

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042648.D
 Acq On : 19 Jun 2025 09:42
 Operator : SY/MD
 Sample : VL0619ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABL01

Quant Time: Jun 20 01:34:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	105000	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.978	114	273905	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.901	117	233634	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	178374	10.185	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

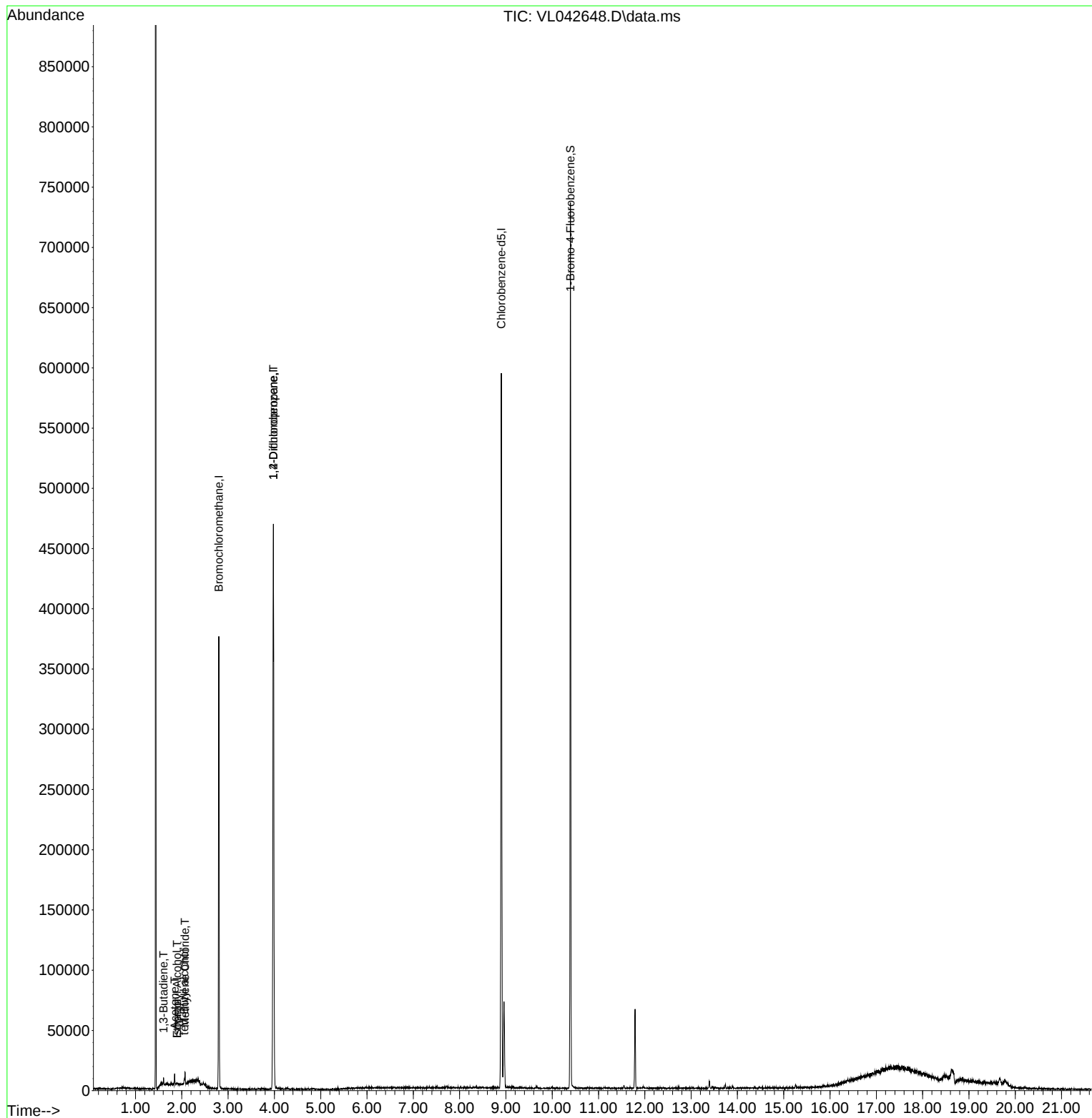
Target Compounds						Qvalue
13) Ethanol	1.897	45	398	0.467	ppbv #	39
15) Acetone	1.845	43	3767	0.298	ppbv #	89
16) 1,3-Butadiene	1.606	39	977	0.163	ppbv #	20
17) tert-Butyl alcohol	2.052	59	1176	0.089	ppbv #	88
19) Isopropyl Alcohol	1.897	45	398	0.053	ppbv #	1
20) Methylene Chloride	2.069	84	1367	0.328	ppbv #	82
39) 1,2-Dichloropropane	3.978	63	68587	6.876	ppbv #	21

