

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042323.D
 Acq On : 11 Apr 2025 16:39
 Operator : SY/MD
 Sample : Q1665-10DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-4-3242025DL

Quant Time: Apr 11 23:02:43 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)

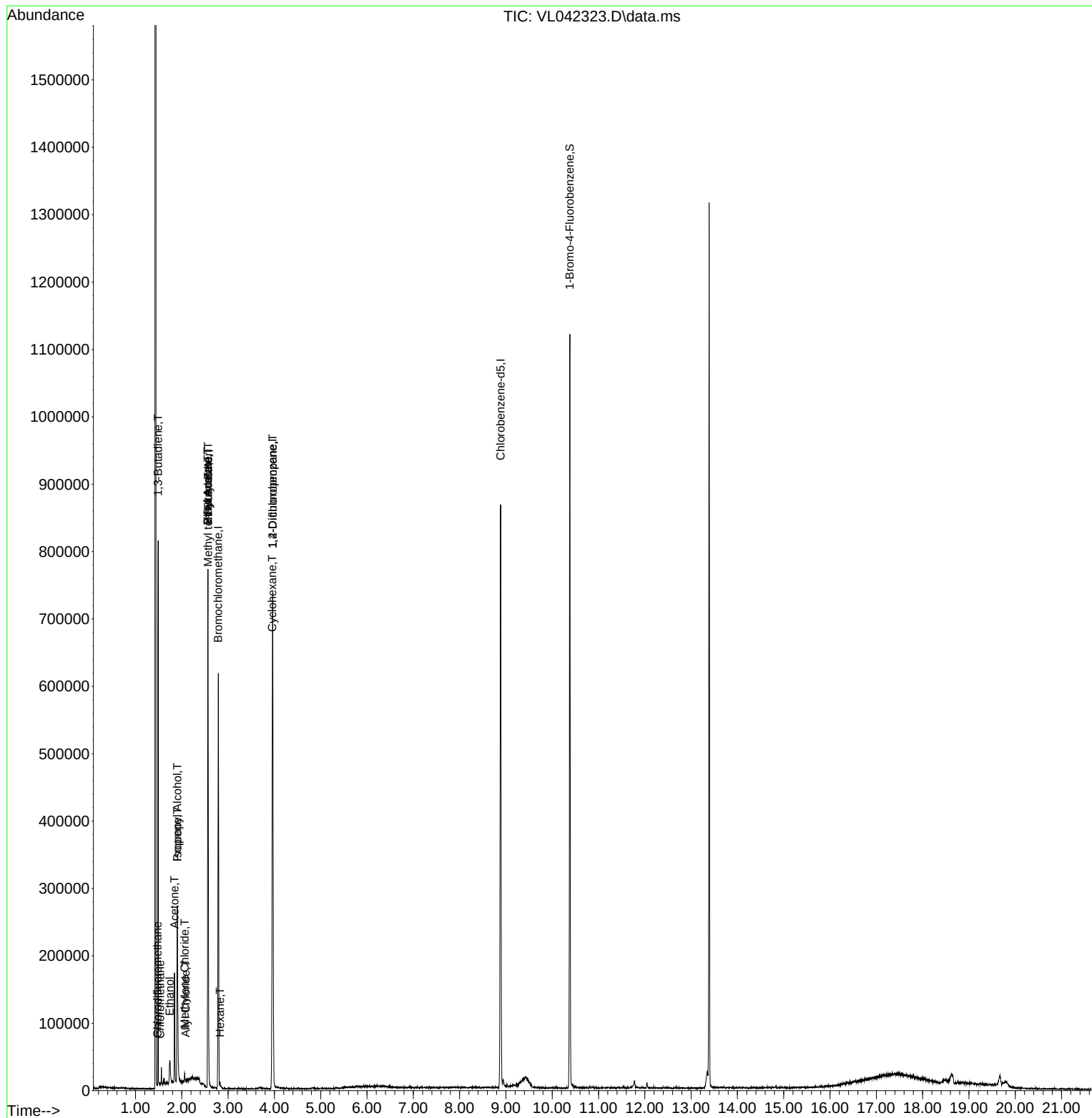
Internal Standards						
1) Bromochloromethane	2.787	49	173105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	400666	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	338211	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	253785	9.137	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	950	0.036	ppbv #	58
4) Chloromethane	1.531	50	389	0.037	ppbv	89
9) Propene	1.900	41	20921	1.748	ppbv	96
13) Ethanol	1.742	45	31113	27.501	ppbv	85
15) Acetone	1.842	43	84634	3.496	ppbv	95
16) 1,3-Butadiene	1.489	39	85279	7.213	ppbv #	12
19) Isopropyl Alcohol	1.900	45	207505	15.191	ppbv #	34
20) Methylene Chloride	2.062	84	1746	0.194	ppbv #	71
21) Allyl Chloride	2.081	41	584	0.034	ppbv #	21
23) Vinyl Acetate	2.564	43	510012	48.674	ppbv #	87
25) Ethyl Acetate	2.564	43	510012	8.117	ppbv #	76
26) Hexane	2.826	57	1035	0.043	ppbv #	1
28) Methyl tert-Butyl Ether	2.567	73	4917	0.325	ppbv #	1
30) Cyclohexane	3.955	84	3209	0.152	ppbv #	1
34) 2-Butanone	2.564	43	510012	17.554	ppbv	98
39) 1,2-Dichloropropane	3.962	63	103631	7.164	ppbv #	23

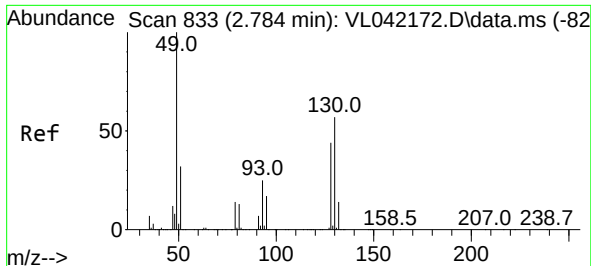
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
Data File : VL042323.D
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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IA-B10-4-3242025DL

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QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

