

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042268.D
 Acq On : 08 Apr 2025 17:29
 Operator : SY/MD
 Sample : Q1728-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-5-04012025

Quant Time: Apr 09 01:58:19 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)

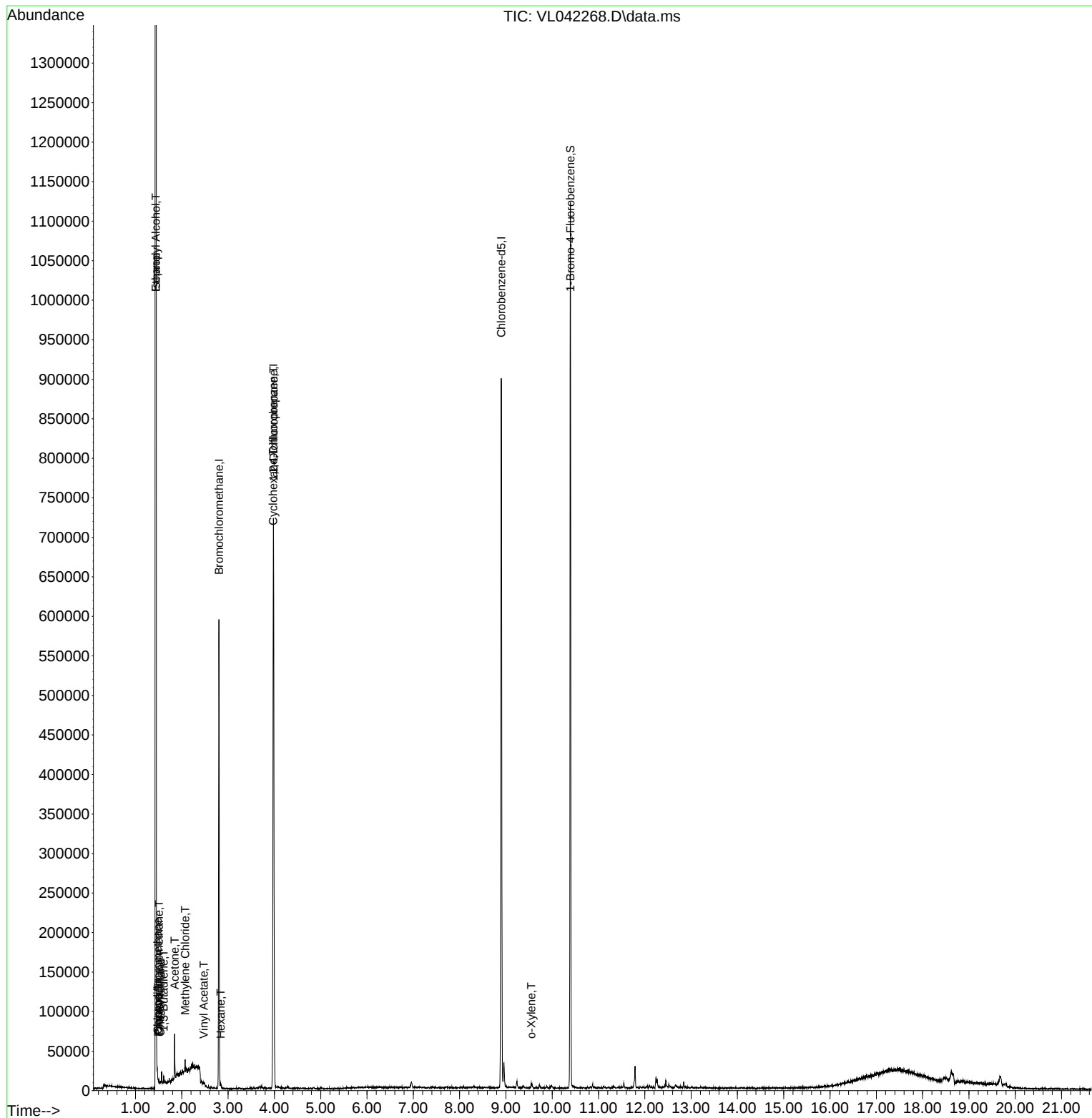
Internal Standards						
1) Bromochloromethane	2.803	49	159223	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	415413	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	363444	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	275901	9.244	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	1198	0.051	ppbv	92
3) Chlorodifluoromethane	1.483	51	1421	0.059	ppbv #	73
4) Chloromethane	1.538	50	348	0.036	ppbv #	42
9) Propene	1.492	41	560	0.051	ppbv	88
13) Ethanol	1.441	45	199544	191.756	ppbv #	10
15) Acetone	1.845	43	21955	0.986	ppbv	97
16) 1,3-Butadiene	1.609	39	1361	0.125	ppbv #	29
19) Isopropyl Alcohol	1.441	45	199544	15.882	ppbv #	30
20) Methylene Chloride	2.072	84	2465	0.297	ppbv #	81
23) Vinyl Acetate	2.476	43	723	0.075	ppbv #	1
26) Hexane	2.842	57	894	0.040	ppbv #	39
30) Cyclohexane	3.975	84	1385	0.071	ppbv #	1
39) 1,2-Dichloropropane	3.981	63	107714	7.182	ppbv #	23
60) o-Xylene	9.548	91	3045	0.059	ppbv	68