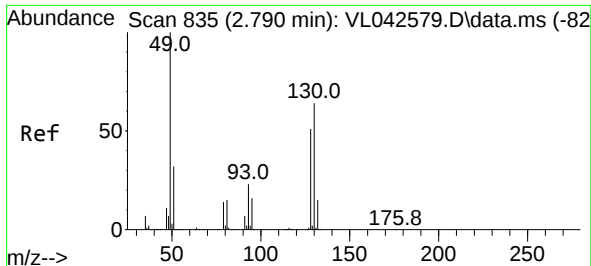
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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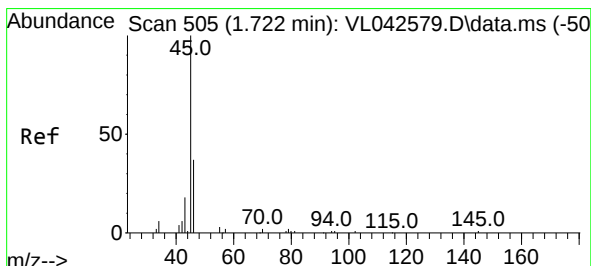
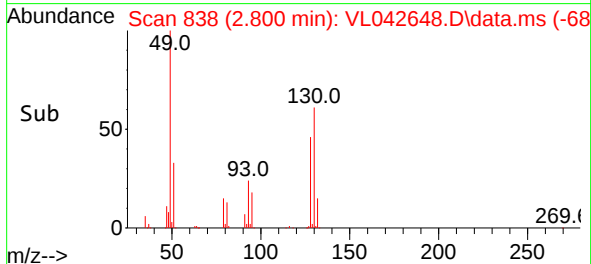
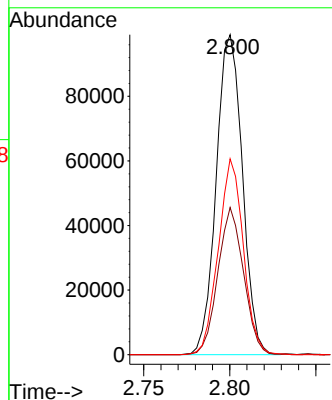
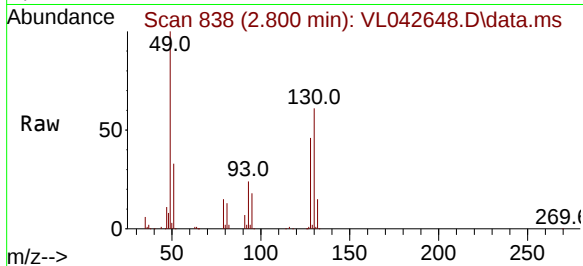




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042648.D
Acq: 19 Jun 2025 09:42

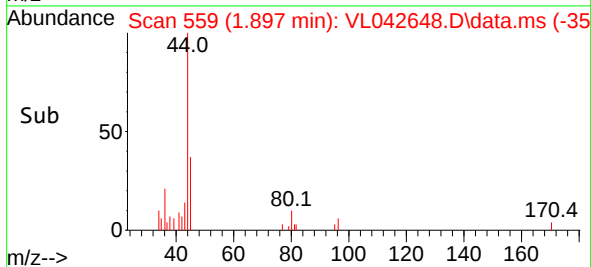
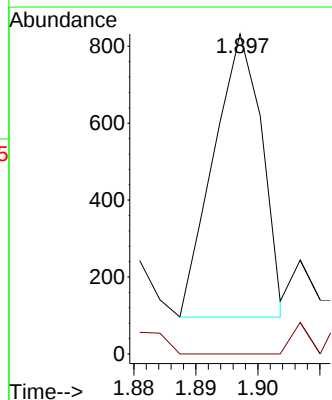
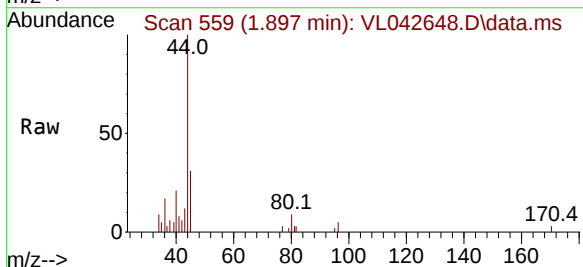
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABL01

