

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042263.D
 Acq On : 08 Apr 2025 14:53
 Operator : SY/MD
 Sample : Q1728-08 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-4-04022025

Quant Time: Apr 09 01:56:00 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	2.800	49	164494	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	443030	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.898	117	423016	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	330470	9.513	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	1109	0.046	ppbv #	82
4) Chloromethane	1.538	50	775	0.078	ppbv #	85
7) Chloroethane	1.470	64	3278	0.823	ppbv #	43
8) Dichlorotetrafluoroethane	1.505	85	1109	0.054	ppbv #	17
9) Propene	1.492	41	2802	0.246	ppbv #	15
10) Heptane	5.007	43	3379	0.112	ppbv #	23
13) Ethanol	1.729	45	9619	8.947	ppbv	86
15) Acetone	1.842	43	776044	33.733	ppbv	97
16) 1,3-Butadiene	1.606	39	13867	1.234	ppbv #	20
17) tert-Butyl alcohol	2.052	59	7402	0.258	ppbv	94
19) Isopropyl Alcohol	1.894	45	19147	1.475	ppbv #	1
20) Methylene Chloride	2.072	84	10209	1.192	ppbv	97
21) Allyl Chloride	2.068	41	585	0.036	ppbv #	28
23) Vinyl Acetate	2.483	43	6715	0.674	ppbv #	54
25) Ethyl Acetate	2.842	43	5082	0.085	ppbv #	81
26) Hexane	2.842	57	5541	0.240	ppbv #	39
27) Carbon Disulfide	2.159	76	1809	0.073	ppbv #	6
34) 2-Butanone	2.573	43	14609	0.455	ppbv	99
36) Benzene	3.677	78	2129	0.048	ppbv #	79
38) Trichloroethene	4.574	130	734	0.040	ppbv #	61
39) 1,2-Dichloropropane	3.978	63	113032	7.067	ppbv #	23
44) 2,2,4-Trimethylpentane	4.661	57	11216	0.151	ppbv #	80
51) 2-Hexanone	7.474	43	12863	0.308	ppbv #	42
53) Toluene	6.959	91	48553	0.933	ppbv	98
57) Chlorobenzene	8.943	112	1636	0.041	ppbv #	60
58) Ethyl Benzene	9.370	91	53186	0.708	ppbv	97
59) m/p-Xylene	9.548	91	591775	9.863	ppbv	100
60) o-Xylene	9.979	91	449997	7.482	ppbv	97
62) Isopropylbenzene	10.552	105	25164	0.280	ppbv	99
63) 1,1,2,2-Tetrachloroethane	10.001	83	2403	0.066	ppbv #	25
64) n-propylbenzene	11.002	120	6217	0.269	ppbv	65
65) tert-Butylbenzene	11.549	119	35615	0.428	ppbv #	74
66) Benzyl Chloride	11.649	91	1117	0.127	ppbv #	58
67) sec-Butylbenzene	11.782	105	14275	0.123	ppbv #	53
69) p-Isopropyltoluene	11.940	119	15445	0.155	ppbv	94
70) n-Butylbenzene	12.303	91	4674	0.046	ppbv #	1
71) 2-Chlorotoluene	11.215	91	26381	0.378	ppbv	79
72) 4-Ethyltoluene	11.138	105	97907	1.307	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.218	105	211978	3.241	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	284630	3.777	ppbv #	65

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

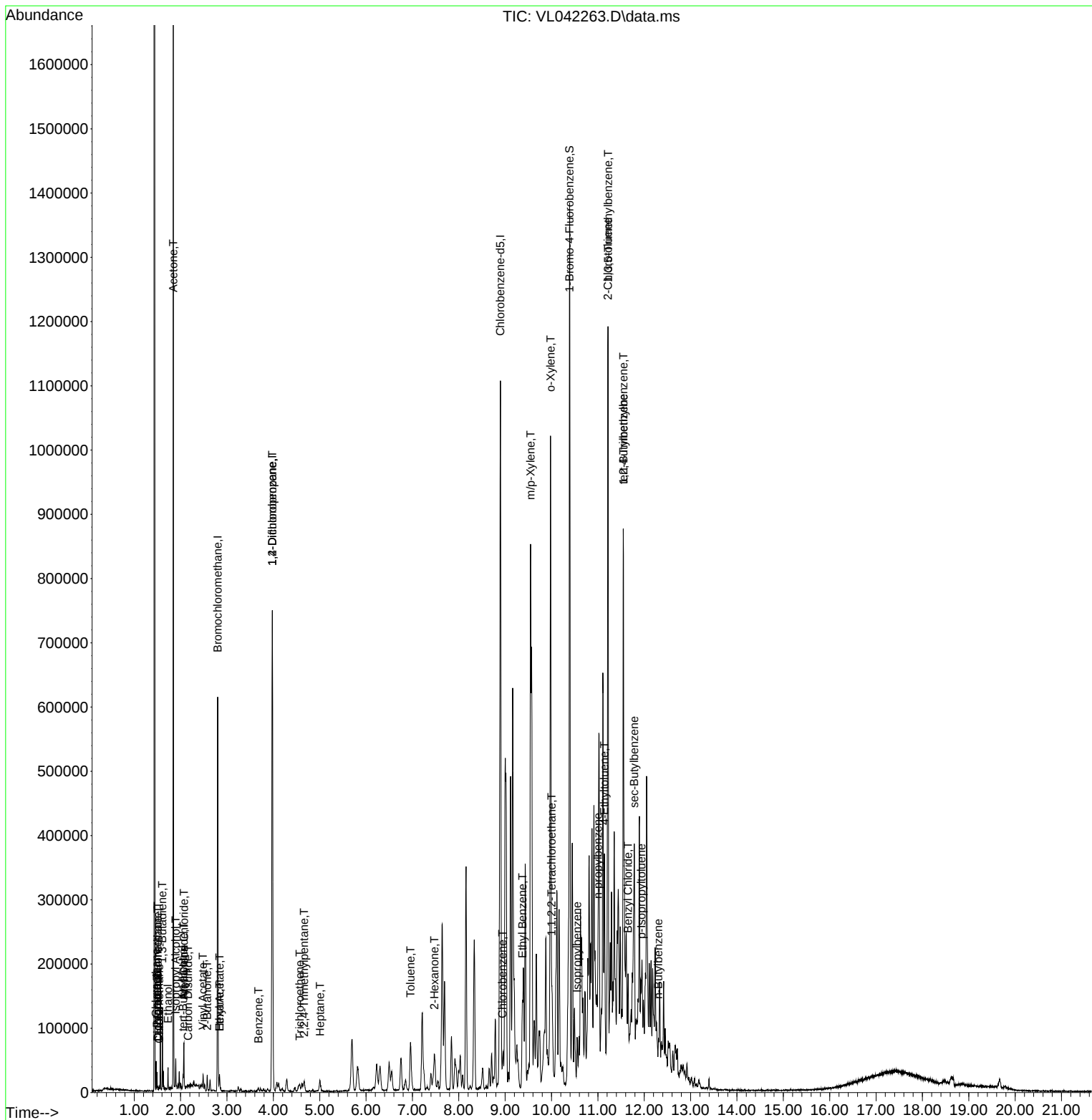
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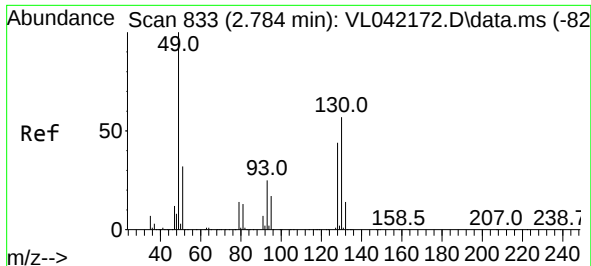
MSVOA_L

ClientSampleId :

