

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042284.D
 Acq On : 09 Apr 2025 03:22
 Operator : SY/MD
 Sample : Q1728-03 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-2-04022025

Quant Time: Apr 09 08:28:03 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	2.787	49	156706	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	394605	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	369232	10.000	ppbv	# 0.00

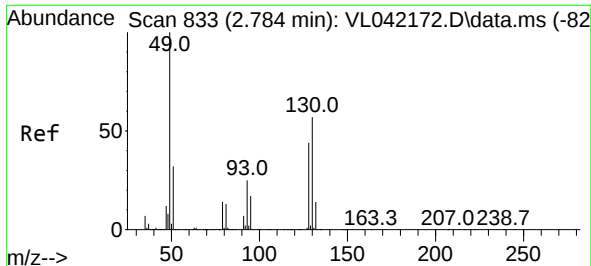
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	337277	11.123	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.200%

Target Compounds					Qvalue	
4) Chloromethane	1.531	50	309	0.033	ppbv	# 54
9) Propene	1.483	41	3071	0.283	ppbv	# 81
10) Heptane	4.985	43	5285	0.183	ppbv	# 38
13) Ethanol	1.887	45	1920	1.875	ppbv	# 27
15) Acetone	1.835	43	54597	2.491	ppbv	94
16) 1,3-Butadiene	1.602	39	2289	0.214	ppbv	# 39
17) tert-Butyl alcohol	2.046	59	2549	0.093	ppbv	# 91
19) Isopropyl Alcohol	1.887	45	1920	0.155	ppbv	# 1
20) Methylene Chloride	2.059	84	2997	0.367	ppbv	# 85
23) Vinyl Acetate	2.473	43	3119	0.329	ppbv	# 30
25) Ethyl Acetate	2.625	43	6965	0.122	ppbv	# 84
26) Hexane	2.823	57	2005	0.091	ppbv	# 1
27) Carbon Disulfide	2.149	76	14783	0.627	ppbv	# 27
30) Cyclohexane	3.855	84	8272	0.434	ppbv	# 1
34) 2-Butanone	2.560	43	5000	0.175	ppbv	96
39) 1,2-Dichloropropane	4.434	63	1889	0.133	ppbv	# 1
41) Tetrahydrofuran	3.182	42	2330	0.141	ppbv	# 37
42) Bromodichloromethane	4.522	83	79792	2.584	ppbv	# 25
43) Methyl Methacrylate	4.593	69	153486	9.268	ppbv	# 28
44) 2,2,4-Trimethylpentane	4.642	57	84539	1.279	ppbv	# 42
47) 1,1,2-Trichloroethane	6.480	97	223694	14.853	ppbv	# 46
50) 4-Methyl-2-Pentanone	5.791	43	483677	10.666	ppbv	89
51) 2-Hexanone	7.461	43	1931577	51.871	ppbv	# 35
53) Toluene	6.933	91	26400	0.569	ppbv	99
57) Chlorobenzene	8.872	112	288701	8.243	ppbv	# 34
58) Ethyl Benzene	9.364	91	76723	1.170	ppbv	99
59) m/p-Xylene	9.539	91	512888	9.793	ppbv	# 79
60) o-Xylene	9.966	91	523601	9.973	ppbv	97
62) Isopropylbenzene	10.542	105	95094	1.211	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.953	83	12548	0.393	ppbv	# 1
64) n-propylbenzene	10.992	120	12424	0.615	ppbv	65
65) tert-Butylbenzene	11.536	119	44016	0.606	ppbv	# 78
66) Benzyl Chloride	11.639	91	818	0.106	ppbv	# 68
67) sec-Butylbenzene	11.769	105	17547	0.174	ppbv	# 91
69) p-Isopropyltoluene	11.927	119	10964	0.126	ppbv	93
71) 2-Chlorotoluene	10.992	91	61255	1.005	ppbv	79
72) 4-Ethyltoluene	11.128	105	121091	1.852	ppbv	# 63
73) 1,3,5-Trimethylbenzene	11.205	105	259320	4.542	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	351232	5.340	ppbv	# 65

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

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

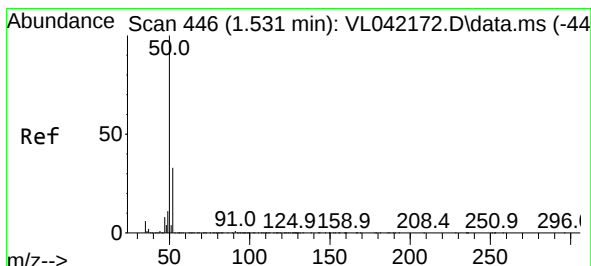
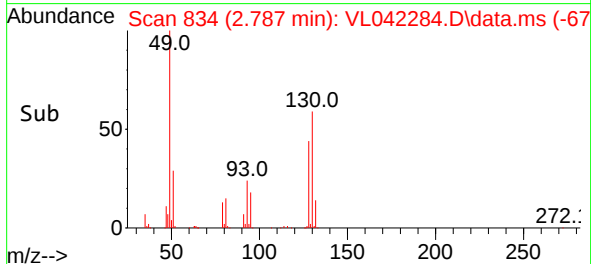
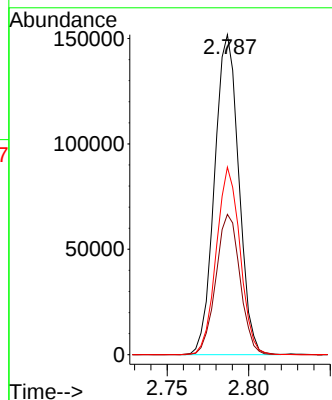
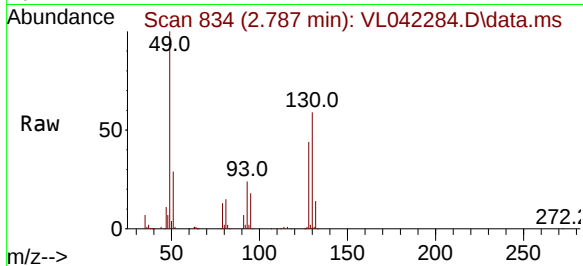
[illegible]



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

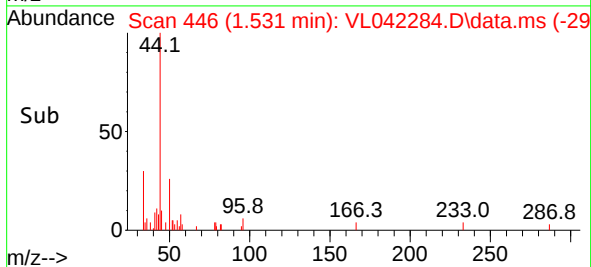
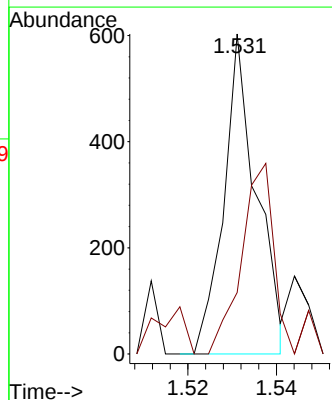
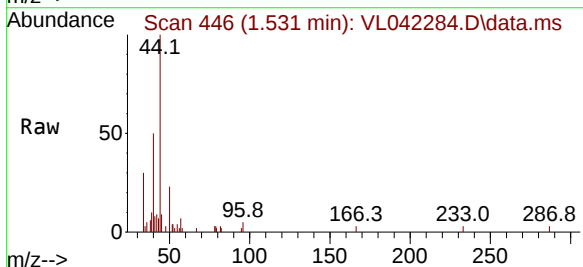
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

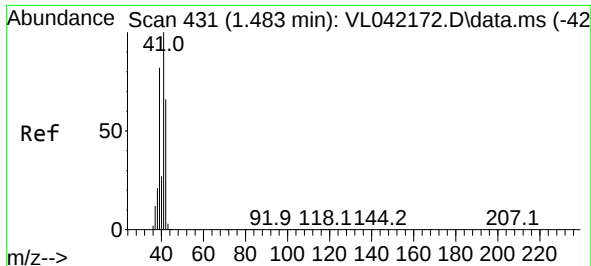
Tgt Ion: 49 Resp: 156706
Ion Ratio Lower Upper
49 100
128 43.8 22.9 68.5
130 57.5 28.8 86.4



#4
Chloromethane
Concen: 0.033 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 50 Resp: 309
Ion Ratio Lower Upper
50 100
52 6.6 26.1 39.1#





#9

Propene

Concen: 0.283 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_L

ClientSampleId :

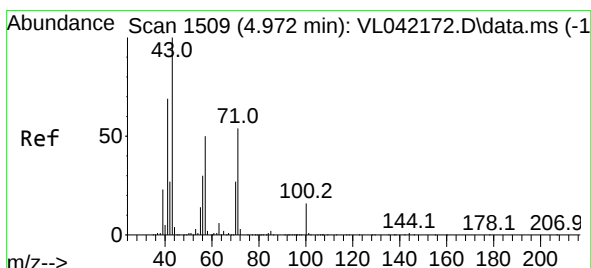
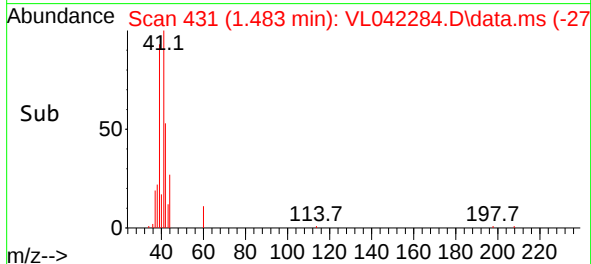
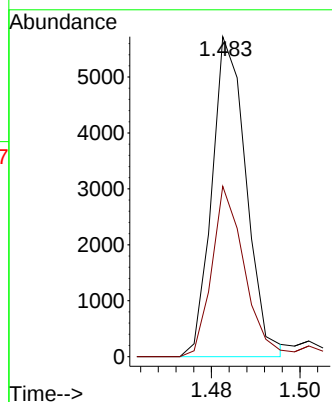
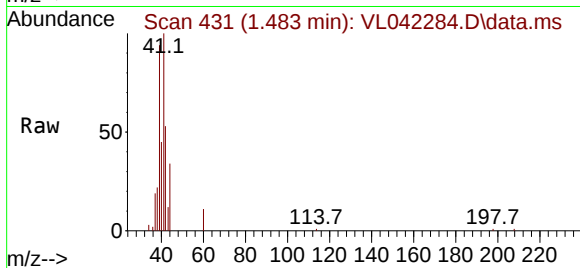
SSSG-B2-2-04022025

Tgt Ion: 41 Resp: 3071

Ion Ratio Lower Upper

41 100

42 53.9 55.4 83.2#



#10

Heptane

Concen: 0.183 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.013 min

Lab File: VL042284.D

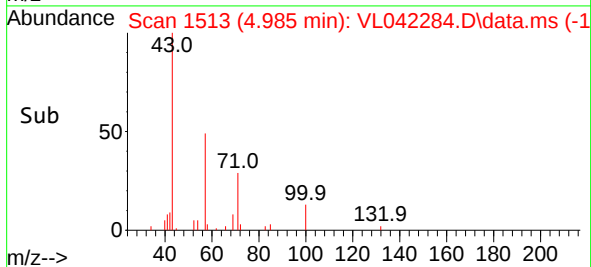
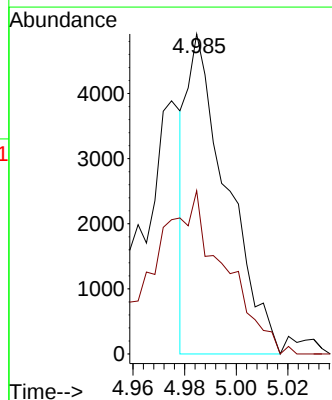
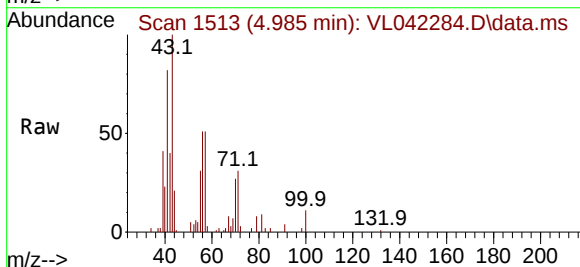
Acq: 09 Apr 2025 03:22

