

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042306.D
 Acq On : 10 Apr 2025 13:49
 Operator : SY/MD
 Sample : QC040925 CAN 10604
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040925 CAN 10604

Quant Time: Apr 11 01:58:28 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)

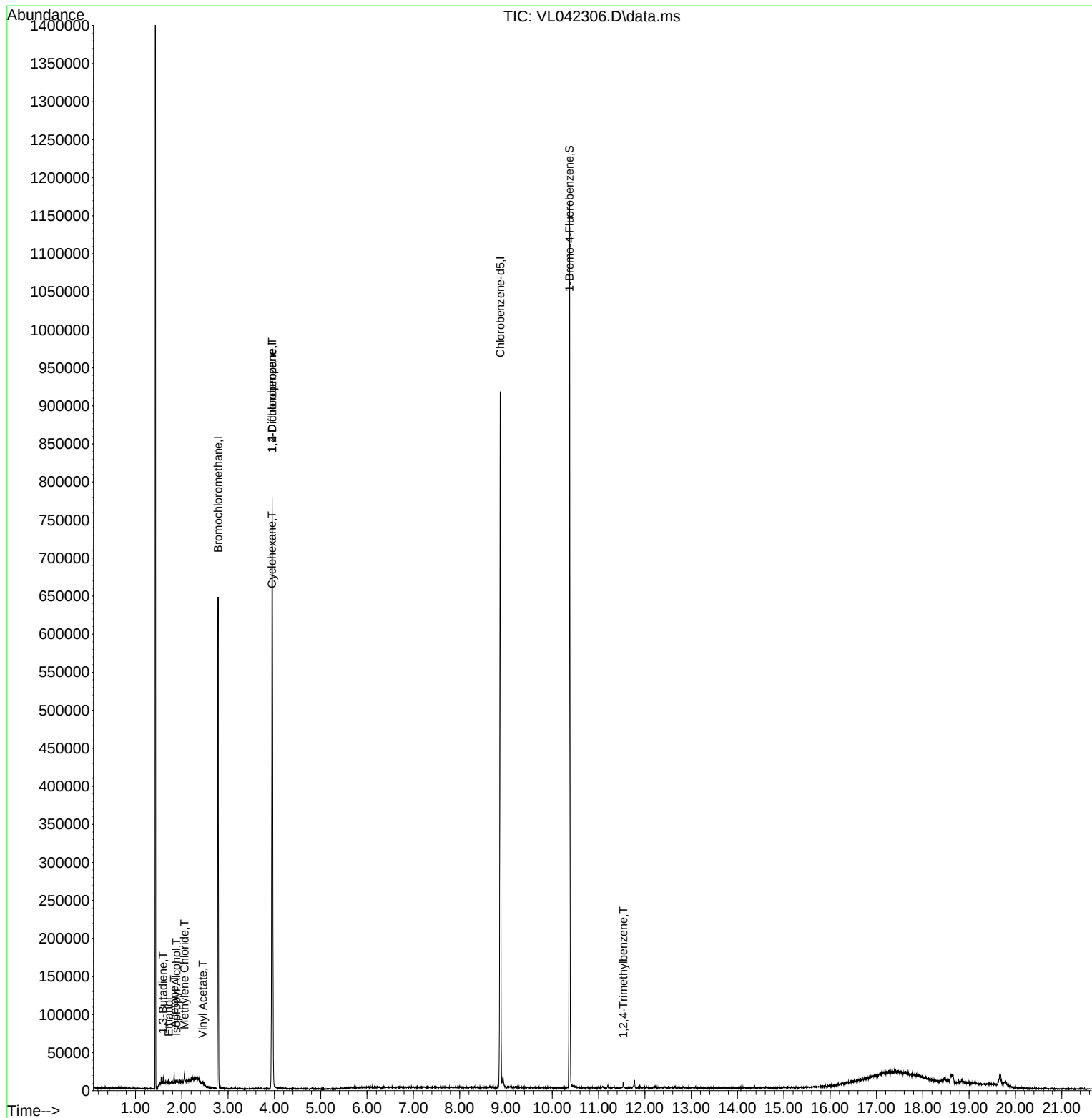
Internal Standards						
1) Bromochloromethane	2.784	49	174918	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427099	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	358403	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	271459	9.223	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	1461	1.278	ppbv	90
15) Acetone	1.836	43	5572	0.228	ppbv #	88
16) 1,3-Butadiene	1.596	39	1061	0.089	ppbv #	25
19) Isopropyl Alcohol	1.884	45	1137	0.082	ppbv #	1
20) Methylene Chloride	2.059	84	1790	0.196	ppbv	94
23) Vinyl Acetate	2.454	43	839	0.079	ppbv #	19
30) Cyclohexane	3.946	84	1639	0.077	ppbv #	1
39) 1,2-Dichloropropane	3.952	63	110139	7.143	ppbv #	22
74) 1,2,4-Trimethylbenzene	11.533	105	2261	0.035	ppbv #	74