SSSG-B2-4-04022025

Quant Time: Apr 09 01:56:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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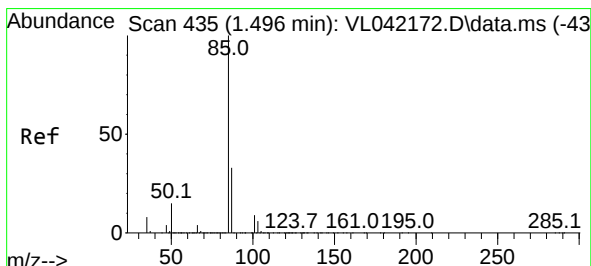
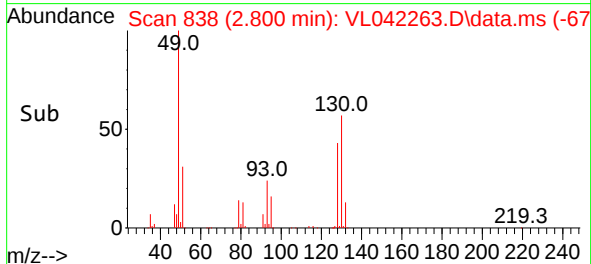
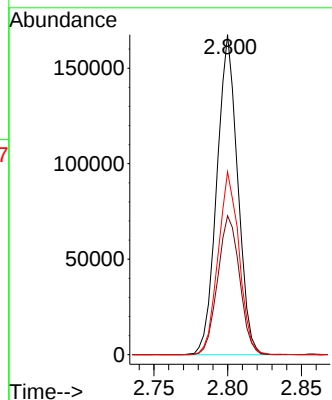
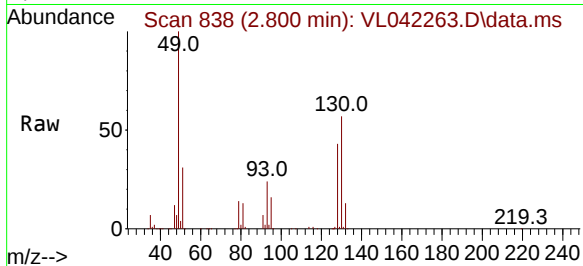




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

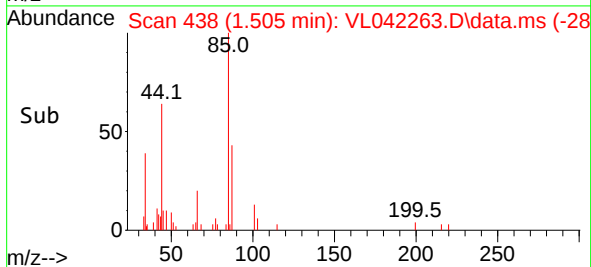
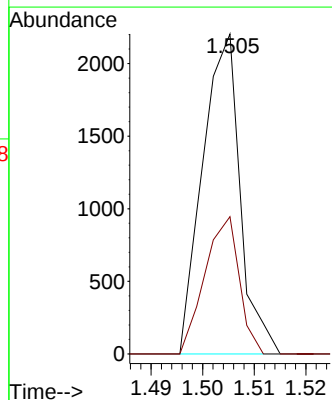
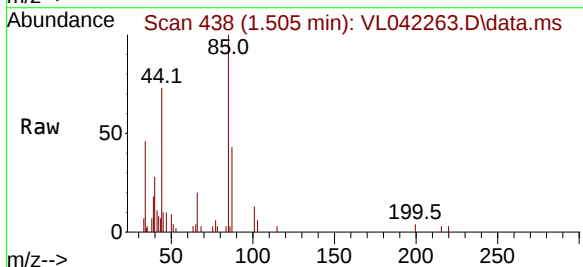
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

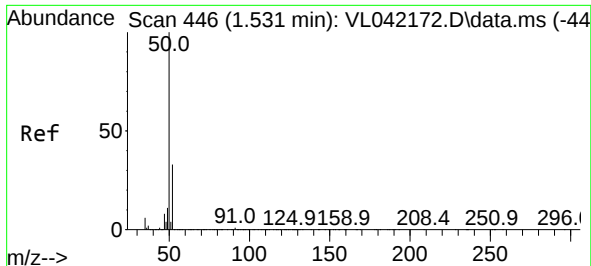
Tgt Ion: 49 Resp: 164494
Ion Ratio Lower Upper
49 100
128 45.6 22.9 68.5
130 57.5 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 0.046 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 85 Resp: 1109
Ion Ratio Lower Upper
85 100
87 42.9 26.1 39.1#

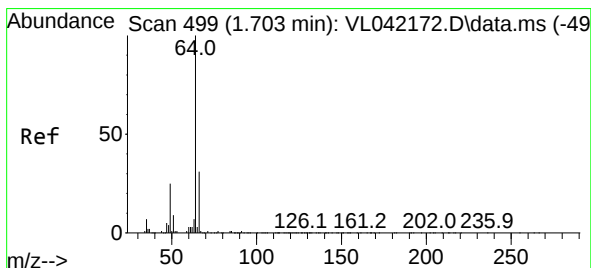
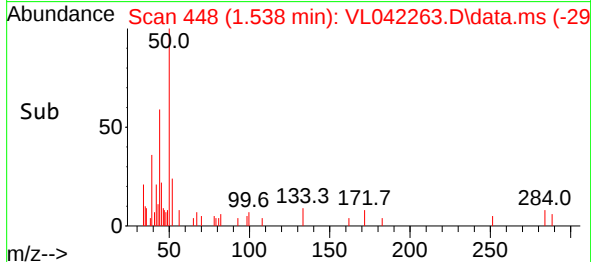
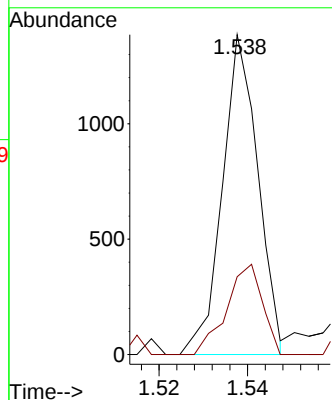
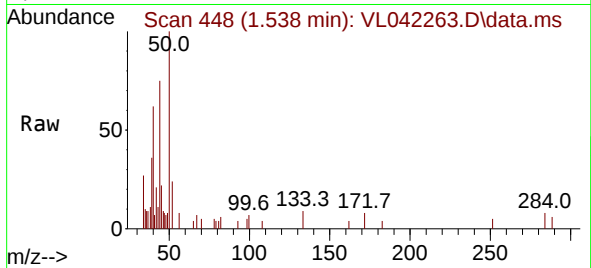




#4
Chloromethane
Concen: 0.078 ppbv
RT: 1.538 min Scan# 446
Delta R.T. 0.006 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

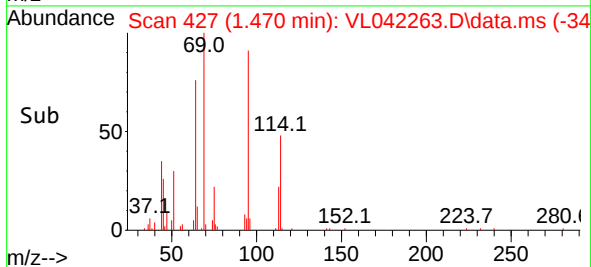
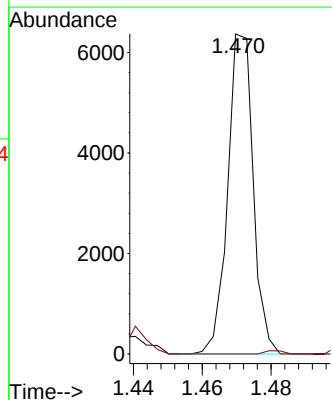
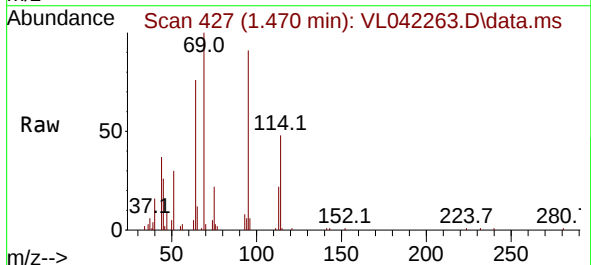
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

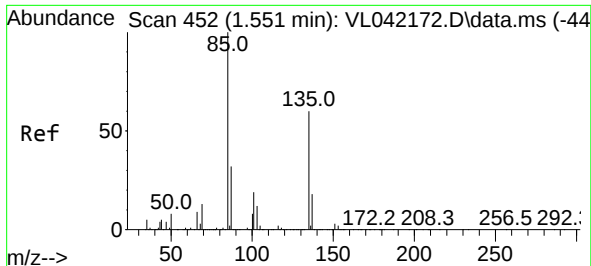
Tgt Ion: 50 Resp: 775
Ion Ratio Lower Upper
50 100
52 24.3 26.1 39.1#



#7
Chloroethane
Concen: 0.823 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.233 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 64 Resp: 3278
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