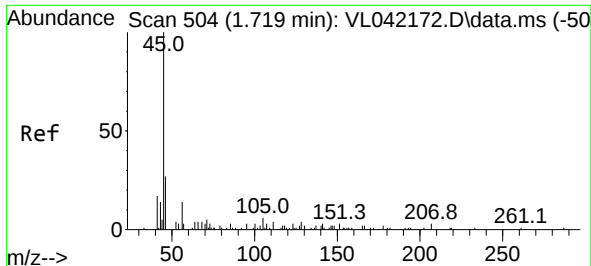
Tgt Ion: 43 Resp: 5285

Ion Ratio Lower Upper

43 100

57 91.8 39.4 59.2#

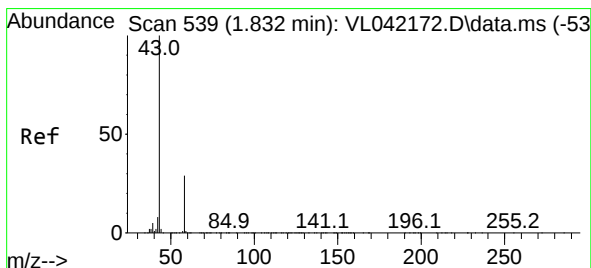
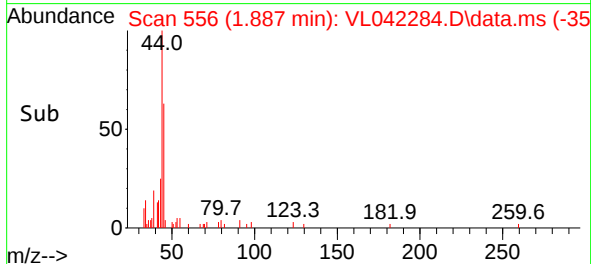
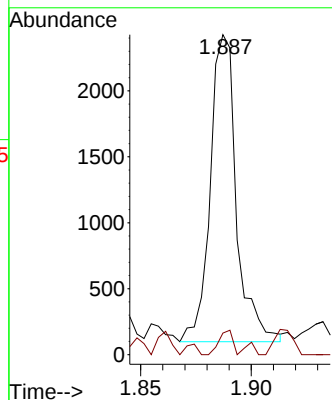
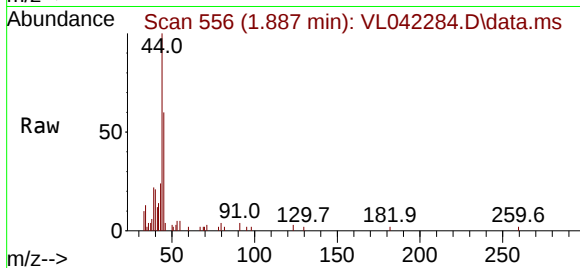




#13
Ethanol
Concen: 1.875 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.168 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

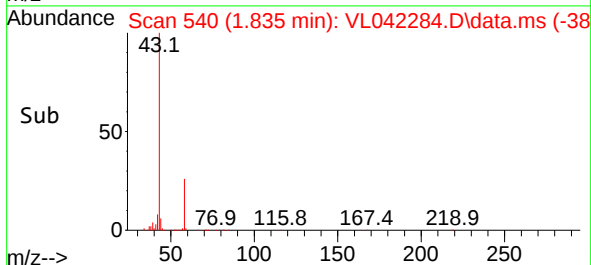
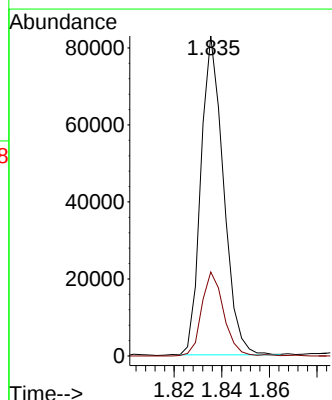
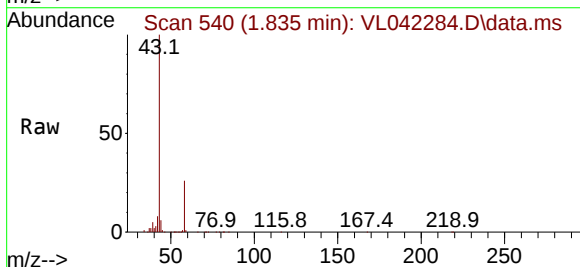
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

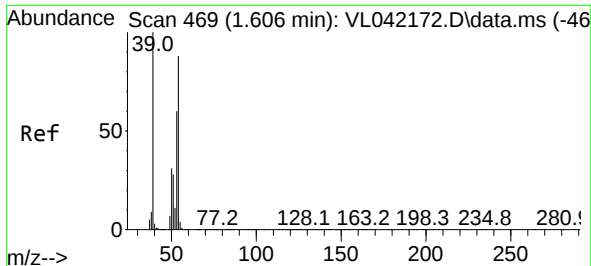
Tgt Ion: 45 Resp: 1920
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#



#15
Acetone
Concen: 2.491 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 43 Resp: 54597
Ion Ratio Lower Upper
43 100
58 26.0 23.2 34.8

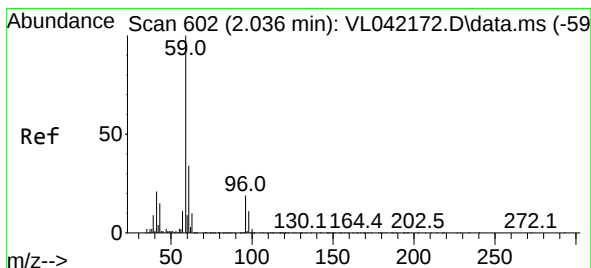
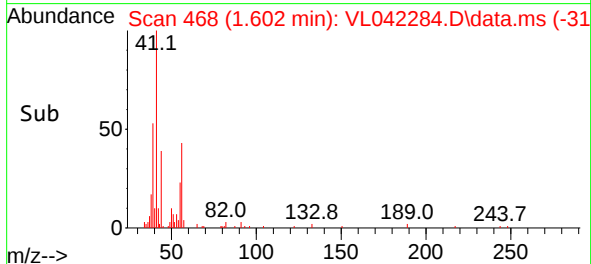
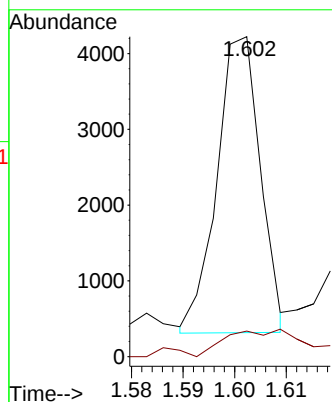
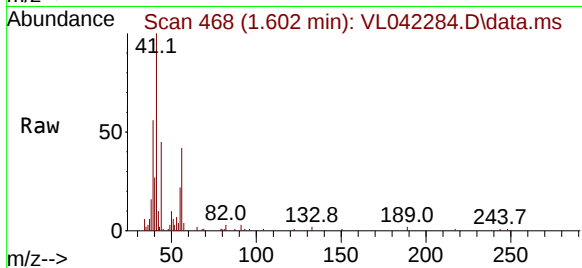




#16
1,3-Butadiene
Concen: 0.214 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

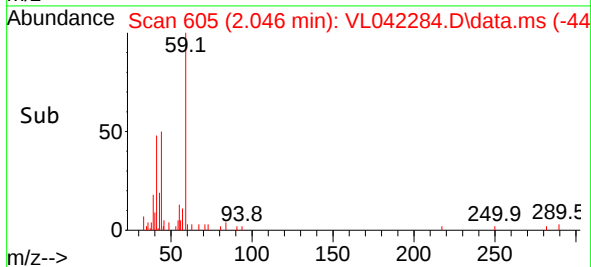
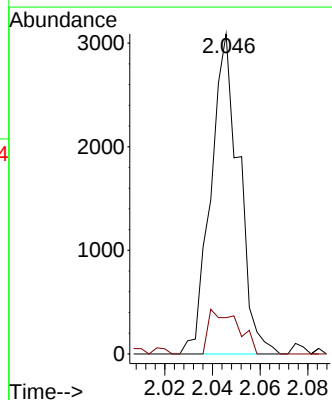
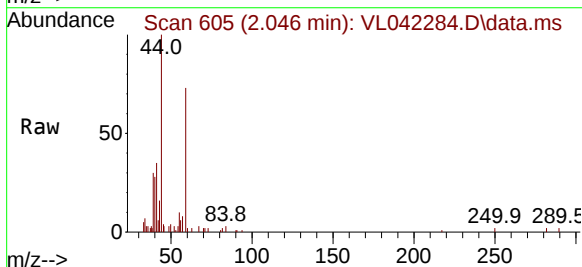
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

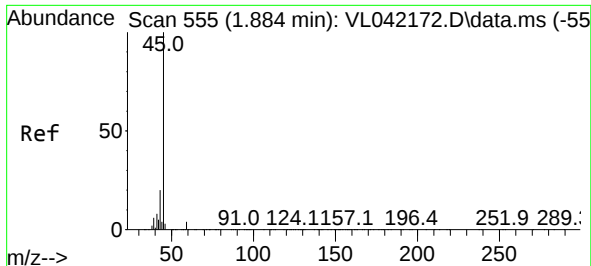
Tgt Ion: 39 Resp: 2289
Ion Ratio Lower Upper
39 100
54 23.8 60.7 91.1#



#17
tert-Butyl alcohol
Concen: 0.093 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.009 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 59 Resp: 2549
Ion Ratio Lower Upper
59 100
57 14.4 8.9 13.3#

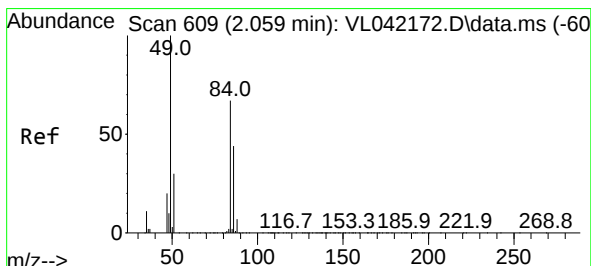
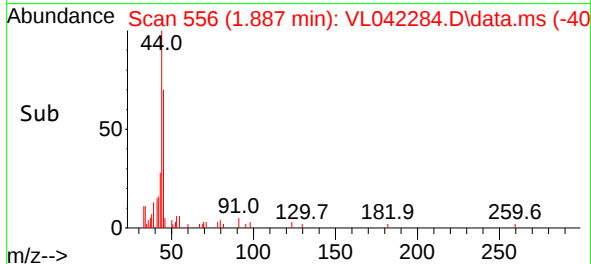
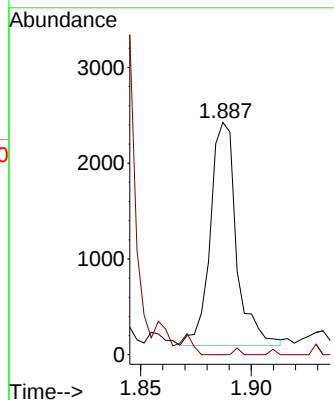
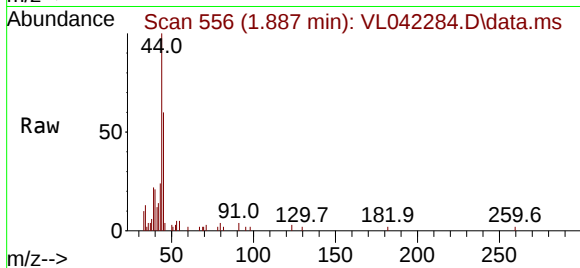




#19
Isopropyl Alcohol
Concen: 0.155 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

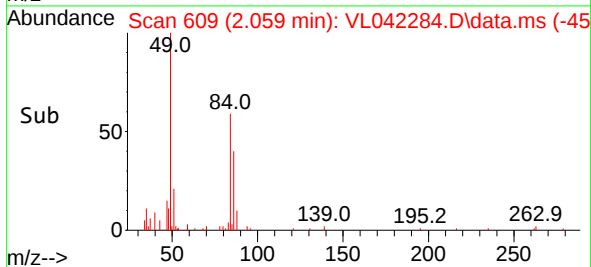
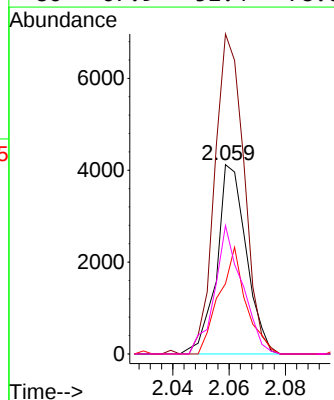
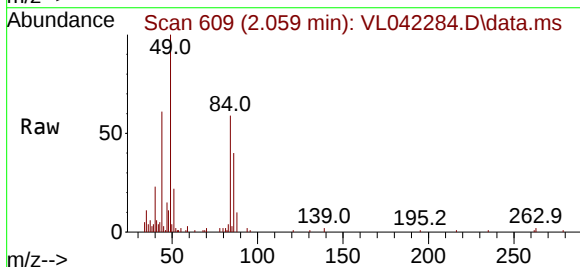
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