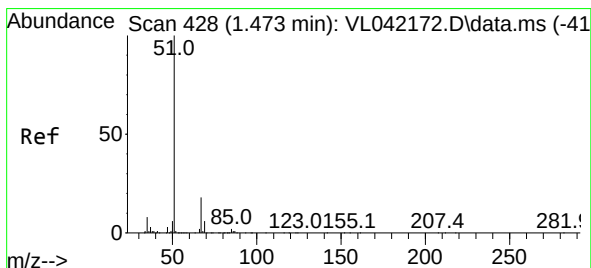
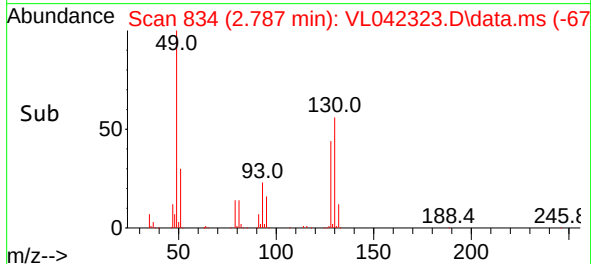
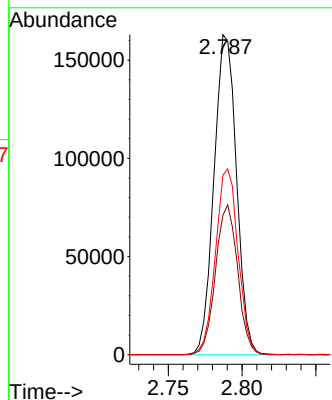
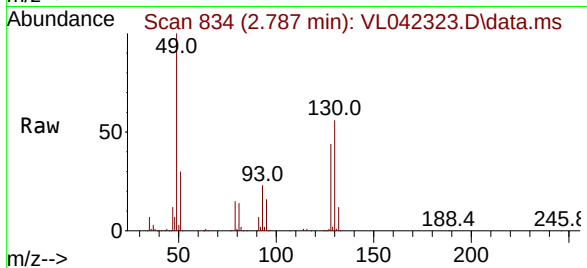




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

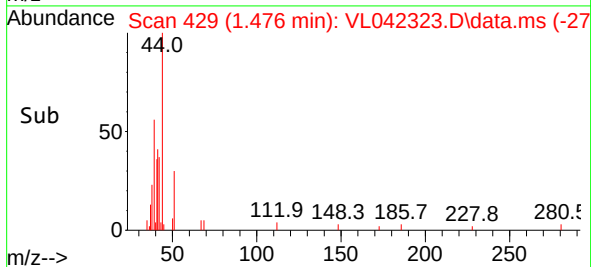
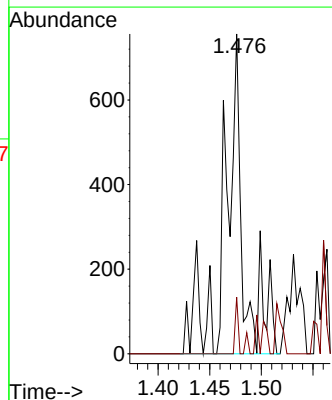
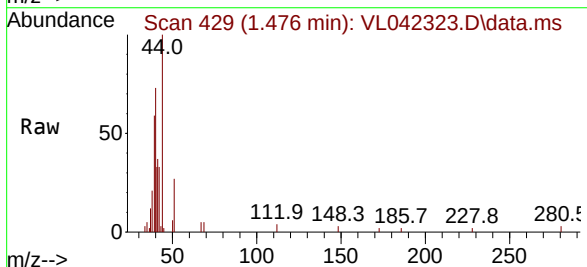
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL

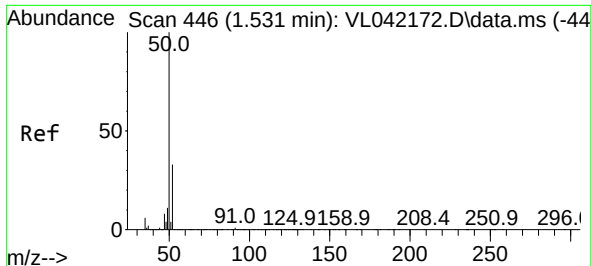
Tgt Ion: 49 Resp: 173105
Ion Ratio Lower Upper
49 100
128 46.0 22.9 68.5
130 58.2 28.8 86.4



#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.003 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 51 Resp: 950
Ion Ratio Lower Upper
51 100
67 0.0 15.0 22.6#

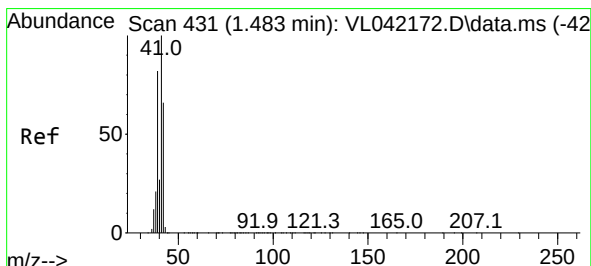
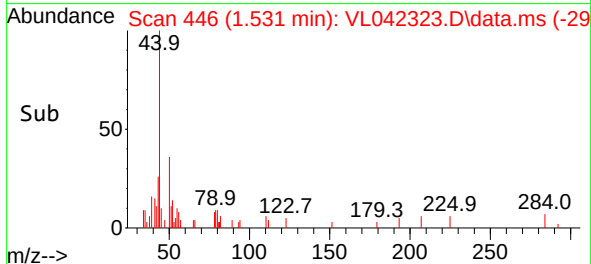
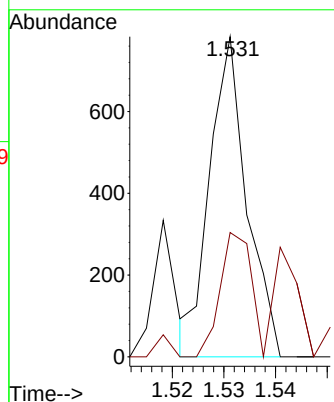
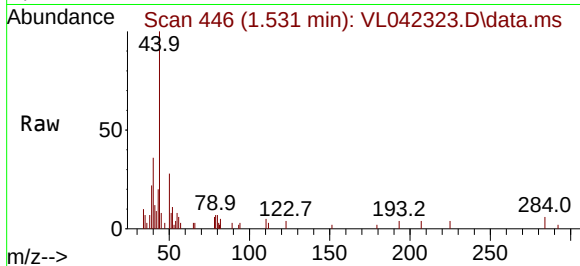




