

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042238.D
 Acq On : 07 Apr 2025 18:46
 Operator : SY/MD
 Sample : Q1725-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-DUP-2-04012025DL

Quant Time: Apr 08 01:34:03 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)

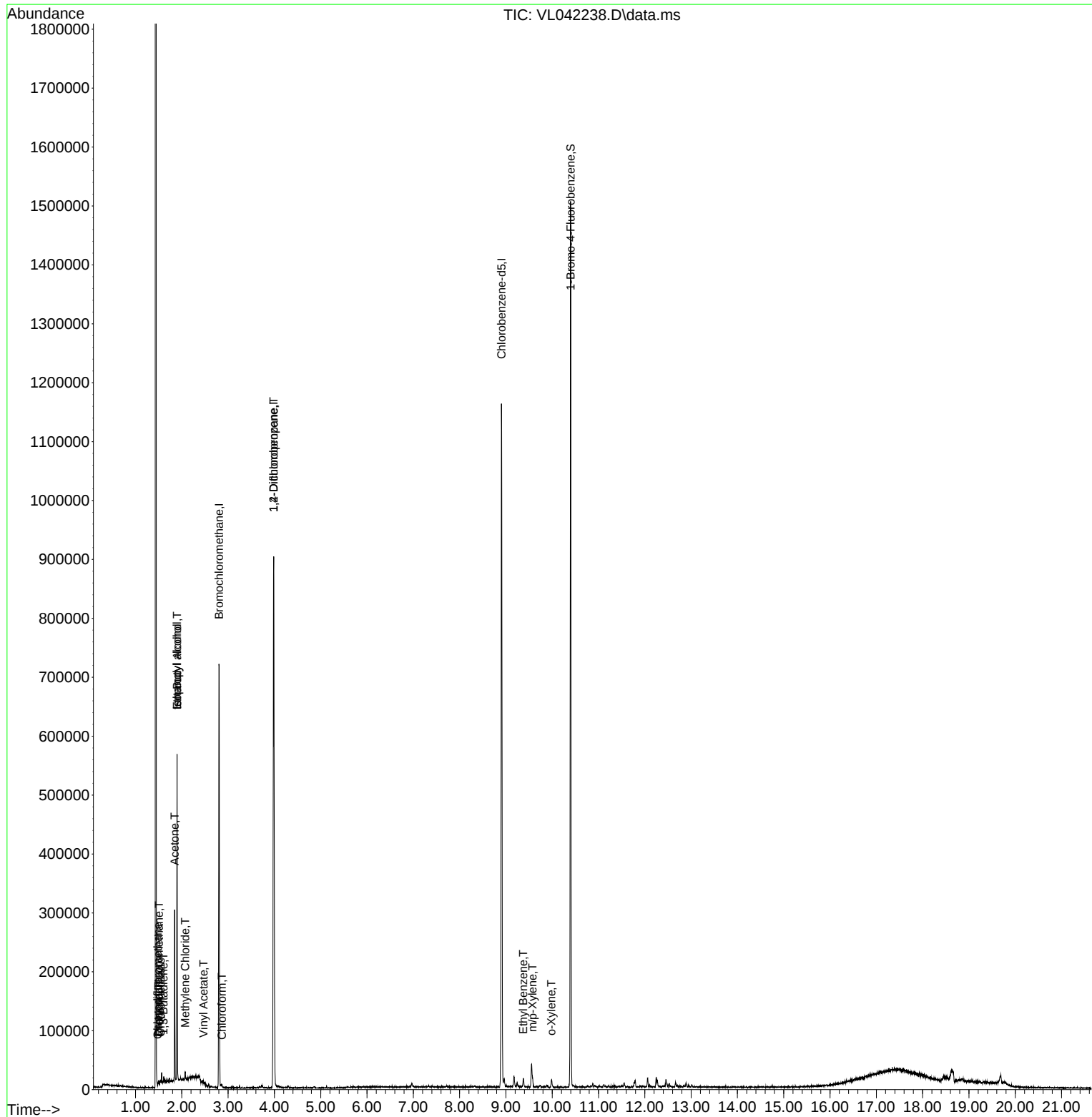
Internal Standards						
1) Bromochloromethane	2.803	49	200446	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	518231	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	450849	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	356358	9.625	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.509	85	1346	0.045	ppbv #	85
3) Chlorodifluoromethane	1.483	51	1698	0.056	ppbv #	76
4) Chloromethane	1.544	50	653	0.054	ppbv #	88
9) Propene	1.496	41	869	0.063	ppbv	92
13) Ethanol	1.897	45	221838	169.338	ppbv #	31
15) Acetone	1.845	43	119931	4.278	ppbv	95
16) 1,3-Butadiene	1.606	39	942	0.069	ppbv #	40
17) tert-Butyl alcohol	1.897	59	8003	0.229	ppbv	99
19) Isopropyl Alcohol	1.897	45	221838	14.025	ppbv #	32
20) Methylene Chloride	2.075	84	2236	0.214	ppbv	92
23) Vinyl Acetate	2.470	43	1613	0.133	ppbv #	87
29) Chloroform	2.868	83	1665	0.040	ppbv #	82
39) 1,2-Dichloropropane	3.985	63	134452	7.186	ppbv #	22
58) Ethyl Benzene	9.374	91	7534	0.094	ppbv #	82
59) m/p-Xylene	9.574	91	3938	0.062	ppbv #	31
60) o-Xylene	9.982	91	4985	0.078	ppbv	80

