

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042437.D
 Acq On : 29 Apr 2025 09:25
 Operator : SY/MD
 Sample : VL0429ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABL01

Quant Time: Apr 30 01:16:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	119014	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	328601	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	276498	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	239853	10.556	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.600%

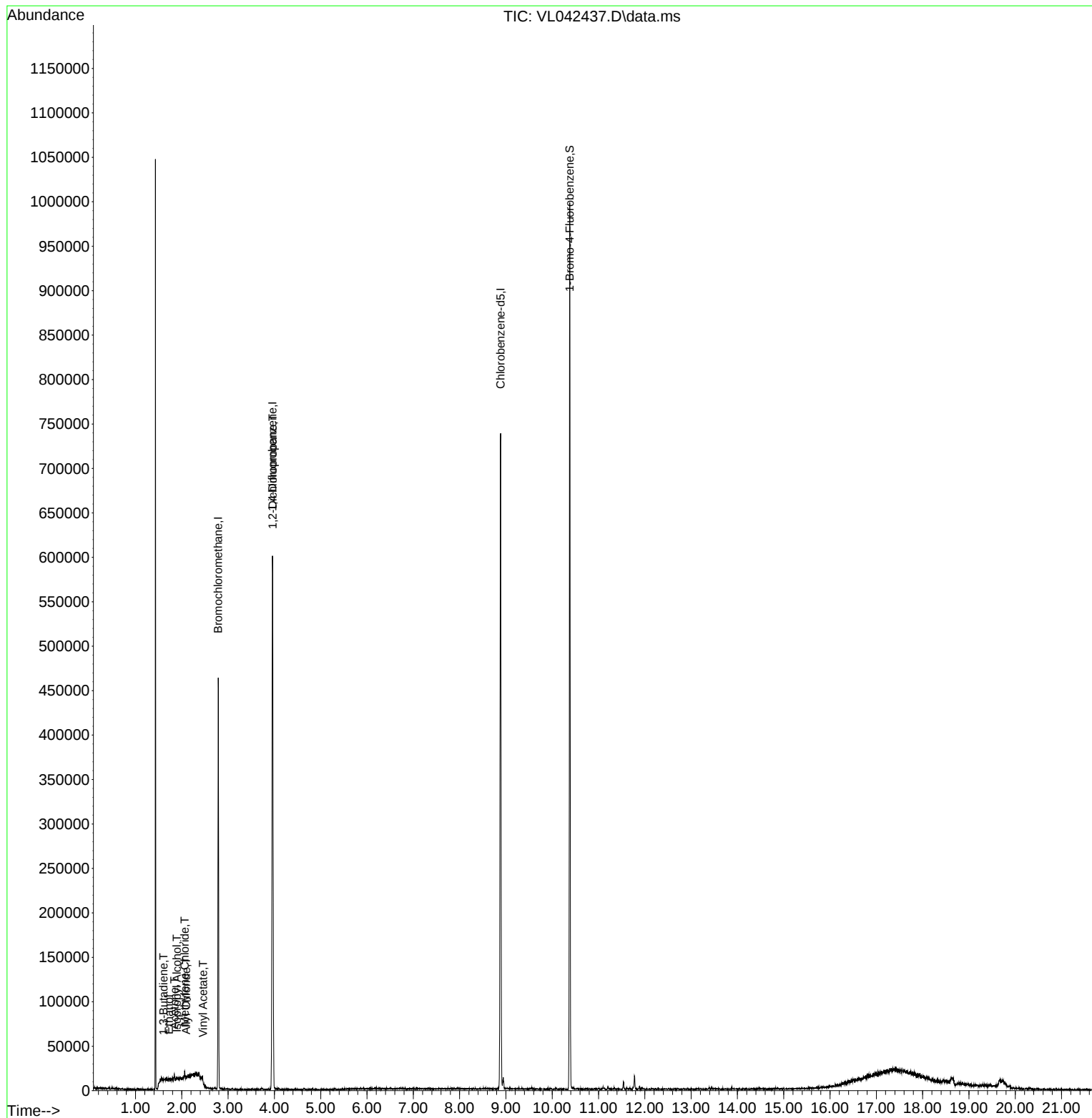
Target Compounds						Qvalue
13) Ethanol	1.722	45	198	0.137	ppbv #	24
15) Acetone	1.839	43	3620	0.186	ppbv	97
16) 1,3-Butadiene	1.606	39	488	0.052	ppbv #	38
19) Isopropyl Alcohol	1.890	45	820	0.076	ppbv #	33
20) Methylene Chloride	2.062	84	1246	0.163	ppbv #	86
21) Allyl Chloride	2.094	41	431	0.032	ppbv #	28
23) Vinyl Acetate	2.460	43	306	0.039	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	91550	6.932	ppbv #	23

