

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042246.D
 Acq On : 07 Apr 2025 23:11
 Operator : SY/MD
 Sample : Q1725-05DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B14-3-04012025DL

Quant Time: Apr 08 01:37:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

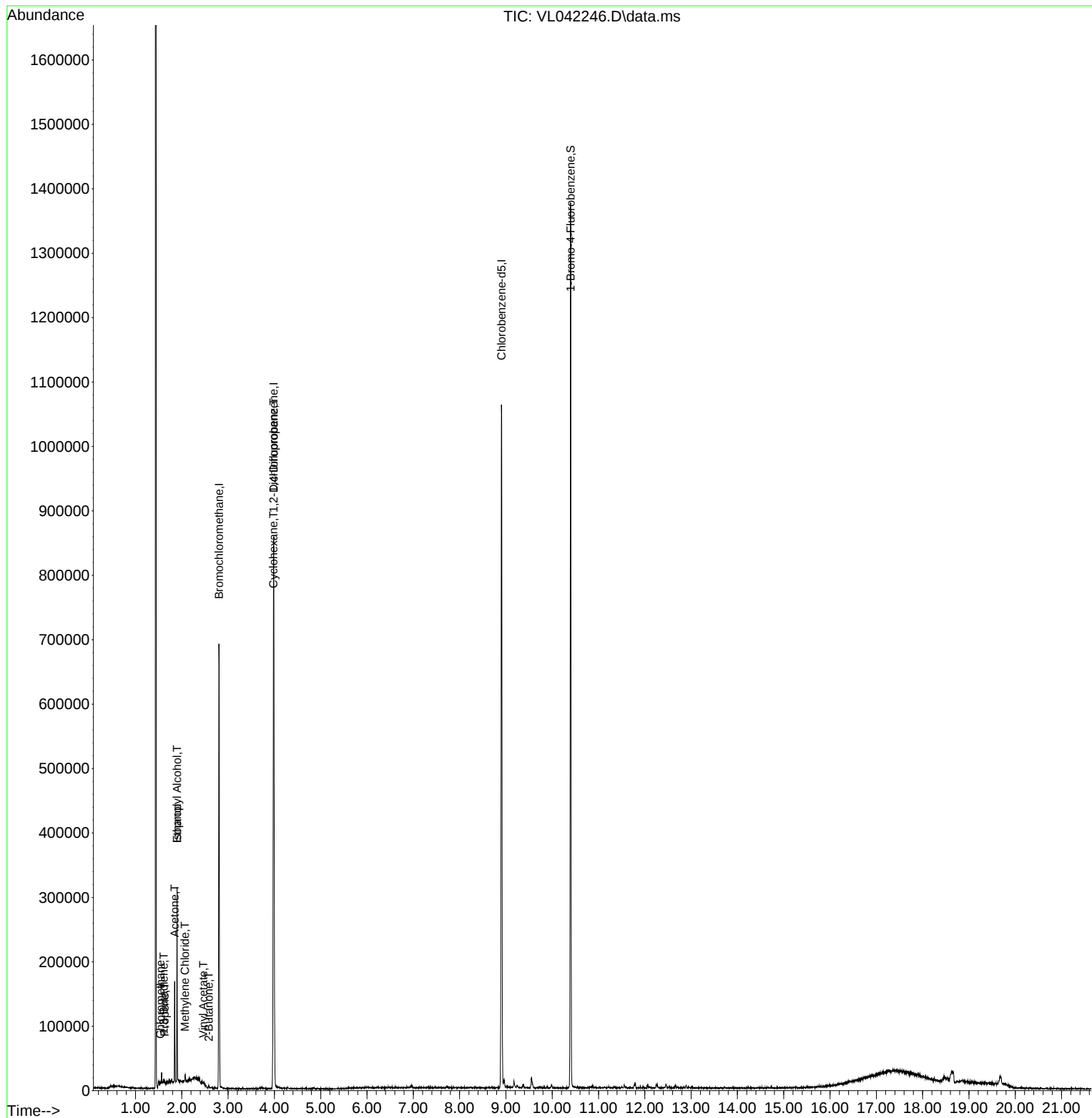
Internal Standards						
1) Bromochloromethane	2.803	49	189563	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.984	114	475002	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	416393	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	323769	9.468	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
					Qvalue	
4) Chloromethane	1.538	50	385	0.034	ppbv #	42
9) Propene	1.628	41	584	0.045	ppbv	93
13) Ethanol	1.897	45	119629	96.561	ppbv #	27
15) Acetone	1.845	43	65524	2.472	ppbv	95
16) 1,3-Butadiene	1.612	39	1413	0.109	ppbv #	37
19) Isopropyl Alcohol	1.897	45	119629	7.997	ppbv #	33
20) Methylene Chloride	2.068	84	1774	0.180	ppbv #	84
23) Vinyl Acetate	2.466	43	2297	0.200	ppbv #	46
30) Cyclohexane	3.978	84	2525	0.109	ppbv #	6
34) 2-Butanone	2.580	43	1768	0.051	ppbv	98
39) 1,2-Dichloropropane	3.981	63	125207	7.301	ppbv #	22