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

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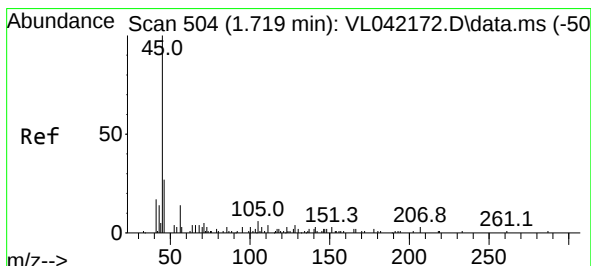
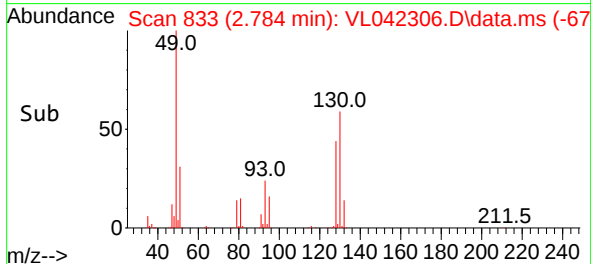
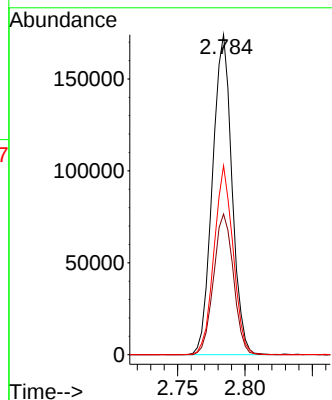
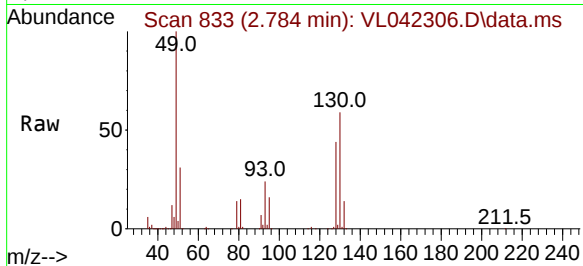




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

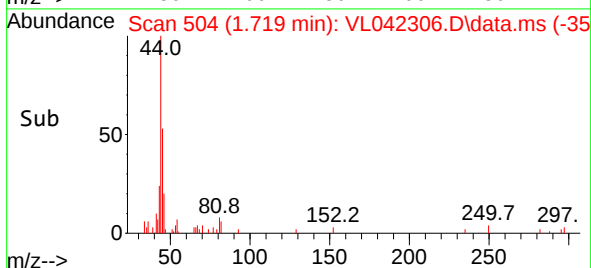
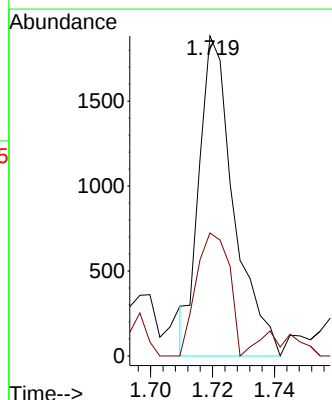
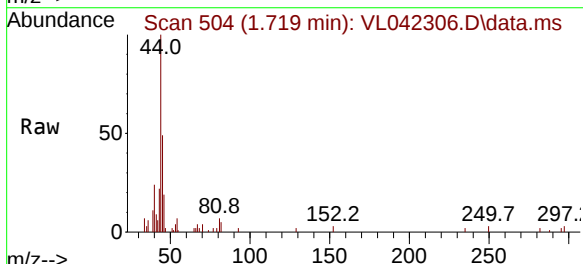
Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