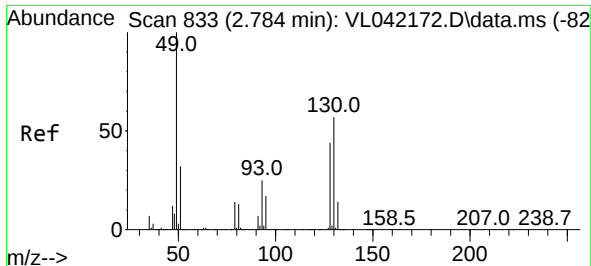
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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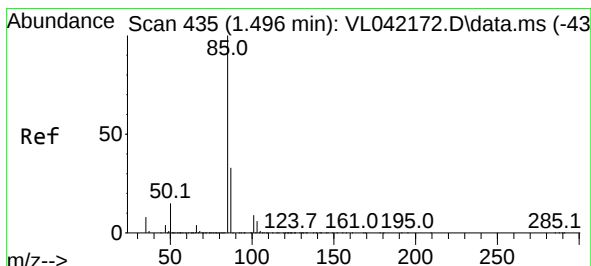
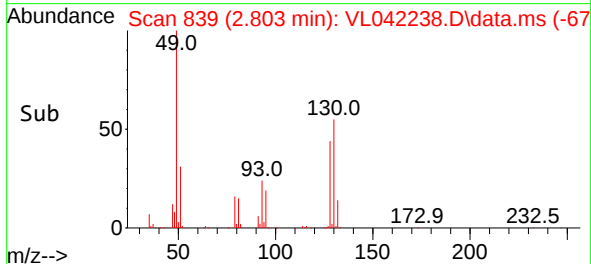
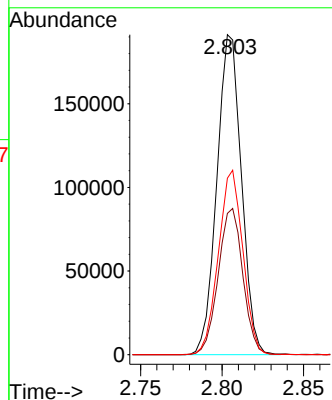
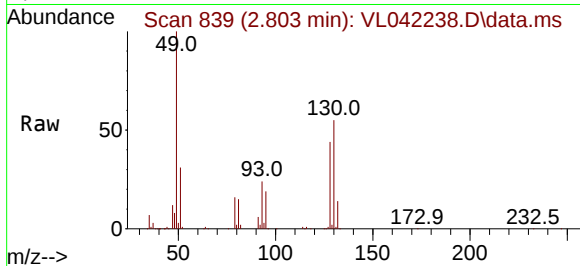




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

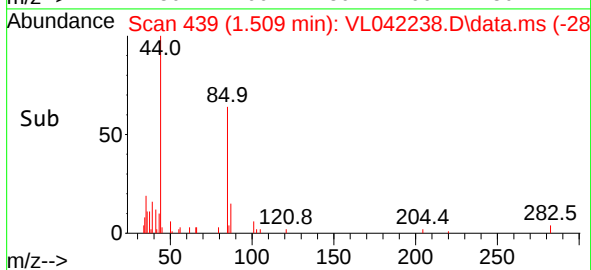
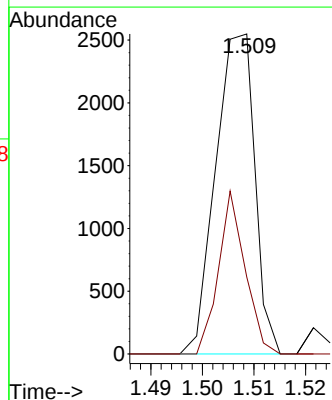
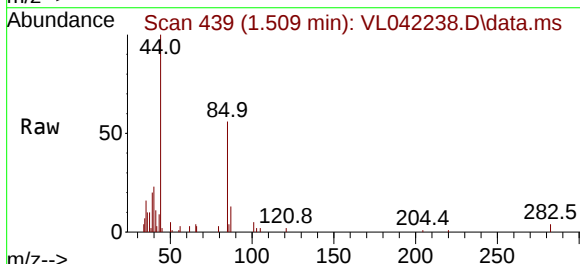
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 49 Resp: 200446
Ion Ratio Lower Upper
49 100
128 45.9 22.9 68.5
130 57.5 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 0.045 ppbv
RT: 1.509 min Scan# 439
Delta R.T. 0.013 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Tgt Ion: 85 Resp: 1346
Ion Ratio Lower Upper
85 100
87 24.1 26.1 39.1#

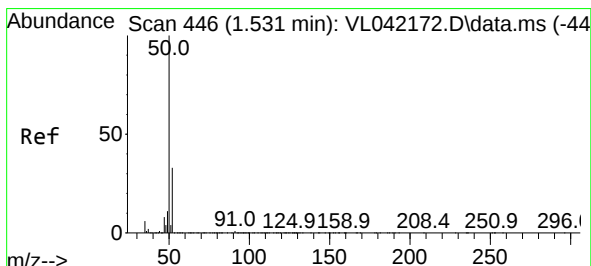
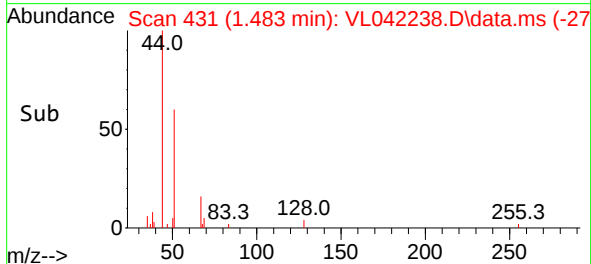
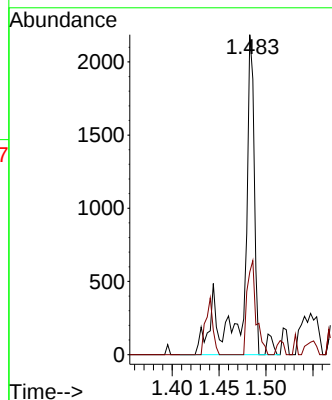
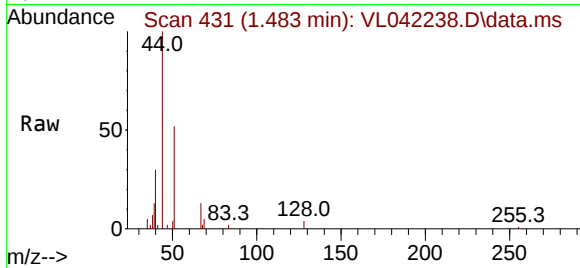




#3
Chlorodifluoromethane
Concen: 0.056 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