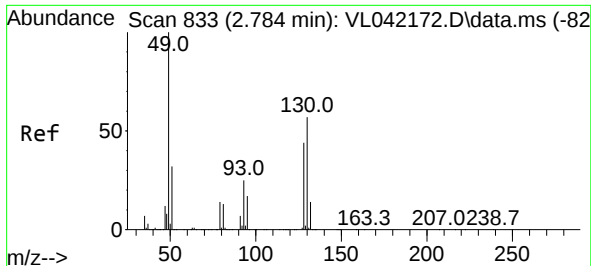
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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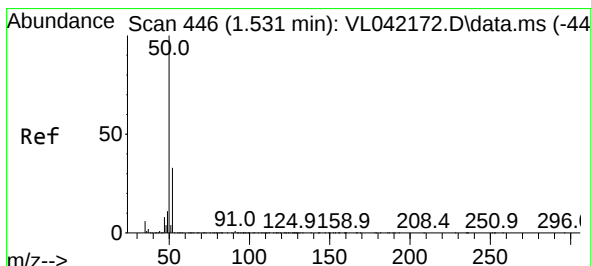
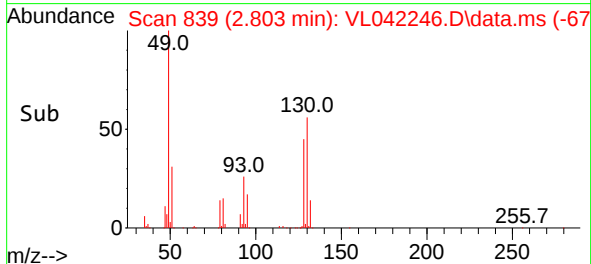
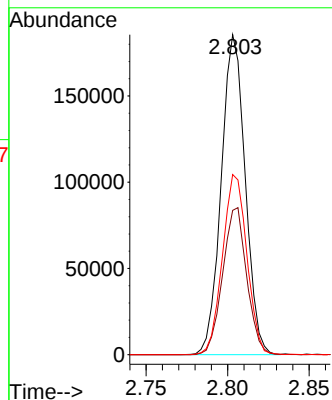
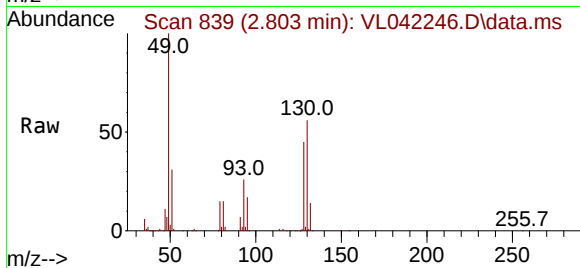




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042246.D
Acq: 07 Apr 2025 23:11

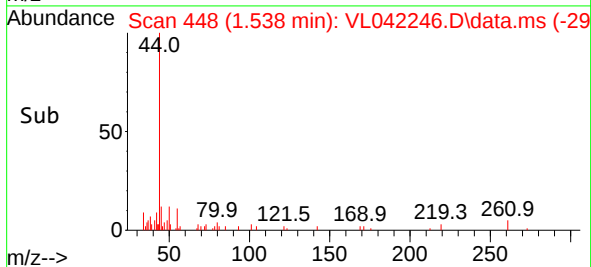
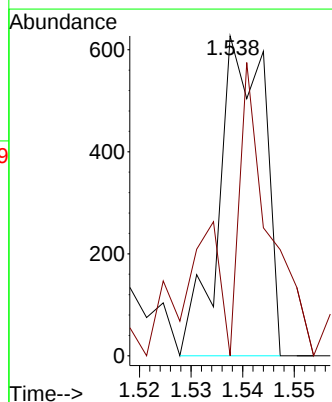
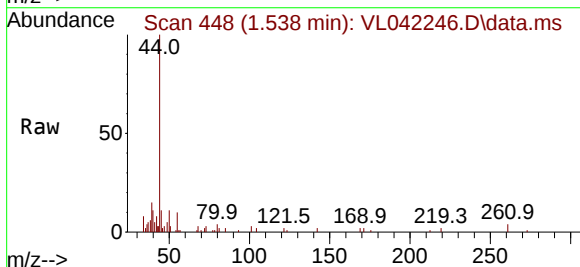
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

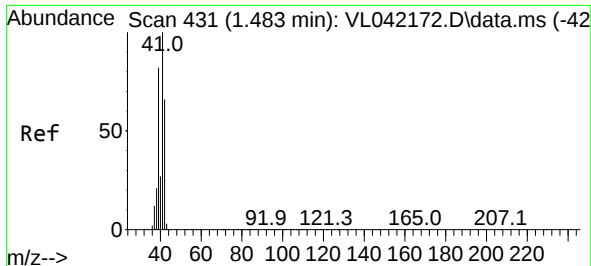
Tgt Ion: 49 Resp: 189563
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.5
130 57.3 28.8 86.4