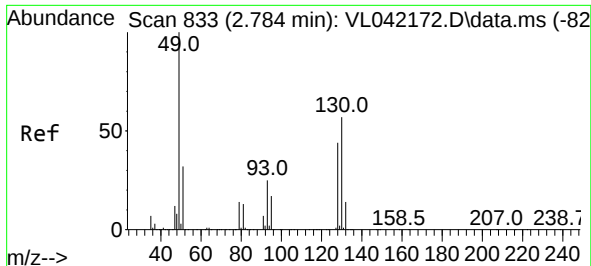
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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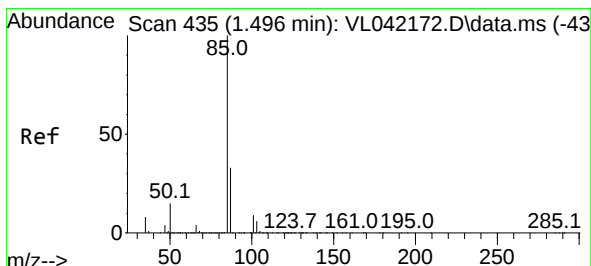
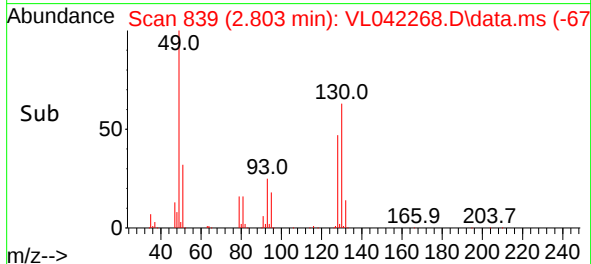
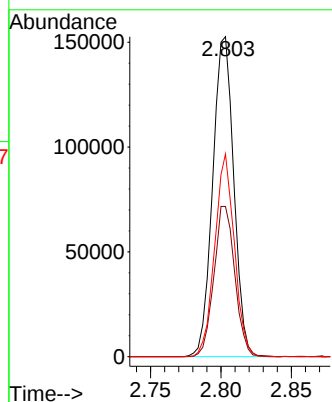
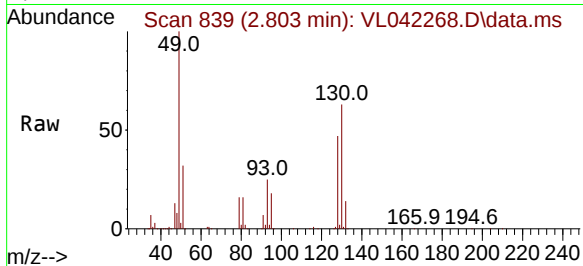




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

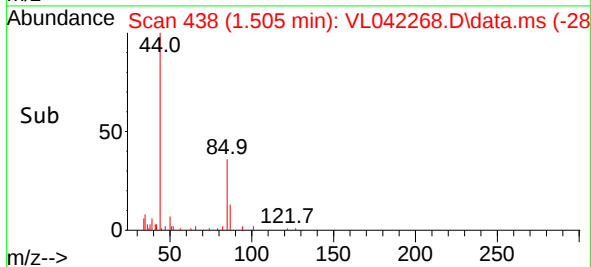
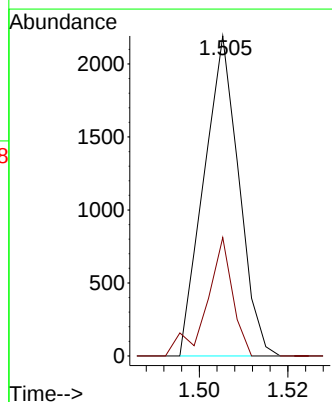
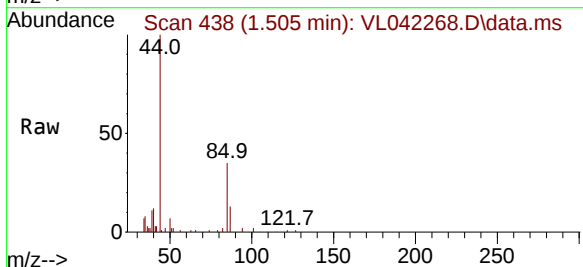
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

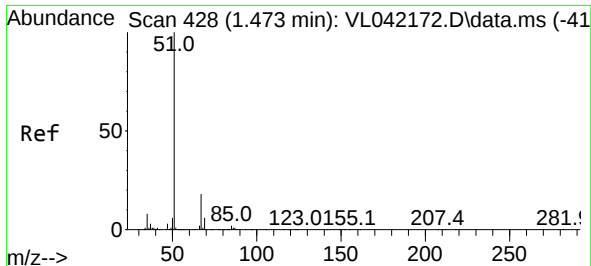
Tgt Ion: 49 Resp: 159223
Ion Ratio Lower Upper
49 100
128 46.6 22.9 68.5
130 59.1 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

Tgt Ion: 85 Resp: 1198
Ion Ratio Lower Upper
85 100
87 37.0 26.1 39.1

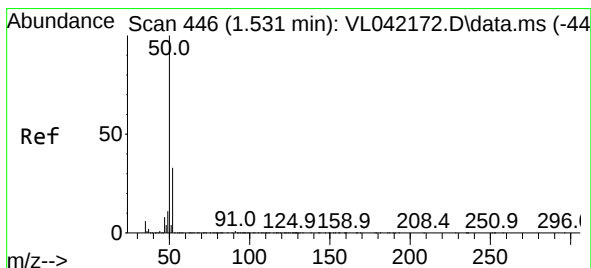
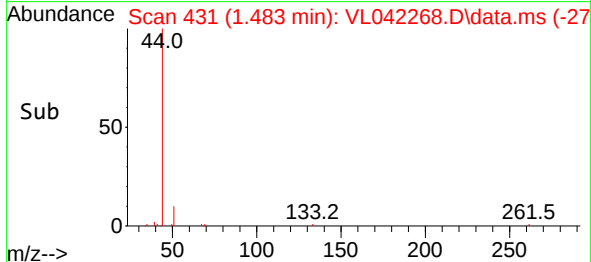
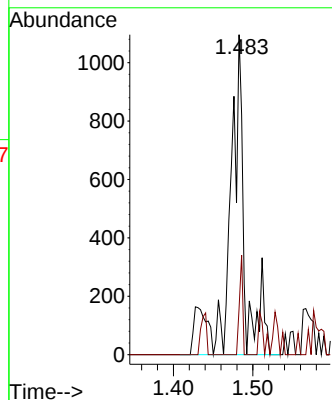
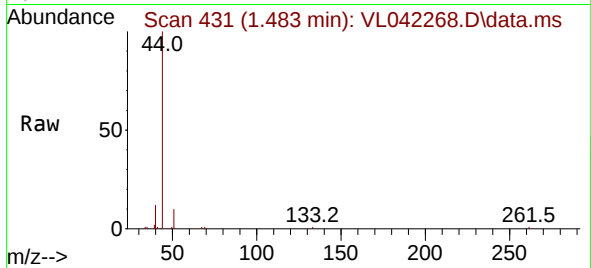