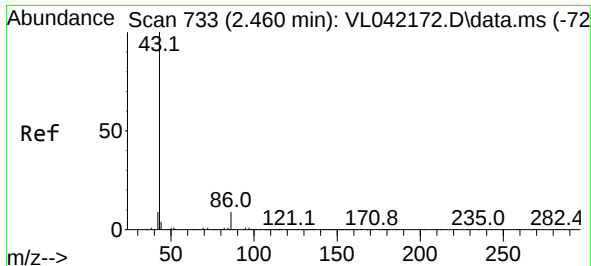
Tgt Ion: 45 Resp: 1920
Ion Ratio Lower Upper
45 100
58 739.1 36.9 55.3#



#20
Methylene Chloride
Concen: 0.367 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 84 Resp: 2997
Ion Ratio Lower Upper
84 100
49 176.5 120.2 180.4
51 37.1 37.4 56.0#
86 67.9 52.4 78.6

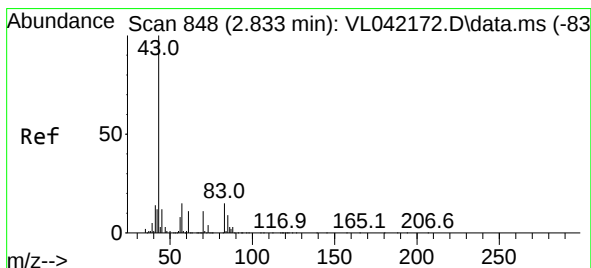
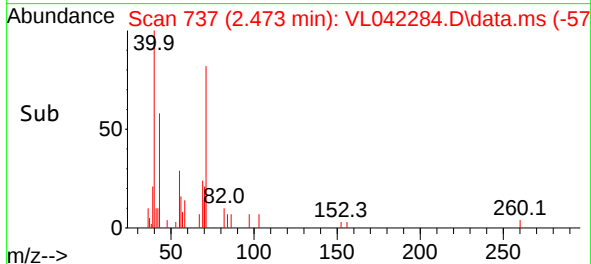
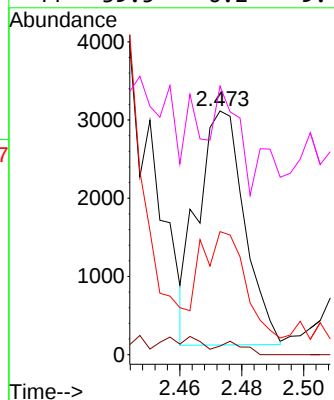
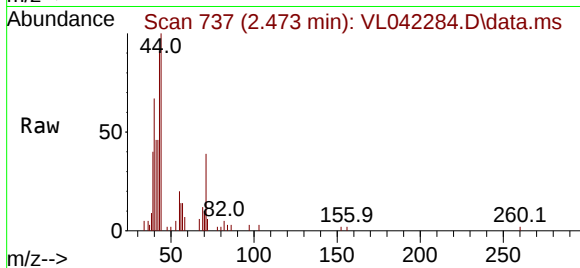




#23
Vinyl Acetate
Concen: 0.329 ppbv
RT: 2.473 min Scan# 713
Delta R.T. 0.013 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

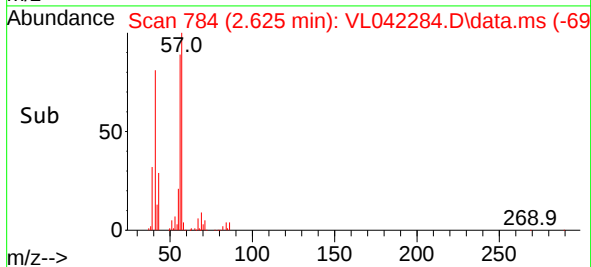
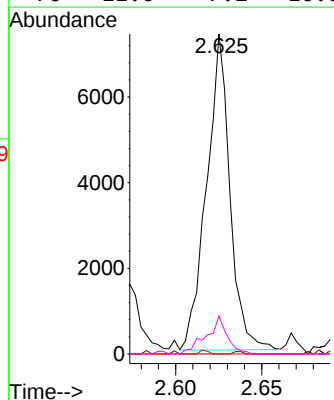
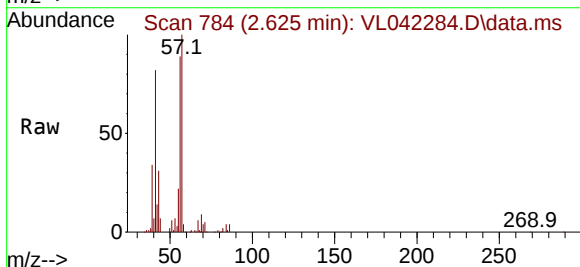
Instrument :
MSVOA_1
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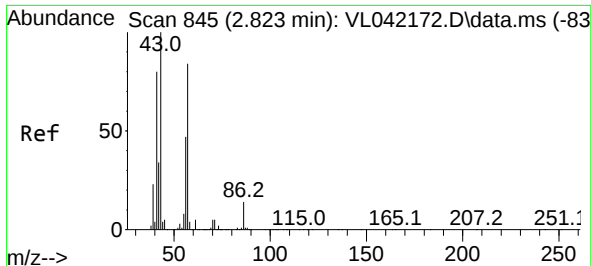
Tgt Ion:	43	Resp:	3119
Ion	Ratio	Lower	Upper
43	100		
86	3.7	5.5	8.3#
42	46.1	8.6	13.0#
44	39.5	6.2	9.4#



#25
Ethyl Acetate
Concen: 0.122 ppbv
RT: 2.625 min Scan# 784
Delta R.T. -0.207 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

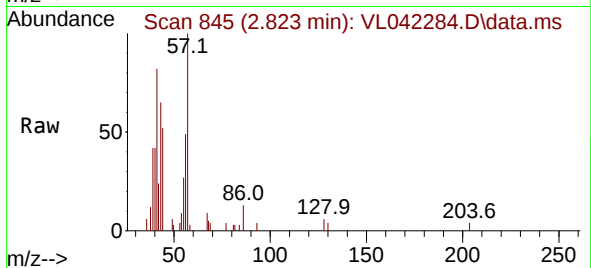
Tgt Ion:	43	Resp:	6965
Ion	Ratio	Lower	Upper
43	100		
45	3.4	8.2	12.2#
61	0.4	7.3	10.9#
70	11.0	7.2	10.8#



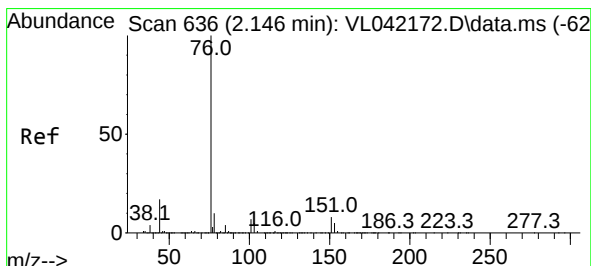
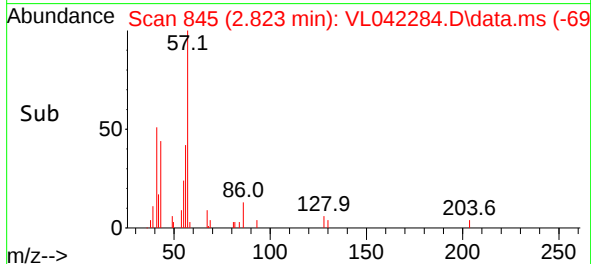
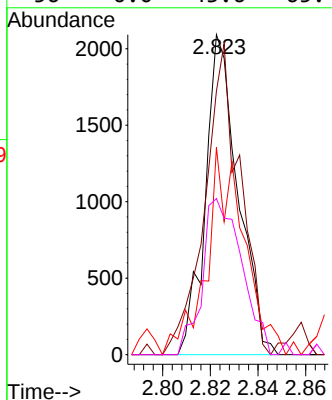


#26
Hexane
Concen: 0.091 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

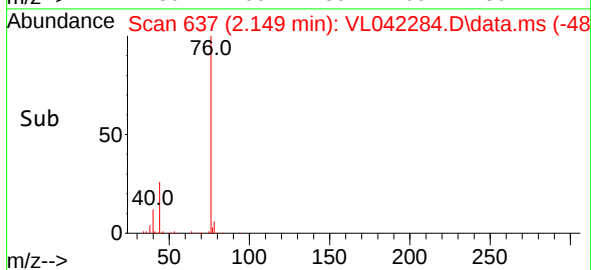
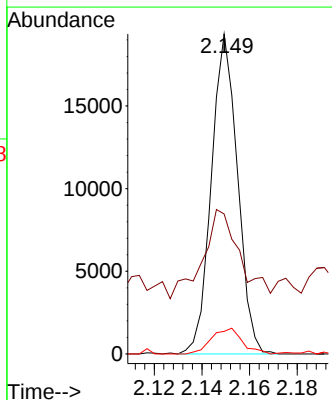
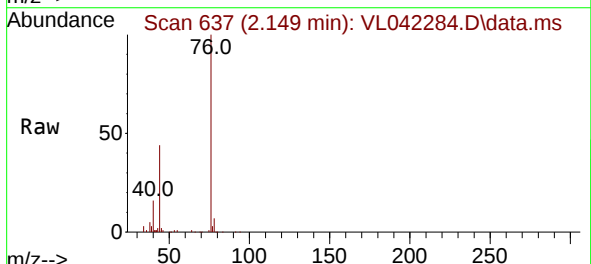


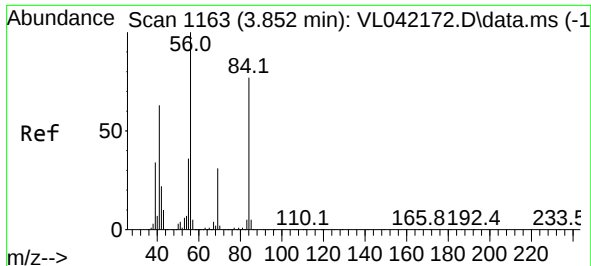
Tgt Ion:	57	Resp:	2005
Ion	Ratio	Lower	Upper
57	100		
41	110.2	76.6	114.8
43	0.0	207.8	311.8#
56	0.0	43.6	65.4#



#27
Carbon Disulfide
Concen: 0.627 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion:	76	Resp:	14783
Ion	Ratio	Lower	Upper
76	100		
44	70.3	14.7	22.1#
78	9.7	9.3	13.9

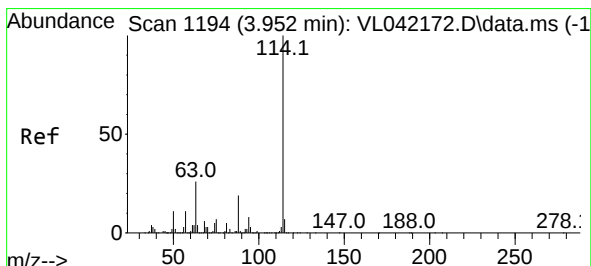
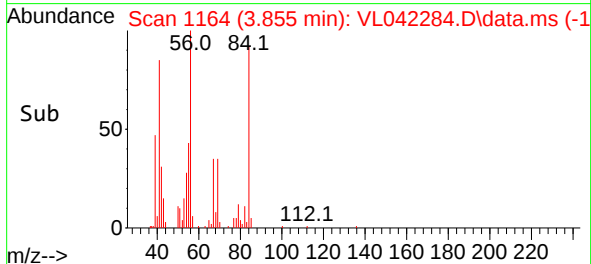
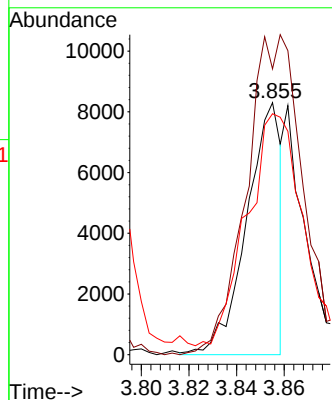
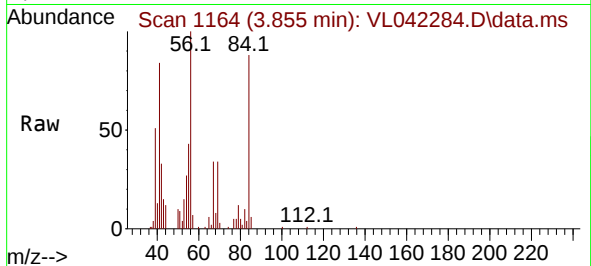




#30
Cyclohexane
Concen: 0.434 ppbv
RT: 3.855 min Scan# 1163
Delta R.T. 0.003 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