#4
Chloromethane
Concen: 0.034 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042246.D
Acq: 07 Apr 2025 23:11

Tgt Ion: 50 Resp: 385
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#9

Propene

Concen: 0.045 ppbv

RT: 1.628 min Scan# 41

Delta R.T. 0.145 min

Lab File: VL042246.D

Acq: 07 Apr 2025 23:11

Instrument :

MSVOA_L

ClientSampleId :

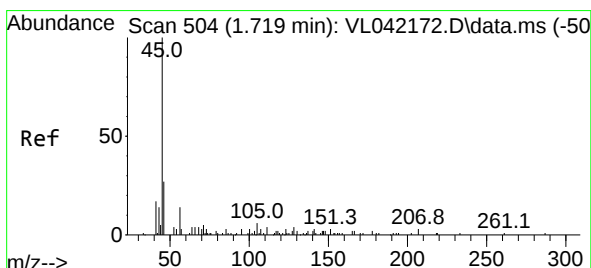
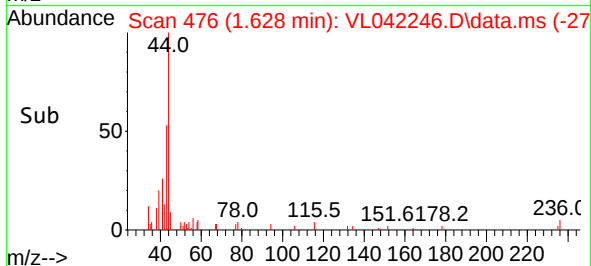
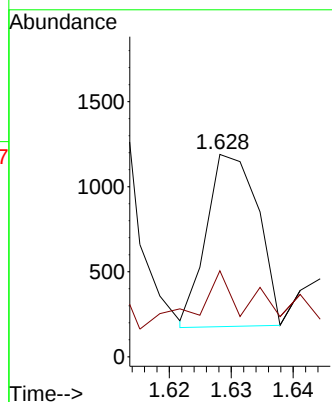
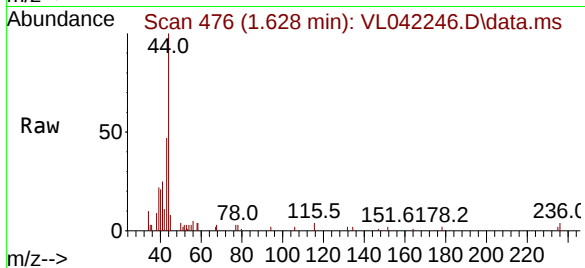
SSSG-B14-3-04012025DL

Tgt Ion: 41 Resp: 584

Ion Ratio Lower Upper

41 100

42 74.8 55.4 83.2



#13

Ethanol

Concen: 96.561 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.178 min

Lab File: VL042246.D

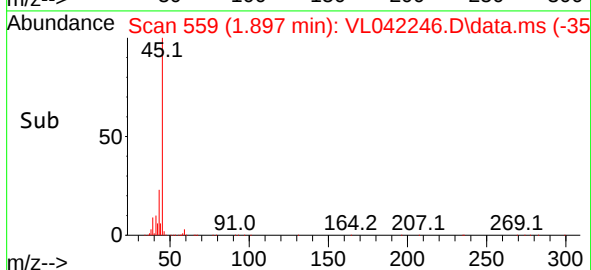
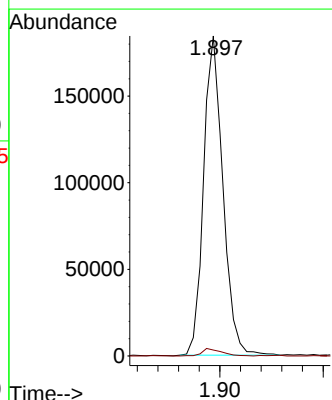
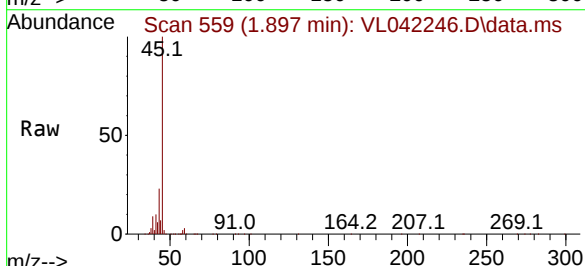
Acq: 07 Apr 2025 23:11