#4
Chloromethane
Concen: 0.037 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

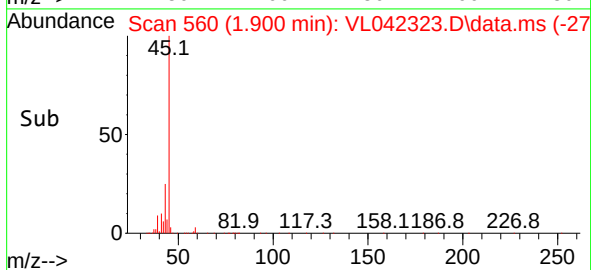
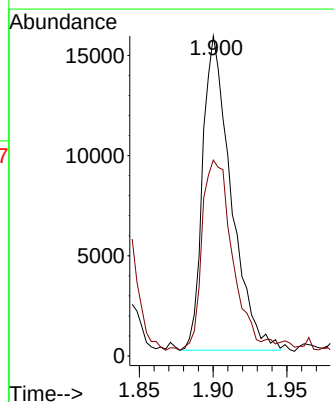
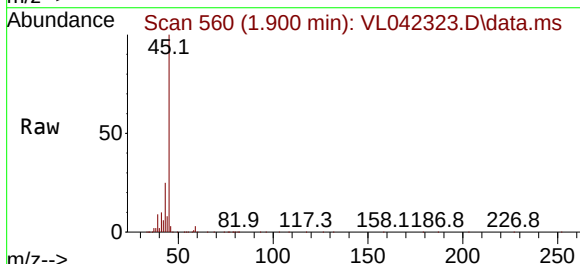
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL

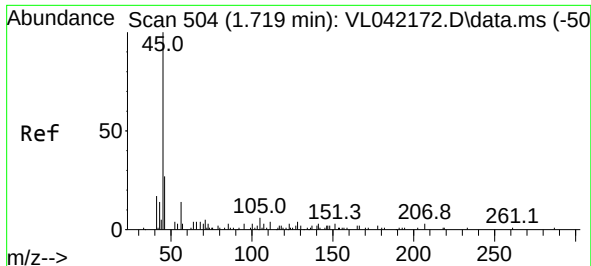
Tgt Ion: 50 Resp: 389
Ion Ratio Lower Upper
50 100
52 38.8 26.1 39.1



#9
Propene
Concen: 1.748 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.417 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 41 Resp: 20921
Ion Ratio Lower Upper
41 100
42 65.9 55.4 83.2

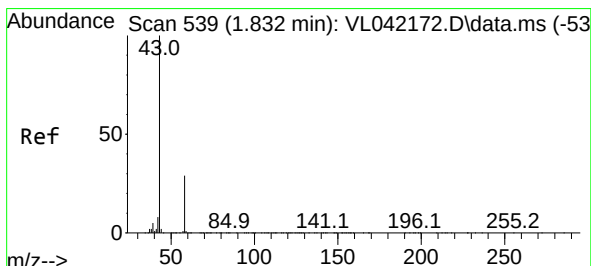
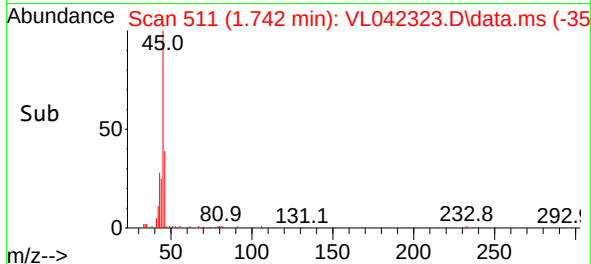
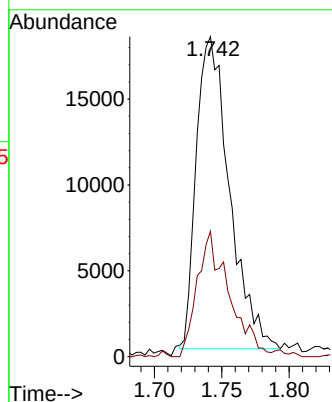
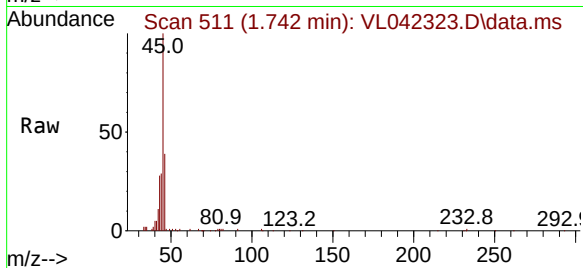




#13
 Ethanol
 Concen: 27.501 ppbv
 RT: 1.742 min Scan# 511
 Delta R.T. 0.022 min
 Lab File: VL042323.D
 Acq: 11 Apr 2025 16:39

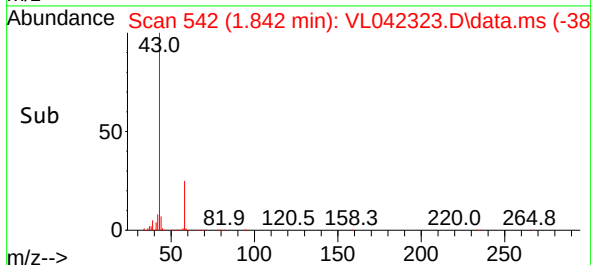
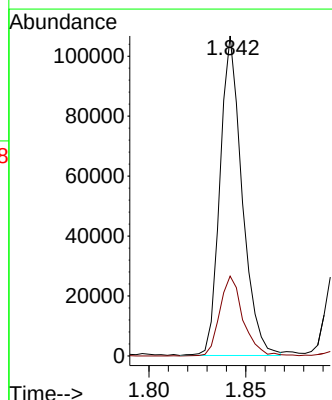
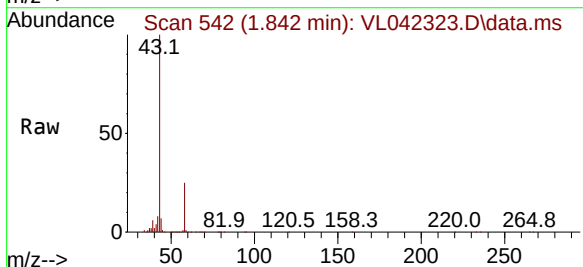
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B10-4-3242025DL