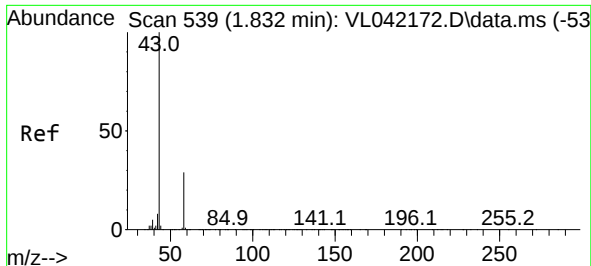
Tgt Ion: 49 Resp: 174918
Ion Ratio Lower Upper
49 100
128 44.7 22.9 68.5
130 57.6 28.8 86.4



#13
Ethanol
Concen: 1.278 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

Tgt Ion: 45 Resp: 1461
Ion Ratio Lower Upper
45 100
46 57.4 20.2 80.8

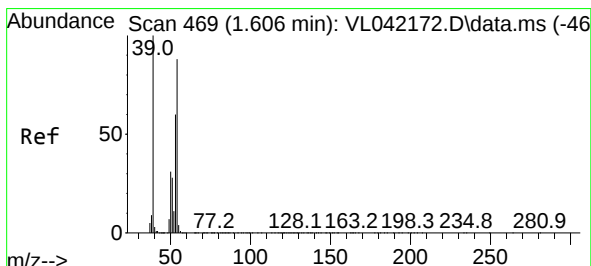
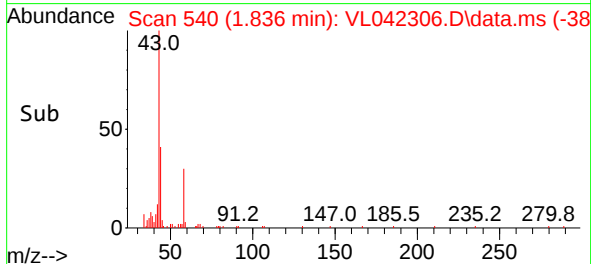
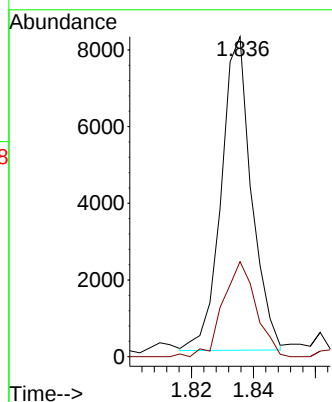
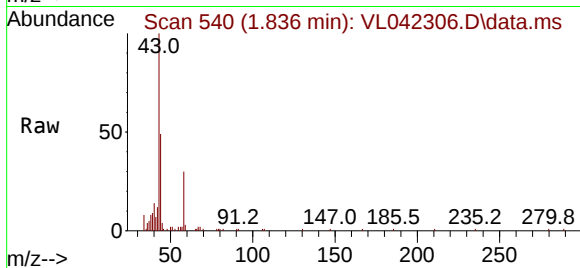




#15
Acetone
Concen: 0.228 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

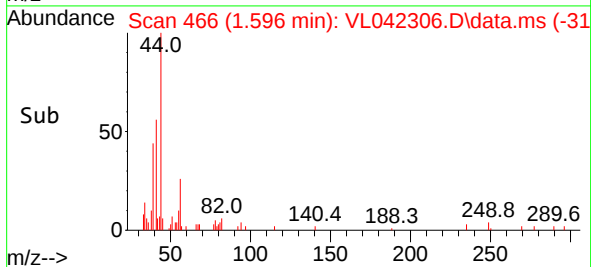
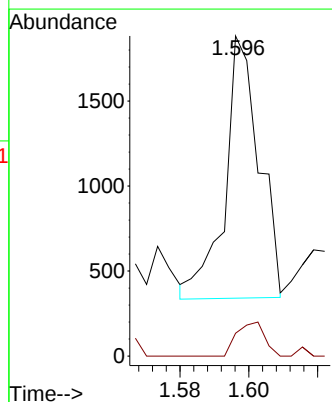
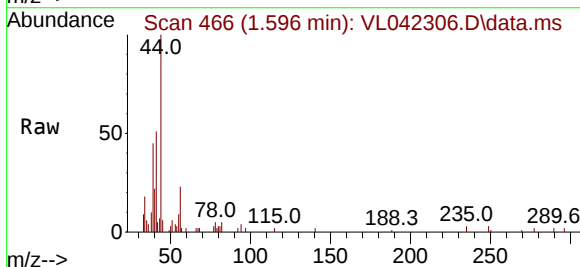
Instrument :
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ClientSampleId :
QC040925 CAN 10604