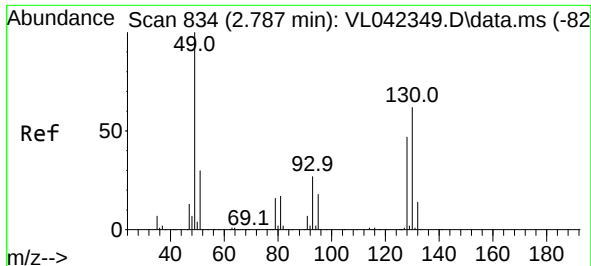
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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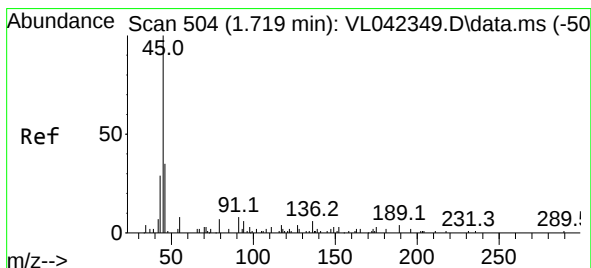
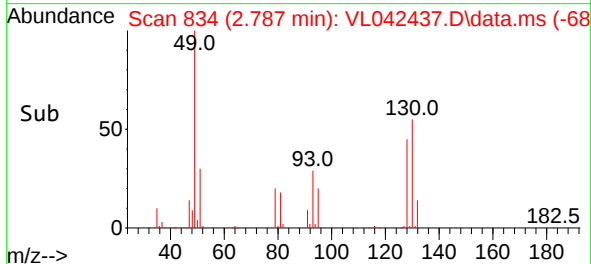
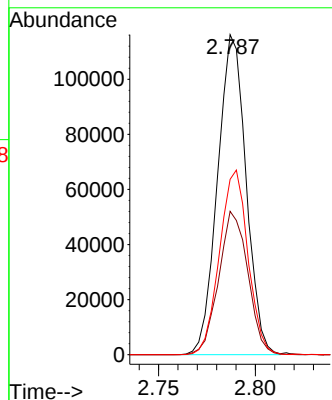
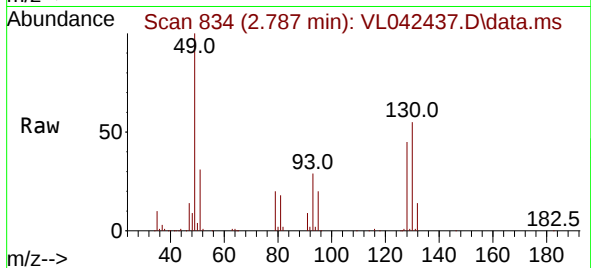