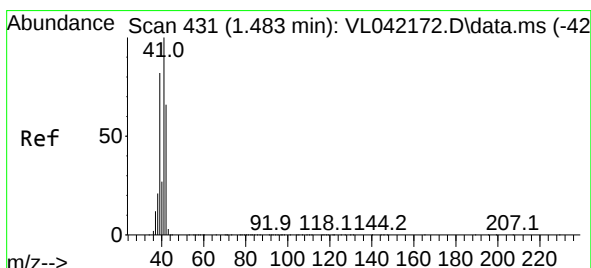
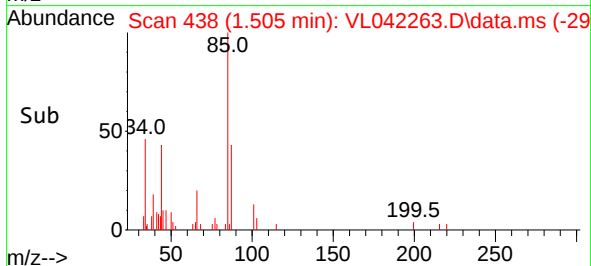
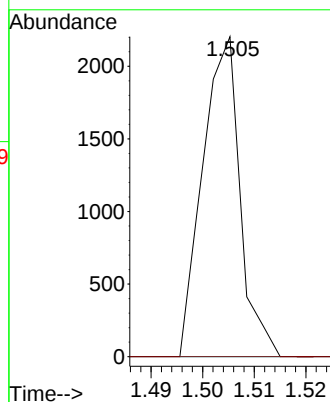
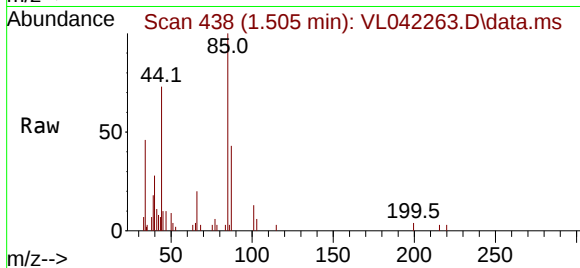




#8
Dichlorotetrafluoroethane
Concen: 0.054 ppbv
RT: 1.505 min Scan# 411
Delta R.T. -0.046 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

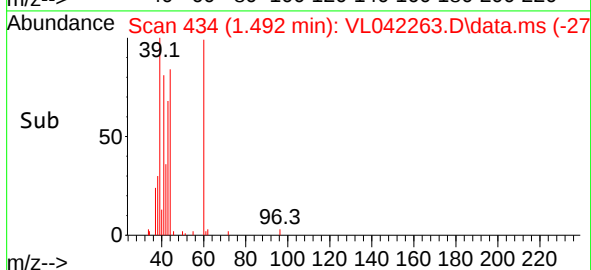
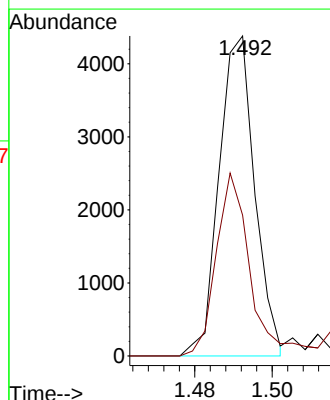
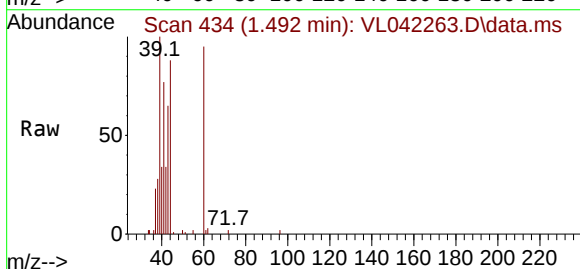
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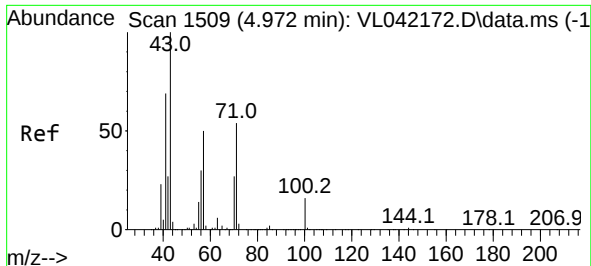
Tgt Ion: 85 Resp: 1109
Ion Ratio Lower Upper
85 100
135 0.0 52.4 78.6#



#9
Propene
Concen: 0.246 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 41 Resp: 2802
Ion Ratio Lower Upper
41 100
42 0.0 55.4 83.2#

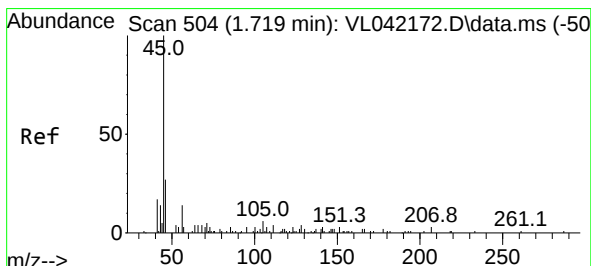
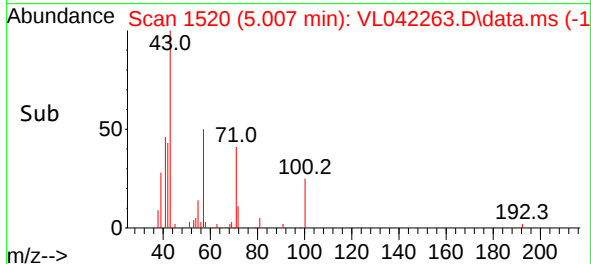
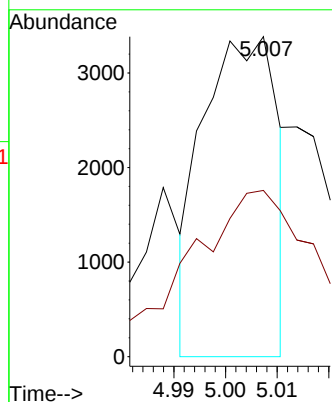
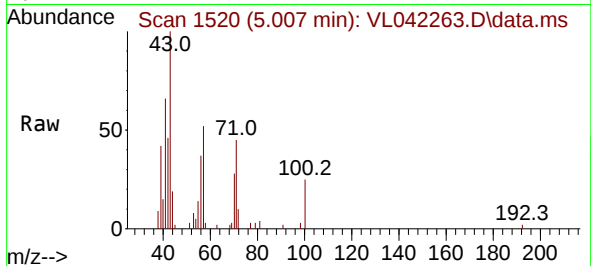




#10
Heptane
Concen: 0.112 ppbv
RT: 5.007 min Scan# 11
Delta R.T. 0.035 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

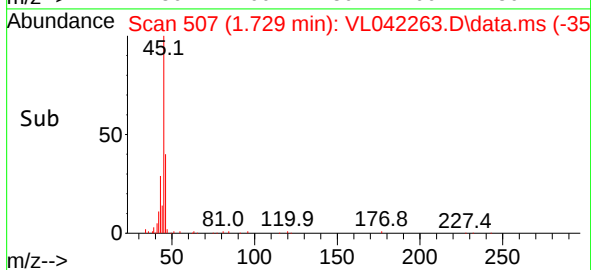
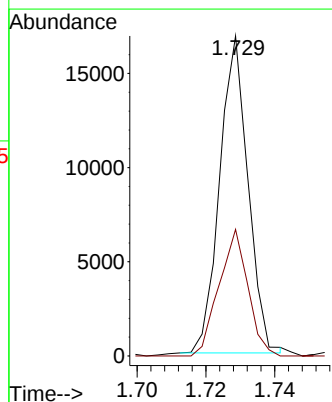
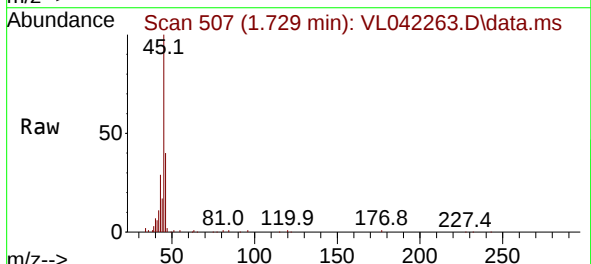
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