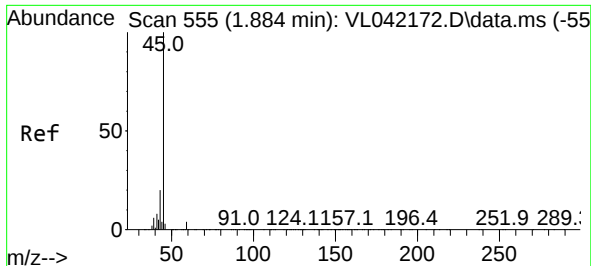
Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
58 35.7 23.2 34.8#



#16
1,3-Butadiene
Concen: 0.089 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.010 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

Tgt Ion: 39 Resp: 1061
Ion Ratio Lower Upper
39 100
54 11.5 60.7 91.1#

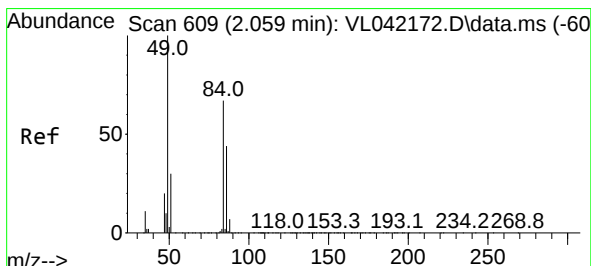
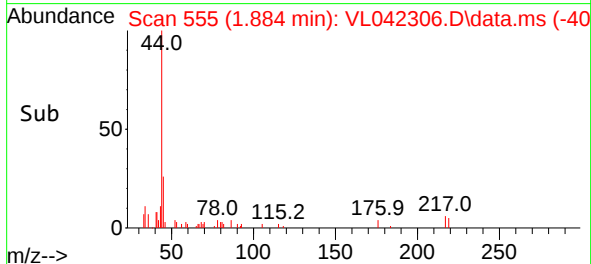
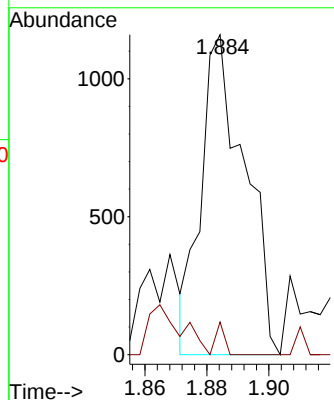
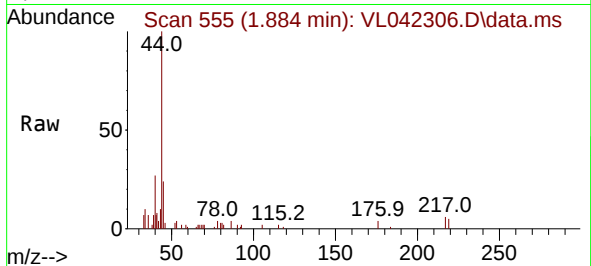




#19
Isopropyl Alcohol
Concen: 0.082 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