#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

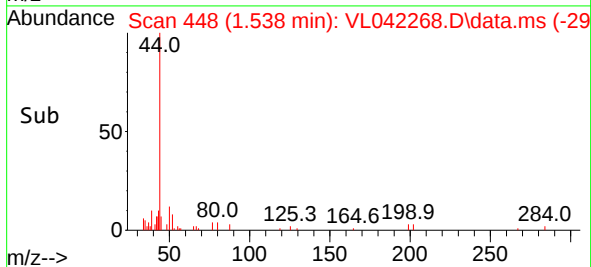
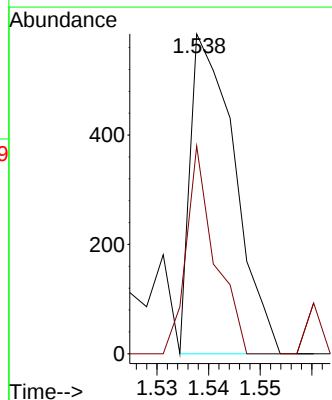
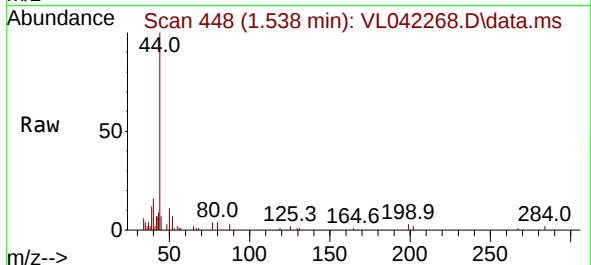
Instrument :
MSVOA_L
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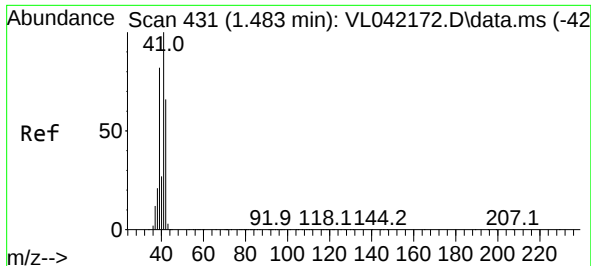
Tgt Ion: 51 Resp: 1421
Ion Ratio Lower Upper
51 100
67 6.8 15.0 22.6#



#4
Chloromethane
Concen: 0.036 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

Tgt Ion: 50 Resp: 348
Ion Ratio Lower Upper
50 100
52 65.0 26.1 39.1#

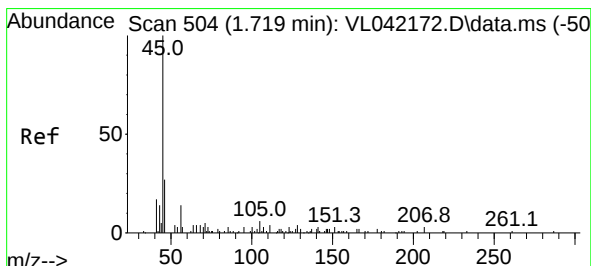
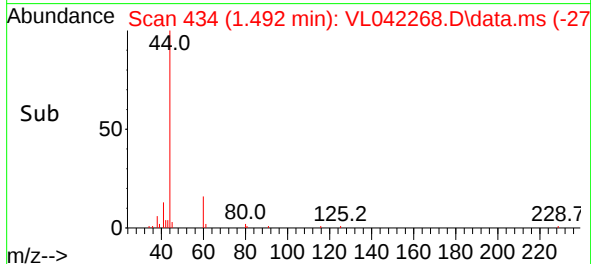
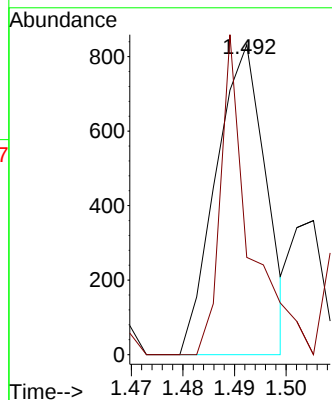
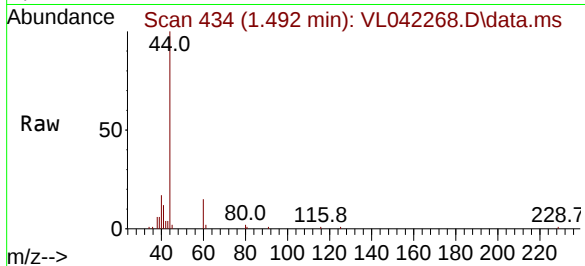




#9
Propene
Concen: 0.051 ppbv
RT: 1.492 min Scan# 418
Delta R.T. 0.010 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