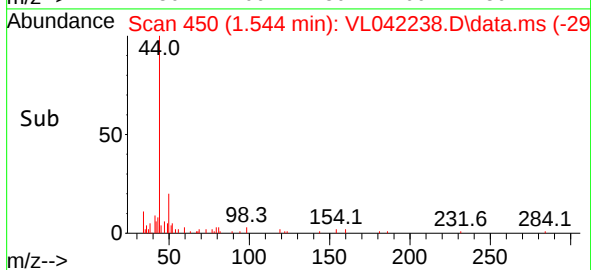
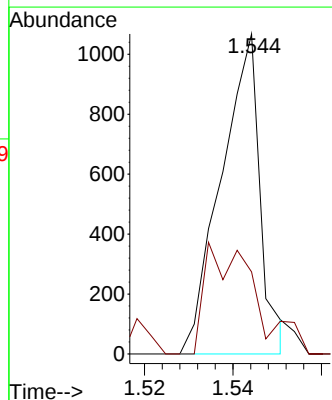
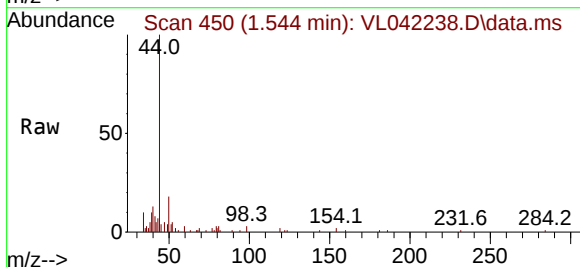
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

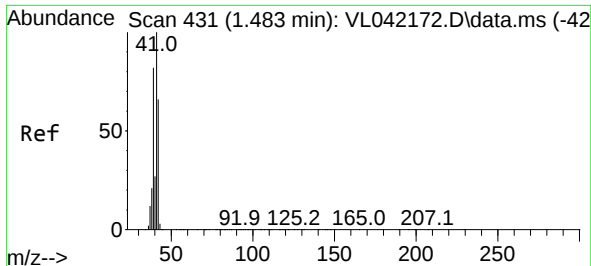
Tgt Ion: 51 Resp: 1698
Ion Ratio Lower Upper
51 100
67 29.5 15.0 22.6#



#4
Chloromethane
Concen: 0.054 ppbv
RT: 1.544 min Scan# 450
Delta R.T. 0.013 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Tgt Ion: 50 Resp: 653
Ion Ratio Lower Upper
50 100
52 25.7 26.1 39.1#





#9

Propene

Concen: 0.063 ppbv

RT: 1.496 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042238.D

Acq: 07 Apr 2025 18:46

Instrument :

MSVOA_L

ClientSampleId :

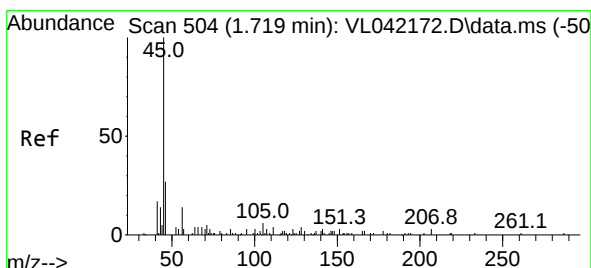
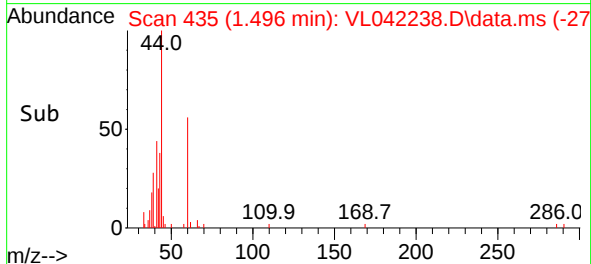
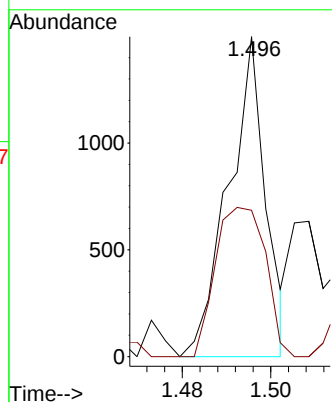
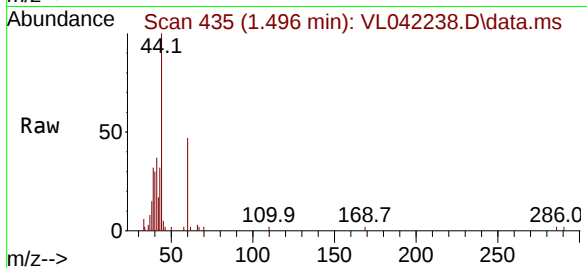
SSSG-DUP-2-04012025DL

Tgt Ion: 41 Resp: 869

Ion Ratio Lower Upper

41 100

42 75.6 55.4 83.2



#13

Ethanol

Concen: 169.338 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.178 min

Lab File: VL042238.D

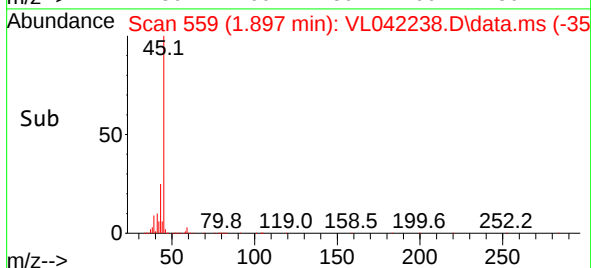
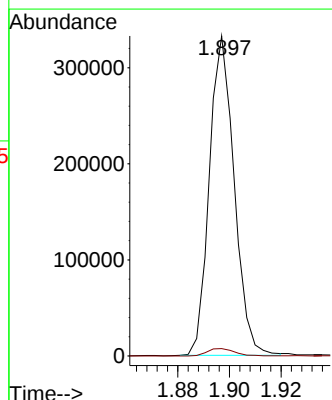
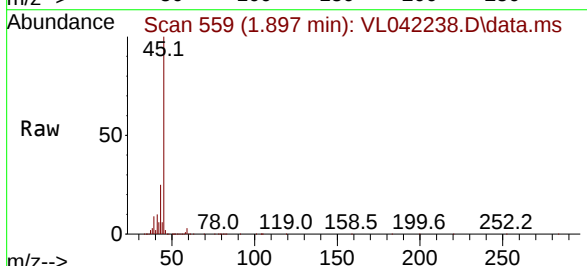
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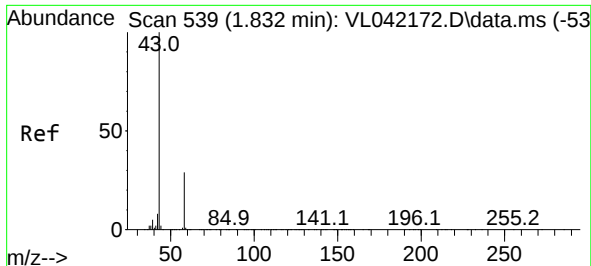
Tgt Ion: 45 Resp: 221838