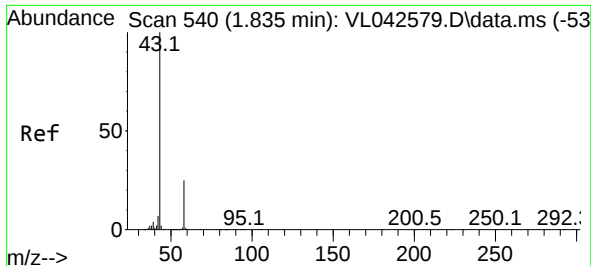
Tgt Ion: 49 Resp: 105000
Ion Ratio Lower Upper
49 100
128 45.2 24.2 72.6
130 58.6 30.4 91.2



#13
Ethanol
Concen: 0.467 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.175 min
Lab File: VL042648.D
Acq: 19 Jun 2025 09:42

Tgt Ion: 45 Resp: 398
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#

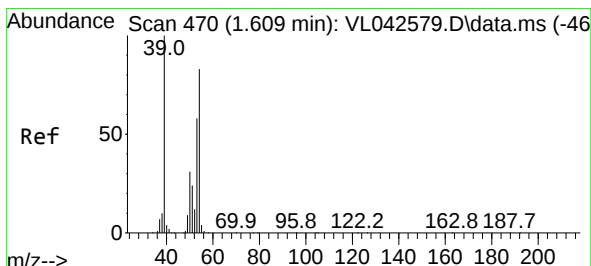
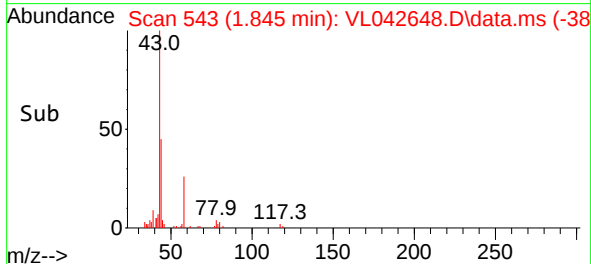
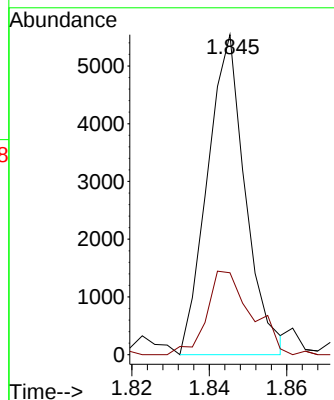
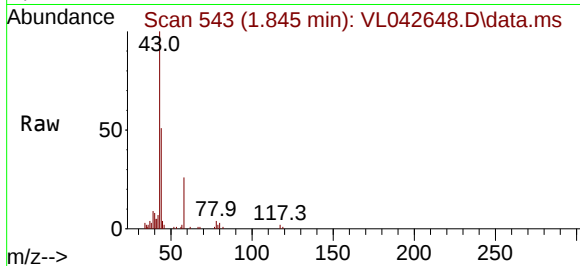




#15
Acetone
Concen: 0.298 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042648.D
Acq: 19 Jun 2025 09:42