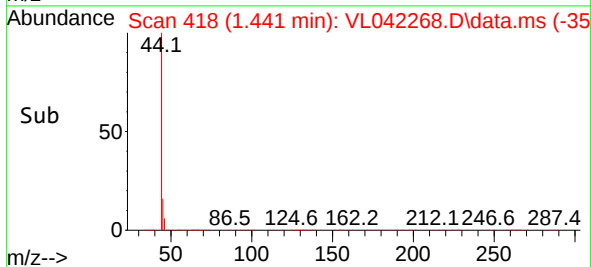
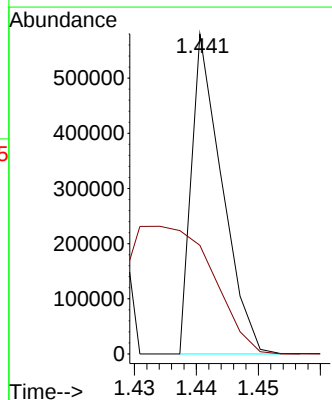
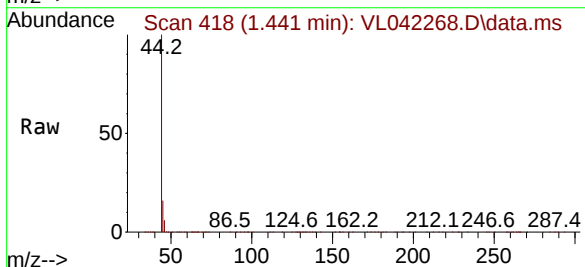
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

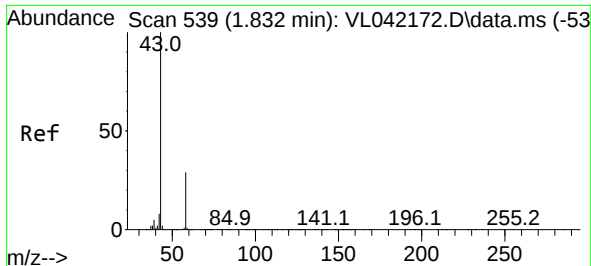
Tgt Ion: 41 Resp: 560
Ion Ratio Lower Upper
41 100
42 59.8 55.4 83.2



#13
Ethanol
Concen: 191.756 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.279 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

Tgt Ion: 45 Resp: 199544
Ion Ratio Lower Upper
45 100
46 113.0 20.2 80.8#





#15

Acetone

Concen: 0.986 ppbv

RT: 1.845 min Scan# 54

Delta R.T. 0.013 min

Lab File: VL042268.D

Acq: 08 Apr 2025 17:29

Instrument :

MSVOA_L

ClientSampleId :

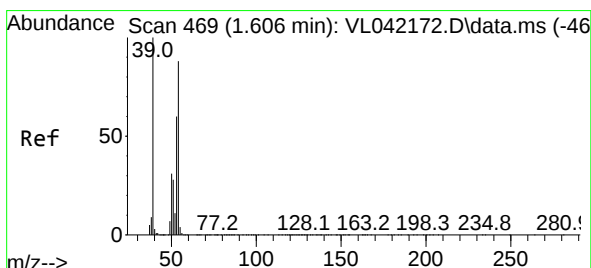
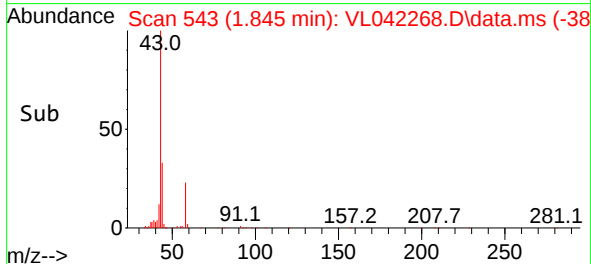
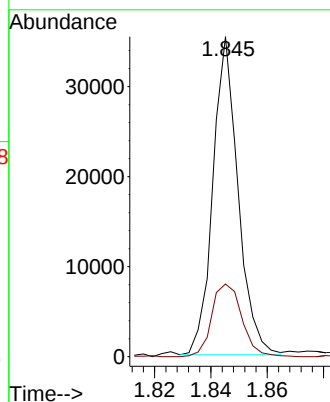
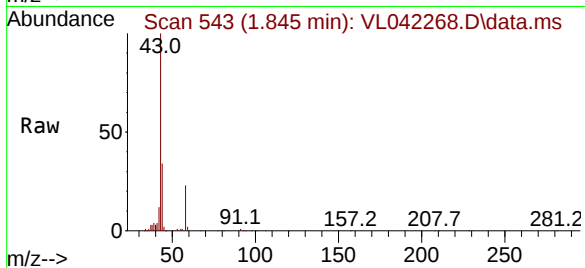
SSSG-B1-5-04012025

Tgt Ion: 43 Resp: 21955

Ion Ratio Lower Upper

43 100

58 27.5 23.2 34.8



#16

1,3-Butadiene

Concen: 0.125 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042268.D

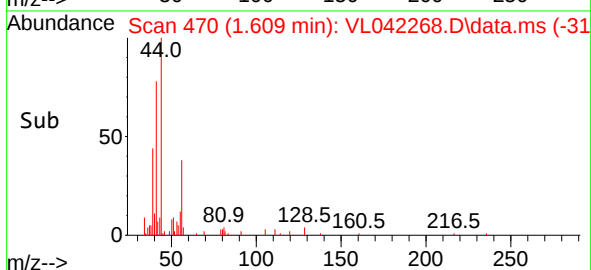
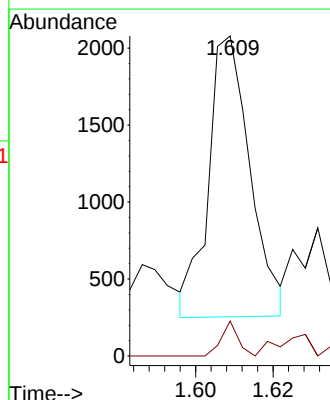
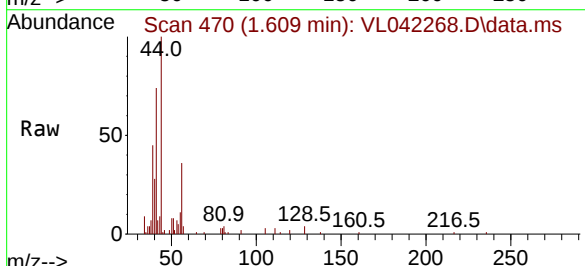
Acq: 08 Apr 2025 17:29