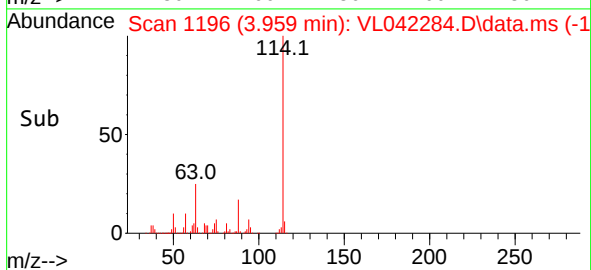
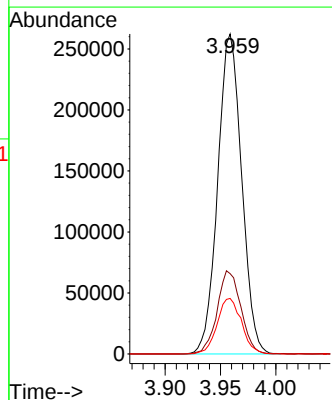
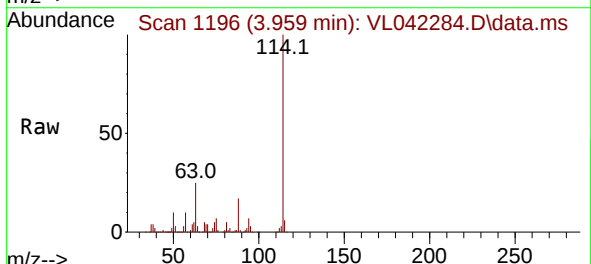
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

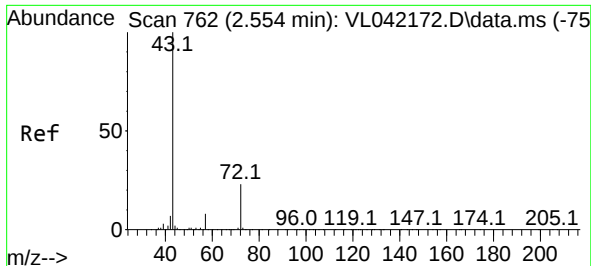
Tgt Ion: 84 Resp: 8272
Ion Ratio Lower Upper
84 100
56 0.0 102.8 154.2#
41 0.0 66.5 99.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 114 Resp: 394605
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 17.6 15.0 22.4

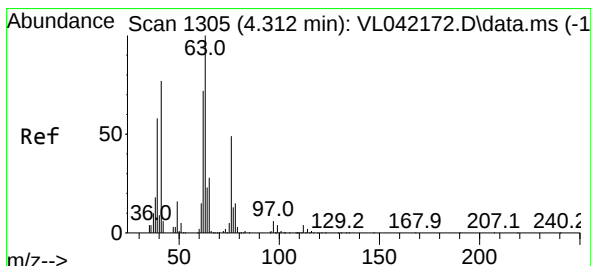
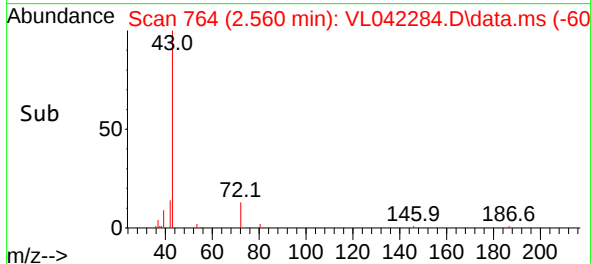
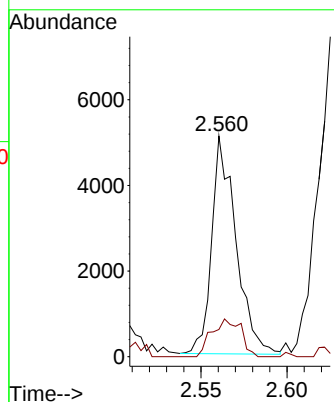
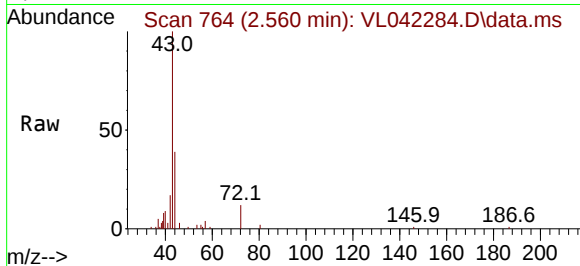




#34
2-Butanone
Concen: 0.175 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

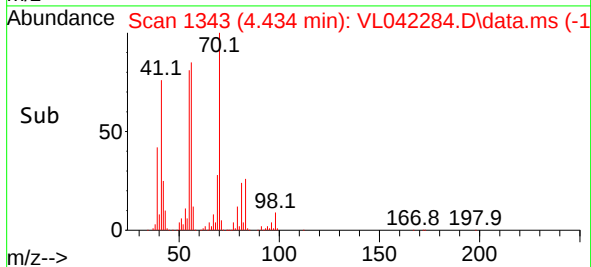
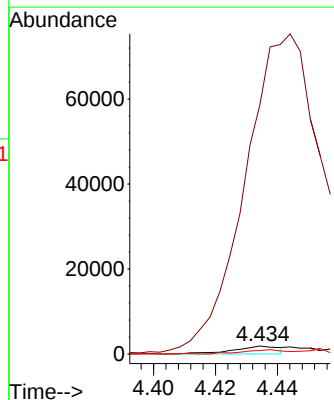
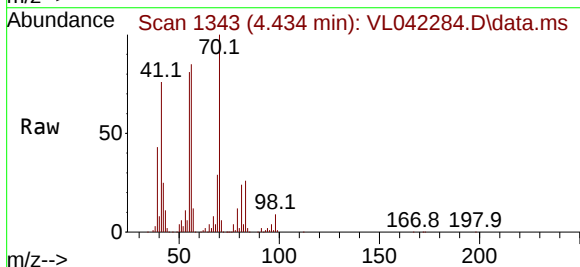
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

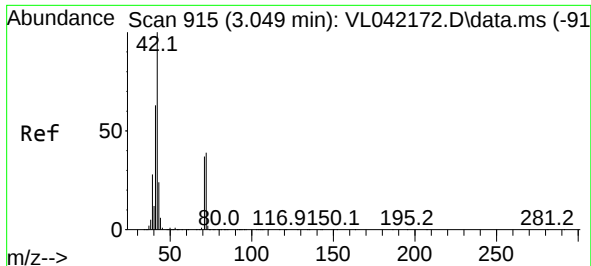
Tgt Ion: 43 Resp: 5000
Ion Ratio Lower Upper
43 100
72 20.8 18.2 27.2



#39
1,2-Dichloropropane
Concen: 0.133 ppbv
RT: 4.434 min Scan# 1343
Delta R.T. 0.123 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 63 Resp: 1889
Ion Ratio Lower Upper
63 100
41 3034.1 61.7 92.5#
62 36.7 57.6 86.4#





#41

Tetrahydrofuran

Concen: 0.141 ppbv

RT: 3.182 min Scan# 915

Delta R.T. 0.132 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-2-04022025

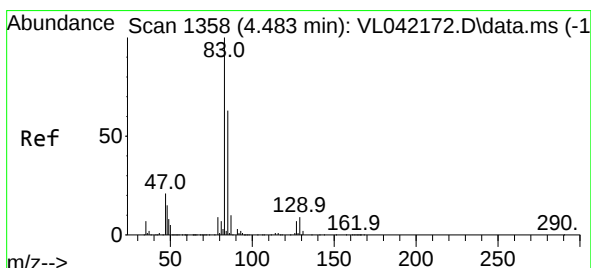
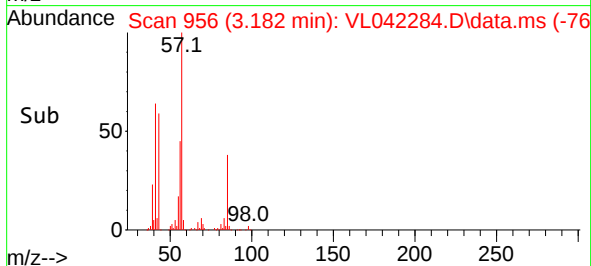
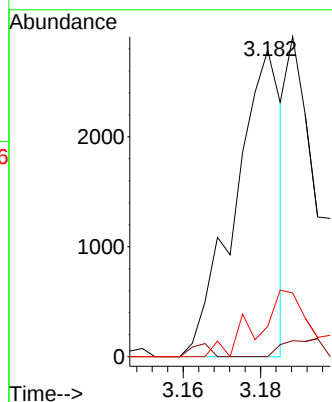
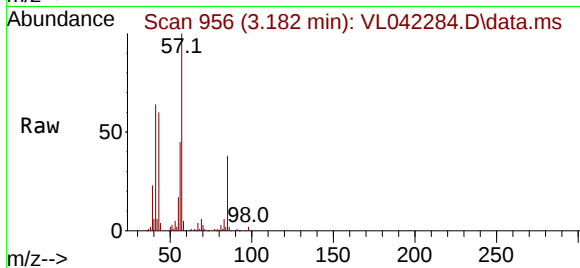
Tgt Ion: 42 Resp: 2330

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 30.2 45.4#



#42

Bromodichloromethane

Concen: 2.584 ppbv

RT: 4.522 min Scan# 1370

Delta R.T. 0.039 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

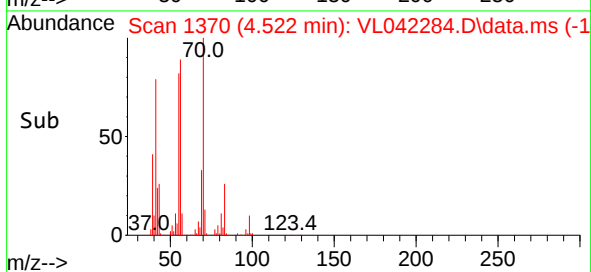
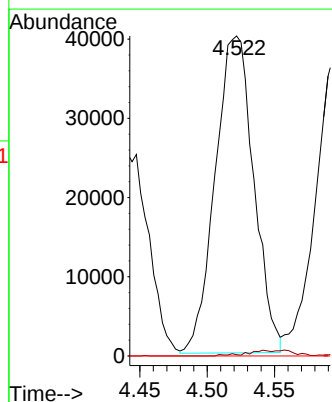
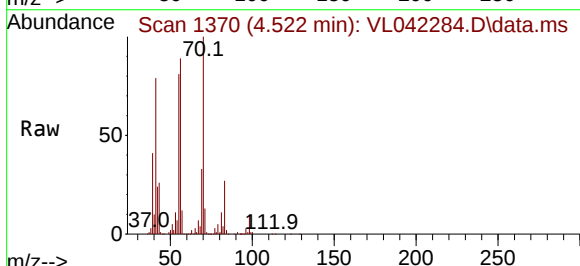
Tgt Ion: 83 Resp: 79792

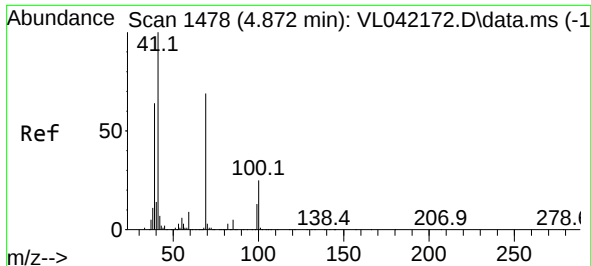
Ion Ratio Lower Upper

83 100

85 0.4 50.5 75.7#

127 0.0 5.9 8.9#

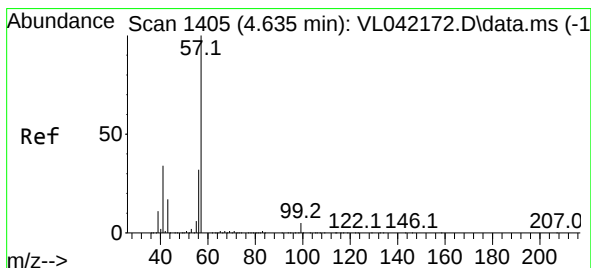
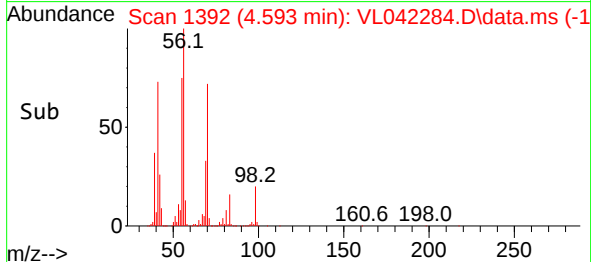
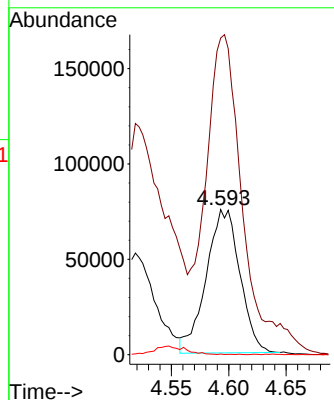
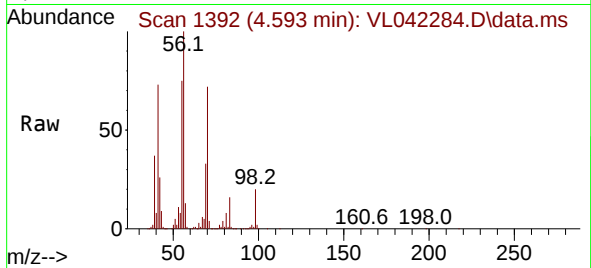