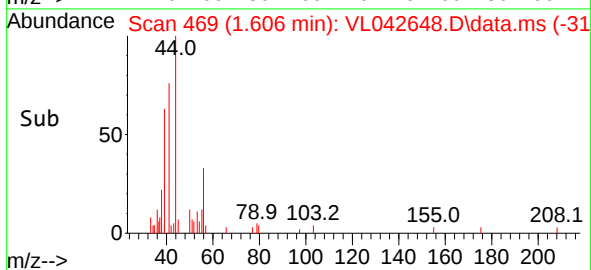
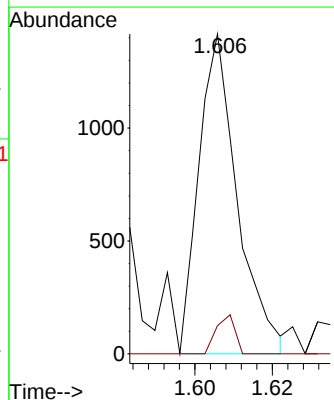
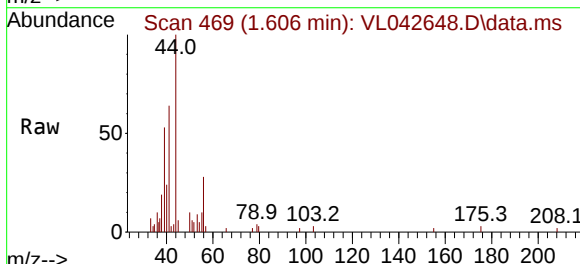
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABL01

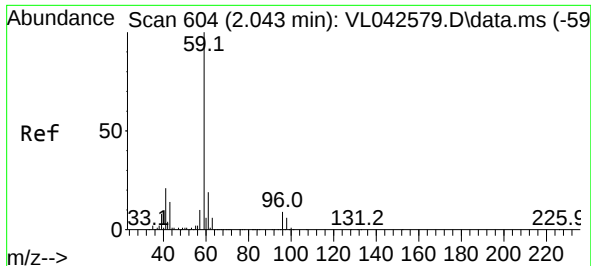
Tgt Ion: 43 Resp: 3767
Ion Ratio Lower Upper
43 100
58 31.7 21.0 31.4#



#16
1,3-Butadiene
Concen: 0.163 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042648.D
Acq: 19 Jun 2025 09:42

Tgt Ion: 39 Resp: 977
Ion Ratio Lower Upper
39 100
54 5.9 57.9 86.9#





#17

tert-Butyl alcohol

Concen: 0.089 ppbv

RT: 2.052 min Scan# 604

Delta R.T. 0.010 min

Lab File: VL042648.D

Acq: 19 Jun 2025 09:42

Instrument :

MSVOA_L

ClientSampleId :

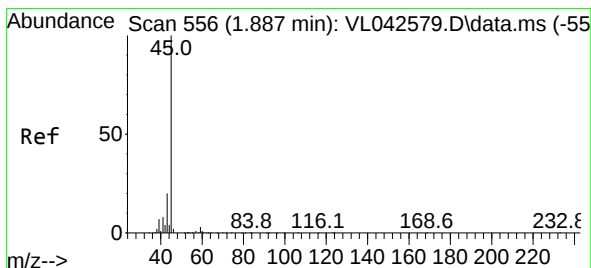
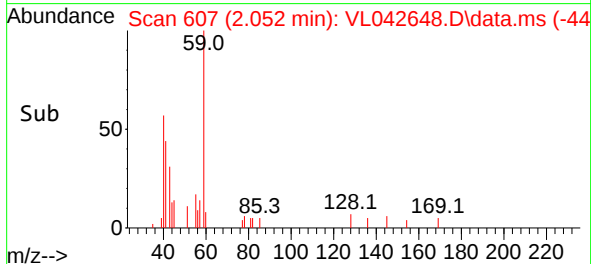
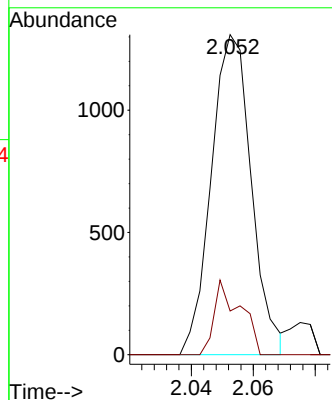
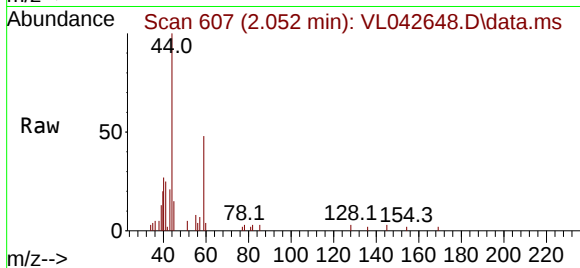
VL0619ABL01