Ion Ratio Lower Upper

45 100

46 2.7 20.2 80.8#





#15

Acetone

Concen: 4.278 ppbv

RT: 1.845 min Scan# 54

Delta R.T. 0.013 min

Lab File: VL042238.D

Acq: 07 Apr 2025 18:46

Instrument :

MSVOA_L

ClientSampleId :

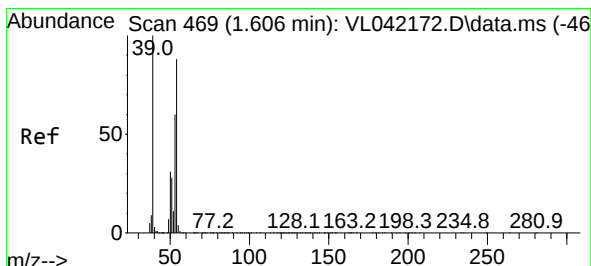
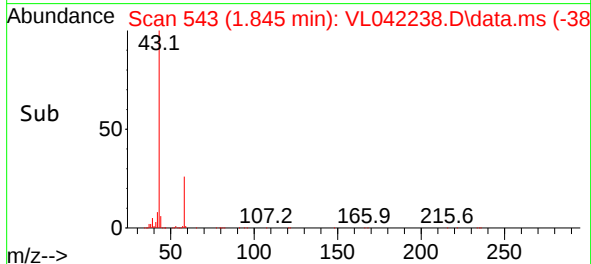
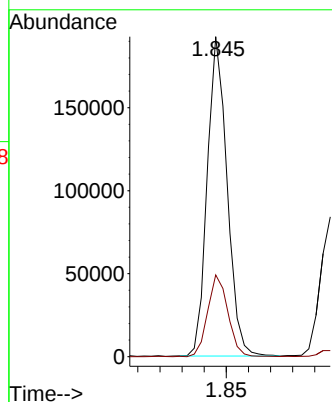
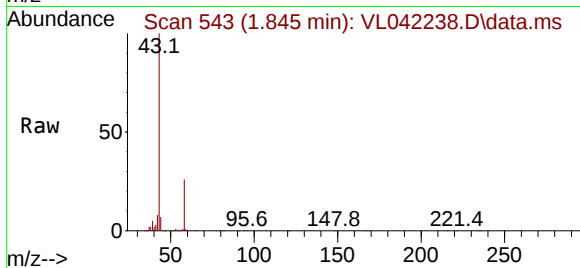
SSSG-DUP-2-04012025DL

Tgt Ion: 43 Resp: 119931

Ion Ratio Lower Upper

43 100

58 26.2 23.2 34.8



#16

1,3-Butadiene

Concen: 0.069 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL042238.D

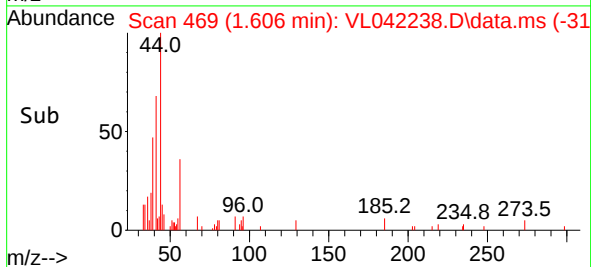
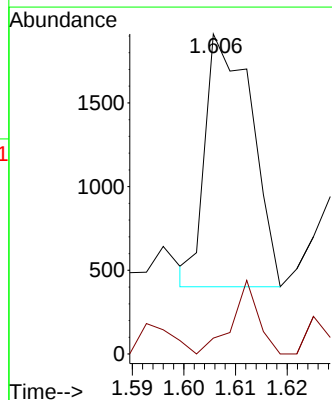
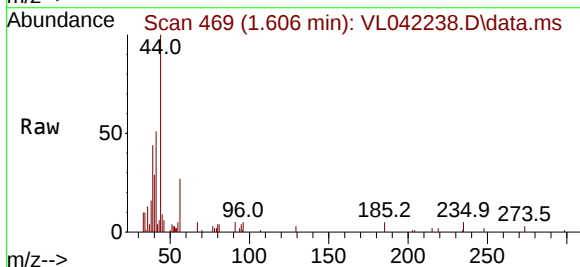
Acq: 07 Apr 2025 18:46