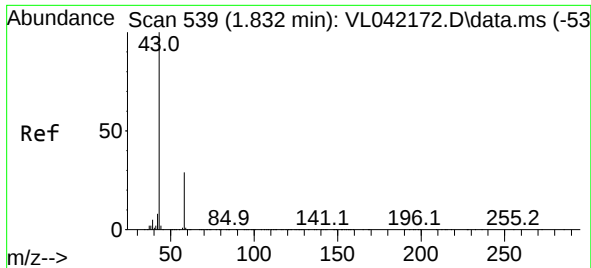
Tgt Ion: 45 Resp: 119629

Ion Ratio Lower Upper

45 100

46 0.0 20.2 80.8#

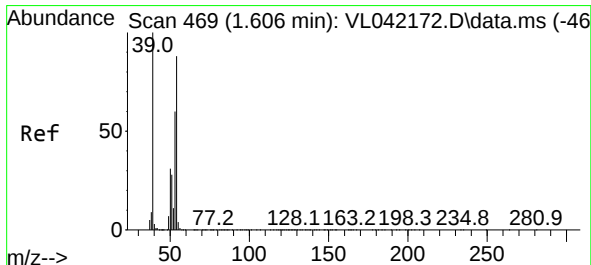
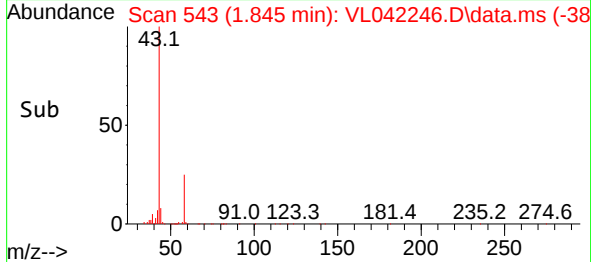
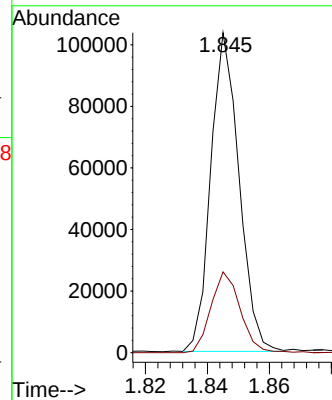
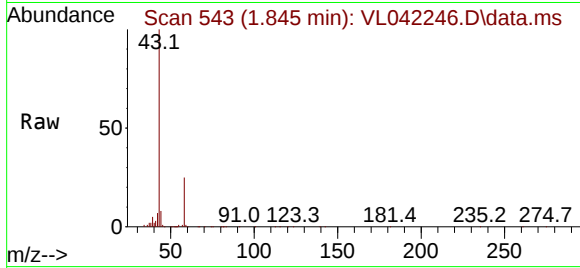




#15
Acetone
Concen: 2.472 ppbv
RT: 1.845 min Scan# 541
Delta R.T. 0.013 min
Lab File: VL042246.D
Acq: 07 Apr 2025 23:11

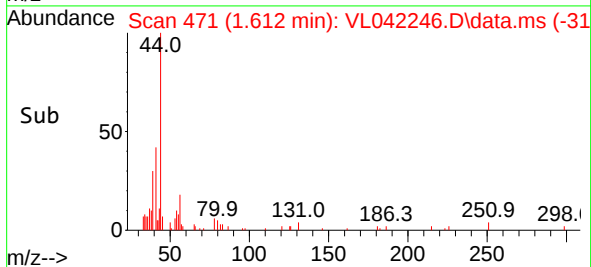
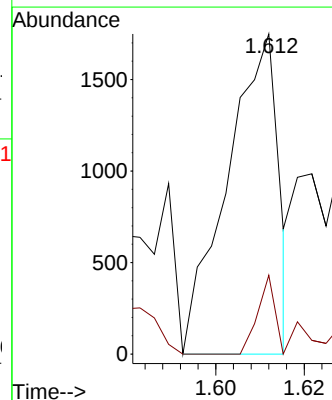
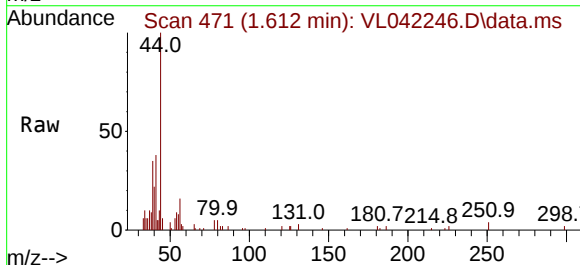
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

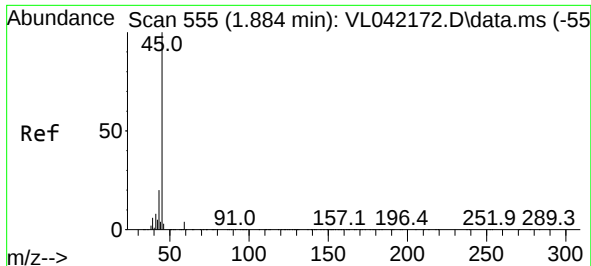
Tgt Ion: 43 Resp: 65524
Ion Ratio Lower Upper
43 100
58 26.3 23.2 34.8



#16
1,3-Butadiene
Concen: 0.109 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042246.D
Acq: 07 Apr 2025 23:11

Tgt Ion: 39 Resp: 1413
Ion Ratio Lower Upper
39 100
54 22.1 60.7 91.1#





#19

Isopropyl Alcohol

Concen: 7.997 ppbv

RT: 1.897 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL042246.D

Acq: 07 Apr 2025 23:11

Instrument :

MSVOA_L

ClientSampleId :