Tgt Ion: 59 Resp: 1176

Ion Ratio Lower Upper

59 100

57 15.2 8.6 12.8#



#19

Isopropyl Alcohol

Concen: 0.053 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.010 min

Lab File: VL042648.D

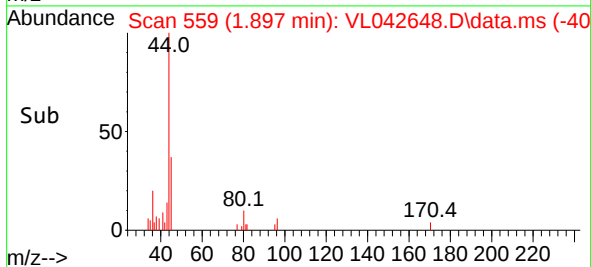
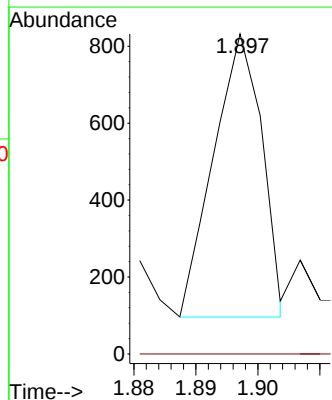
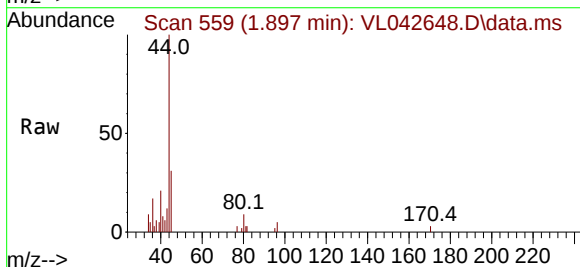
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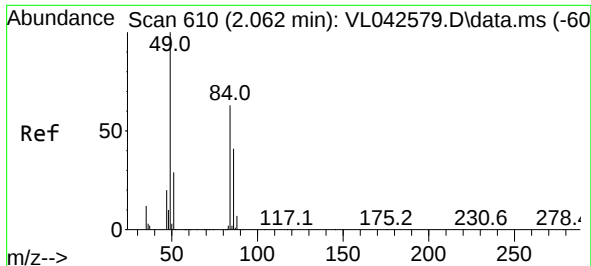
Tgt Ion: 45 Resp: 398

Ion Ratio Lower Upper

45 100

58 299.7 29.4 44.2#

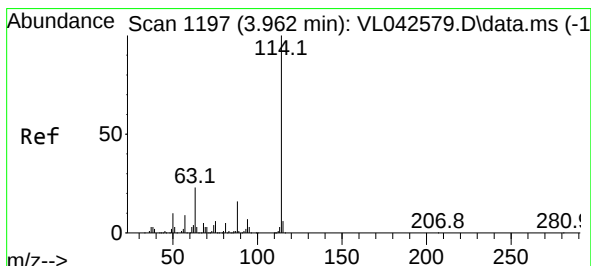
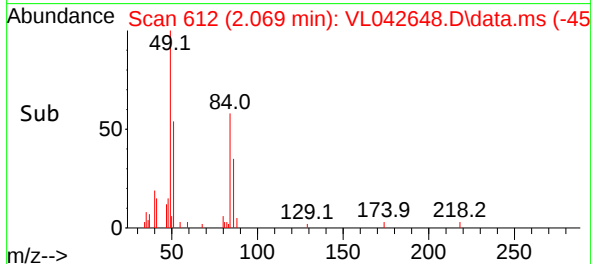
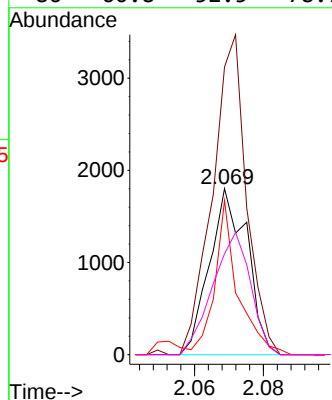
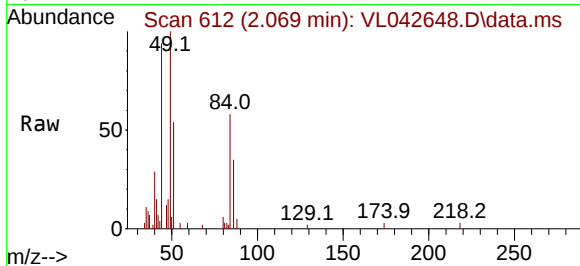