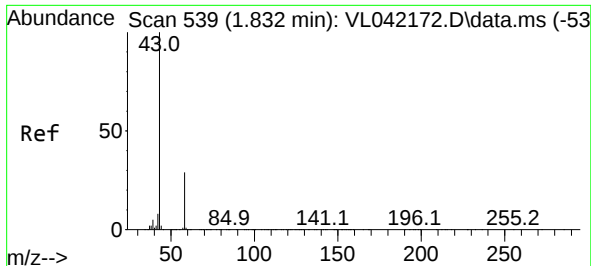
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
57 102.1 39.4 59.2#



#13
Ethanol
Concen: 8.947 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 45 Resp: 9619
Ion Ratio Lower Upper
45 100
46 40.8 20.2 80.8





#15

Acetone

Concen: 33.733 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.010 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

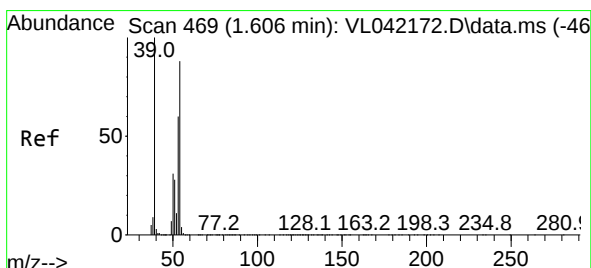
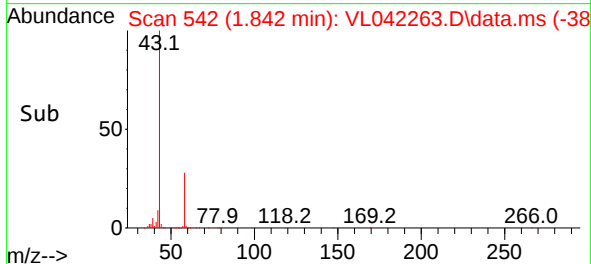
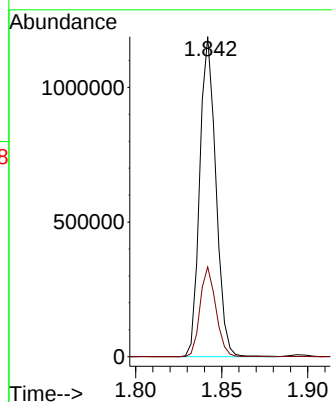
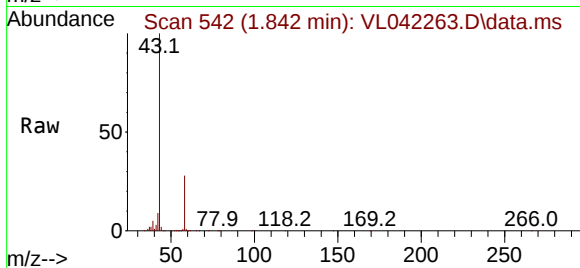
SSSG-B2-4-04022025

Tgt Ion: 43 Resp: 776044

Ion Ratio Lower Upper

43 100

58 27.5 23.2 34.8



#16

1,3-Butadiene

Concen: 1.234 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL042263.D

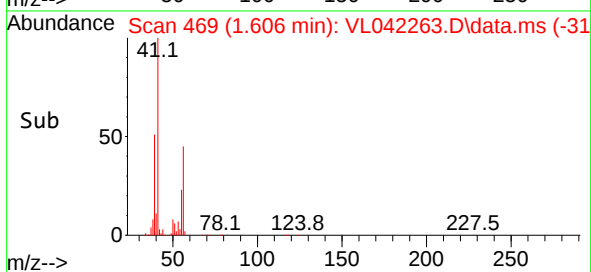
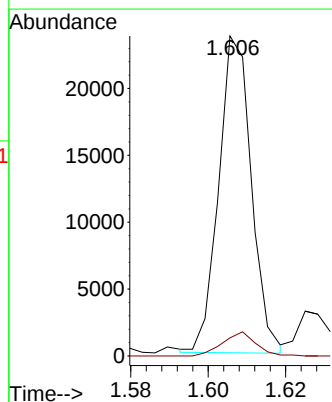
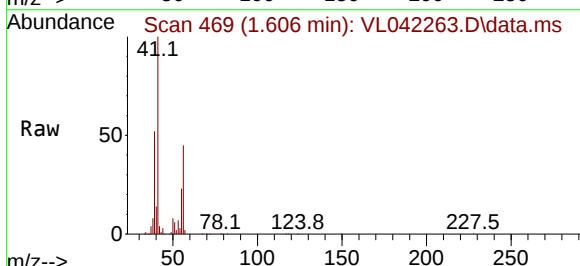
Acq: 08 Apr 2025 14:53

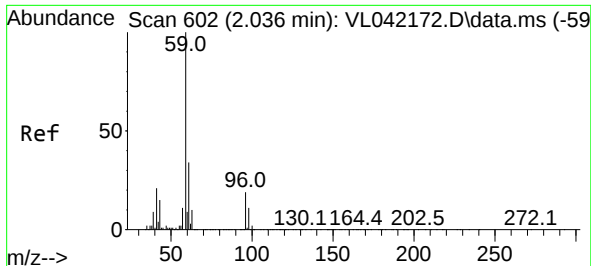
Tgt Ion: 39 Resp: 13867

Ion Ratio Lower Upper

39 100

54 7.7 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.258 ppbv

RT: 2.052 min Scan# 602

Delta R.T. 0.016 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

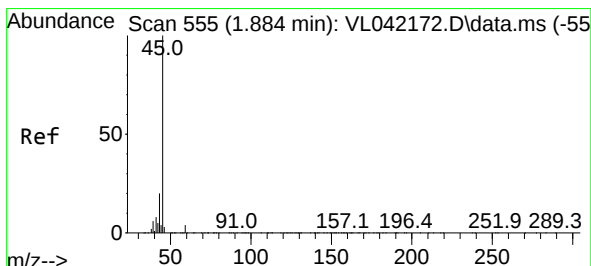
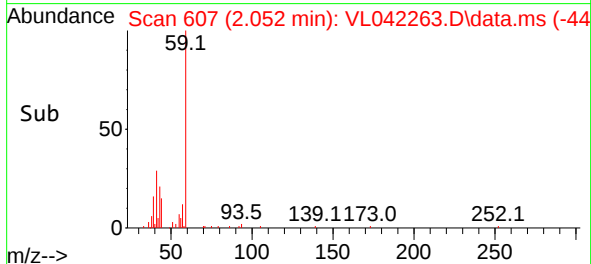
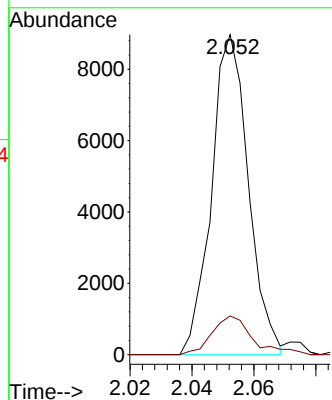
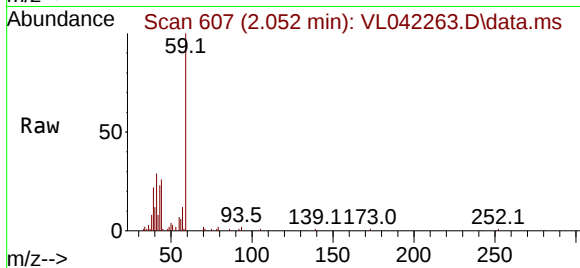
SSSG-B2-4-04022025

Tgt Ion: 59 Resp: 7402

Ion Ratio Lower Upper

59 100

57 13.3 8.9 13.3



#19

Isopropyl Alcohol

Concen: 1.475 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.010 min

Lab File: VL042263.D

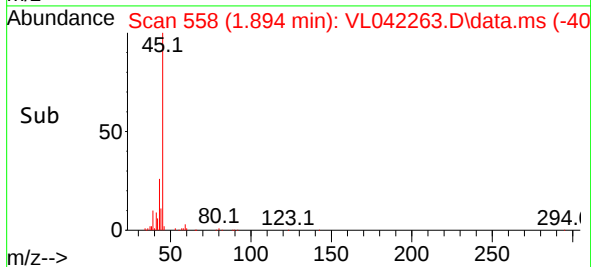
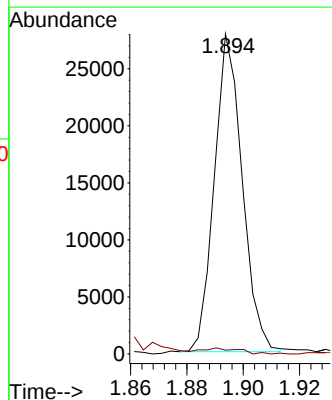
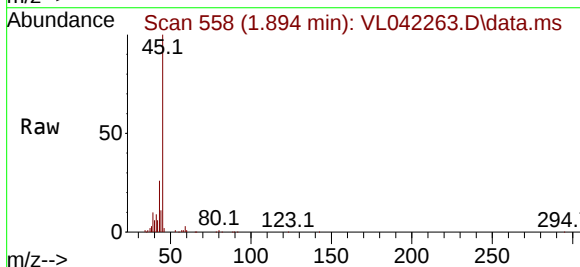
Acq: 08 Apr 2025 14:53