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

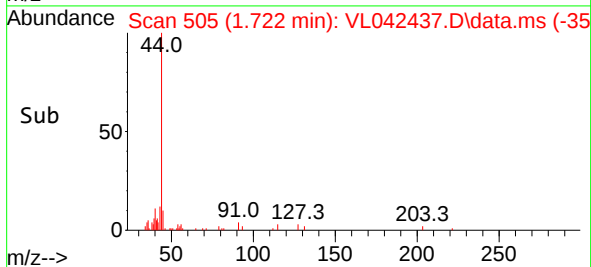
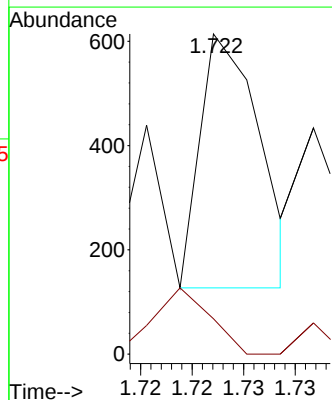
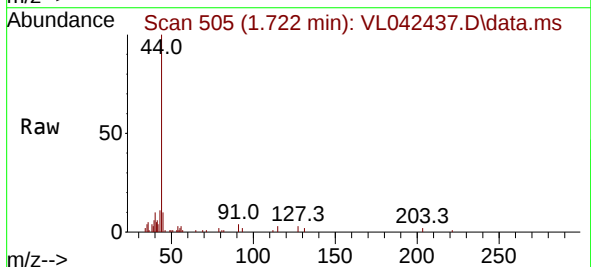
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABL01

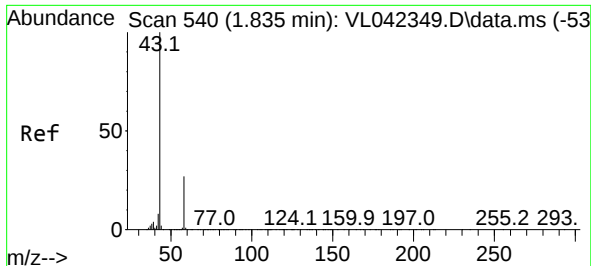
Tgt Ion: 49 Resp: 119014
Ion Ratio Lower Upper
49 100
128 45.8 22.8 68.4
130 57.6 29.3 88.0



#13
Ethanol
Concen: 0.137 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Tgt Ion: 45 Resp: 198
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#





#15

Acetone

Concen: 0.186 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042437.D

Acq: 29 Apr 2025 09:25

Instrument :

MSVOA_L

ClientSampleId :

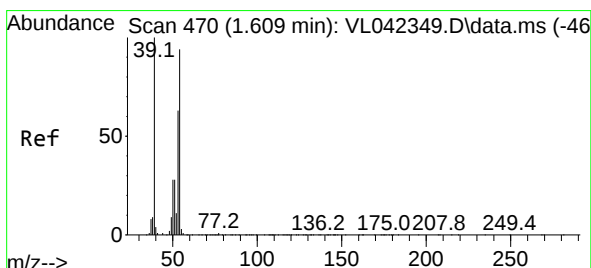
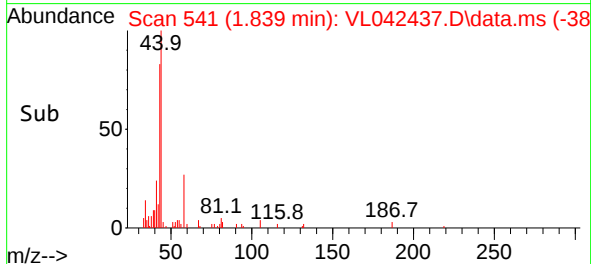
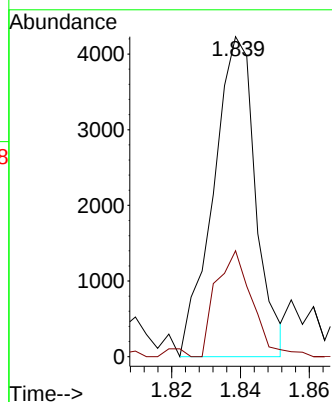
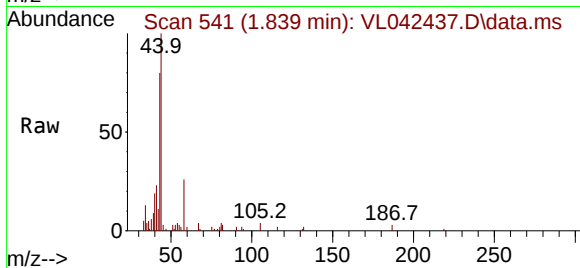
VL0429ABL01