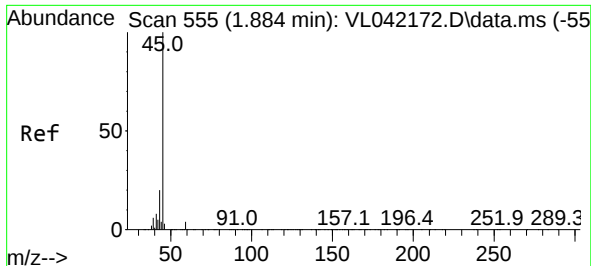
Tgt Ion: 39 Resp: 1361

Ion Ratio Lower Upper

39 100

54 15.4 60.7 91.1#

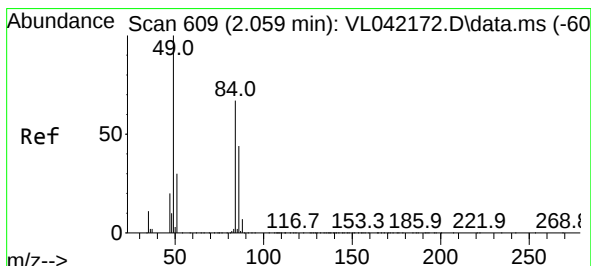
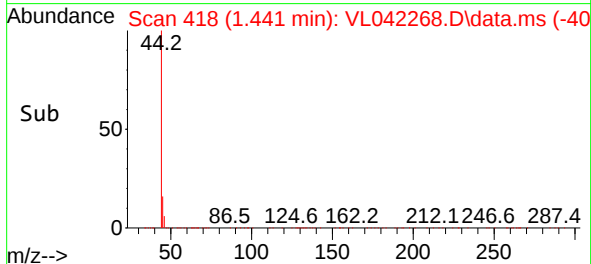
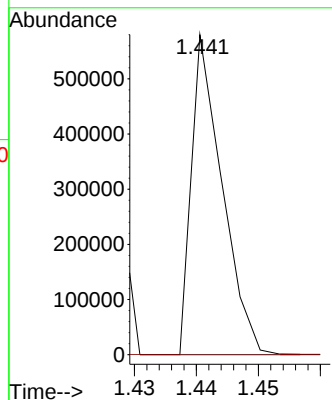
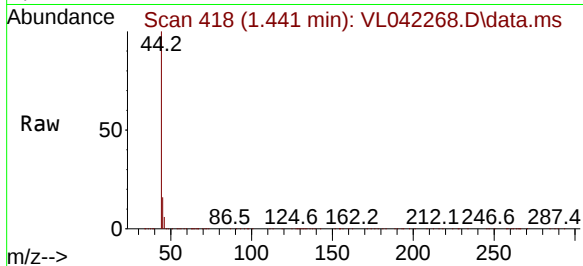




#19
Isopropyl Alcohol
Concen: 15.882 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.444 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

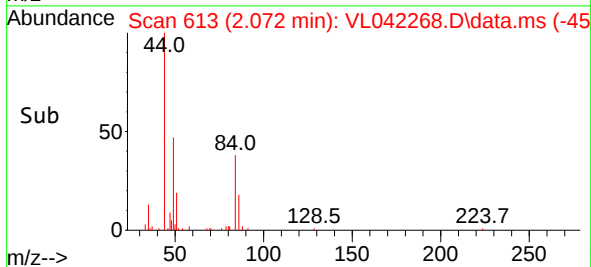
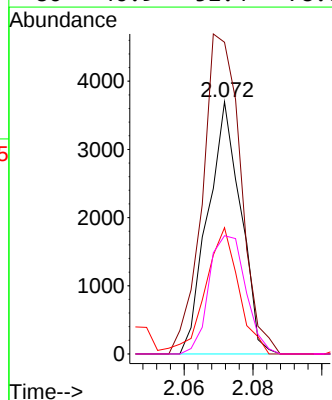
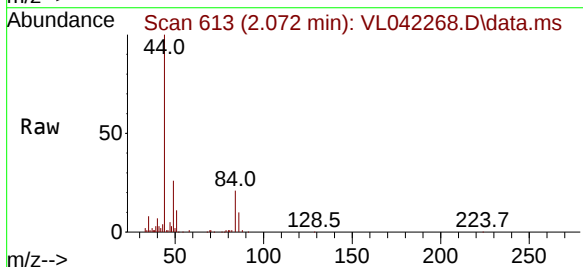
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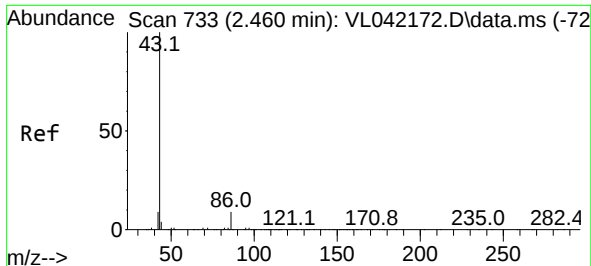
Tgt Ion: 45 Resp: 199544
Ion Ratio Lower Upper
45 100
58 0.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.297 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