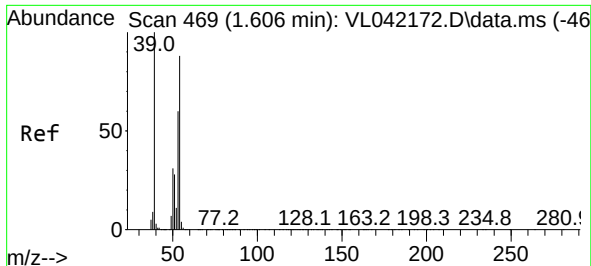
Tgt Ion: 45 Resp: 31113
 Ion Ratio Lower Upper
 45 100
 46 40.0 20.2 80.8



#15
 Acetone
 Concen: 3.496 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. 0.010 min
 Lab File: VL042323.D
 Acq: 11 Apr 2025 16:39

Tgt Ion: 43 Resp: 84634
 Ion Ratio Lower Upper
 43 100
 58 26.3 23.2 34.8

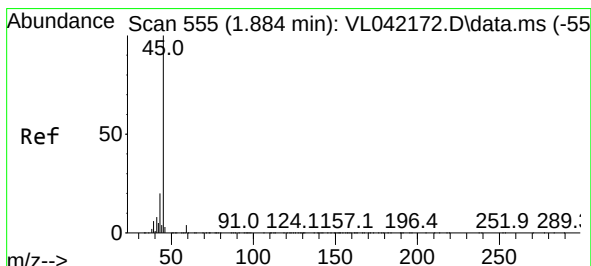
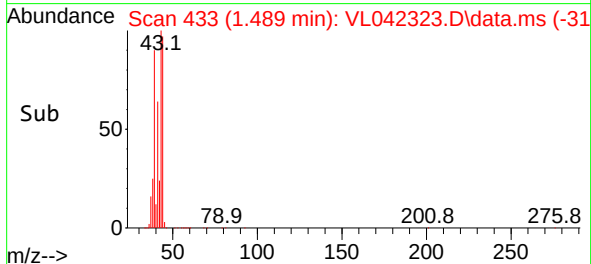
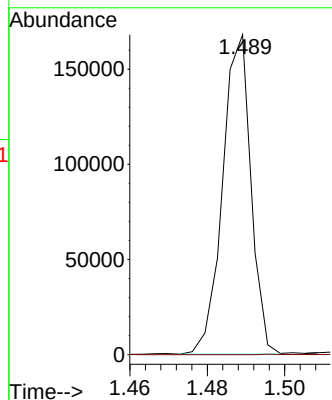
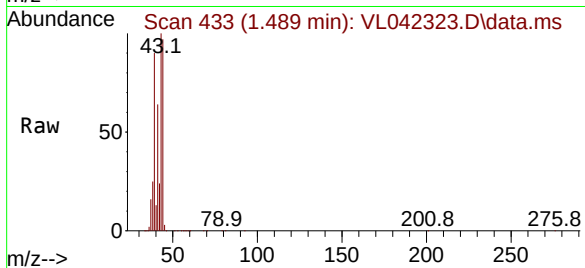




#16
1,3-Butadiene
Concen: 7.213 ppbv
RT: 1.489 min Scan# 41
Delta R.T. -0.117 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

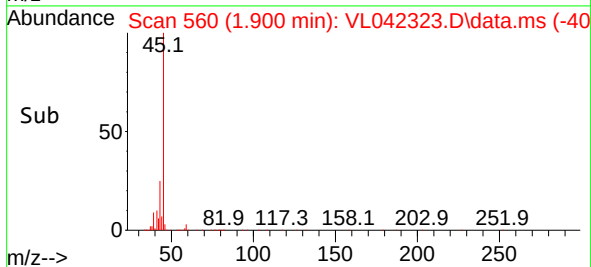
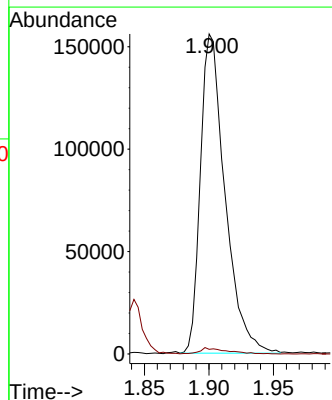
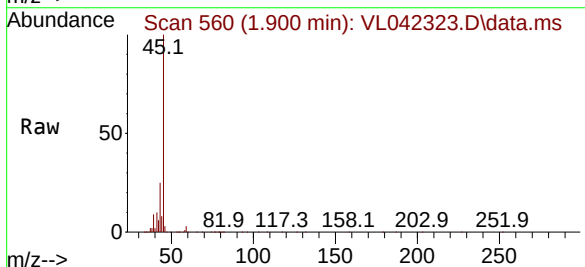
Instrument :
MSVOA_L
ClientSampleId :
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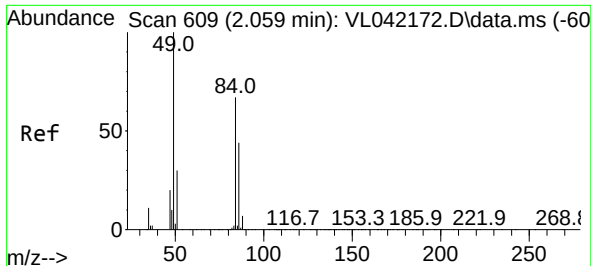
Tgt Ion: 39 Resp: 85279
Ion Ratio Lower Upper
39 100
54 0.2 60.7 91.1#



#19
Isopropyl Alcohol
Concen: 15.191 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.016 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 45 Resp: 207505
Ion Ratio Lower Upper
45 100
58 2.1 36.9 55.3#