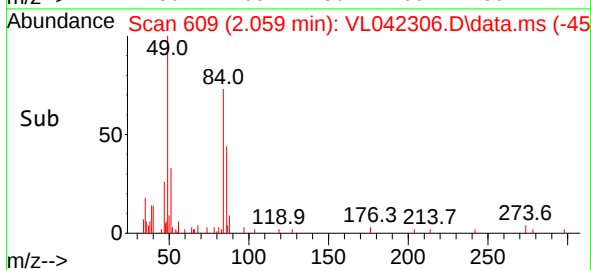
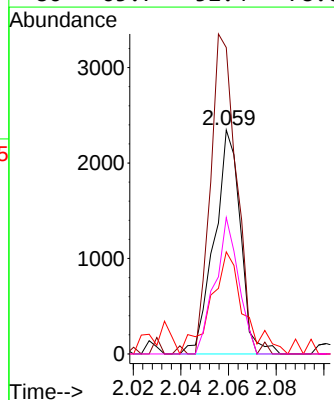
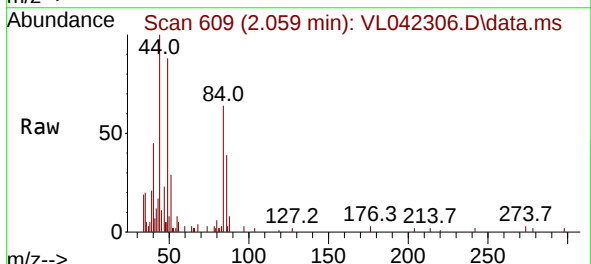
Instrument :
MSVOA_L
ClientSampleId :
QC040925 CAN 10604

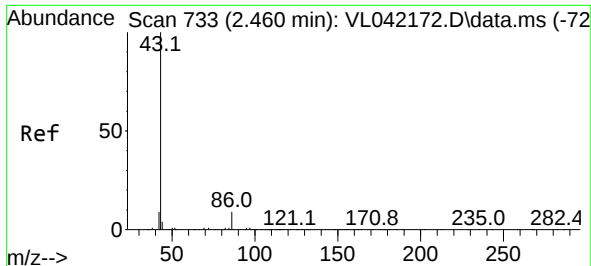
Tgt Ion: 45 Resp: 1137
Ion Ratio Lower Upper
45 100
58 174.8 36.9 55.3#



#20
Methylene Chloride
Concen: 0.196 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

Tgt Ion: 84 Resp: 1790
Ion Ratio Lower Upper
84 100
49 136.8 120.2 180.4
51 45.5 37.4 56.0
86 65.7 52.4 78.6



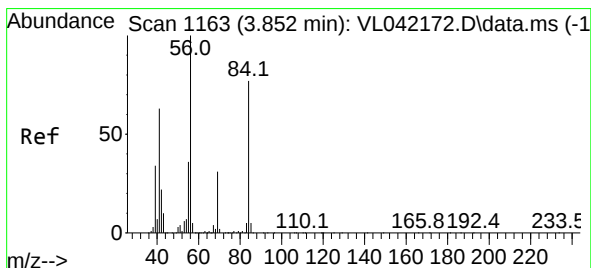
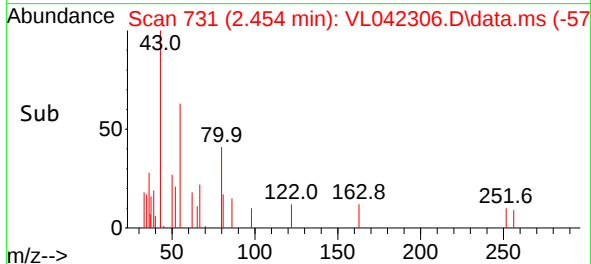
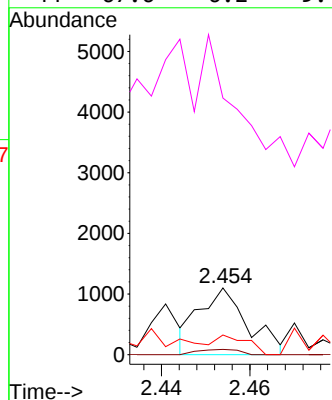
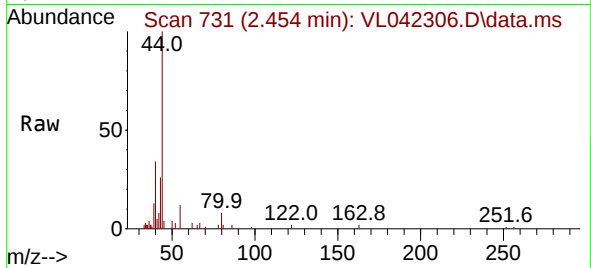


#23
Vinyl Acetate
Concen: 0.079 ppbv
RT: 2.454 min Scan# 71
Delta R.T. -0.006 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