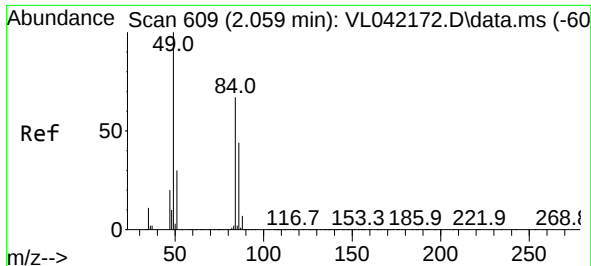
Tgt Ion: 45 Resp: 19147

Ion Ratio Lower Upper

45 100

58 1113.8 36.9 55.3#

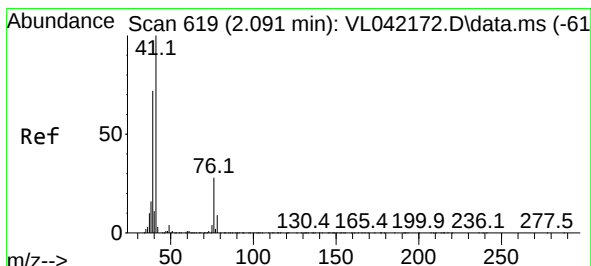
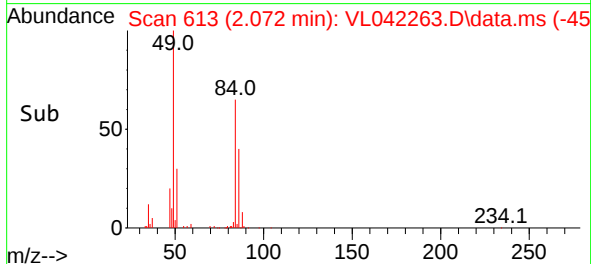
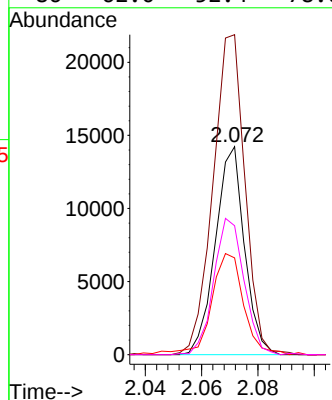
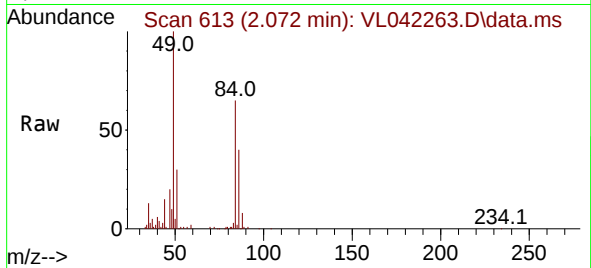




#20
Methylene Chloride
Concen: 1.192 ppbv
RT: 2.072 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

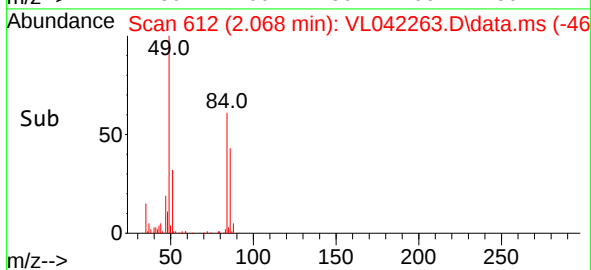
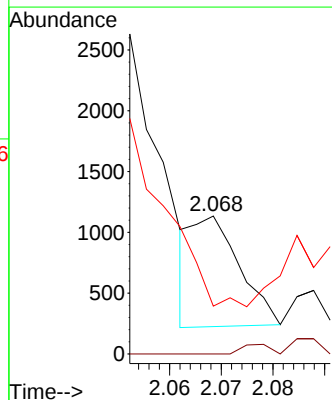
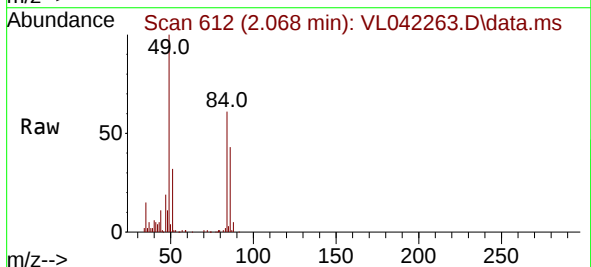
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MSVOA_1
ClientSampleId :
SSSG-B2-4-04022025

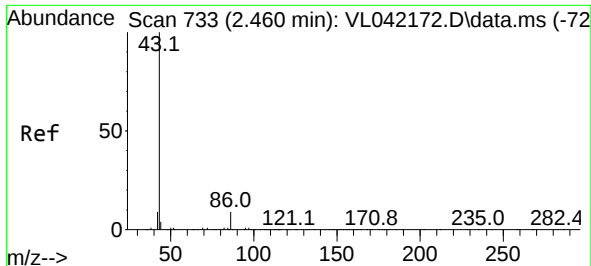
Tgt Ion: 84	Resp: 10209
Ion Ratio	Lower Upper
84 100	
49 152.9	120.2 180.4
51 45.0	37.4 56.0
86 62.0	52.4 78.6



#21
Allyl Chloride
Concen: 0.036 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.023 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 41	Resp: 585
Ion Ratio	Lower Upper
41 100	
76 13.3	24.1 36.1#
39 0.0	61.1 91.7#

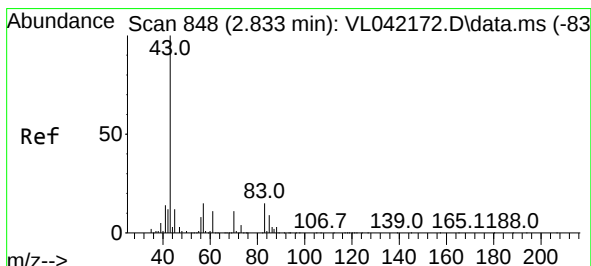
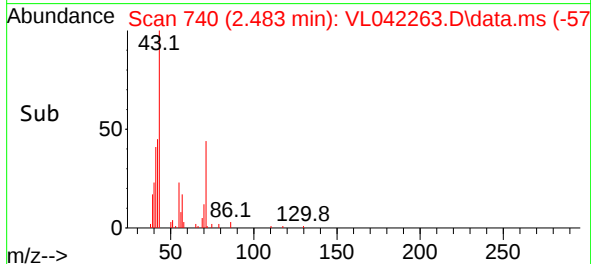
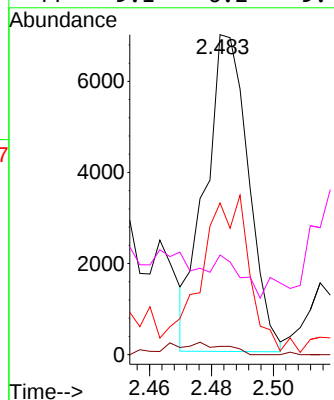
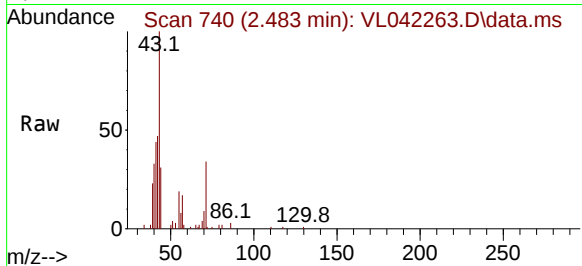




#23
 Vinyl Acetate
 Concen: 0.674 ppbv
 RT: 2.483 min Scan# 741
 Delta R.T. 0.022 min
 Lab File: VL042263.D
 Acq: 08 Apr 2025 14:53