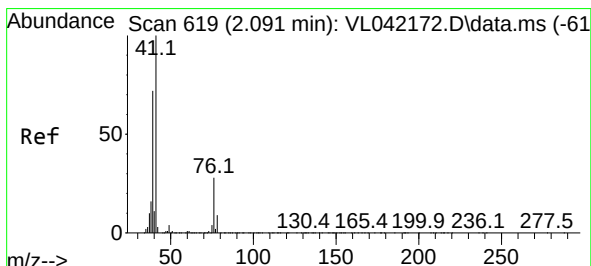
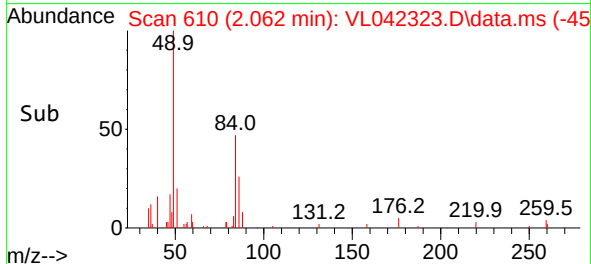
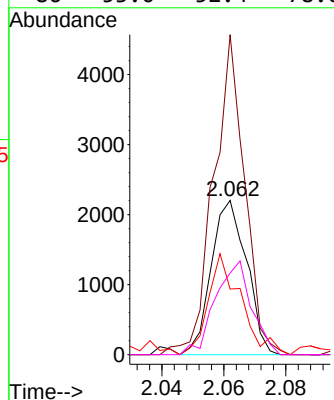
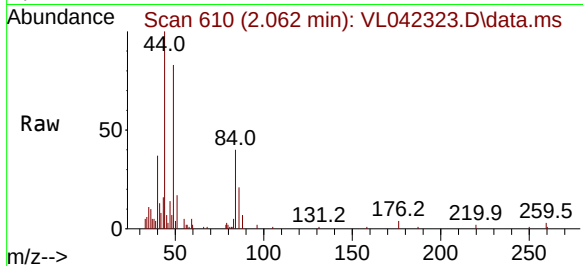




#20
Methylene Chloride
Concen: 0.194 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

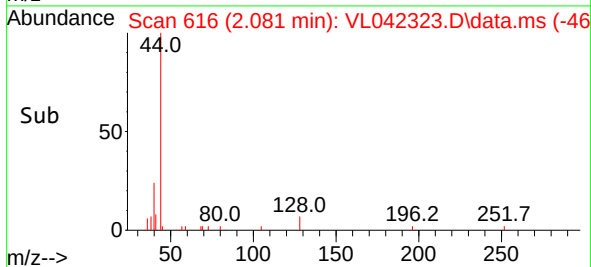
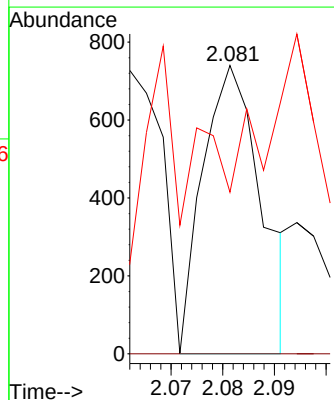
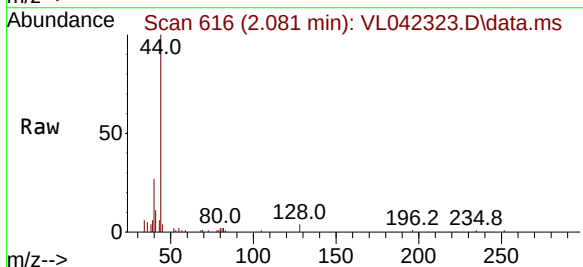
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ClientSampleId :
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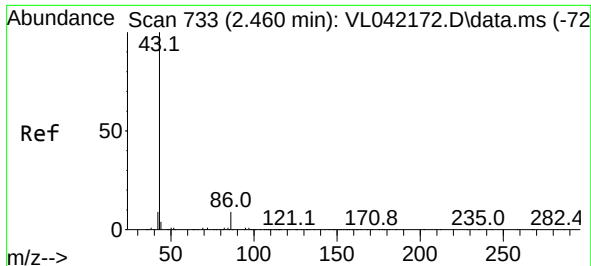
Tgt Ion:	84	Resp:	1746
Ion	Ratio	Lower	Upper
84	100		
49	202.1	120.2	180.4#
51	40.0	37.4	56.0
86	53.0	52.4	78.6



#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 2.081 min Scan# 616
Delta R.T. -0.010 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion:	41	Resp:	584
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.1	36.1#
39	0.0	61.1	91.7#

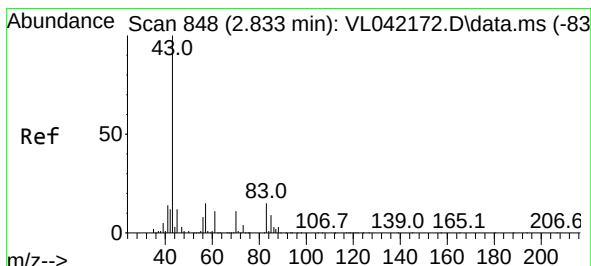
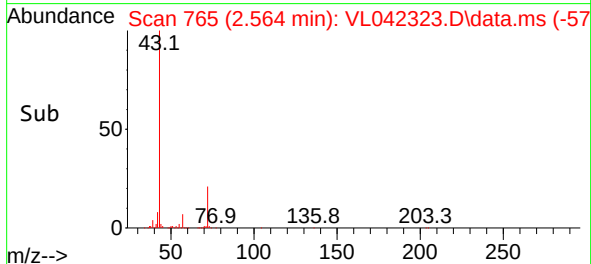
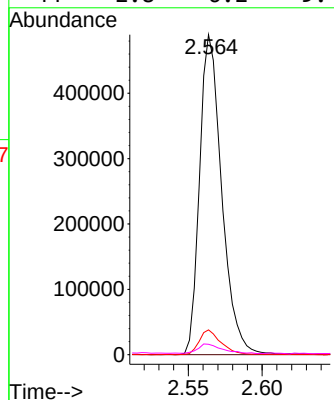
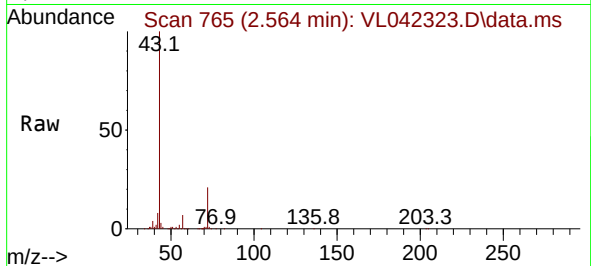




#23
Vinyl Acetate
Concen: 48.674 ppbv
RT: 2.564 min Scan# 704
Delta R.T. 0.103 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