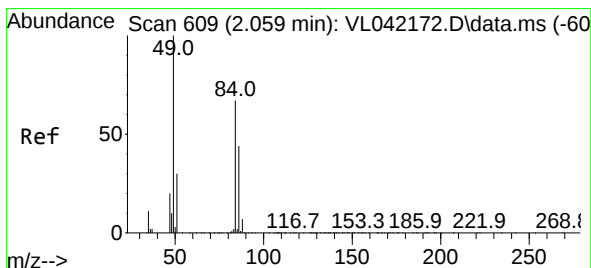
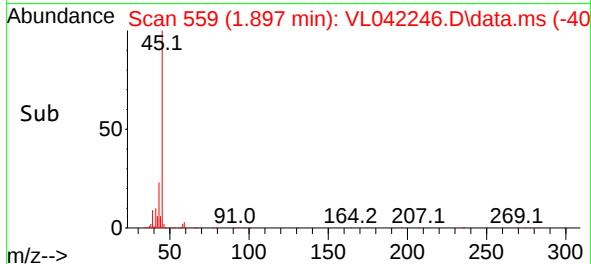
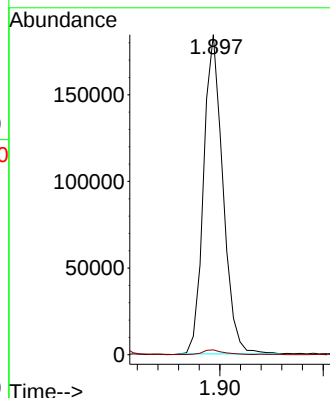
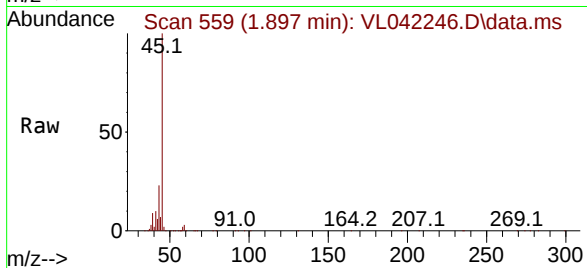
SSSG-B14-3-04012025DL

Tgt Ion: 45 Resp: 119629

Ion Ratio Lower Upper

45 100

58 1.8 36.9 55.3#



#20

Methylene Chloride

Concen: 0.180 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.009 min

Lab File: VL042246.D

Acq: 07 Apr 2025 23:11

Tgt Ion: 84 Resp: 1774

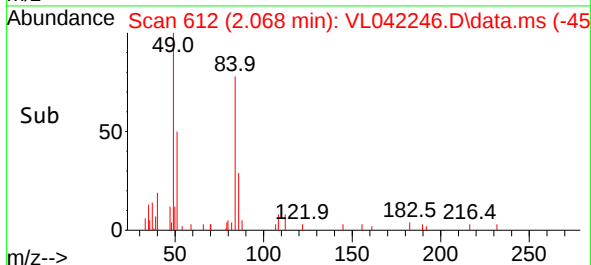
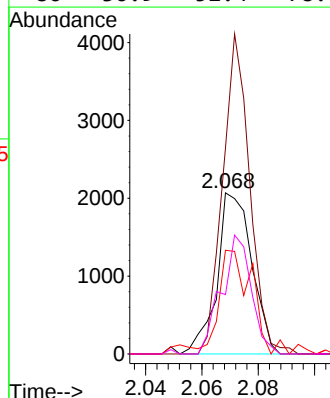
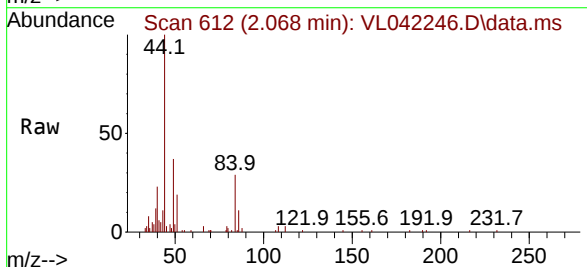
Ion Ratio Lower Upper