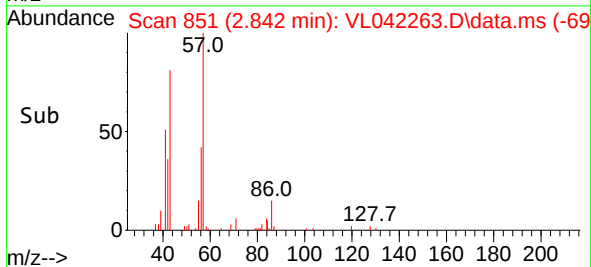
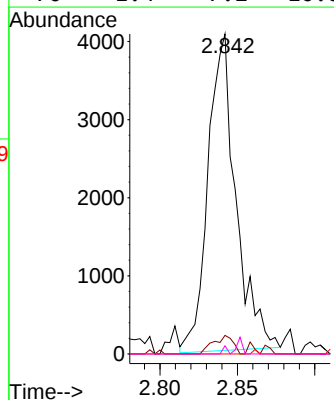
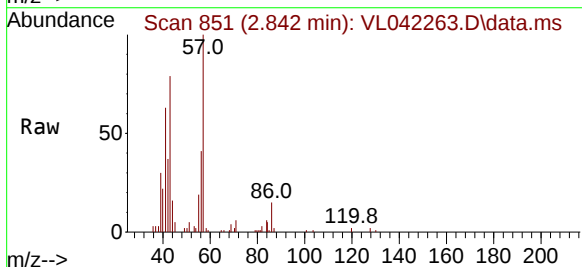
Instrument :
 MSVOA_1
 ClientSampleId :
 SSSG-B2-4-04022025

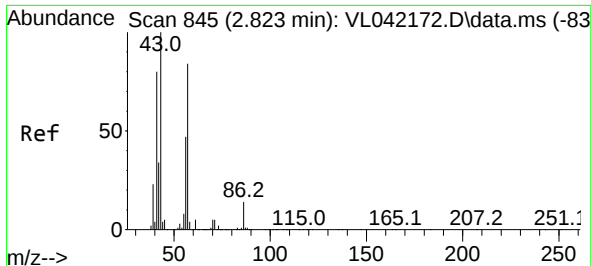
Tgt Ion:	43	Resp:	6715
Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.5	8.3#
42	48.2	8.6	13.0#
44	9.1	6.2	9.4



#25
 Ethyl Acetate
 Concen: 0.085 ppbv
 RT: 2.842 min Scan# 851
 Delta R.T. 0.010 min
 Lab File: VL042263.D
 Acq: 08 Apr 2025 14:53

Tgt Ion:	43	Resp:	5082
Ion	Ratio	Lower	Upper
43	100		
45	5.6	8.2	12.2#
61	0.2	7.3	10.9#
70	1.4	7.2	10.8#

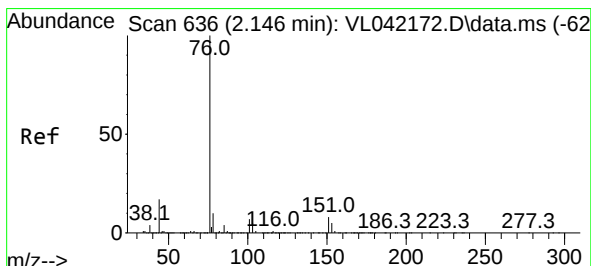
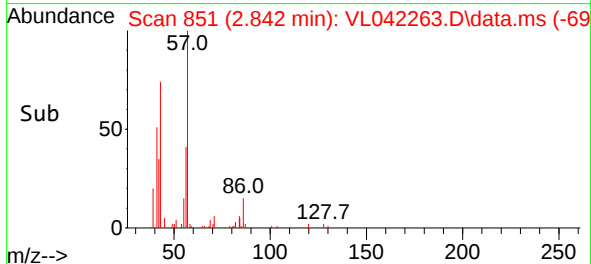
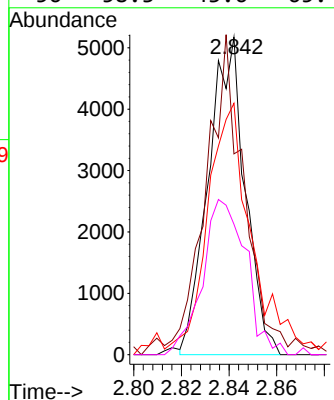
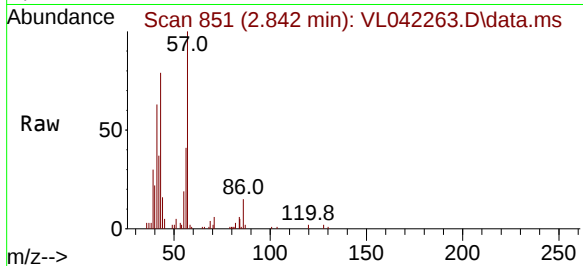




#26
Hexane
Concen: 0.240 ppbv
RT: 2.842 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

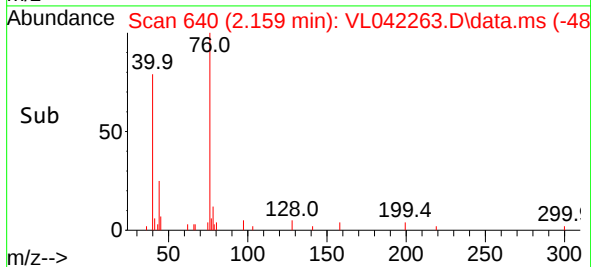
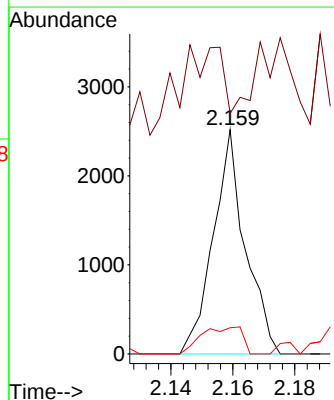
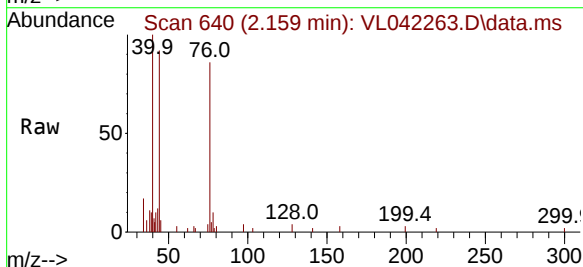
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

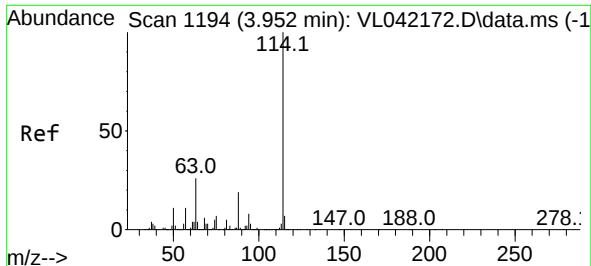
Tgt Ion: 57	Resp: 5541
Ion Ratio	Lower Upper
57 100	
41 107.4	76.6 114.8
43 98.8	207.8 311.8#
56 58.3	43.6 65.4



#27
Carbon Disulfide
Concen: 0.073 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 76	Resp: 1809
Ion Ratio	Lower Upper
76 100	
44 77.2	14.7 22.1#
78 24.7	9.3 13.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 1194

Delta R.T. 0.026 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-4-04022025