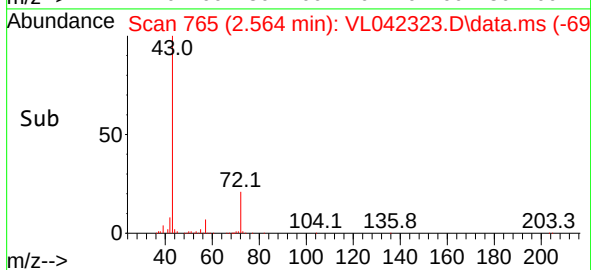
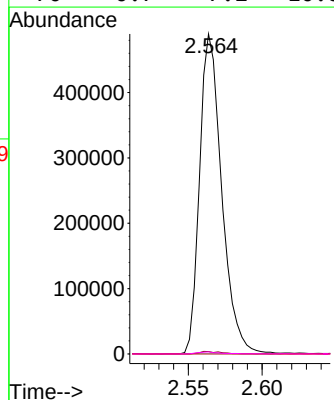
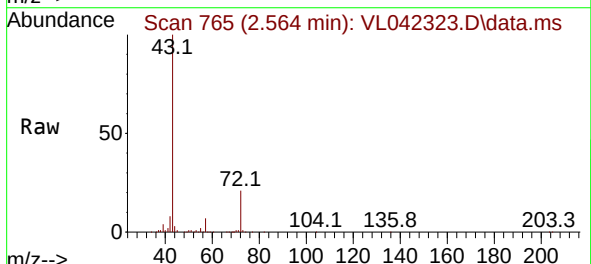
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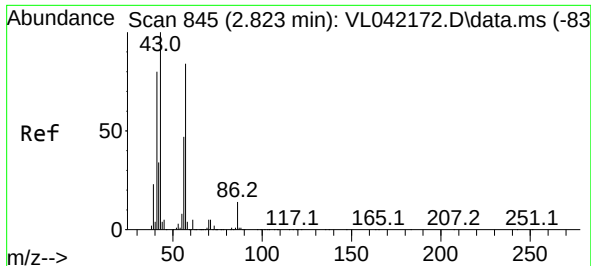
Tgt Ion: 43 Resp: 510012
Ion Ratio Lower Upper
43 100
86 0.0 5.5 8.3#
42 7.7 8.6 13.0#
44 2.8 6.2 9.4#



#25
Ethyl Acetate
Concen: 8.117 ppbv
RT: 2.564 min Scan# 765
Delta R.T. -0.269 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 43 Resp: 510012
Ion Ratio Lower Upper
43 100
45 0.8 8.2 12.2#
61 0.0 7.3 10.9#
70 0.7 7.2 10.8#

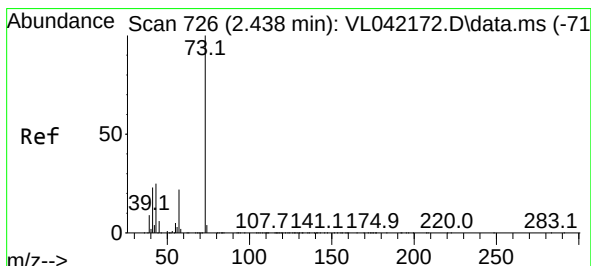
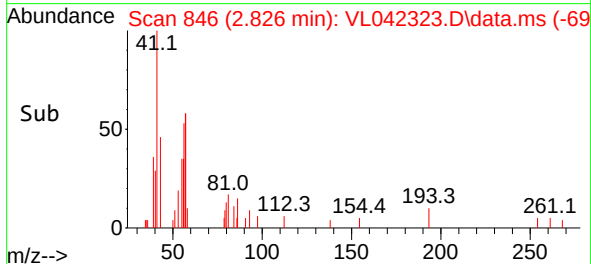
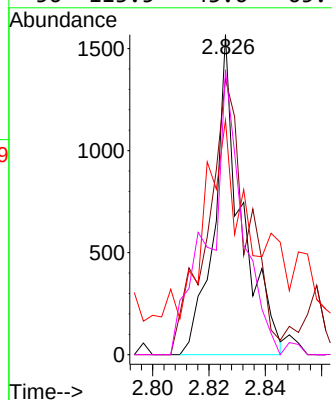
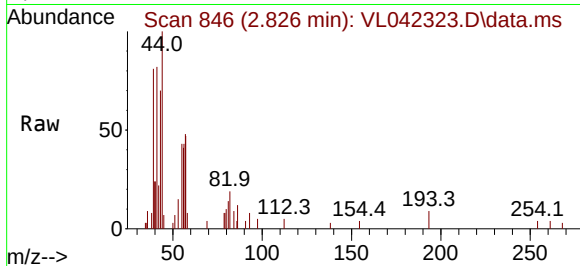




#26
Hexane
Concen: 0.043 ppbv
RT: 2.826 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

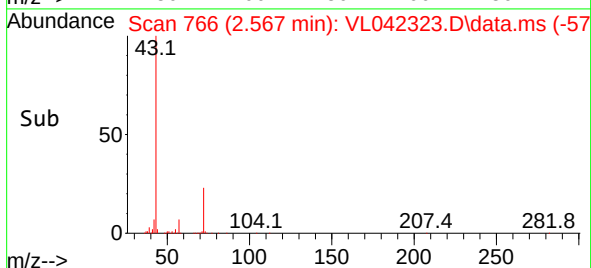
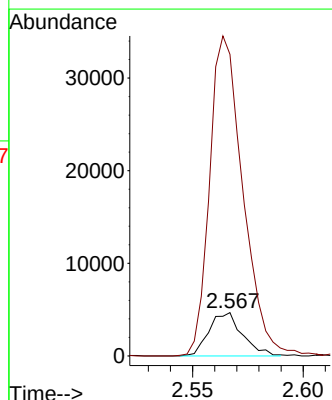
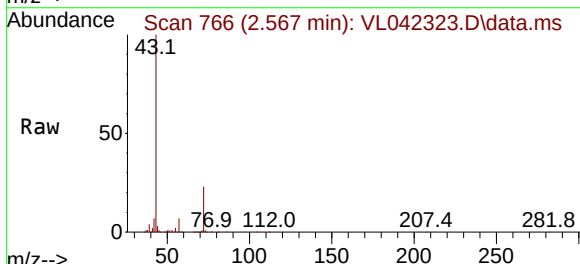
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL