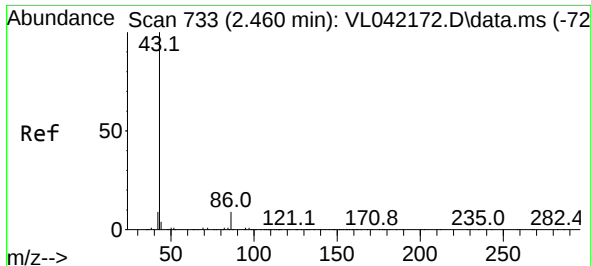
84 100

49 143.0 120.2 180.4

51 58.7 37.4 56.0#

86 36.9 52.4 78.6#

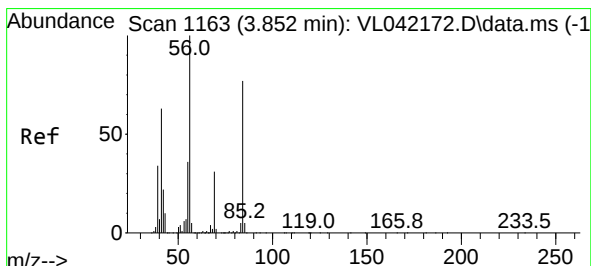
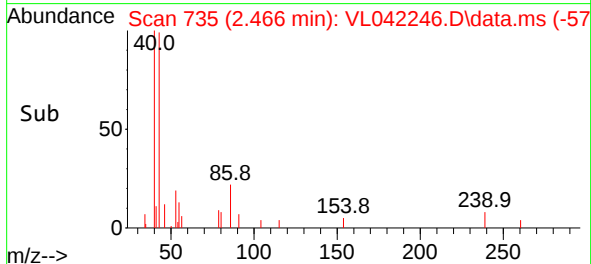
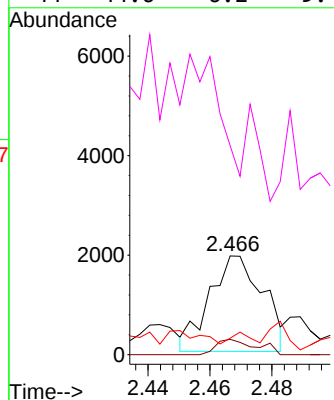
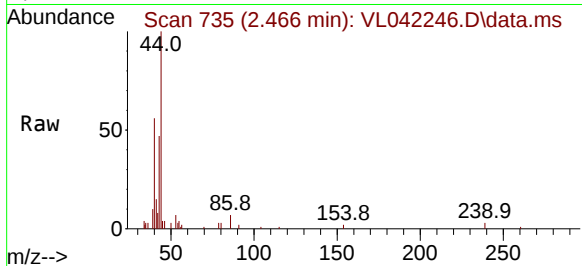




#23
Vinyl Acetate
Concen: 0.200 ppbv
RT: 2.466 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL042246.D
Acq: 07 Apr 2025 23:11

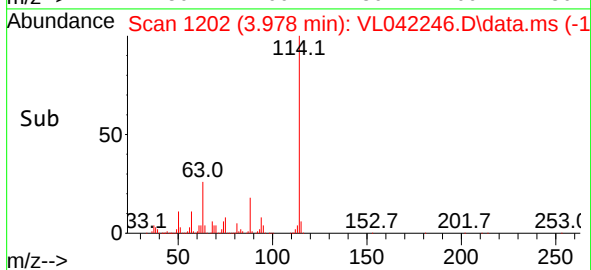
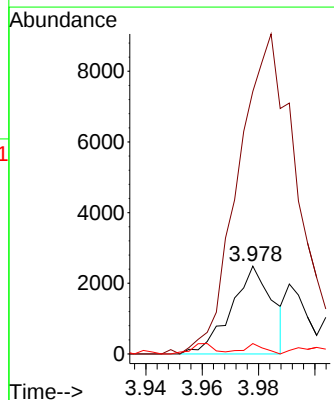
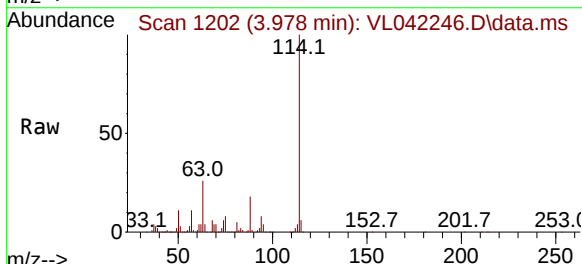
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B14-3-04012025DL

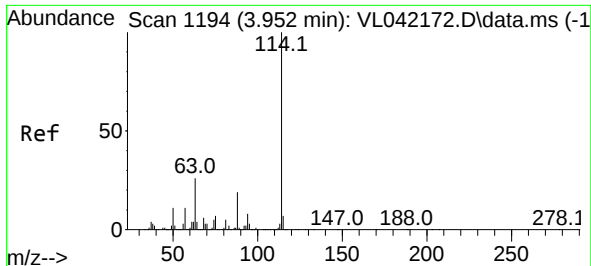
Tgt Ion:	43	Resp:	2297
Ion	Ratio	Lower	Upper
43	100		
86	18.8	5.5	8.3#
42	0.0	8.6	13.0#
44	44.6	6.2	9.4#



#30
Cyclohexane
Concen: 0.109 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.126 min
Lab File: VL042246.D
Acq: 07 Apr 2025 23:11

Tgt Ion:	84	Resp:	2525
Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.8	154.2#
41	21.7	66.5	99.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.984 min Scan# 11