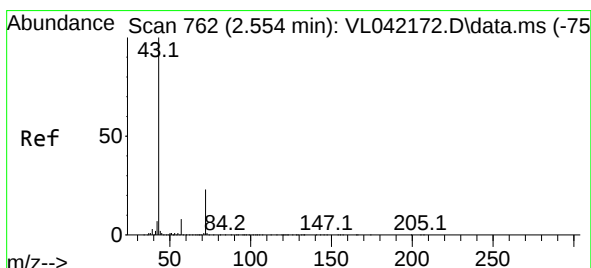
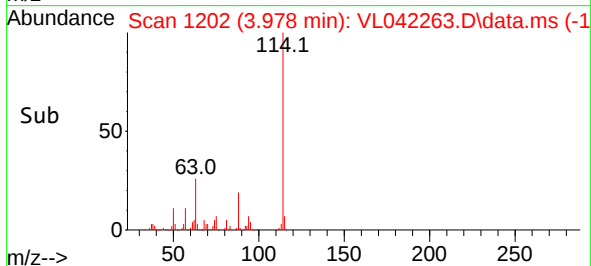
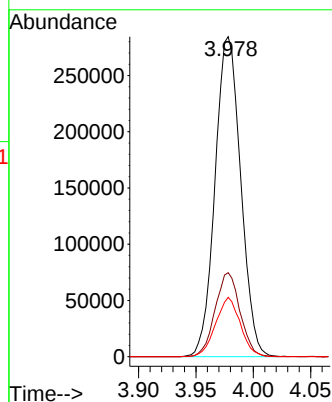
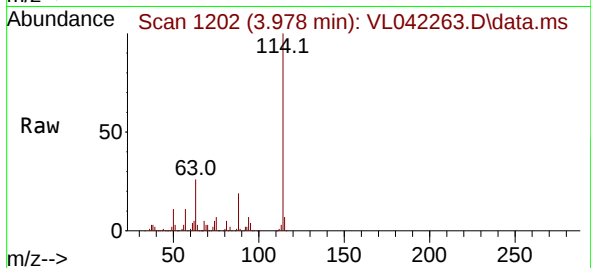
Tgt Ion:114 Resp: 443030

Ion Ratio Lower Upper

114 100

63 25.6 20.7 31.1

88 17.8 15.0 22.4



#34

2-Butanone

Concen: 0.455 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.019 min

Lab File: VL042263.D

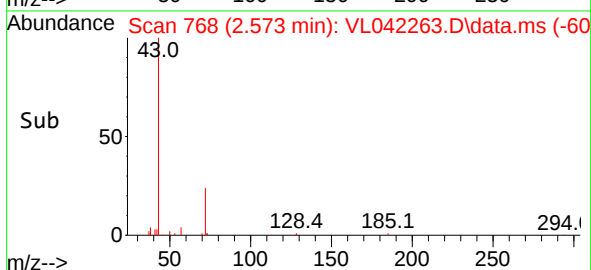
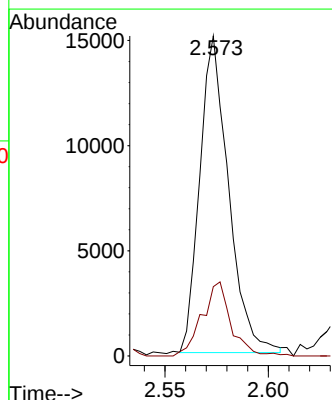
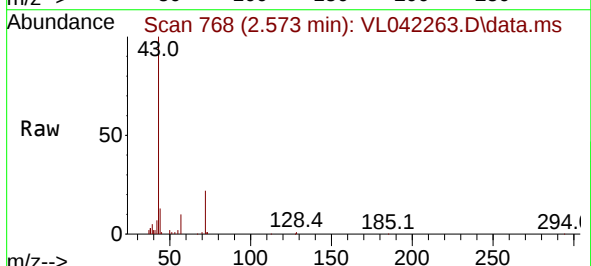
Acq: 08 Apr 2025 14:53

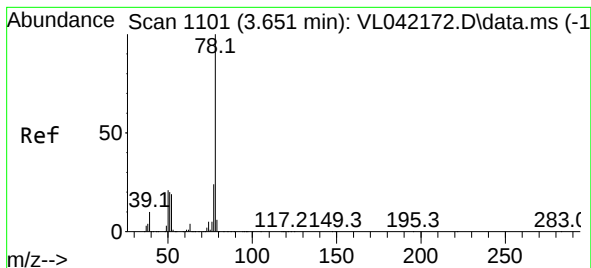
Tgt Ion: 43 Resp: 14609

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.2





#36

Benzene

Concen: 0.048 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.026 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-4-04022025

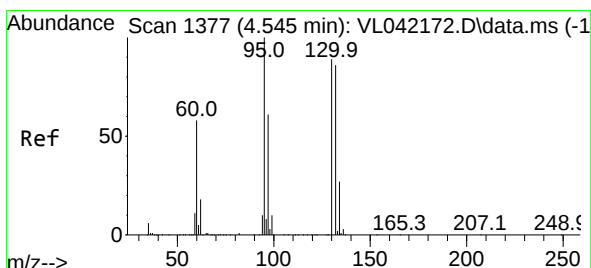
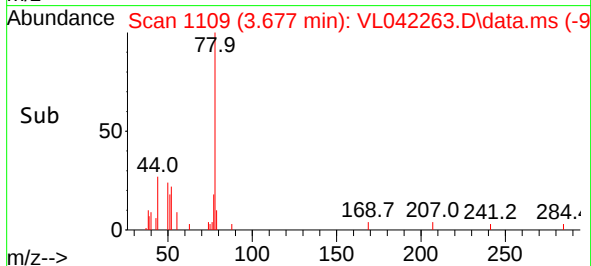
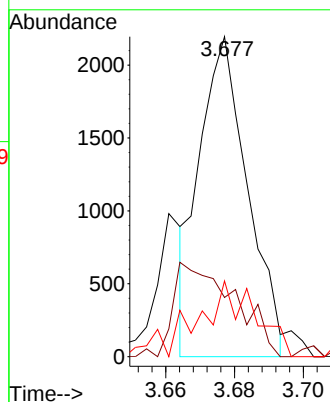
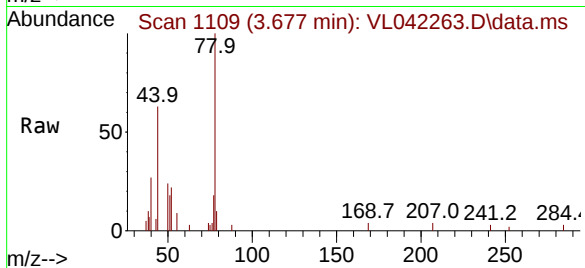
Tgt Ion: 78 Resp: 2129

Ion Ratio Lower Upper

78 100

77 11.2 19.1 28.7#

50 13.8 16.6 24.8#



#38

Trichloroethene

Concen: 0.040 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.029 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Tgt Ion: 130 Resp: 734

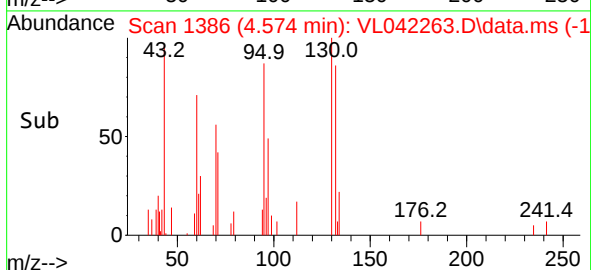
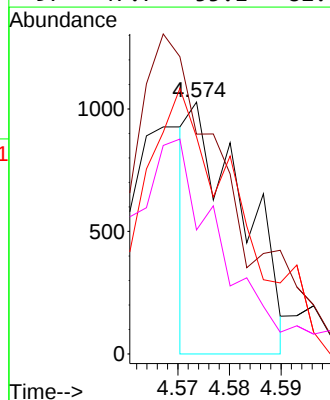
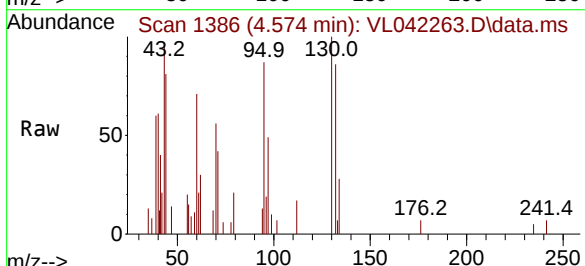
Ion Ratio Lower Upper

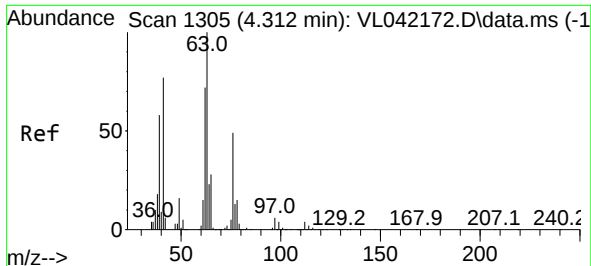
130 100

95 54.2 89.8 134.8#

132 68.2 77.4 116.2#

97 47.7 55.1 82.7#





#39

1,2-Dichloropropane

Concen: 7.067 ppbv

RT: 3.978 min Scan# 1130

Delta R.T. -0.334 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B2-4-04022025