#43
Methyl Methacrylate
Concen: 9.268 ppbv
RT: 4.593 min Scan# 11
Delta R.T. -0.279 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

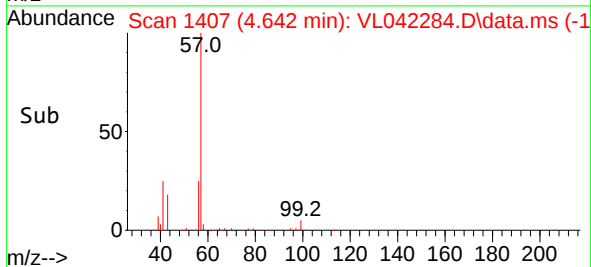
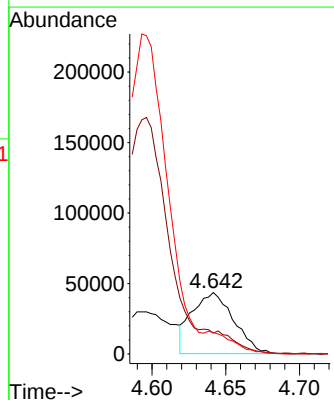
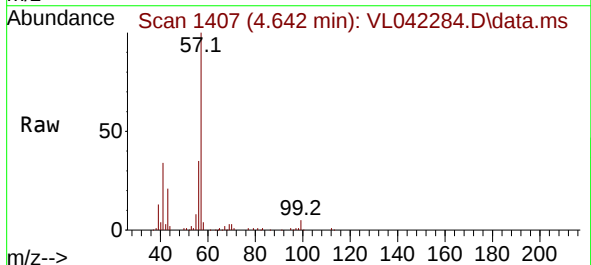
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

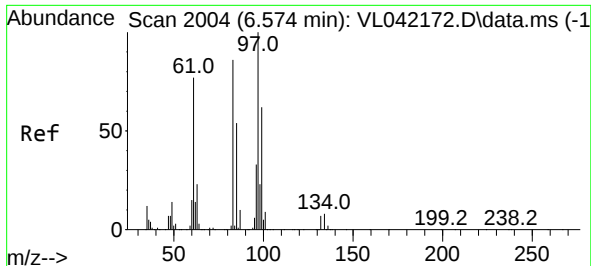
Tgt Ion: 69 Resp: 153486
Ion Ratio Lower Upper
69 100
41 250.6 123.8 185.6#
100 0.2 28.4 42.6#



#44
2,2,4-Trimethylpentane
Concen: 1.279 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 57 Resp: 84539
Ion Ratio Lower Upper
57 100
41 0.0 26.8 40.2#
56 0.0 25.6 38.4#

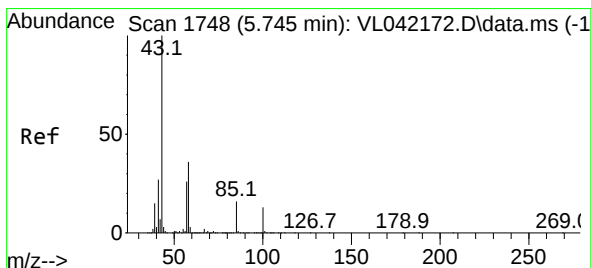
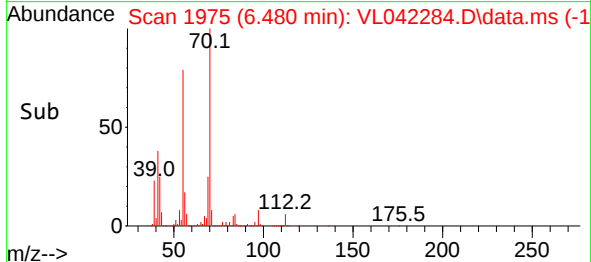
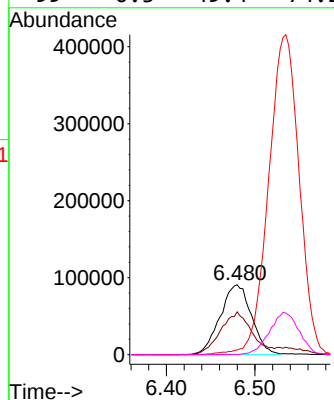
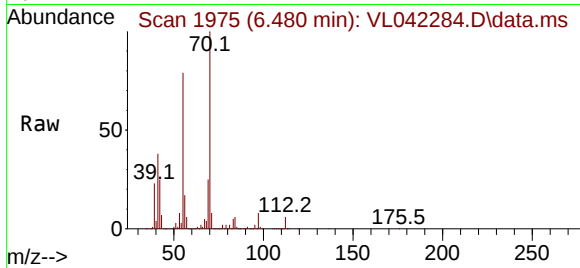




#47
 1,1,2-Trichloroethane
 Concen: 14.853 ppbv
 RT: 6.480 min Scan# 1975
 Delta R.T. -0.094 min
 Lab File: VL042284.D
 Acq: 09 Apr 2025 03:22

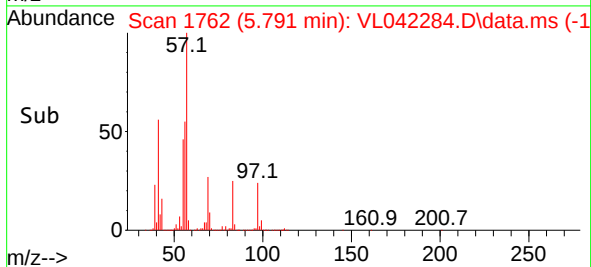
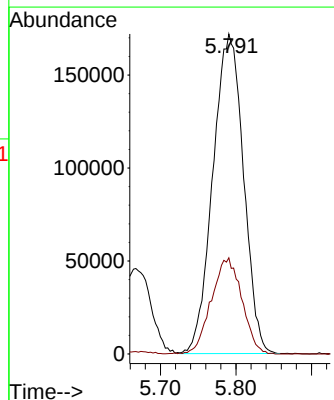
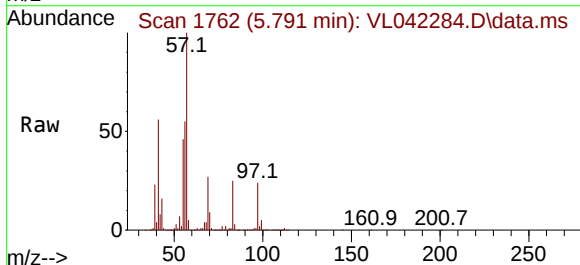
Instrument : MSVOA_1
 ClientSampleId : SSSG-B2-2-04022025

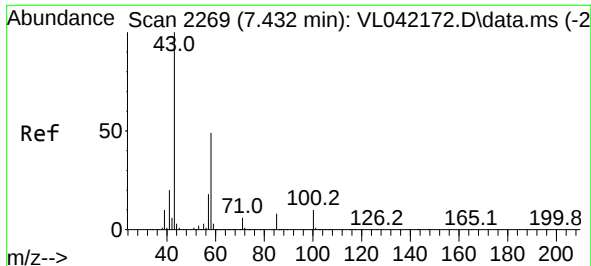
Tgt Ion:	97	Resp:	223694
Ion	Ratio	Lower	Upper
97	100		
83	61.1	69.2	103.8#
85	6.6	43.1	64.7#
99	0.3	49.4	74.2#



#50
 4-Methyl-2-Pentanone
 Concen: 10.666 ppbv
 RT: 5.791 min Scan# 1762
 Delta R.T. 0.045 min
 Lab File: VL042284.D
 Acq: 09 Apr 2025 03:22

Tgt Ion:	43	Resp:	483677
Ion	Ratio	Lower	Upper
43	100		
58	30.0	29.0	43.6

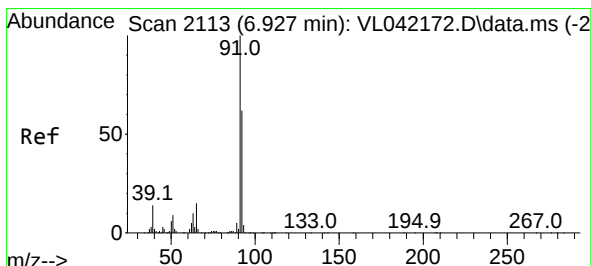
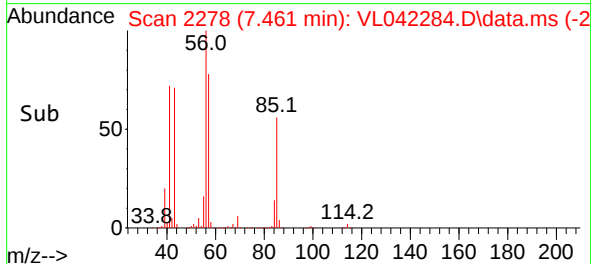
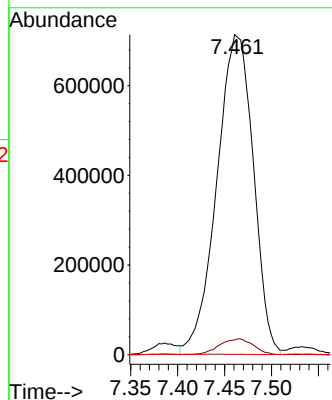
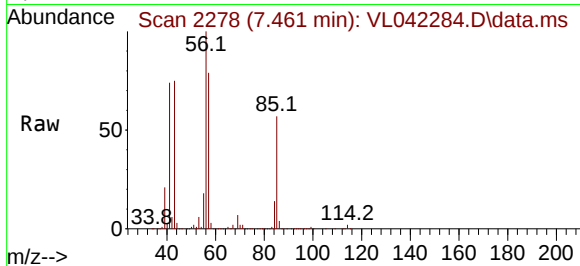




#51
2-Hexanone
Concen: 51.871 ppbv
RT: 7.461 min Scan# 2115
Delta R.T. 0.029 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

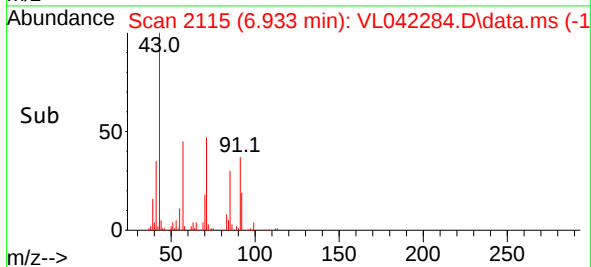
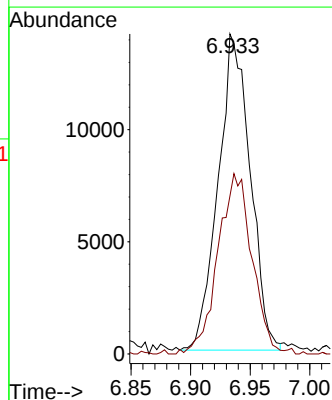
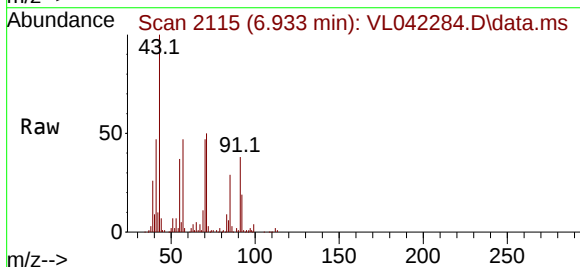
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

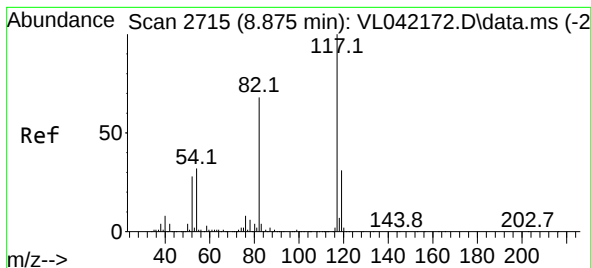
Tgt Ion: 43 Resp: 1931577
Ion Ratio Lower Upper
43 100
58 4.7 39.7 59.5#
98 0.0 0.1 0.1#