Tgt Ion: 84 Resp: 2465
Ion Ratio Lower Upper
84 100
49 123.6 120.2 180.4
51 51.9 37.4 56.0
86 46.9 52.4 78.6#

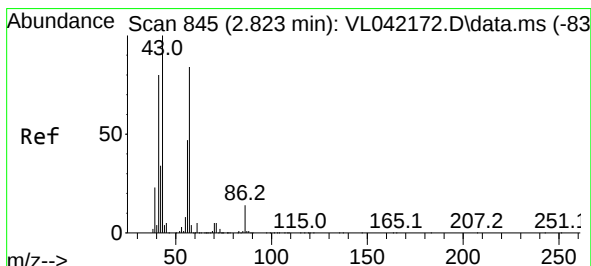
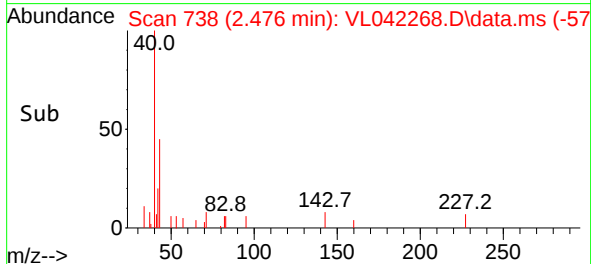
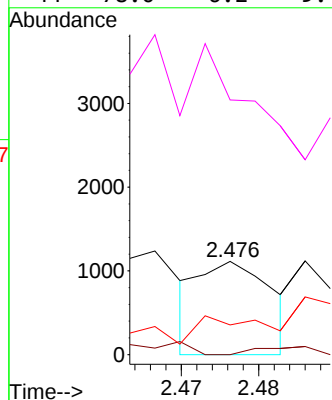
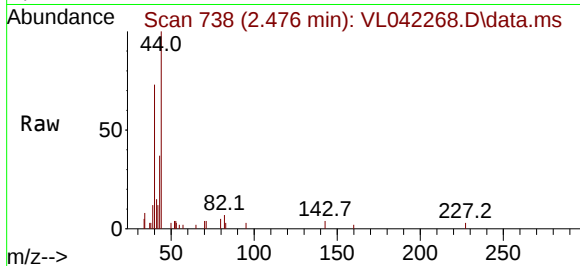




#23
 Vinyl Acetate
 Concen: 0.075 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL042268.D
 Acq: 08 Apr 2025 17:29

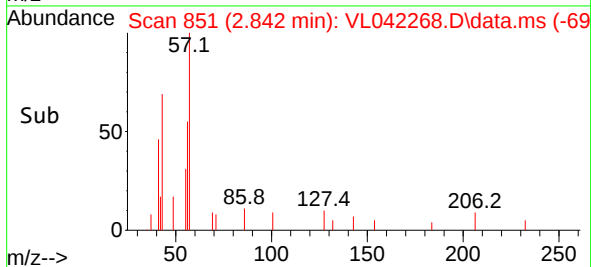
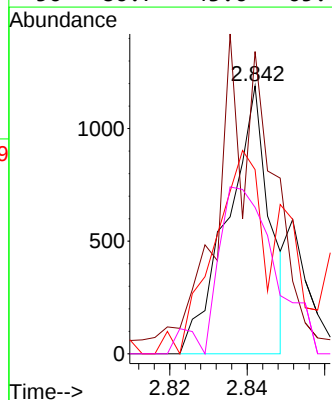
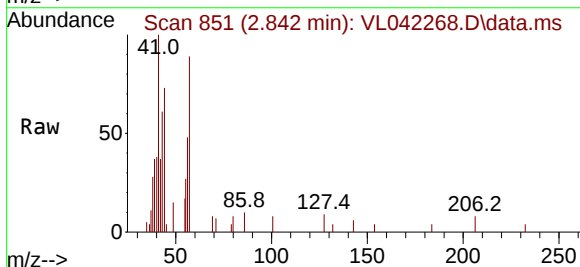
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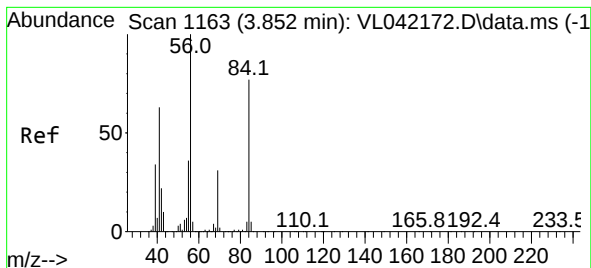
Tgt Ion:	43	Resp:	723
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	58.3	8.6	13.0#
44	78.0	6.2	9.4#



#26
 Hexane
 Concen: 0.040 ppbv
 RT: 2.842 min Scan# 851
 Delta R.T. 0.019 min
 Lab File: VL042268.D
 Acq: 08 Apr 2025 17:29

Tgt Ion:	57	Resp:	894
Ion	Ratio	Lower	Upper
57	100		
41	163.9	76.6	114.8#
43	149.1	207.8	311.8#
56	86.7	43.6	65.4#