Tgt Ion: 43 Resp: 3620

Ion Ratio Lower Upper

43 100

58 29.6 22.4 33.6



#16

1,3-Butadiene

Concen: 0.052 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.003 min

Lab File: VL042437.D

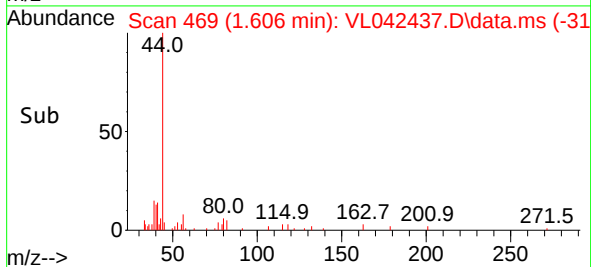
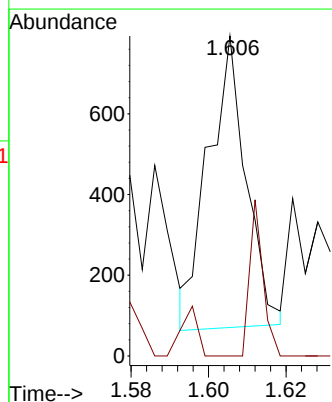
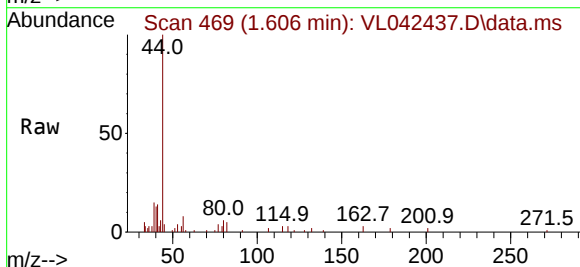
Acq: 29 Apr 2025 09:25

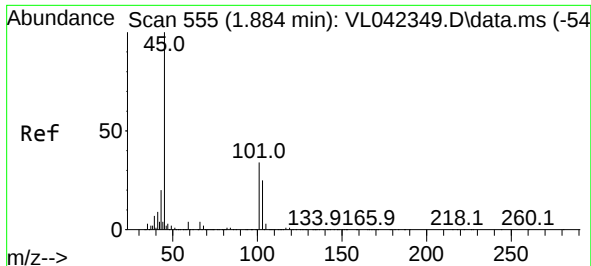
Tgt Ion: 39 Resp: 488

Ion Ratio Lower Upper

39 100

54 26.2 64.9 97.3#

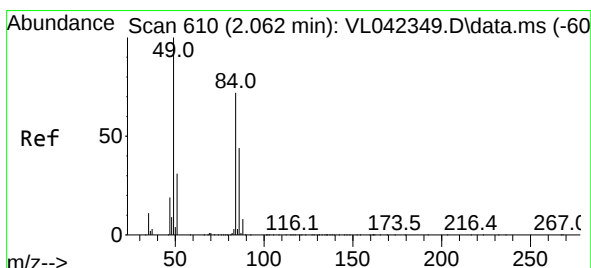
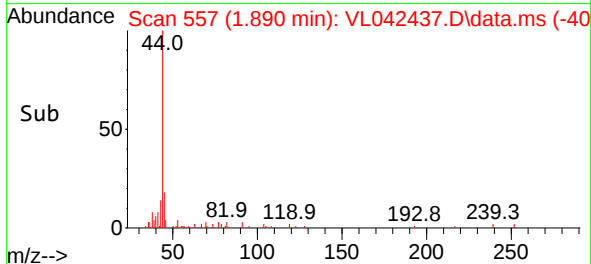
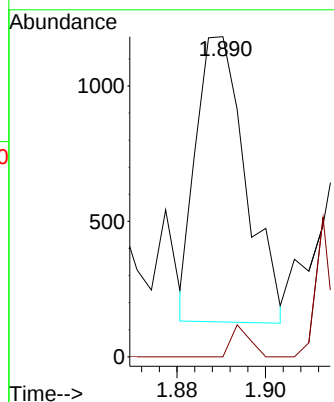
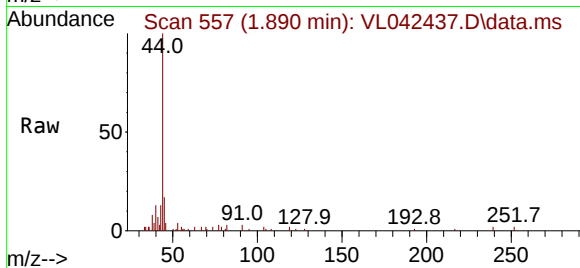