#53
Toluene
Concen: 0.569 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 91 Resp: 26400
Ion Ratio Lower Upper
91 100
92 61.2 48.4 72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2715

Delta R.T. 0.009 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-2-04022025

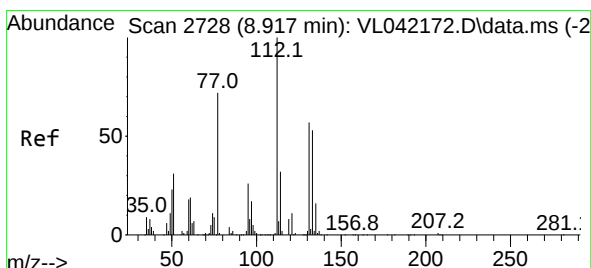
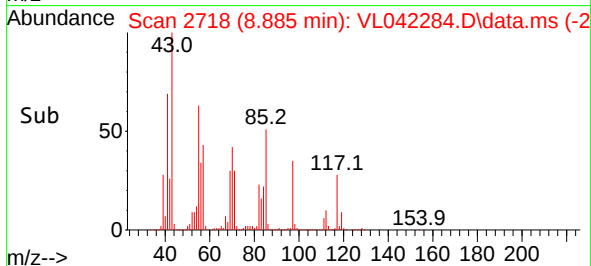
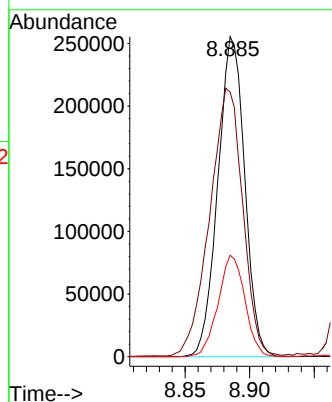
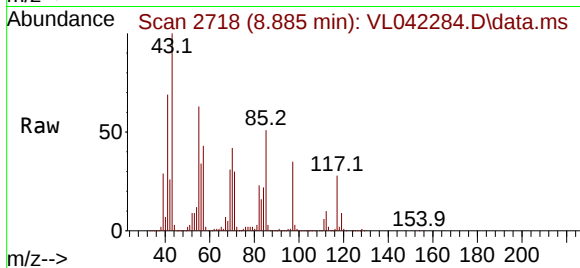
Tgt Ion:117 Resp: 369232

Ion Ratio Lower Upper

117 100

82 102.9 55.8 83.6#

119 31.6 25.5 38.3



#57

Chlorobenzene

Concen: 8.243 ppbv

RT: 8.872 min Scan# 2714

Delta R.T. -0.046 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

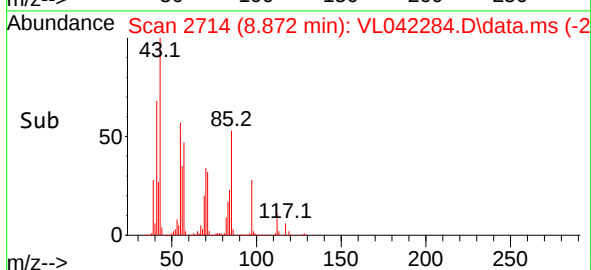
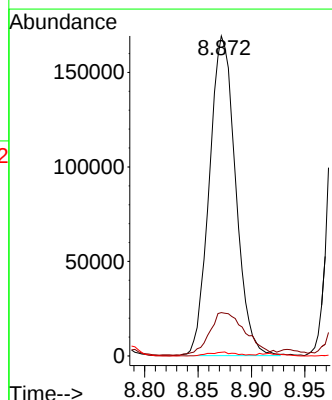
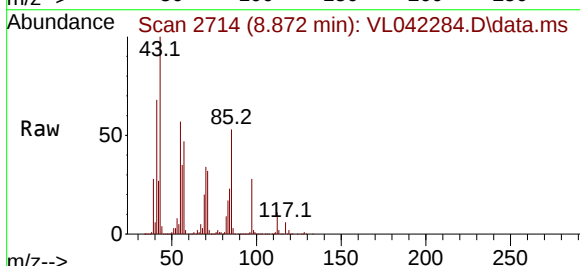
Tgt Ion:112 Resp: 288701

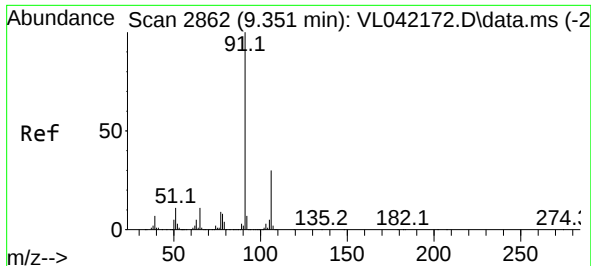
Ion Ratio Lower Upper

112 100

77 13.3 58.2 87.2#

114 1.1 29.1 35.5#





#58

Ethyl Benzene

Concen: 1.170 ppbv

RT: 9.364 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_L

ClientSampleId :

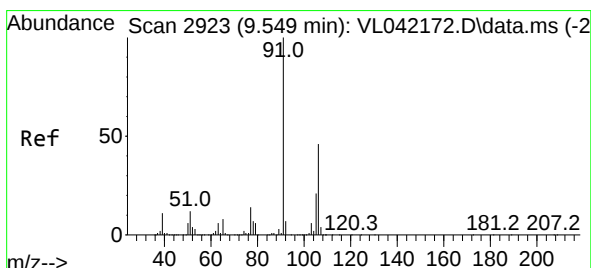
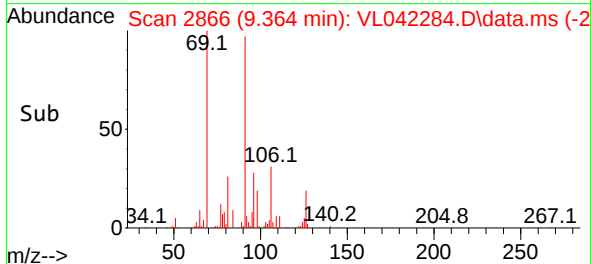
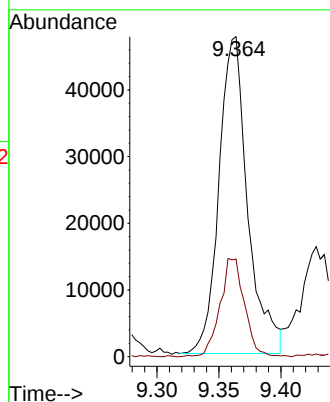
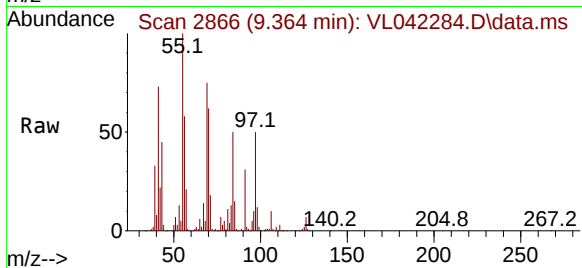
SSSG-B2-2-04022025

Tgt Ion: 91 Resp: 76723

Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.2



#59

m/p-Xylene

Concen: 9.793 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. -0.010 min

Lab File: VL042284.D

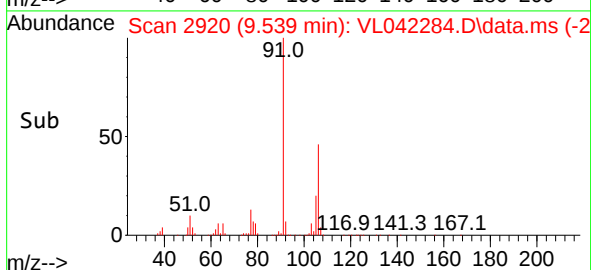
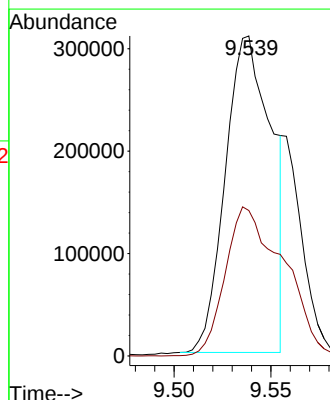
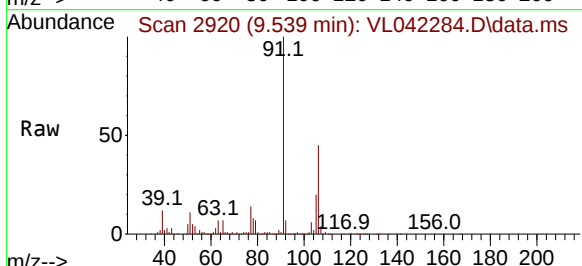
Acq: 09 Apr 2025 03:22

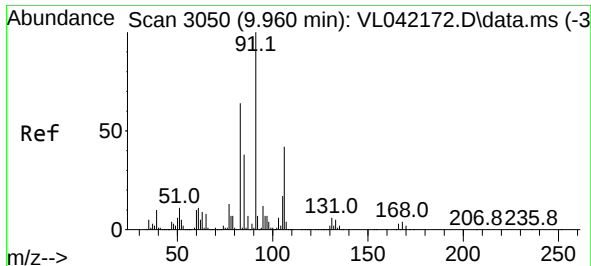
Tgt Ion: 91 Resp: 512888

Ion Ratio Lower Upper

91 100

106 59.3 36.4 54.6#

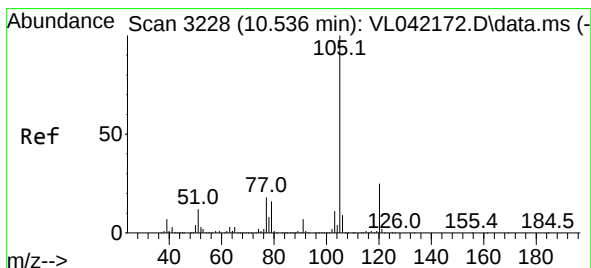
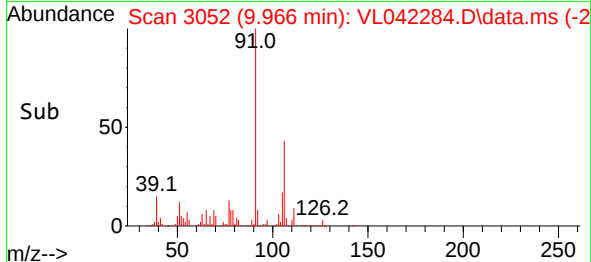
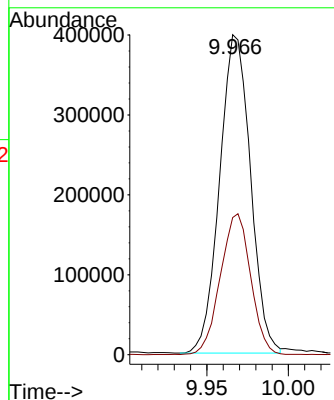
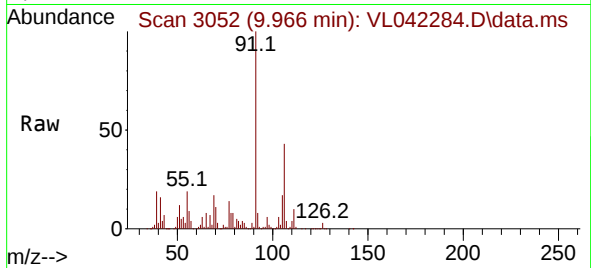




#60
o-Xylene
Concen: 9.973 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

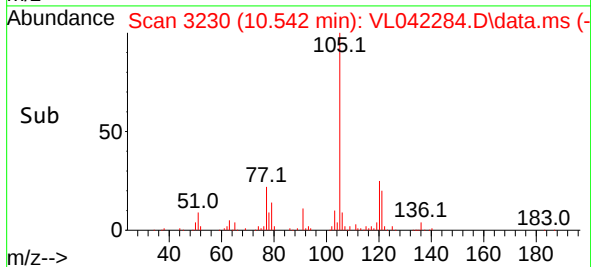
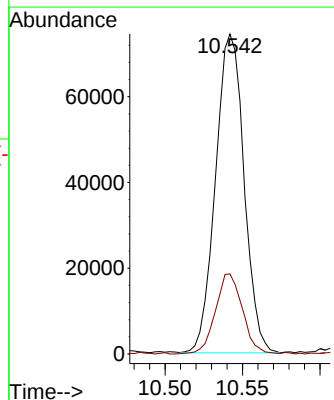
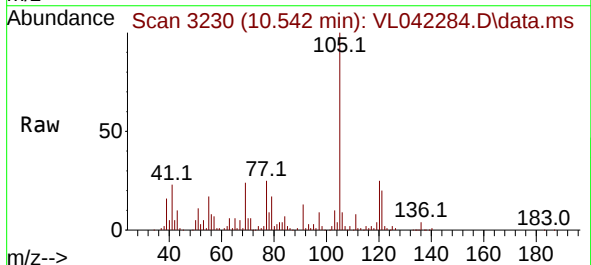
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-2-04022025