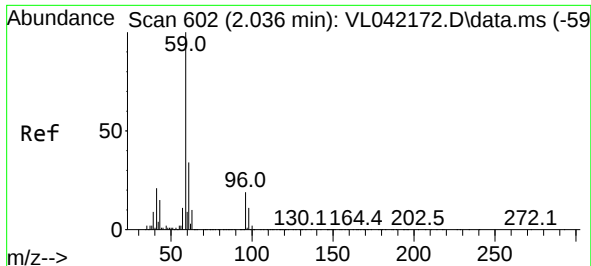
Tgt Ion: 39 Resp: 942

Ion Ratio Lower Upper

39 100

54 24.8 60.7 91.1#

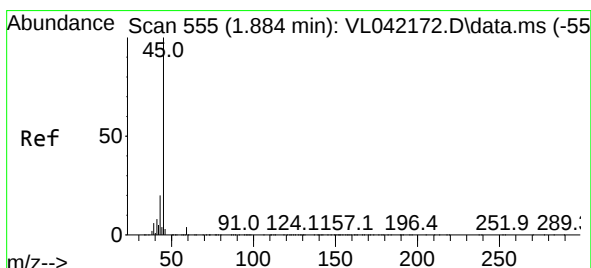
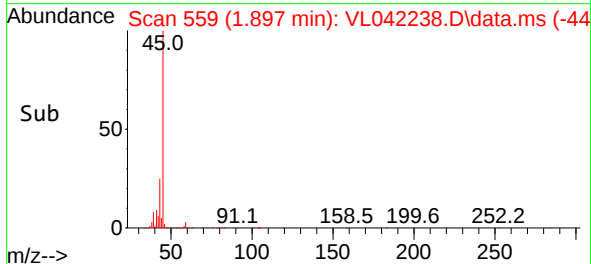
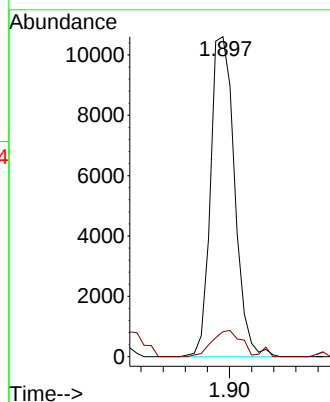
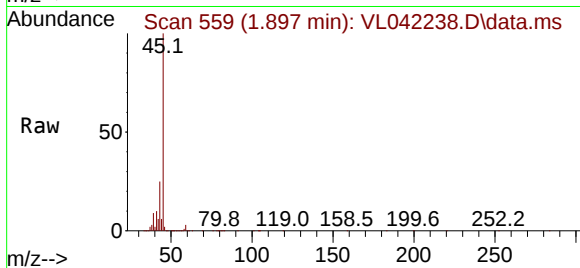




#17
tert-Butyl alcohol
Concen: 0.229 ppbv
RT: 1.897 min Scan# 51
Delta R.T. -0.139 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

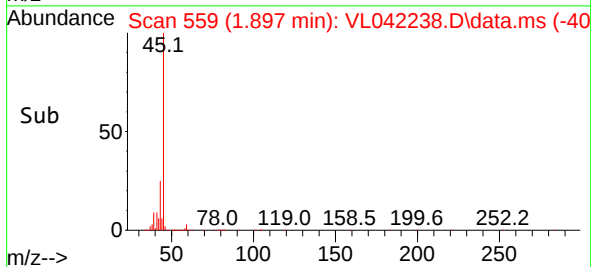
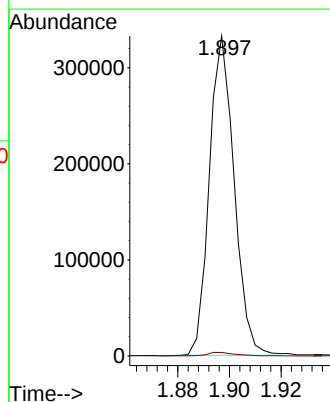
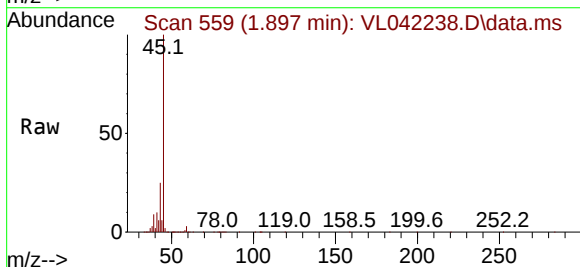
Instrument :
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SSSG-DUP-2-04012025DL

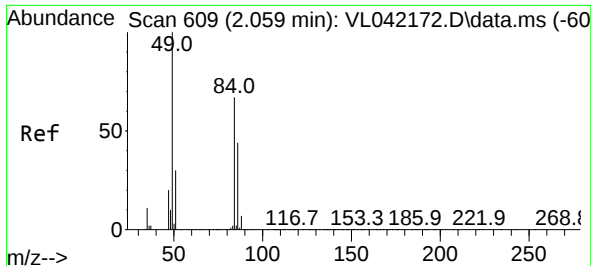
Tgt Ion: 59 Resp: 8003
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3



#19
Isopropyl Alcohol
Concen: 14.025 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

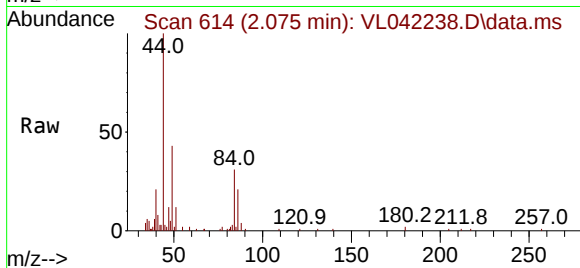
Tgt Ion: 45 Resp: 221838
Ion Ratio Lower Upper
45 100
58 1.2 36.9 55.3#



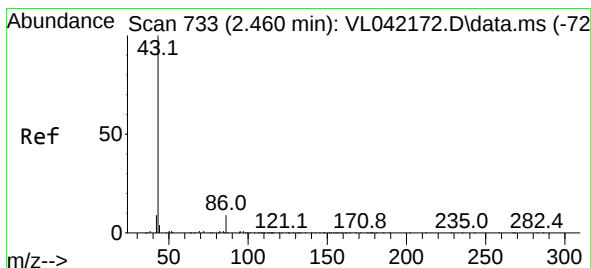
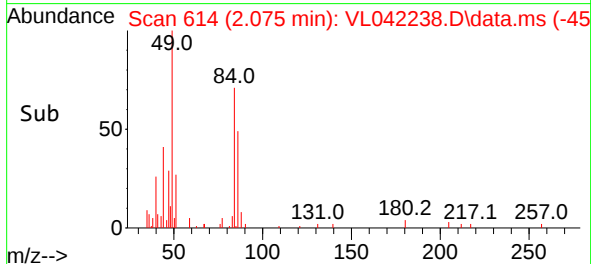
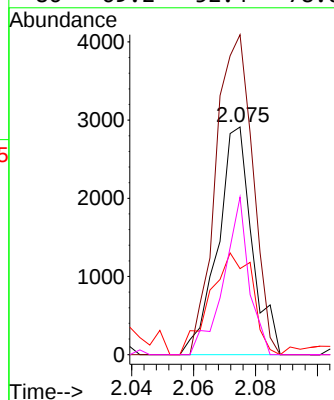


#20
Methylene Chloride
Concen: 0.214 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