#19
Isopropyl Alcohol
Concen: 0.076 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

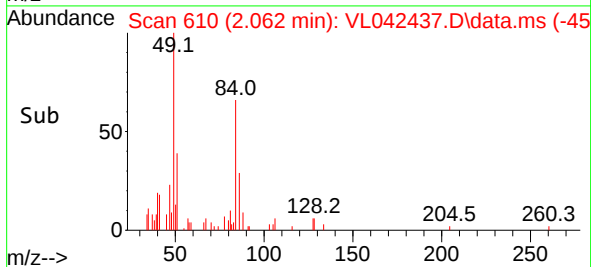
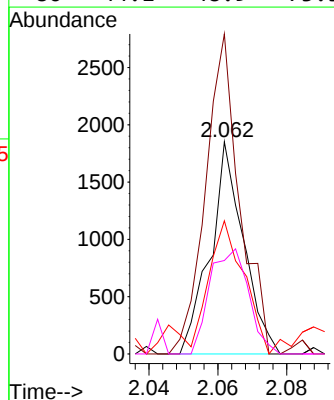
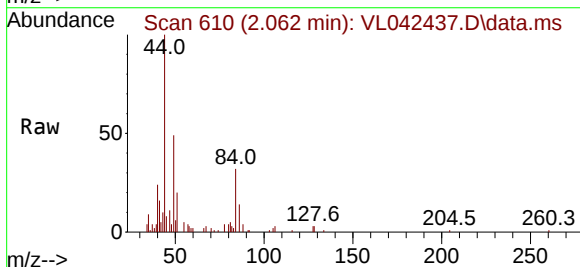
Instrument :
MSVOA_1
ClientSampleId :
VL0429ABL01

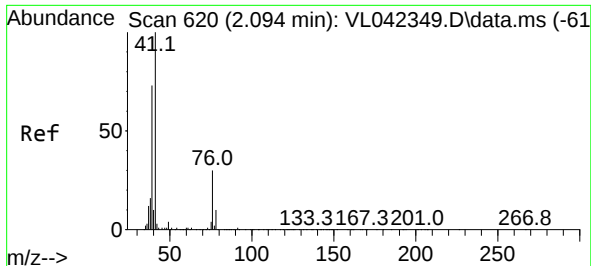
Tgt Ion: 45 Resp: 820
Ion Ratio Lower Upper
45 100
58 0.0 34.5 51.7#



#20
Methylene Chloride
Concen: 0.163 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Tgt Ion: 84 Resp: 1246
Ion Ratio Lower Upper
84 100
49 150.8 111.6 167.4
51 55.9 35.1 52.7#
86 44.1 48.9 73.3#