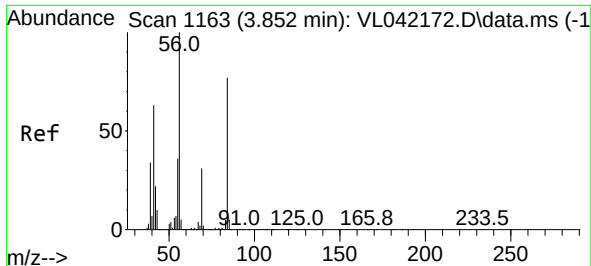
Tgt Ion: 57 Resp: 1035
Ion Ratio Lower Upper
57 100
41 146.8 76.6 114.8#
43 0.0 207.8 311.8#
56 113.5 43.6 65.4#



#28
Methyl tert-Butyl Ether
Concen: 0.325 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.129 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 73 Resp: 4917
Ion Ratio Lower Upper
73 100
57 746.1 20.5 30.7#

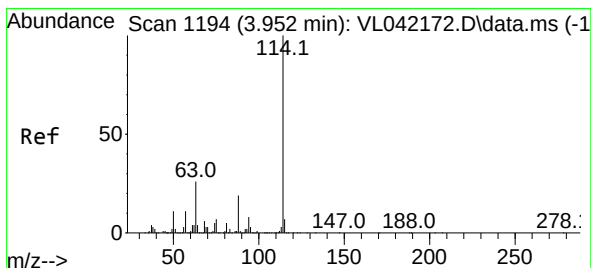
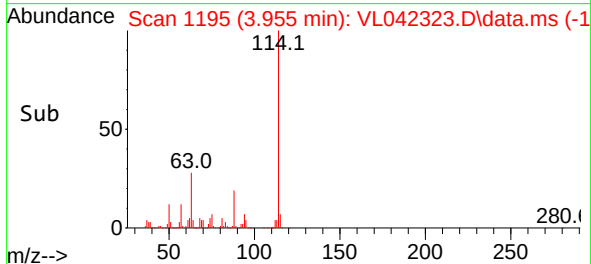
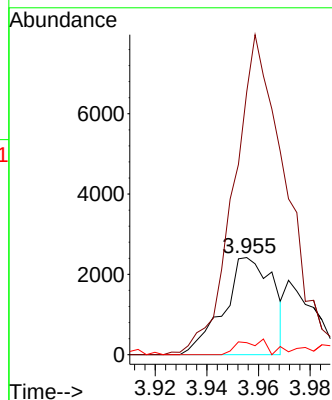
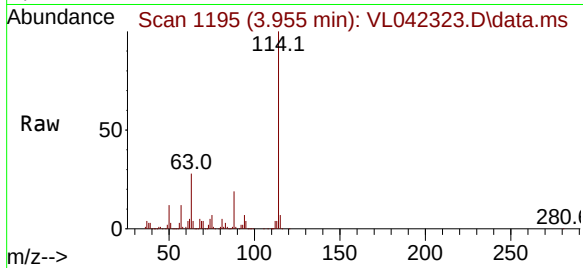




#30
Cyclohexane
Concen: 0.152 ppbv
RT: 3.955 min Scan# 1163
Delta R.T. 0.103 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

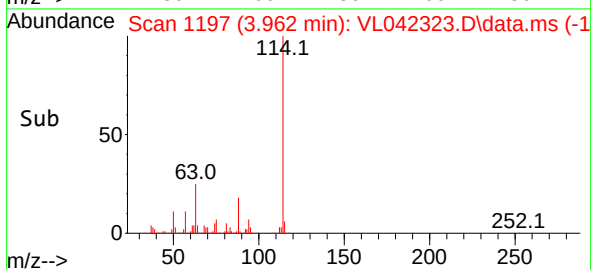
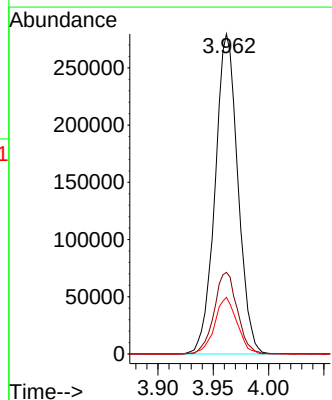
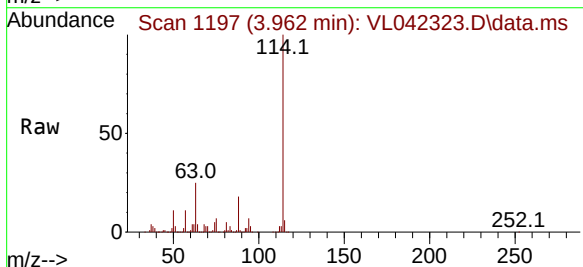
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL

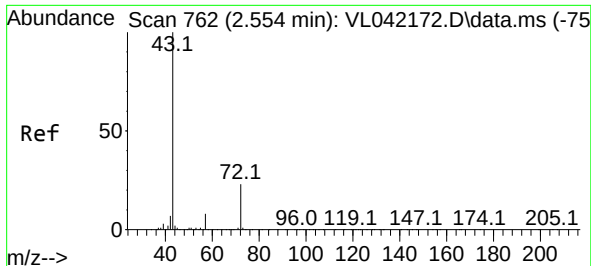
Tgt Ion: 84 Resp: 3209
Ion Ratio Lower Upper
84 100
56 356.4 102.8 154.2#
41 16.9 66.5 99.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 114 Resp: 400666
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 17.4 15.0 22.4