#30

Cyclohexane

Concen: 0.071 ppbv

RT: 3.975 min Scan# 1163

Delta R.T. 0.123 min

Lab File: VL042268.D

Acq: 08 Apr 2025 17:29

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B1-5-04012025

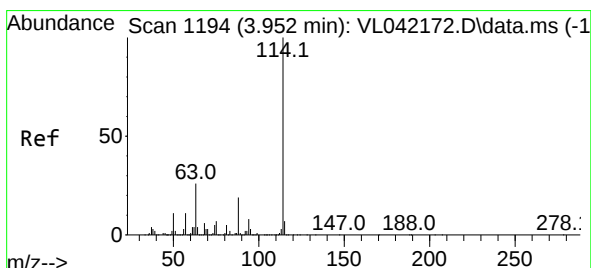
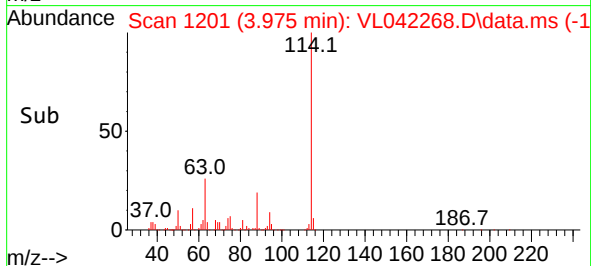
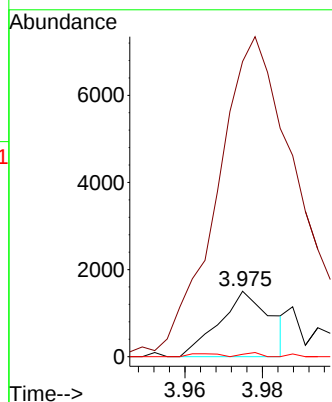
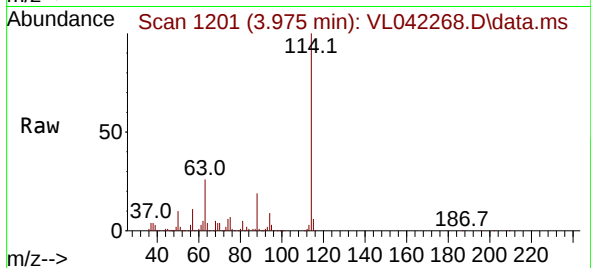
Tgt Ion: 84 Resp: 1385

Ion Ratio Lower Upper

84 100

56 783.9 102.8 154.2#

41 5.7 66.5 99.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1202

Delta R.T. 0.026 min

Lab File: VL042268.D

Acq: 08 Apr 2025 17:29

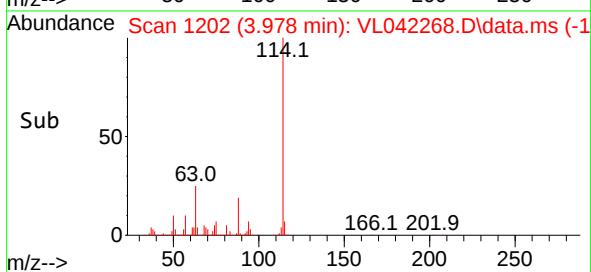
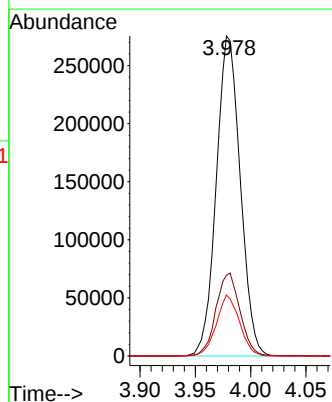
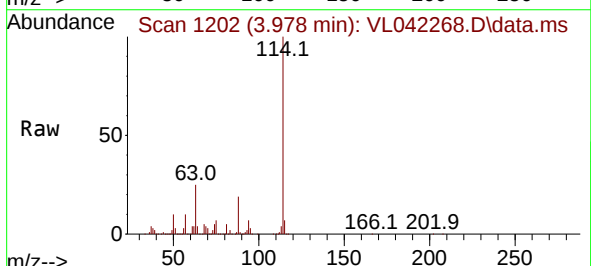
Tgt Ion: 114 Resp: 415413

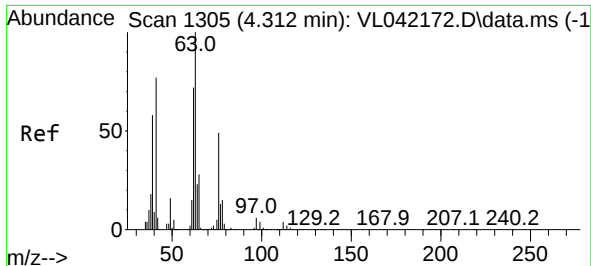
Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 18.3 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.182 ppbv

RT: 3.981 min Scan# 11

Delta R.T. -0.330 min

Lab File: VL042268.D

Acq: 08 Apr 2025 17:29

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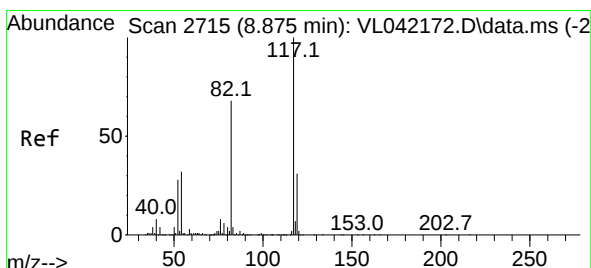
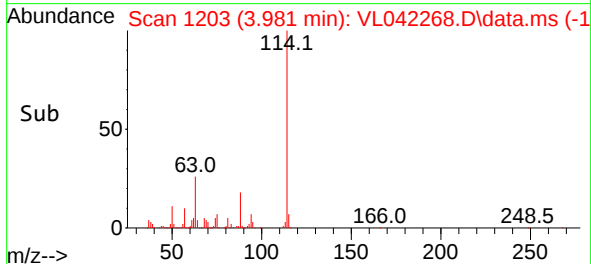
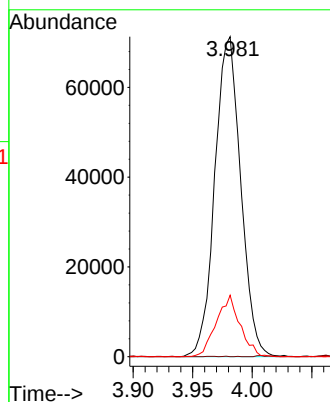
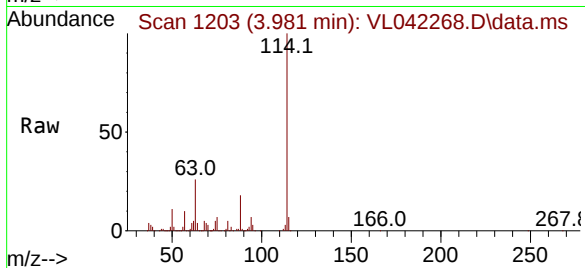
Tgt Ion: 63 Resp: 107714