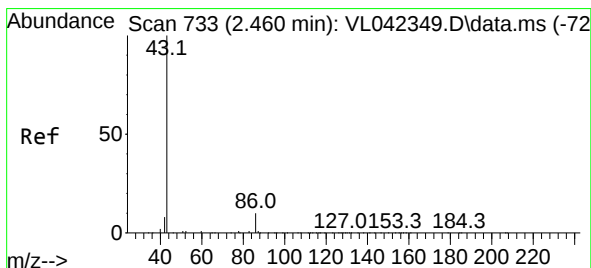
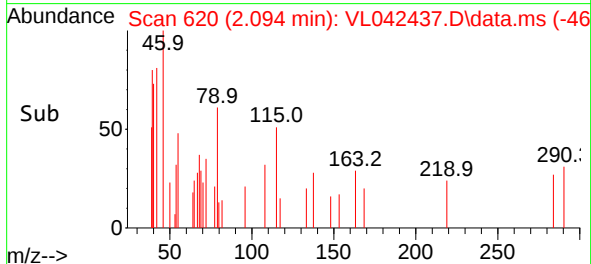
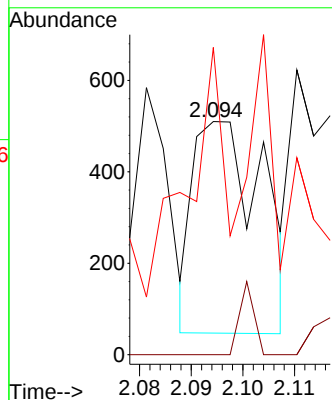
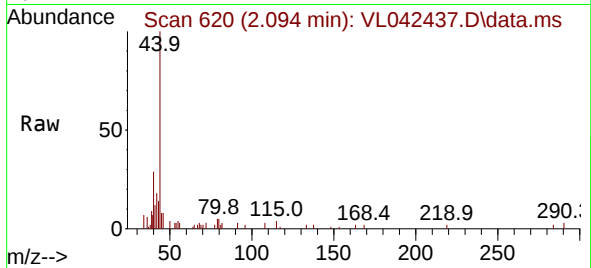




#21
 Allyl Chloride
 Concen: 0.032 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042437.D
 Acq: 29 Apr 2025 09:25

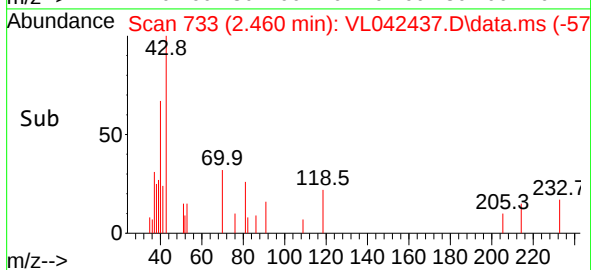
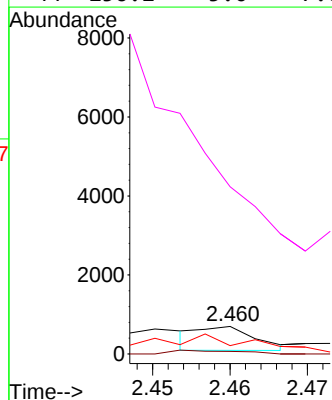
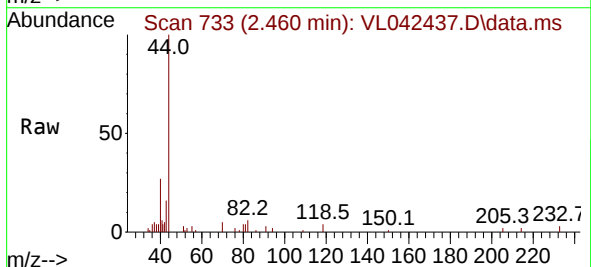
Instrument :
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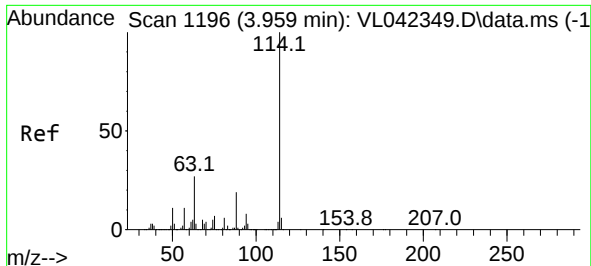
Tgt Ion: 41 Resp: 431
 Ion Ratio Lower Upper
 41 100
 76 13.7 24.8 37.2#
 39 0.0 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 0.039 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: VL042437.D
 Acq: 29 Apr 2025 09:25