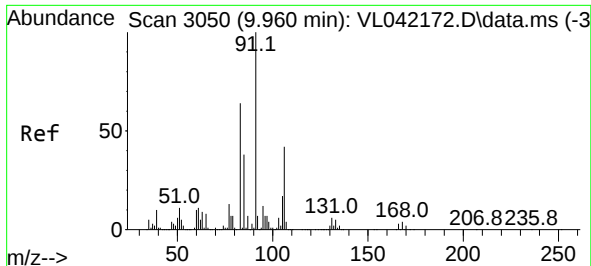
Tgt Ion: 91 Resp: 523601
Ion Ratio Lower Upper
91 100
106 43.5 20.8 62.5



#62
Isopropylbenzene
Concen: 1.211 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 105 Resp: 95094
Ion Ratio Lower Upper
105 100
120 24.0 19.9 29.9

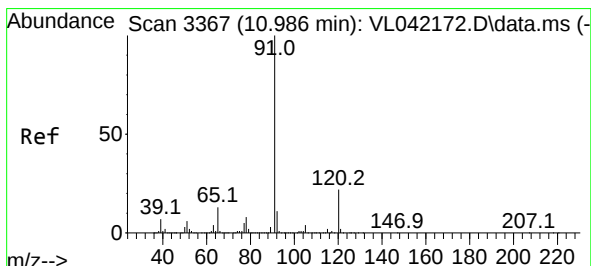
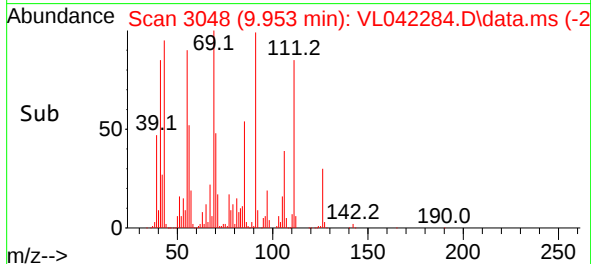
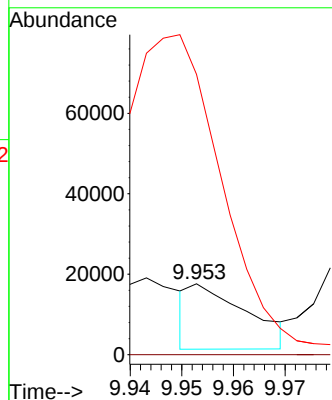
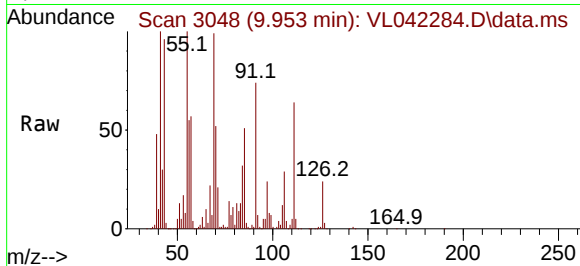




#63
1,1,2,2-Tetrachloroethane
Concen: 0.393 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. -0.007 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

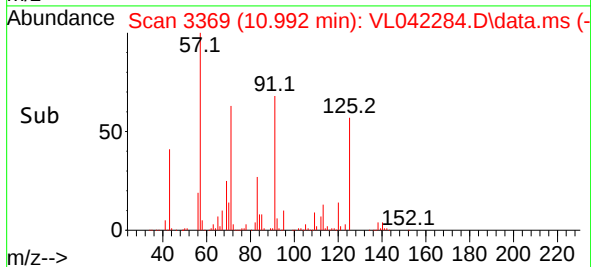
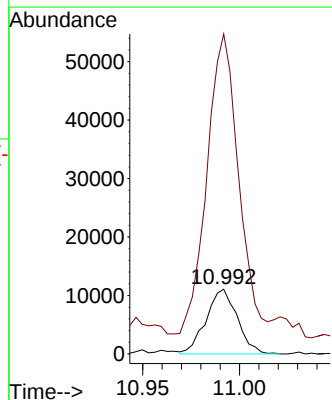
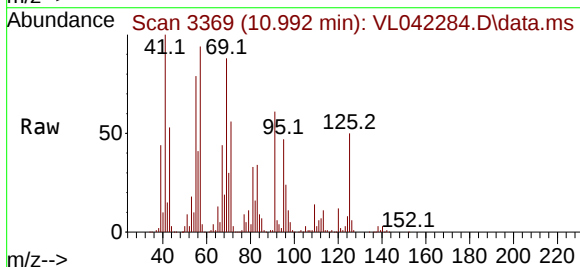
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-2-04022025

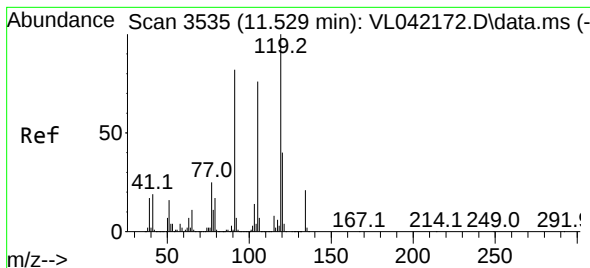
Tgt Ion: 83 Resp: 12548
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 951.7 32.5 97.5#



#64
n-propylbenzene
Concen: 0.615 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.006 min
Lab File: VL042284.D
Acq: 09 Apr 2025 03:22

Tgt Ion: 120 Resp: 12424
Ion Ratio Lower Upper
120 100
91 563.3 376.9 565.3





#65

tert-Butylbenzene

Concen: 0.606 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B2-2-04022025

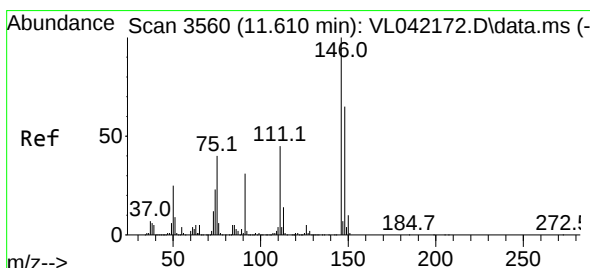
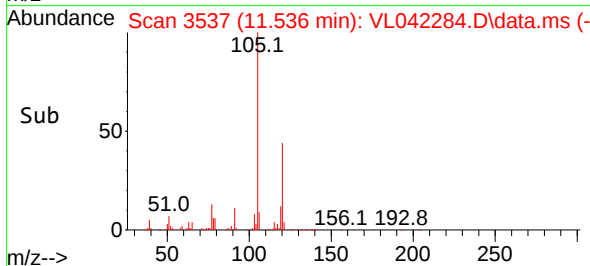
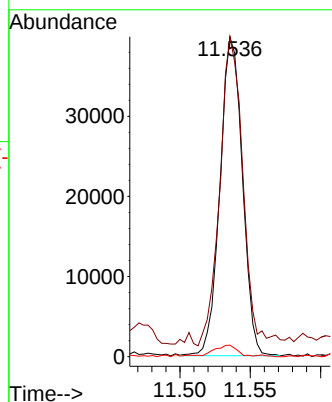
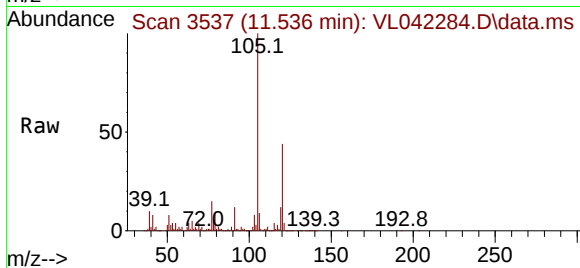
Tgt Ion:119 Resp: 44016

Ion Ratio Lower Upper

119 100

91 99.4 66.0 99.0#

134 4.6 16.7 25.1#



#66

Benzyl Chloride

Concen: 0.106 ppbv

RT: 11.639 min Scan# 3569

Delta R.T. 0.029 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

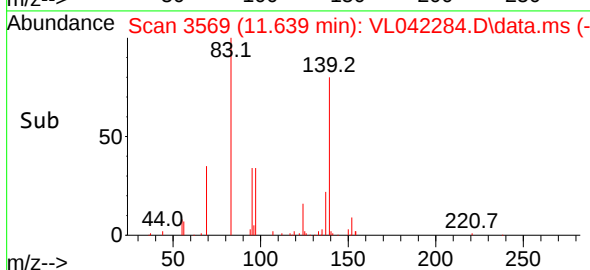
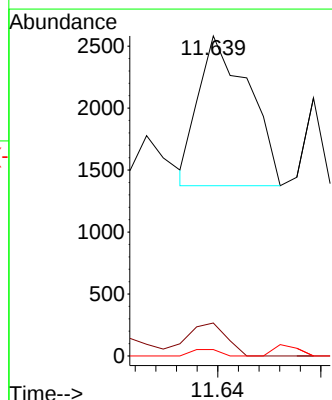
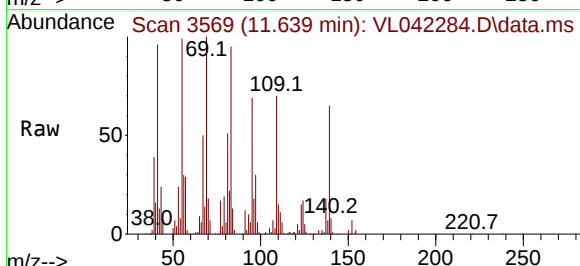
Tgt Ion: 91 Resp: 818

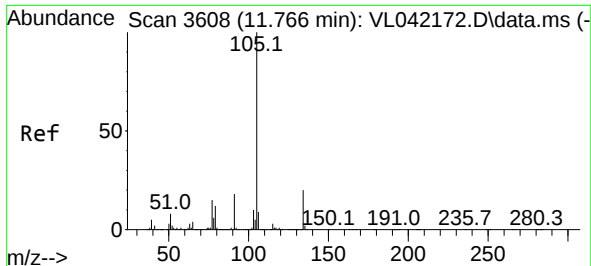
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 2.4 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.174 ppbv

RT: 11.769 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_1

ClientSampleId :

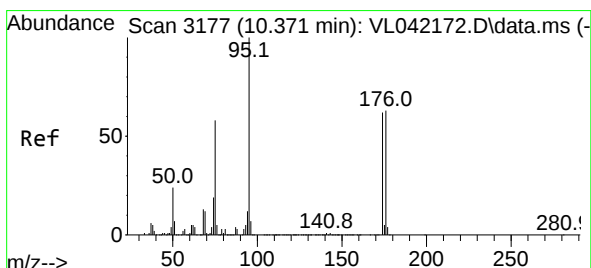
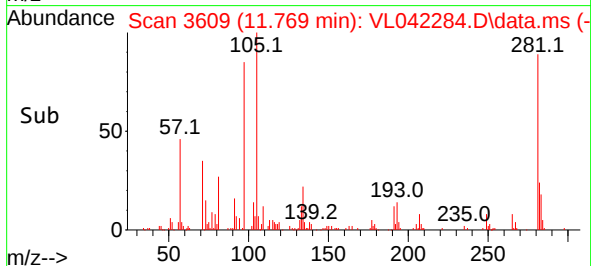
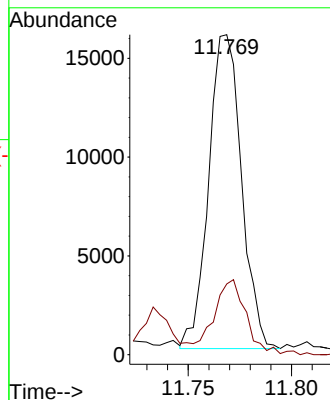
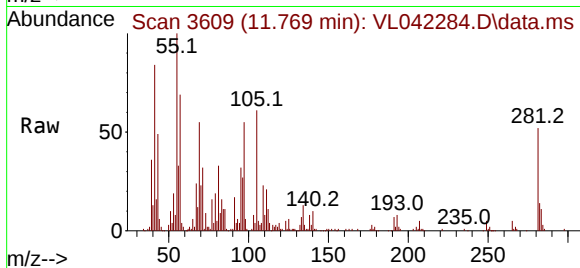
SSSG-B2-2-04022025