Instrument :
MSVOA_1
ClientSampleId :
QC040925 CAN 10604

Tgt Ion: 43 Resp: 839

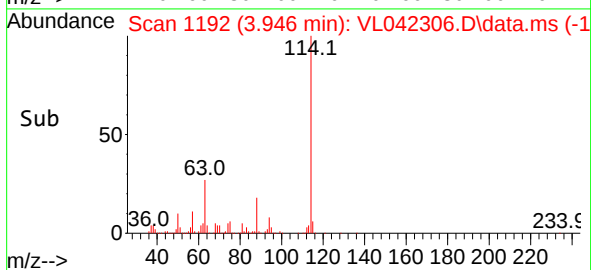
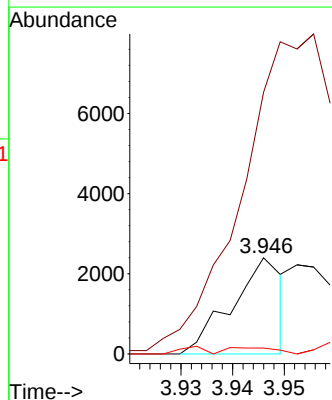
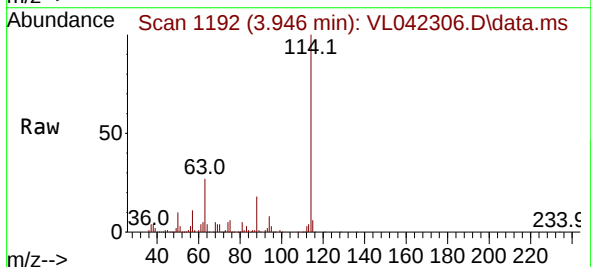
Ion	Ratio	Lower	Upper
43	100		
86	9.3	5.5	8.3#
42	34.5	8.6	13.0#
44	67.6	6.2	9.4#

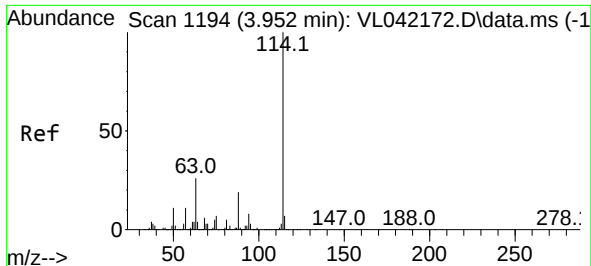


#30
Cyclohexane
Concen: 0.077 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. 0.094 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

Tgt Ion: 84 Resp: 1639

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.8	154.2#
41	6.8	66.5	99.7#

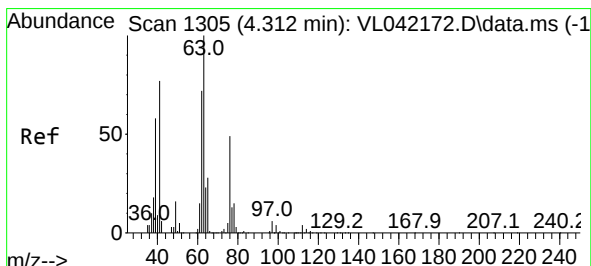
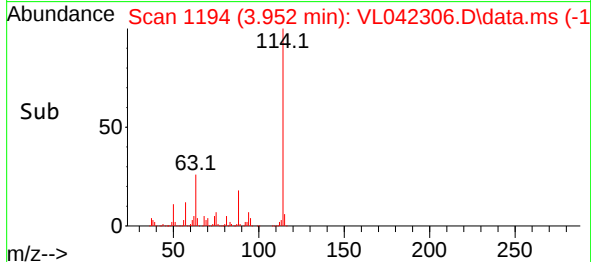
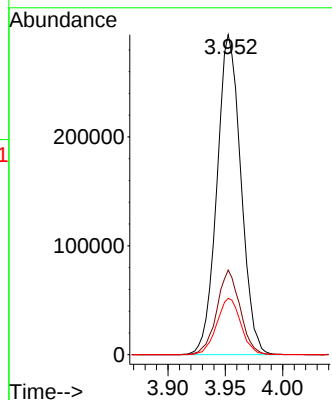
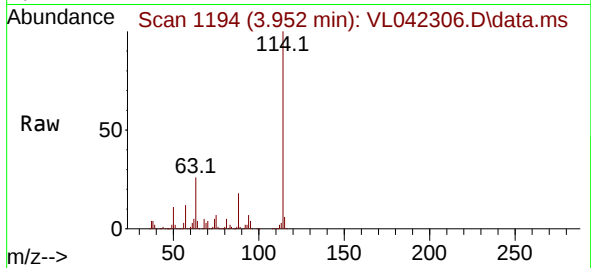