Tgt Ion: 43 Resp: 306
 Ion Ratio Lower Upper
 43 100
 86 13.6 6.5 9.7#
 42 154.4 7.8 11.8#
 44 256.2 5.0 7.6#

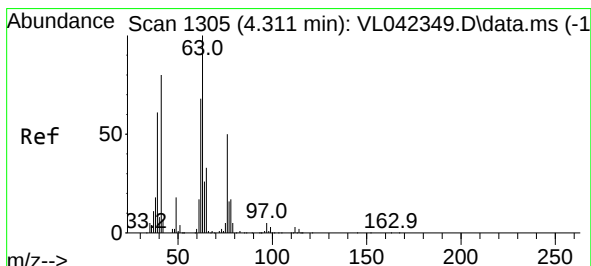
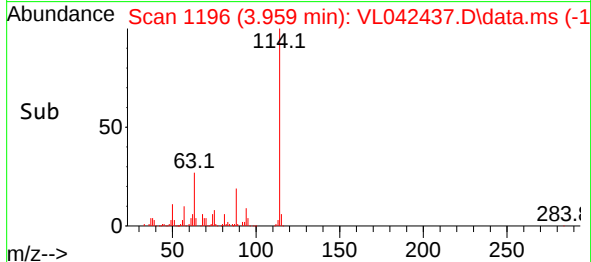
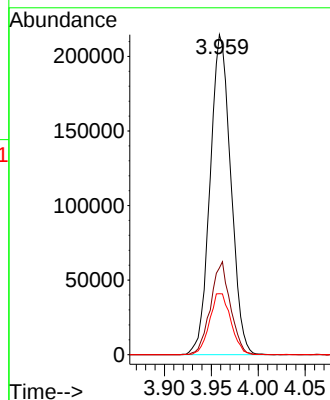
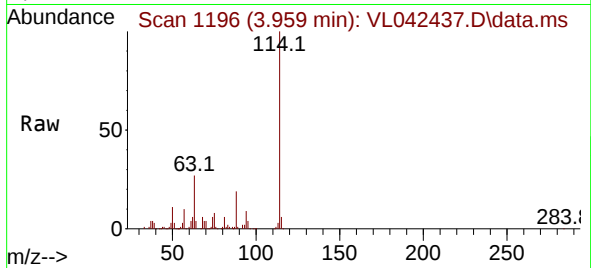




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. -0.000 min
 Lab File: VL042437.D
 Acq: 29 Apr 2025 09:25

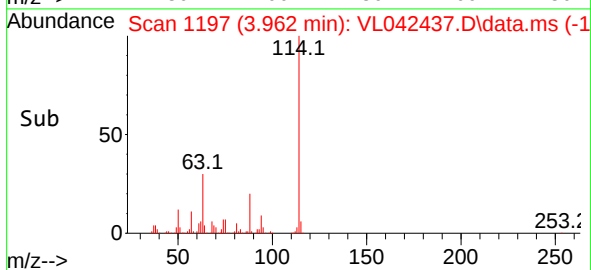
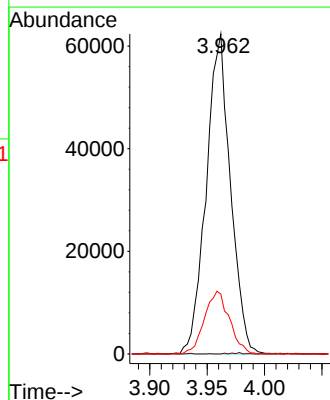
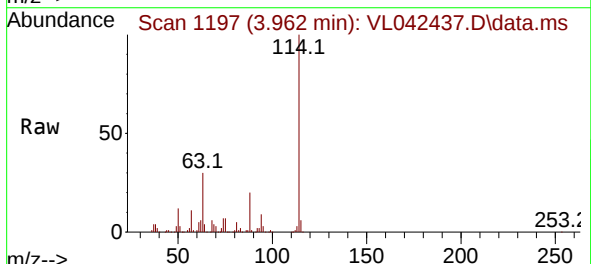
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABL01