Tgt Ion:105 Resp: 17547

Ion Ratio Lower Upper

105 100

134 23.6 15.5 23.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 11.123 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.006 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

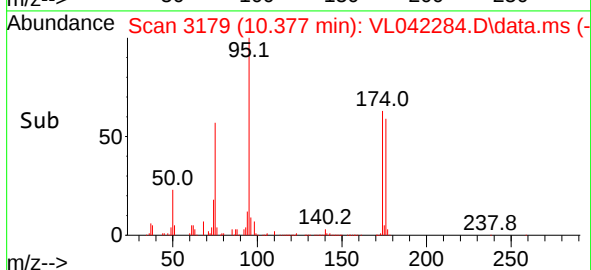
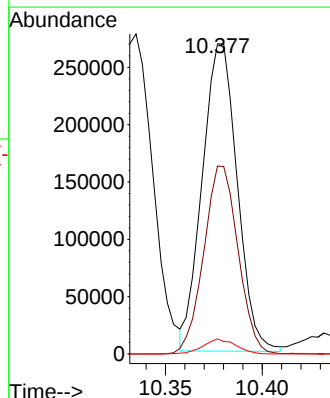
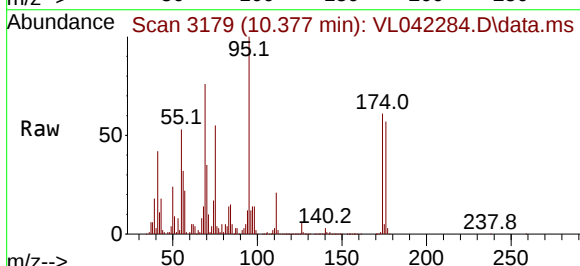
Tgt Ion: 95 Resp: 337277

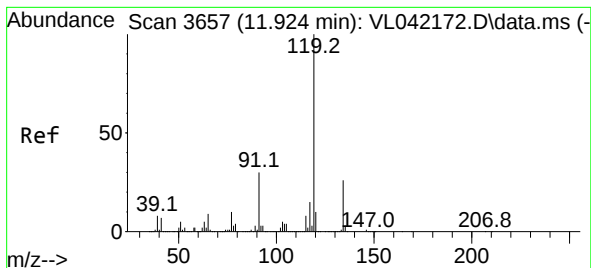
Ion Ratio Lower Upper

95 100

174 60.0 50.6 76.0

175 4.6 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.126 ppbv

RT: 11.927 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-2-04022025

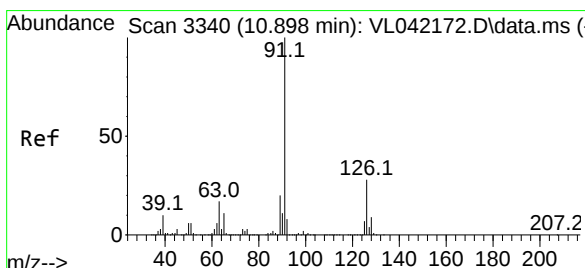
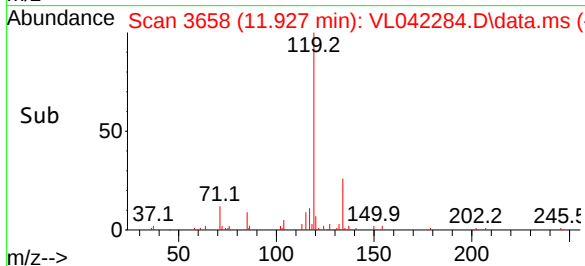
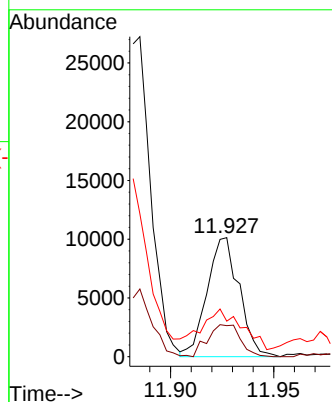
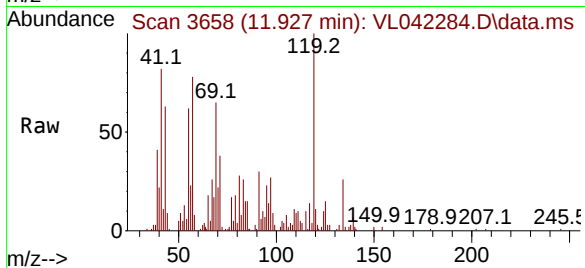
Tgt Ion:119 Resp: 10964

Ion Ratio Lower Upper

119 100

134 27.2 20.4 30.6

91 35.1 23.7 35.5



#71

2-Chlorotoluene

Concen: 1.005 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.094 min

Lab File: VL042284.D

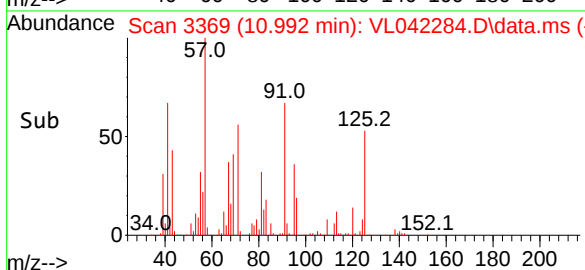
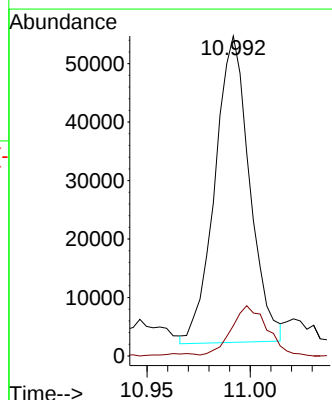
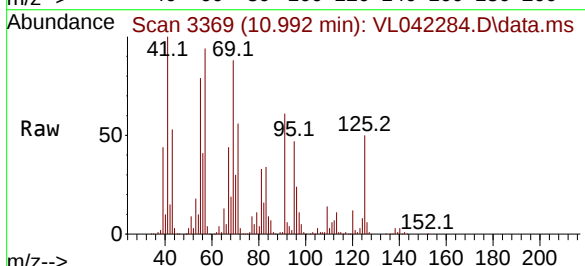
Acq: 09 Apr 2025 03:22

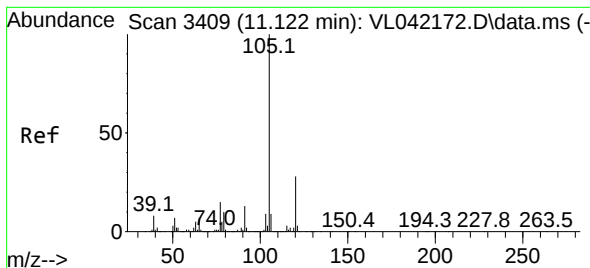
Tgt Ion: 91 Resp: 61255

Ion Ratio Lower Upper

91 100

126 17.9 11.6 46.4





#72

4-Ethyltoluene

Concen: 1.852 ppbv

RT: 11.128 min Scan# 3409

Delta R.T. 0.006 min

Lab File: VL042284.D

Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B2-2-04022025

Tgt Ion:105 Resp: 121091

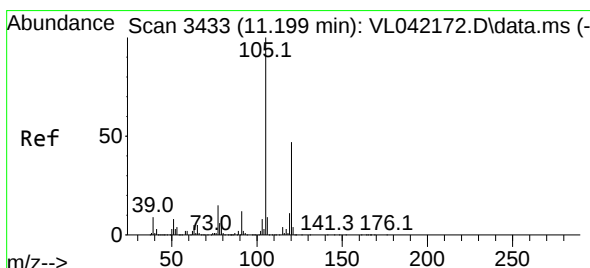
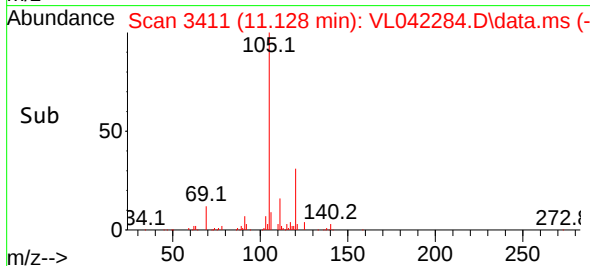
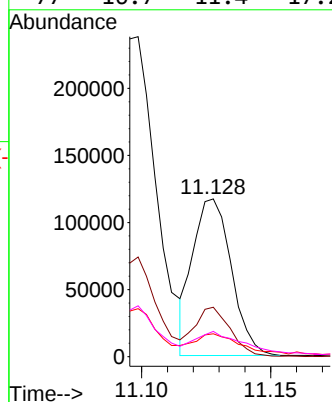
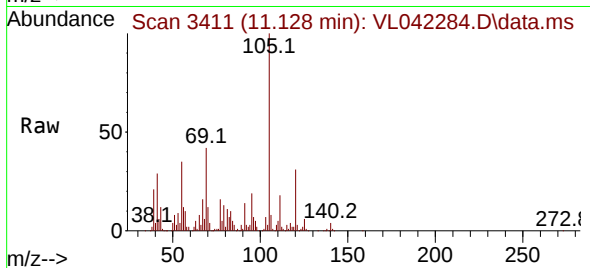
Ion Ratio Lower Upper

105 100

120 0.0 23.4 35.0#

91 0.0 10.3 15.5#

77 16.7 11.4 17.2



#73

1,3,5-Trimethylbenzene

Concen: 4.542 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. 0.006 min

Lab File: VL042284.D

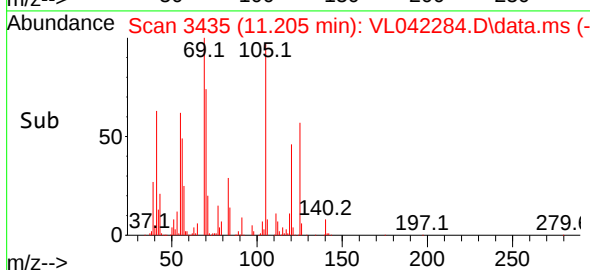
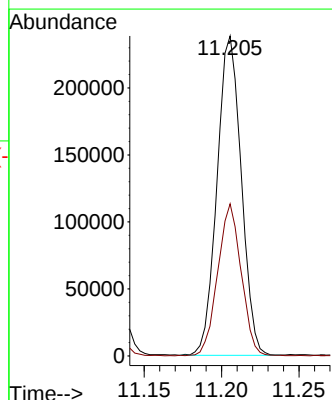
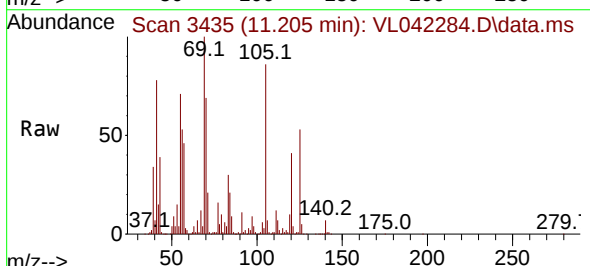
Acq: 09 Apr 2025 03:22

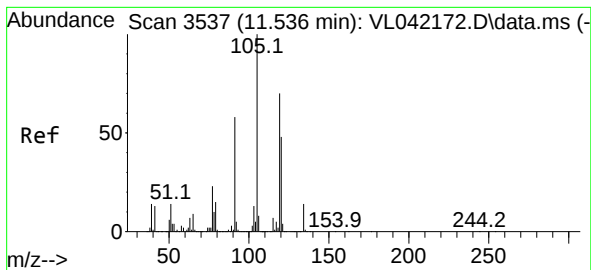
Tgt Ion:105 Resp: 259320

Ion Ratio Lower Upper

105 100

120 47.5 37.4 56.0





#74

1,2,4-Trimethylbenzene

Concen: 5.340 ppbv

RT: 11.539 min Scan# 351

Delta R.T. 0.003 min

Lab File: VL042284.D

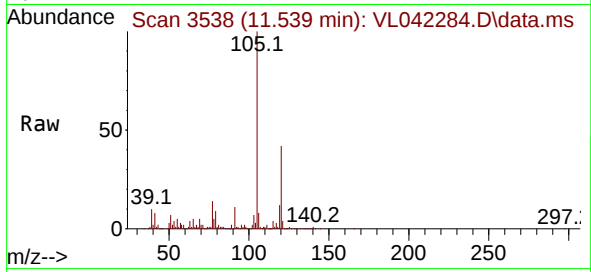
Acq: 09 Apr 2025 03:22

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-2-04022025



Tgt Ion:105 Resp: 351232

Ion Ratio Lower Upper

105 100

120 42.3 38.6 58.0

91 10.7 46.2 69.2#

77 13.6 18.6 27.8#