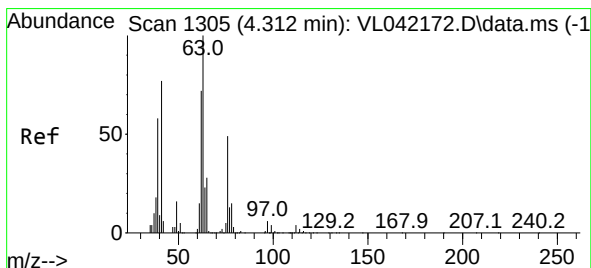
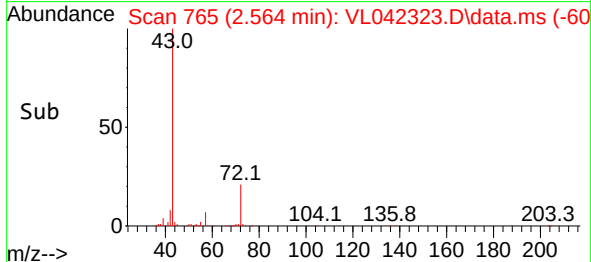
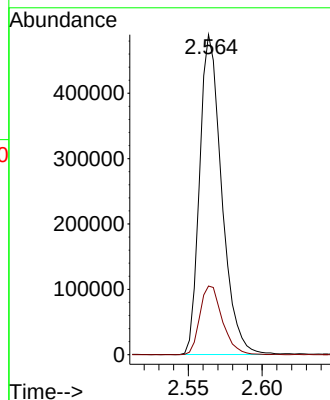
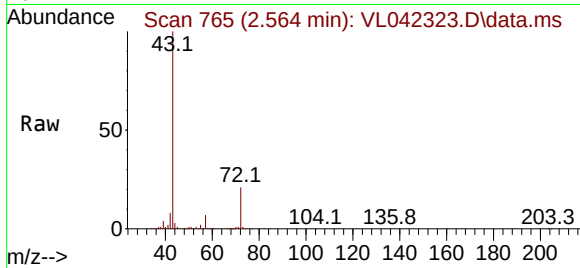




#34
2-Butanone
Concen: 17.554 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

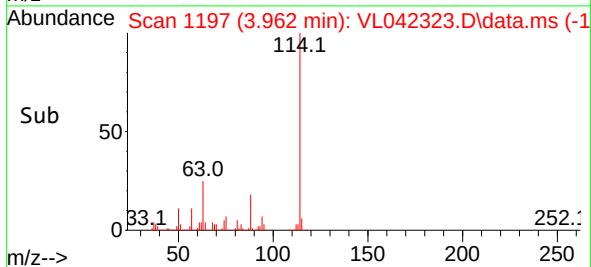
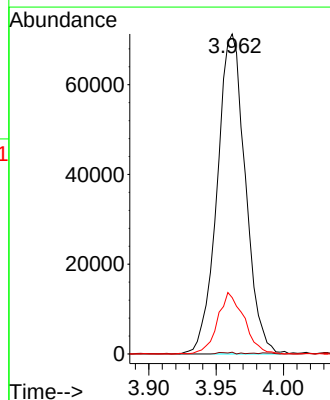
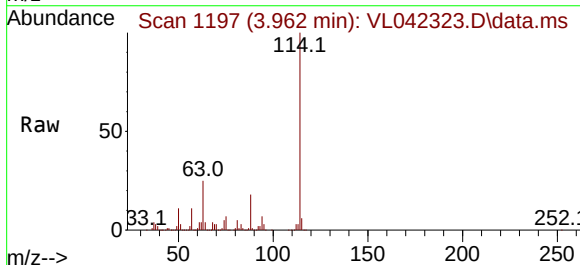
Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL

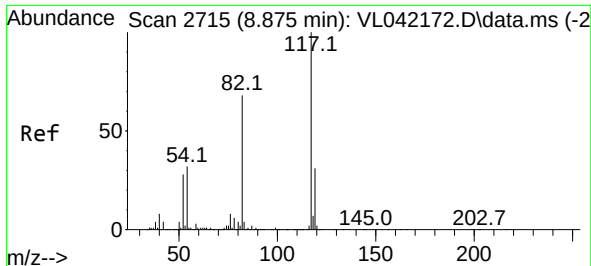
Tgt Ion: 43 Resp: 510012
Ion Ratio Lower Upper
43 100
72 21.9 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.164 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.350 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 63 Resp: 103631
Ion Ratio Lower Upper
63 100
41 0.5 61.7 92.5#
62 17.4 57.6 86.4#

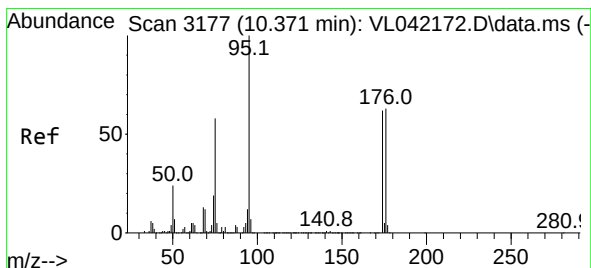
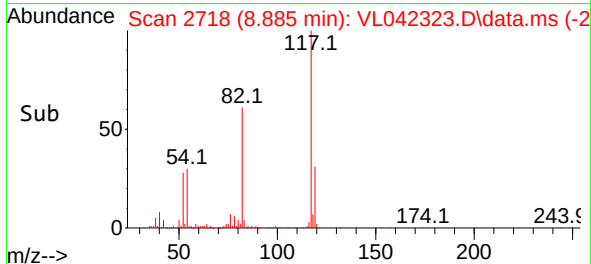
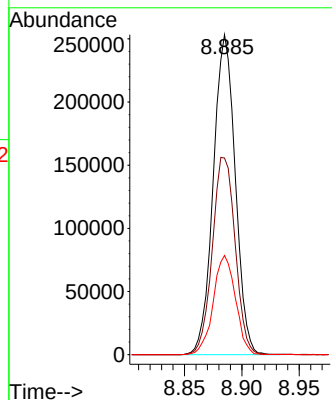
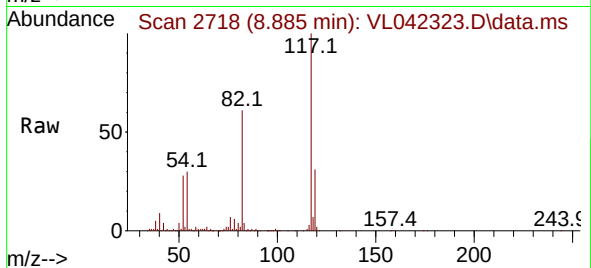




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Instrument :
MSVOA_L
ClientSampleId :
IA-B10-4-3242025DL

Tgt Ion:117 Resp: 338211
Ion Ratio Lower Upper
117 100
82 64.2 55.8 83.6
119 31.4 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.137 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042323.D
Acq: 11 Apr 2025 16:39

Tgt Ion: 95 Resp: 253785
Ion Ratio Lower Upper
95 100
174 64.4 50.6 76.0
175 4.7 3.8 5.6