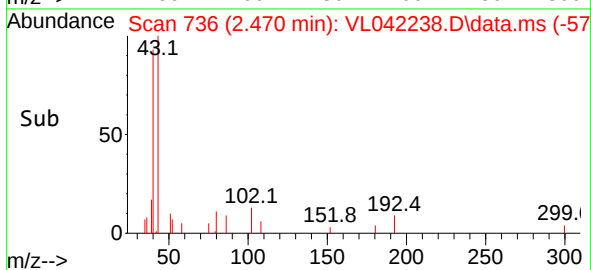
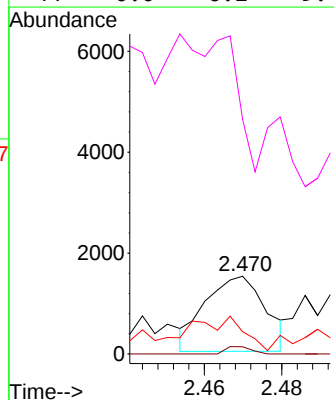
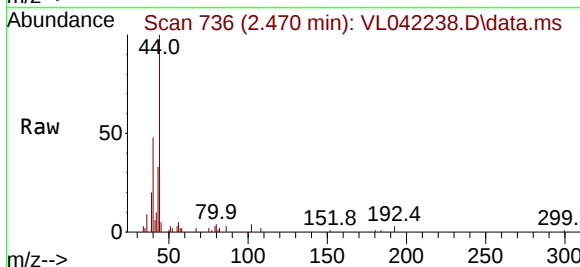


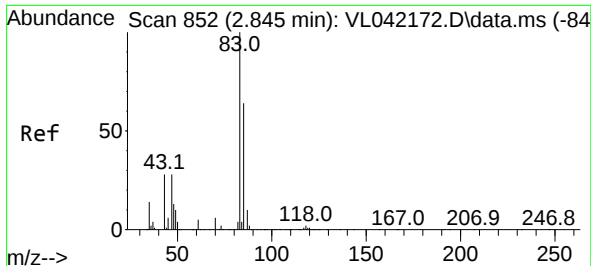
Tgt Ion: 84	Resp: 2236
Ion Ratio	Lower Upper
84 100	
49 140.6	120.2 180.4
51 37.8	37.4 56.0
86 69.2	52.4 78.6



#23
Vinyl Acetate
Concen: 0.133 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.010 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Tgt	Ion: 43	Resp:	1613
Ion	Ratio	Lower	Upper
43	100		
86	13.7	5.5	8.3#
42	11.8	8.6	13.0
44	0.0	6.2	9.4#





#29

Chloroform

Concen: 0.040 ppbv

RT: 2.868 min Scan# 81

Delta R.T. 0.023 min

Lab File: VL042238.D

Acq: 07 Apr 2025 18:46

Instrument :

MSVOA_L

ClientSampleId :

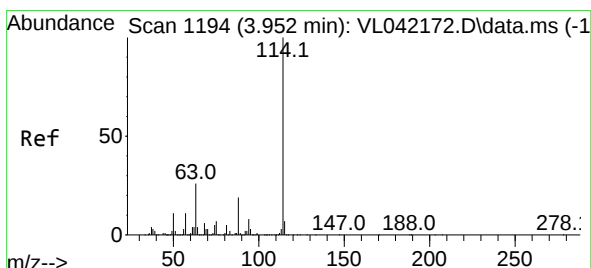
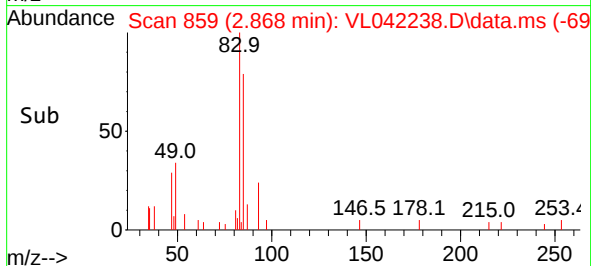
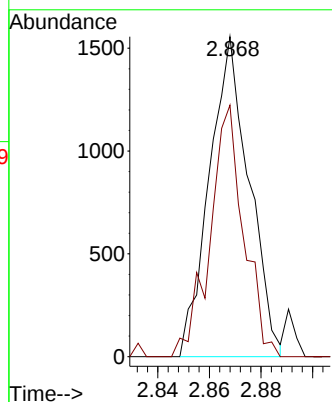
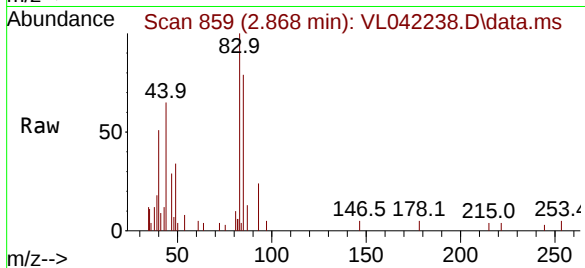
SSSG-DUP-2-04012025DL

Tgt Ion: 83 Resp: 1665

Ion Ratio Lower Upper

83 100

85 78.6 51.4 77.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.985 min Scan# 1204

Delta R.T. 0.032 min

Lab File: VL042238.D

Acq: 07 Apr 2025 18:46

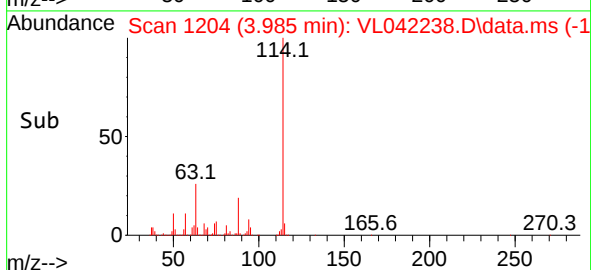
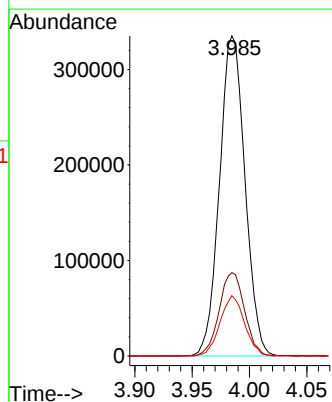
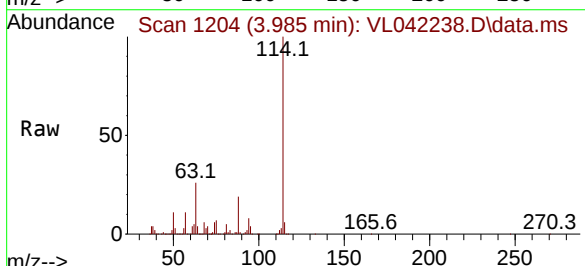
Tgt Ion: 114 Resp: 518231