Delta R.T. 0.032 min

Lab File: VL042246.D

Acq: 07 Apr 2025 23:11

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B14-3-04012025DL

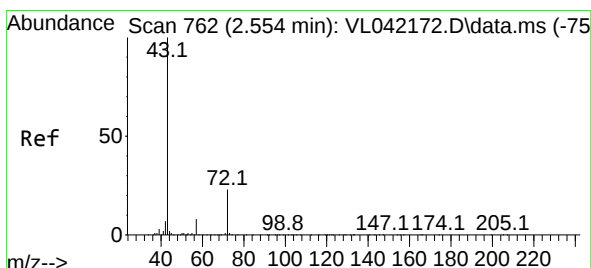
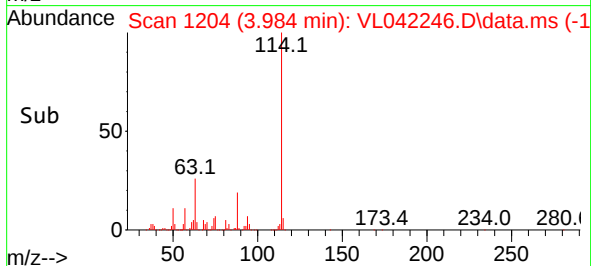
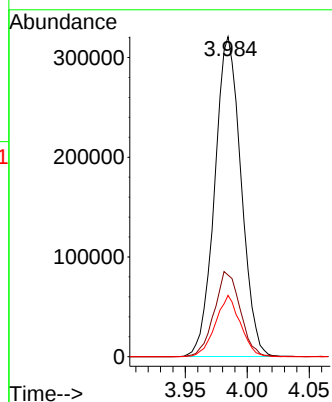
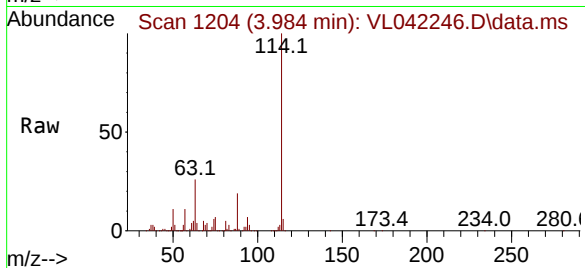
Tgt Ion:114 Resp: 475002

Ion Ratio Lower Upper

114 100

63 26.4 20.7 31.1

88 18.1 15.0 22.4



#34

2-Butanone

Concen: 0.051 ppbv

RT: 2.580 min Scan# 770

Delta R.T. 0.026 min

Lab File: VL042246.D

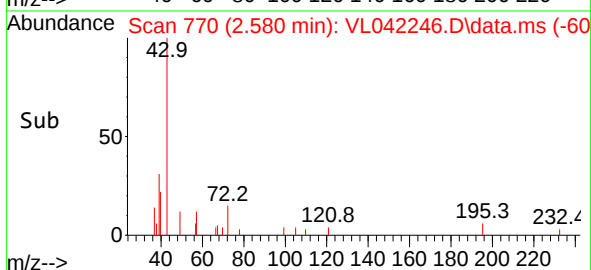
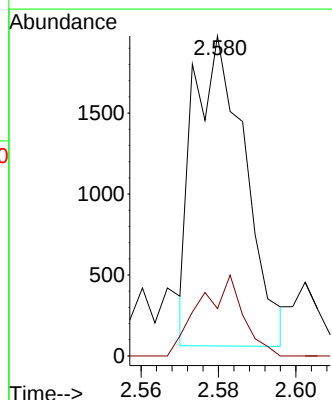
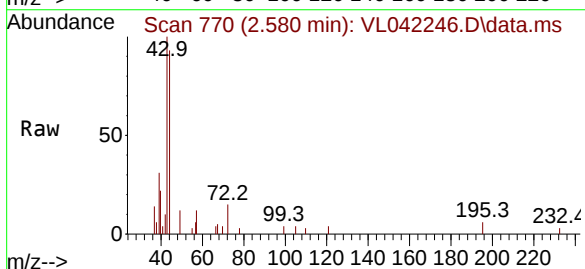
Acq: 07 Apr 2025 23:11