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VL042306.D
 Acq: 10 Apr 2025 13:49

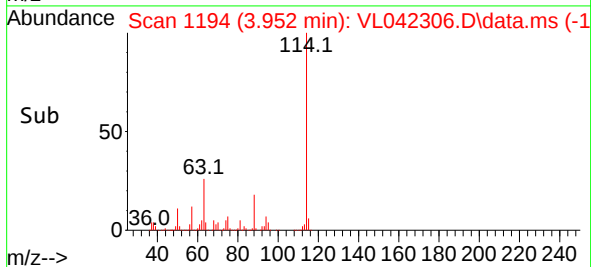
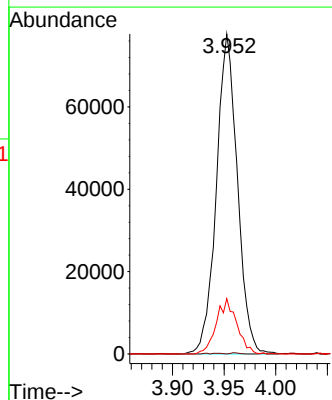
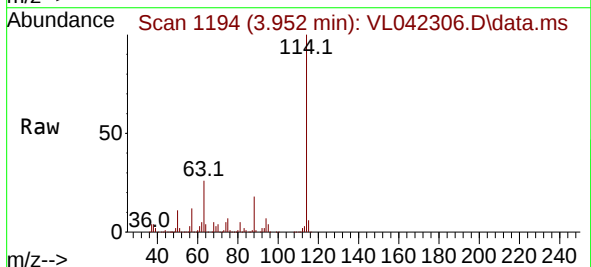
Instrument :
 MSVOA_L
 ClientSampleId :
 QC040925 CAN 10604

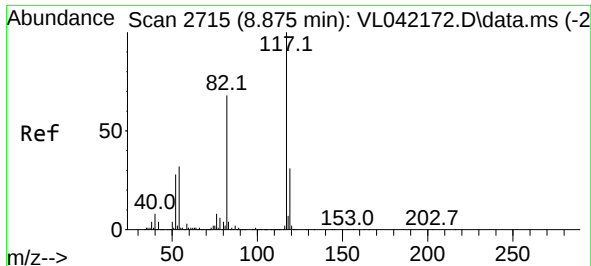
Tgt Ion:114 Resp: 427099
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.7 31.1
 88 17.7 15.0 22.4



#39
 1,2-Dichloropropane
 Concen: 7.143 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. -0.359 min
 Lab File: VL042306.D
 Acq: 10 Apr 2025 13:49

Tgt Ion: 63 Resp: 110139
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.7 92.5#
 62 17.3 57.6 86.4#

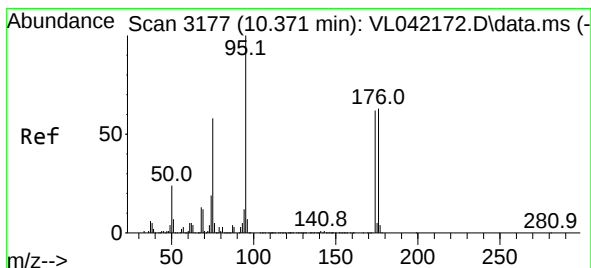
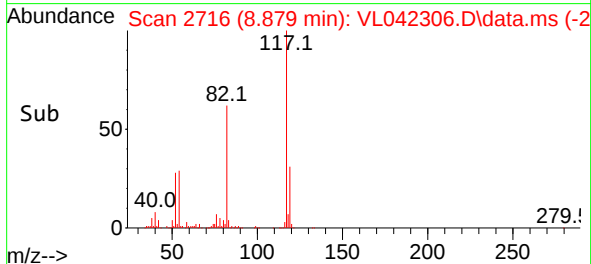
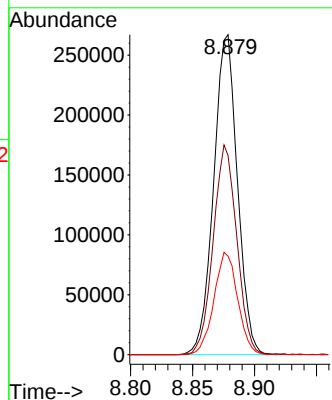
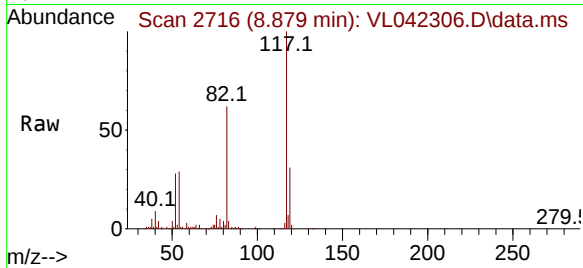