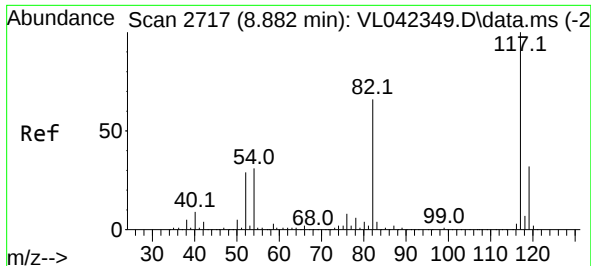
Tgt Ion:114 Resp: 328601
 Ion Ratio Lower Upper
 114 100
 63 27.9 21.8 32.6
 88 19.7 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 6.932 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.350 min
 Lab File: VL042437.D
 Acq: 29 Apr 2025 09:25

Tgt Ion: 63 Resp: 91550
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.2 96.2#
 62 18.7 54.3 81.5#

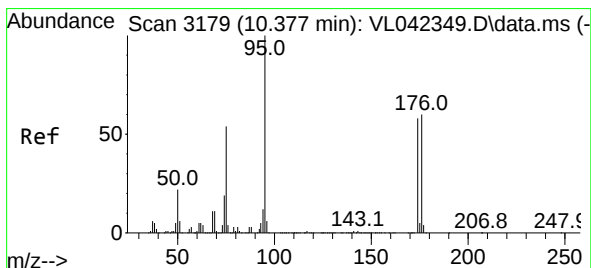
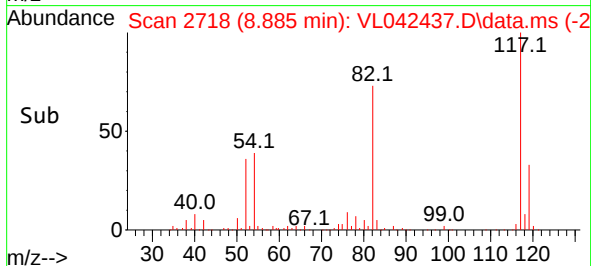
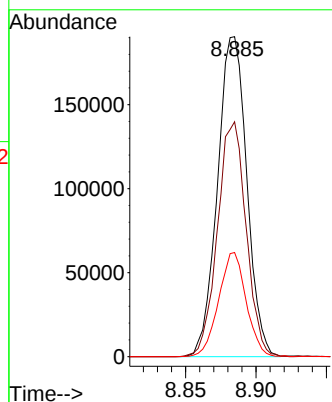
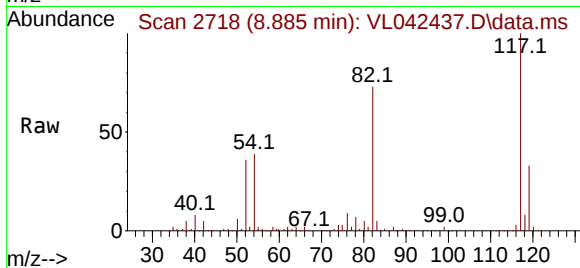




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Instrument :
MSVOA_1
ClientSampleId :
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Tgt Ion:117 Resp: 276498
Ion Ratio Lower Upper
117 100
82 71.6 57.8 86.6
119 30.6 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.556 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042437.D
Acq: 29 Apr 2025 09:25

Tgt Ion: 95 Resp: 239853
Ion Ratio Lower Upper
95 100
174 51.8 48.5 72.7
175 3.8 3.7 5.5