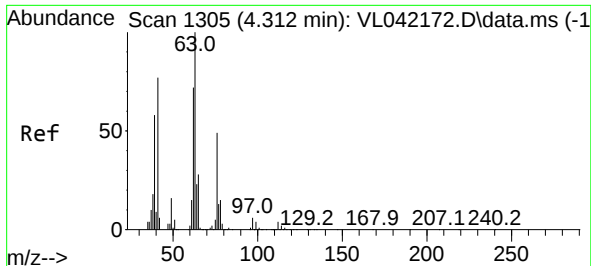
Tgt Ion: 43 Resp: 1768

Ion Ratio Lower Upper

43 100

72 21.9 18.2 27.2





#39

1,2-Dichloropropane

Concen: 7.301 ppbv

RT: 3.981 min Scan# 11

Delta R.T. -0.330 min

Lab File: VL042246.D

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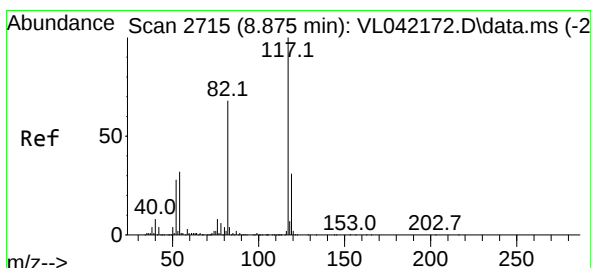
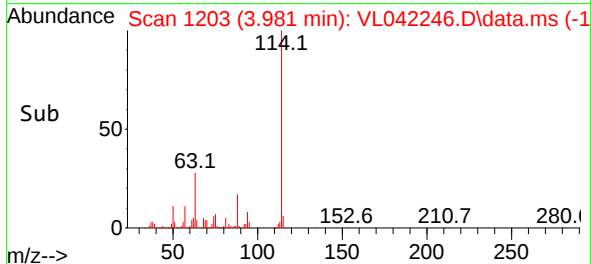
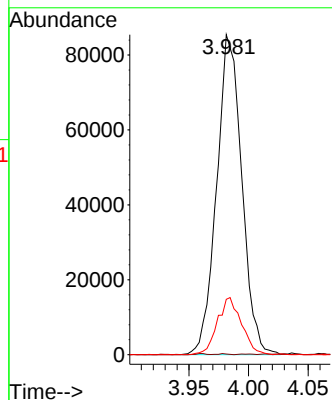
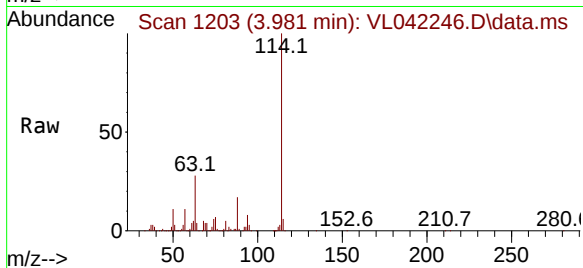
Tgt Ion: 63 Resp: 125207

Ion Ratio Lower Upper

63 100

41 0.1 61.7 92.5#

62 17.3 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 2724

Delta R.T. 0.029 min

Lab File: VL042246.D

Acq: 07 Apr 2025 23:11

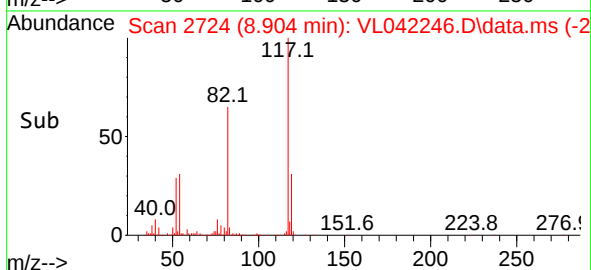
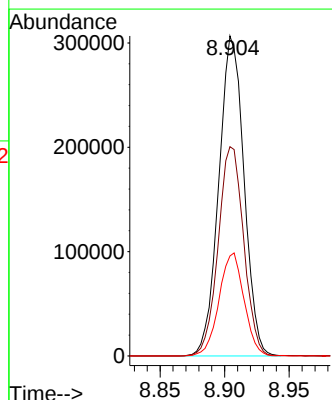
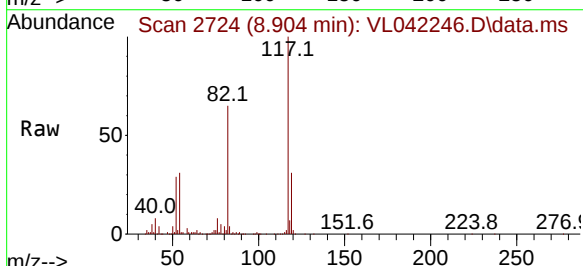
Tgt Ion: 117 Resp: 416393

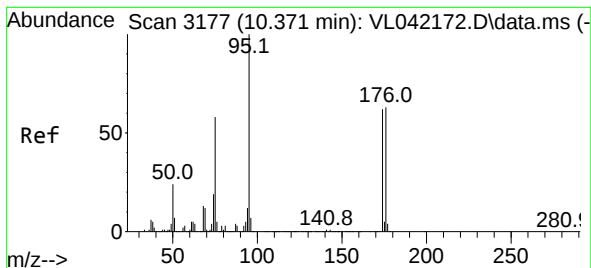
Ion Ratio Lower Upper

117 100

82 66.2 55.8 83.6

119 31.9 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.468 ppbv

RT: 10.396 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL042246.D

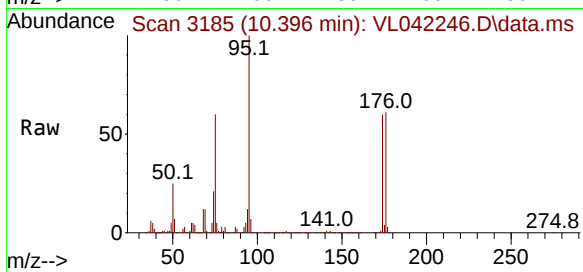
Acq: 07 Apr 2025 23:11

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ClientSampleId :

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Tgt Ion: 95 Resp: 323769

Ion Ratio Lower Upper

95 100

174 60.0 50.6 76.0

175 4.4 3.8 5.6