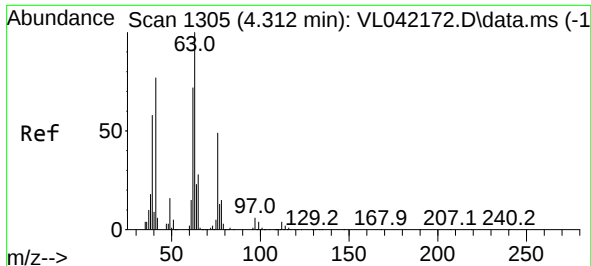
Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

88 18.1 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.186 ppbv

RT: 3.985 min Scan# 11

Delta R.T. -0.327 min

Lab File: VL042238.D

Acq: 07 Apr 2025 18:46

Instrument :

MSVOA_L

ClientSampleId :

SSSG-DUP-2-04012025DL

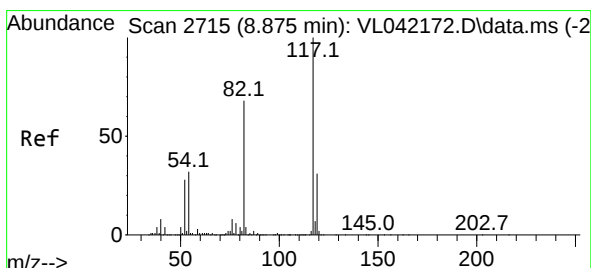
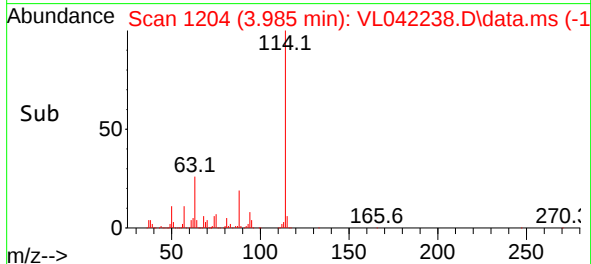
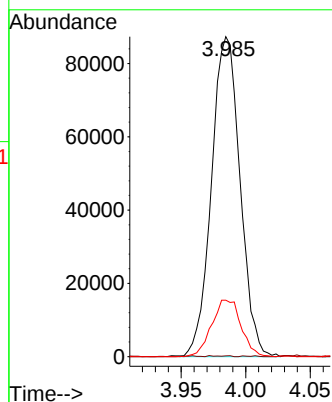
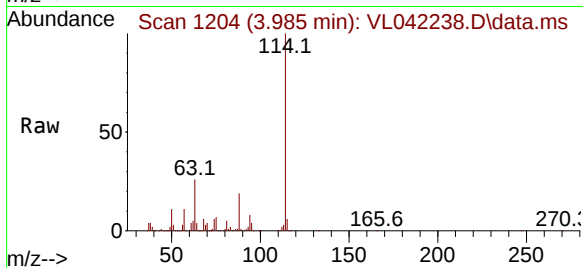
Tgt Ion: 63 Resp: 134452

Ion Ratio Lower Upper

63 100

41 0.3 61.7 92.5#

62 17.5 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: VL042238.D

Acq: 07 Apr 2025 18:46

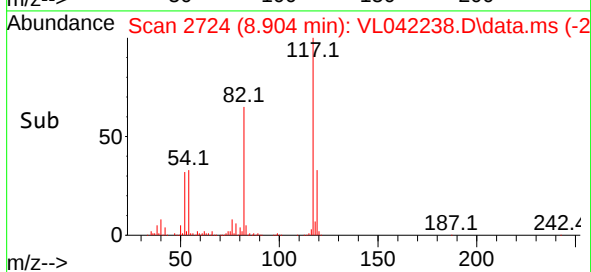
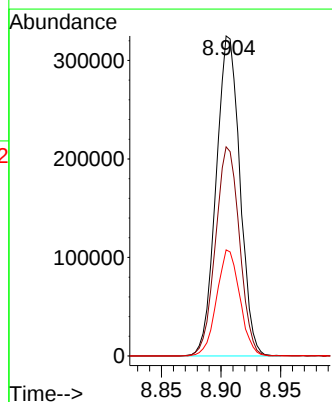
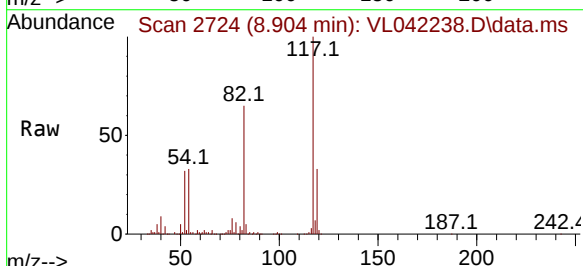
Tgt Ion: 117 Resp: 450849