#20
Methylene Chloride
Concen: 0.328 ppbv
RT: 2.069 min Scan# 610
Delta R.T. 0.007 min
Lab File: VL042648.D
Acq: 19 Jun 2025 09:42

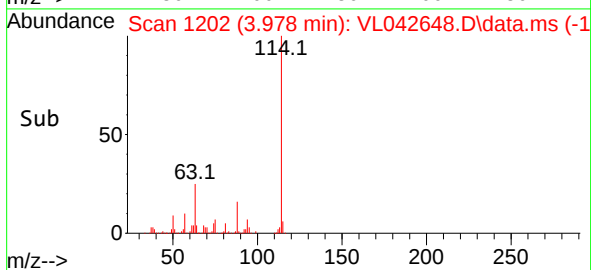
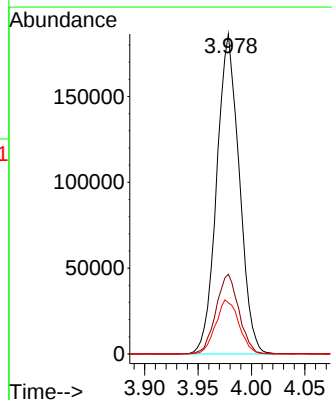
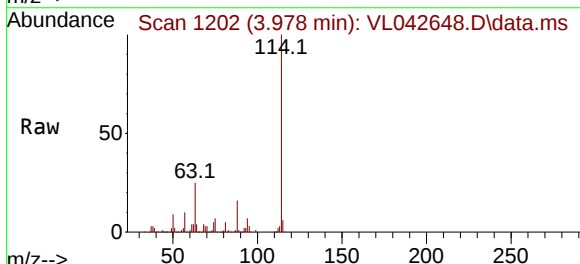
Instrument :
MSVOA_L
ClientSampleId :
VL0619ABL01

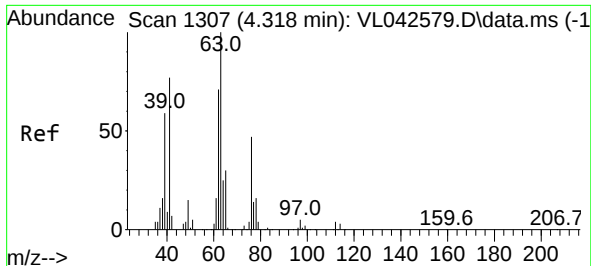
Tgt Ion:	84	Resp:	1367
Ion	Ratio	Lower	Upper
84	100		
49	173.3	128.8	193.2
51	89.7	38.6	57.8
86	60.8	52.5	78.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.016 min
Lab File: VL042648.D
Acq: 19 Jun 2025 09:42

Tgt Ion:	114	Resp:	273905
Ion	Ratio	Lower	Upper
114	100		
63	25.4	19.0	28.6
88	17.4	13.6	20.4





#39

1,2-Dichloropropane

Concen: 6.876 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.340 min

Lab File: VL042648.D

Acq: 19 Jun 2025 09:42

Instrument :

MSVOA_L

ClientSampleId :