Ion Ratio Lower Upper

63 100

41 0.0 61.7 92.5#

62 19.2 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2723

Delta R.T. 0.026 min

Lab File: VL042268.D

Acq: 08 Apr 2025 17:29

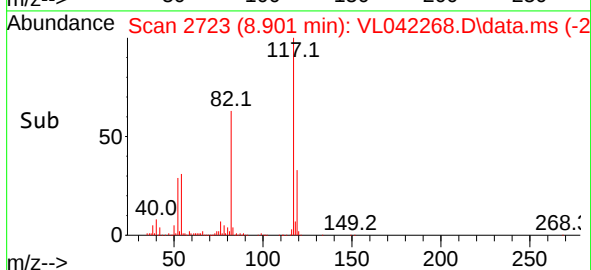
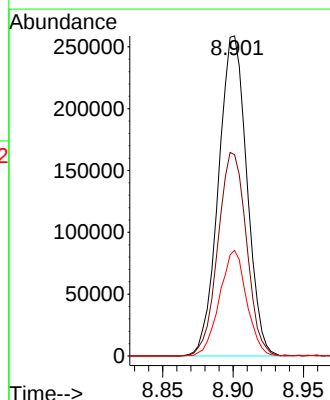
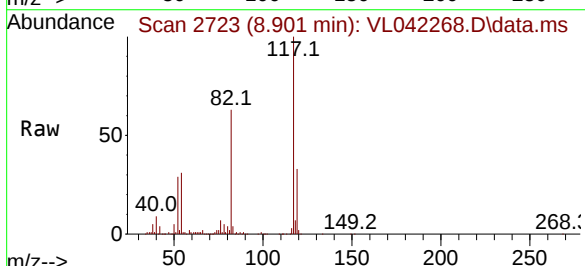
Tgt Ion: 117 Resp: 363444

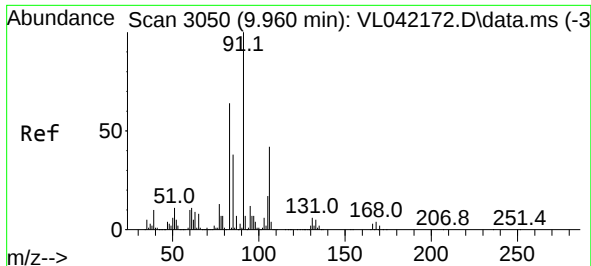
Ion Ratio Lower Upper

117 100

82 64.0 55.8 83.6

119 31.7 25.5 38.3

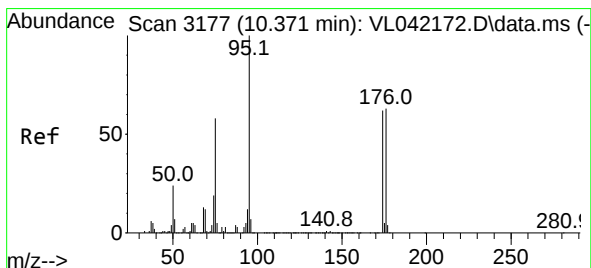
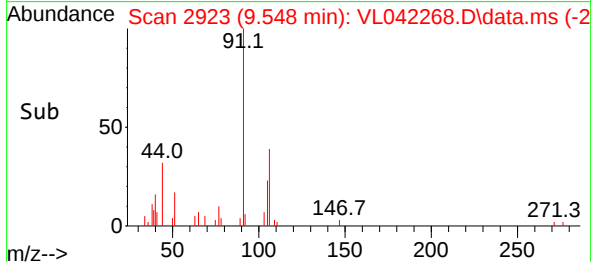
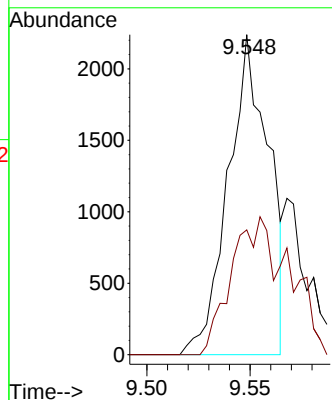
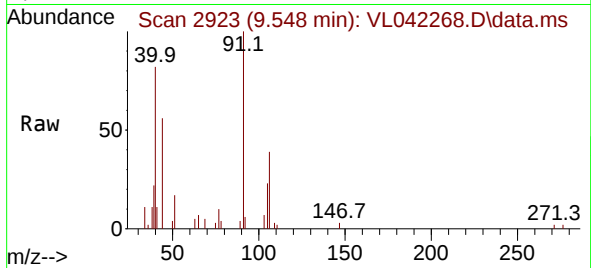




#60
o-Xylene
Concen: 0.059 ppbv
RT: 9.548 min Scan# 291
Delta R.T. -0.411 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

Tgt Ion: 91 Resp: 3045
Ion Ratio Lower Upper
91 100
106 61.7 20.8 62.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.244 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.022 min
Lab File: VL042268.D
Acq: 08 Apr 2025 17:29

Tgt Ion: 95 Resp: 275901
Ion Ratio Lower Upper
95 100
174 61.0 50.6 76.0
175 4.6 3.8 5.6