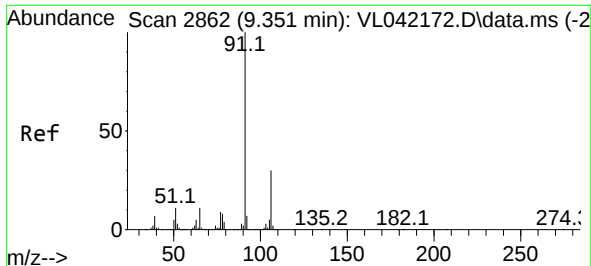
Ion Ratio Lower Upper

117 100

82 65.9 55.8 83.6

119 32.3 25.5 38.3

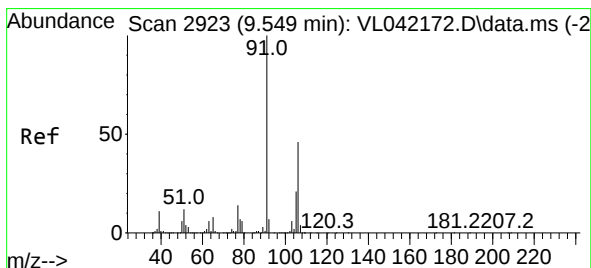
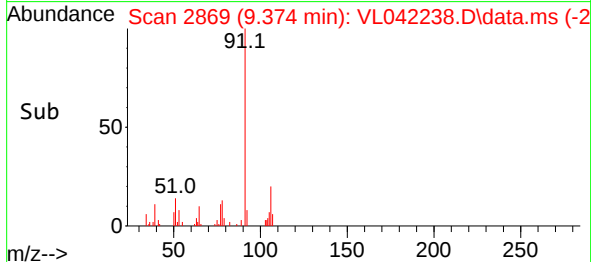
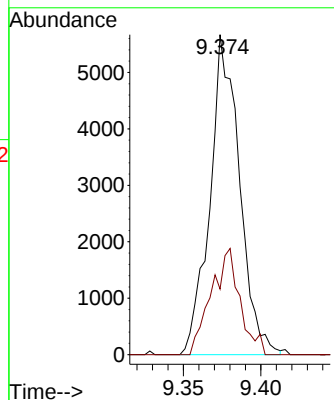
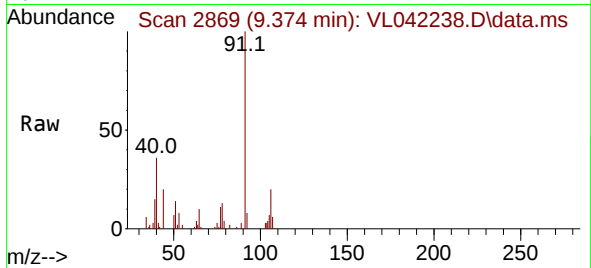




#58
Ethyl Benzene
Concen: 0.094 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

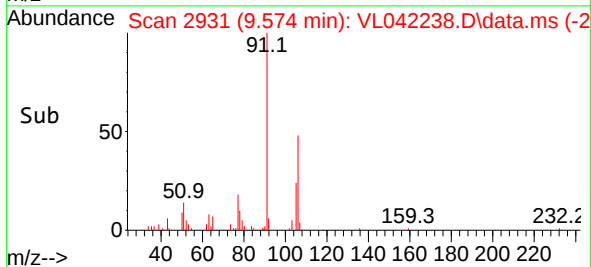
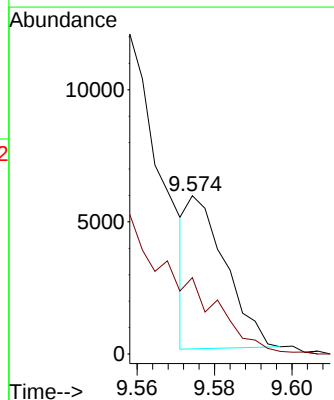
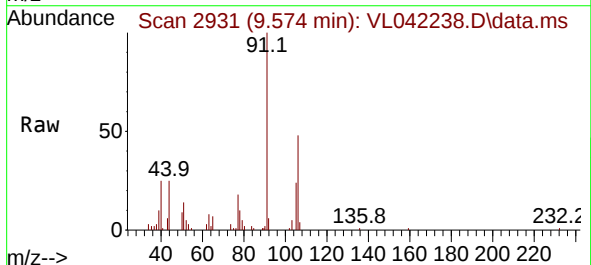
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

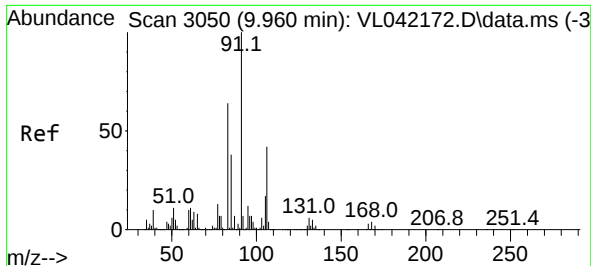
Tgt Ion: 91 Resp: 7534
Ion Ratio Lower Upper
91 100
106 20.5 24.2 36.2#



#59
m/p-Xylene
Concen: 0.062 ppbv
RT: 9.574 min Scan# 2931
Delta R.T. 0.026 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Tgt Ion: 91 Resp: 3938
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#

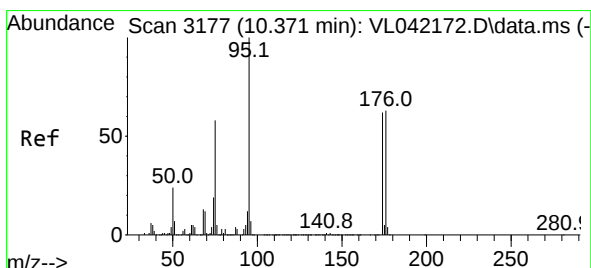
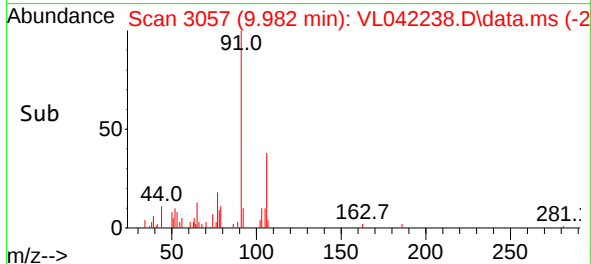
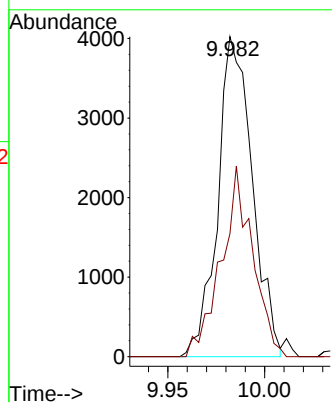
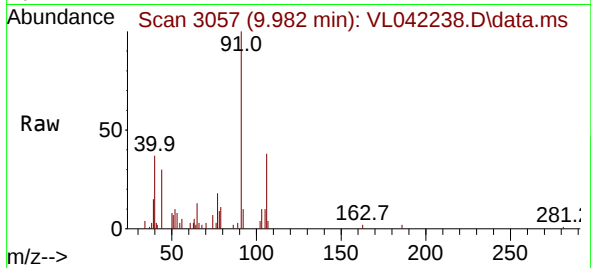




#60
o-Xylene
Concen: 0.078 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 91 Resp: 4985
Ion Ratio Lower Upper
91 100
106 54.1 20.8 62.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.625 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042238.D
Acq: 07 Apr 2025 18:46

Tgt Ion: 95 Resp: 356358
Ion Ratio Lower Upper
95 100
174 60.8 50.6 76.0
175 4.3 3.8 5.6