VL0619ABL01

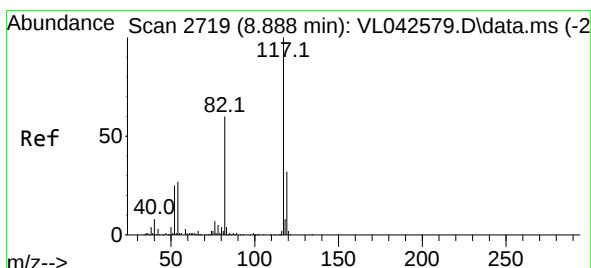
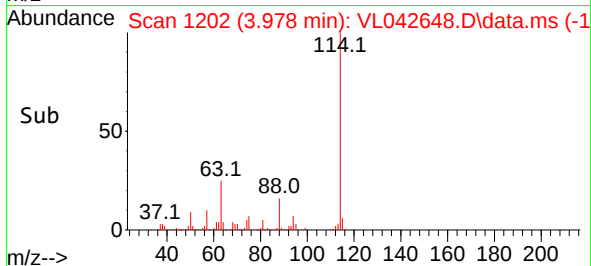
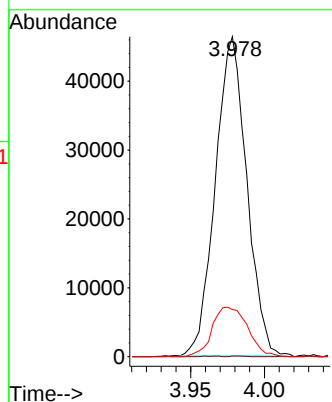
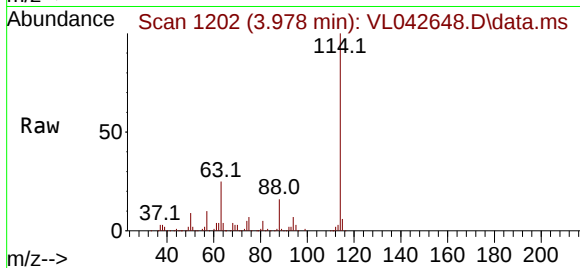
Tgt Ion: 63 Resp: 68587

Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 14.8 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2723

Delta R.T. 0.013 min

Lab File: VL042648.D

Acq: 19 Jun 2025 09:42

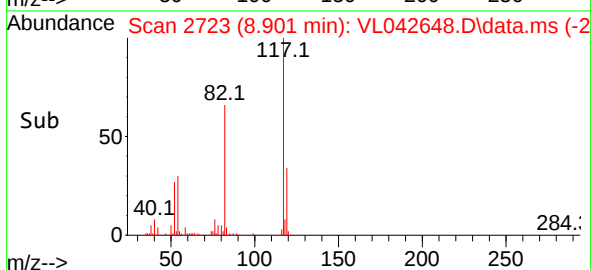
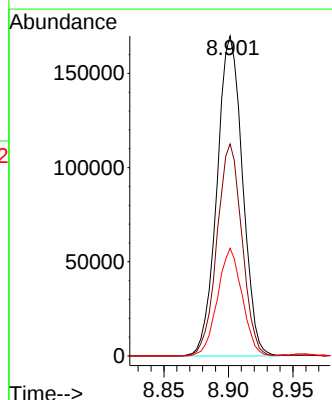
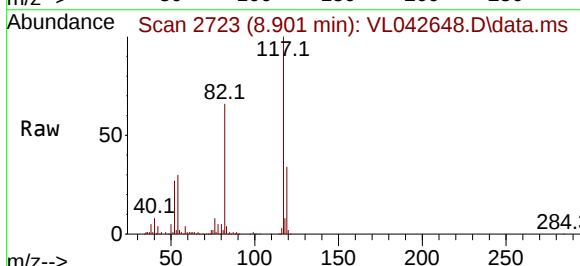
Tgt Ion: 117 Resp: 233634

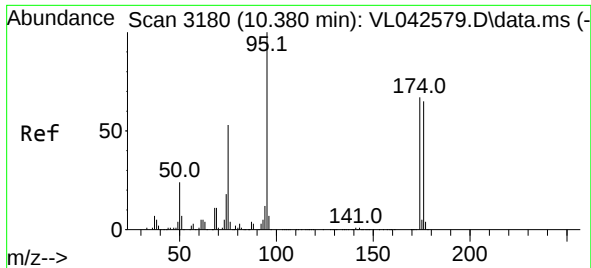
Ion Ratio Lower Upper

117 100

82 64.8 51.2 76.8

119 32.5 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.185 ppbv
 RT: 10.393 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VL042648.D
 Acq: 19 Jun 2025 09:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0619ABL01

Tgt Ion: 95 Resp: 178374
 Ion Ratio Lower Upper
 95 100
 174 62.1 53.1 79.7
 175 4.9 4.2 6.2

