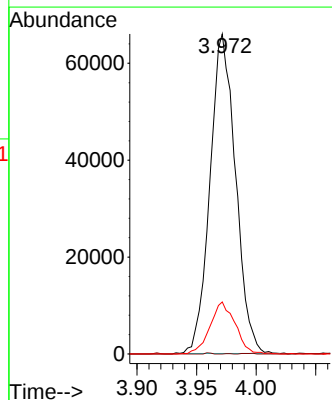
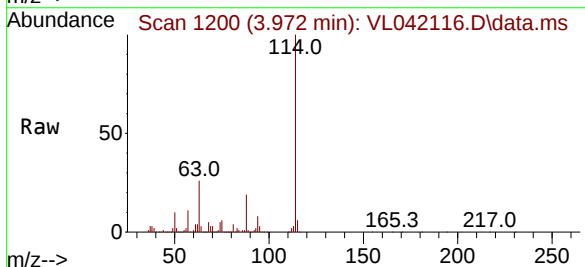
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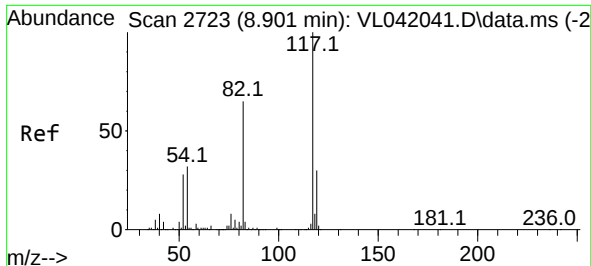
Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
72 17.9 18.5 27.7#



#39
1,2-Dichloropropane
Concen: 6.405 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. -0.366 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 63 Resp: 98346
Ion Ratio Lower Upper
63 100
41 0.0 60.1 90.1#
62 16.3 55.8 83.8#

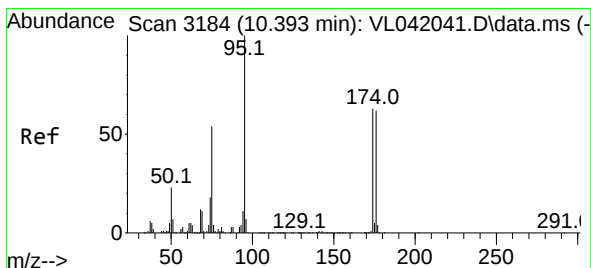
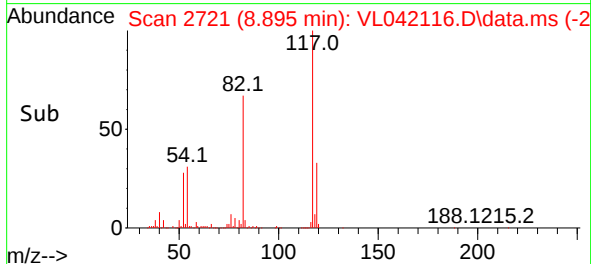
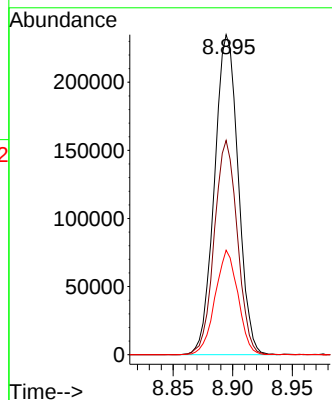
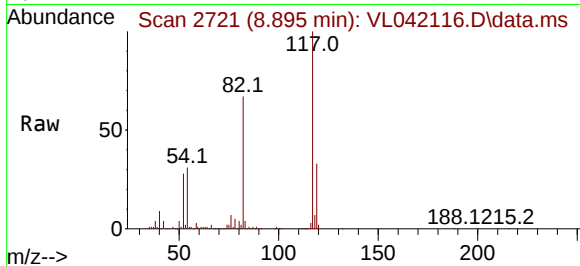




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Instrument :
MSVOA_L
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Tgt Ion:117 Resp: 325291
Ion Ratio Lower Upper
117 100
82 65.1 55.0 82.6
119 31.5 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.897 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. -0.007 min
Lab File: VL042116.D
Acq: 10 Mar 2025 09:54

Tgt Ion: 95 Resp: 247682
Ion Ratio Lower Upper
95 100
174 63.7 51.8 77.6
175 4.6 3.9 5.9