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

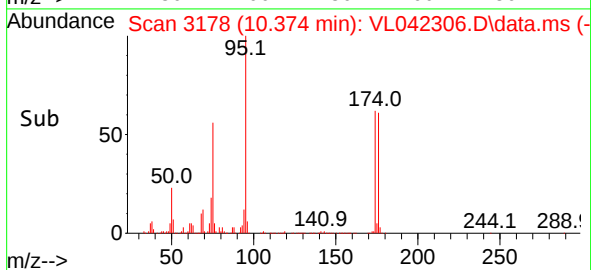
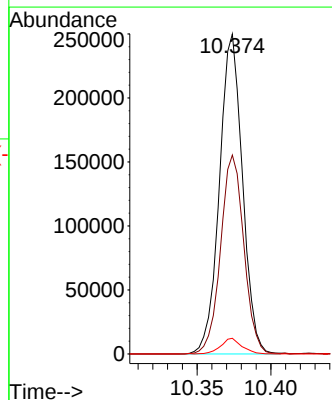
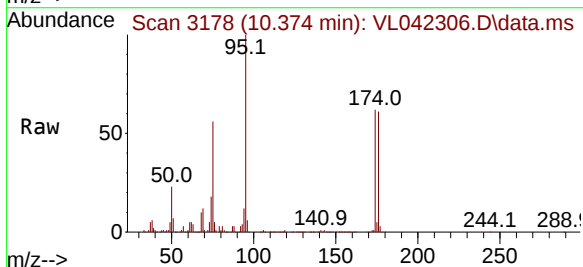
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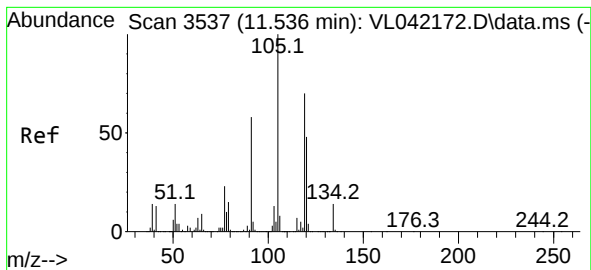
Tgt Ion:117 Resp: 358403
Ion Ratio Lower Upper
117 100
82 65.0 55.8 83.6
119 32.0 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.223 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042306.D
Acq: 10 Apr 2025 13:49

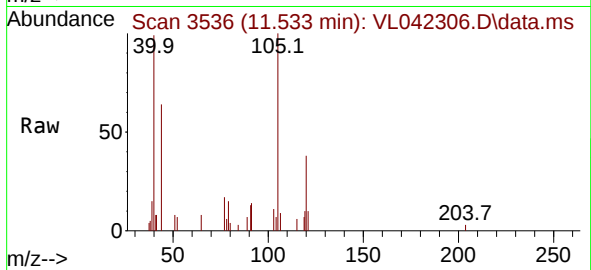
Tgt Ion: 95 Resp: 271459
Ion Ratio Lower Upper
95 100
174 63.0 50.6 76.0
175 4.5 3.8 5.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.035 ppbv
 RT: 11.533 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042306.D
 Acq: 10 Apr 2025 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040925 CAN 10604



Tgt Ion:	105	Resp:	2261
Ion	Ratio	Lower	Upper
105	100		
120	37.7	38.6	58.0#
91	27.3	46.2	69.2#
77	17.3	18.6	27.8#