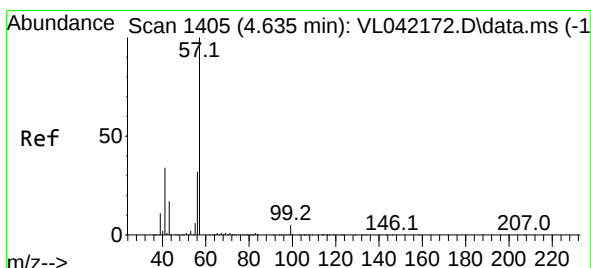
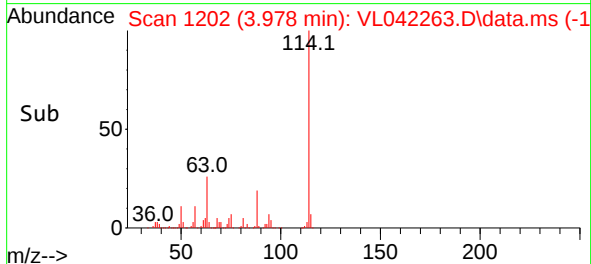
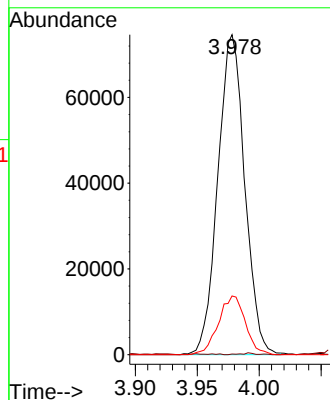
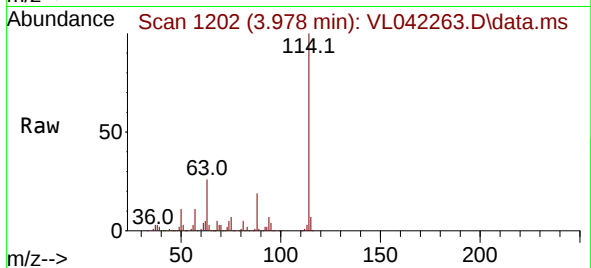
Tgt Ion: 63 Resp: 113032

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 18.3 57.6 86.4#



#44

2,2,4-Trimethylpentane

Concen: 0.151 ppbv

RT: 4.661 min Scan# 1413

Delta R.T. 0.026 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

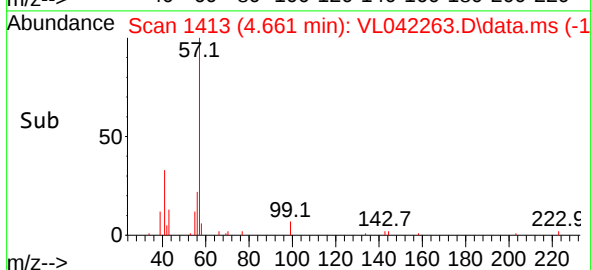
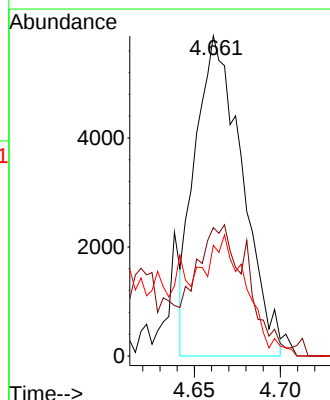
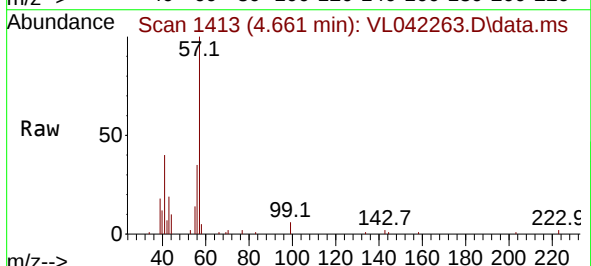
Tgt Ion: 57 Resp: 11216

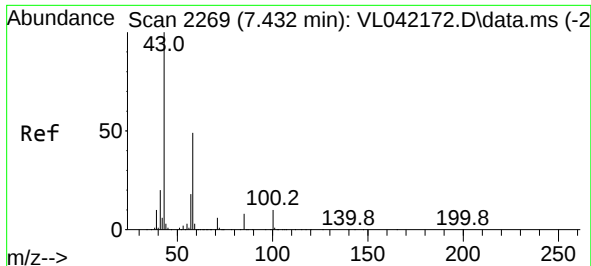
Ion Ratio Lower Upper

57 100

41 52.8 26.8 40.2#

56 35.2 25.6 38.4

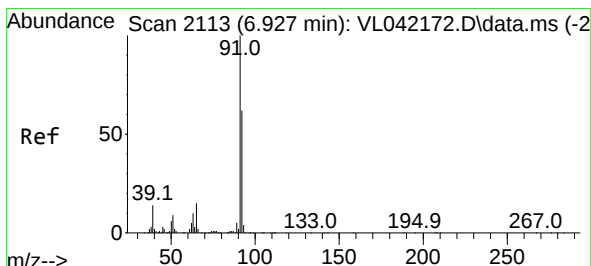
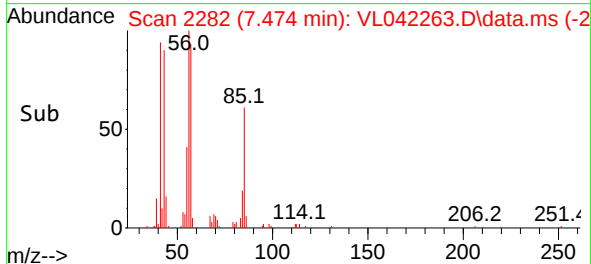
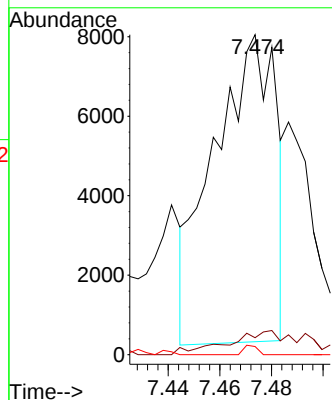
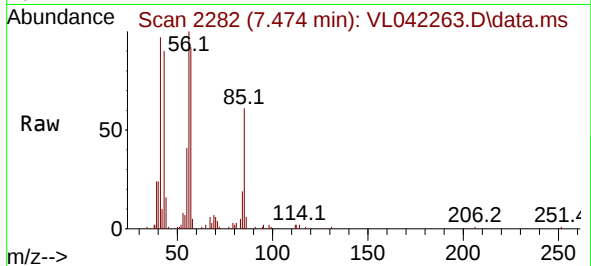




#51
2-Hexanone
Concen: 0.308 ppbv
RT: 7.474 min Scan# 2123
Delta R.T. 0.042 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

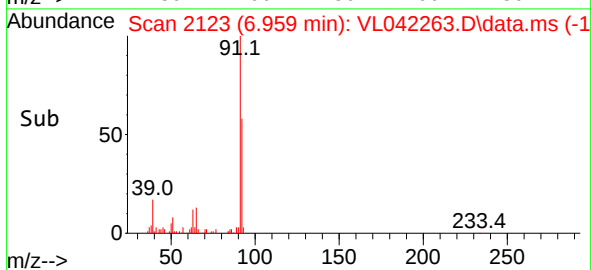
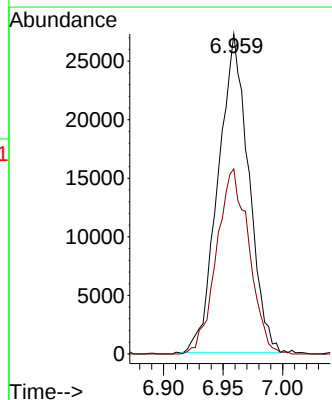
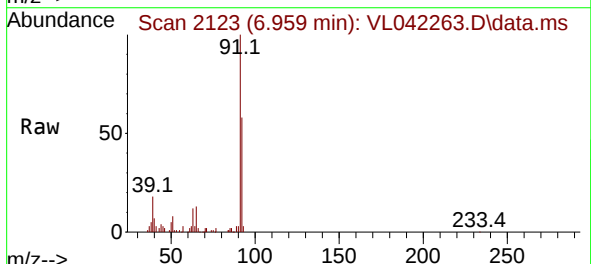
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

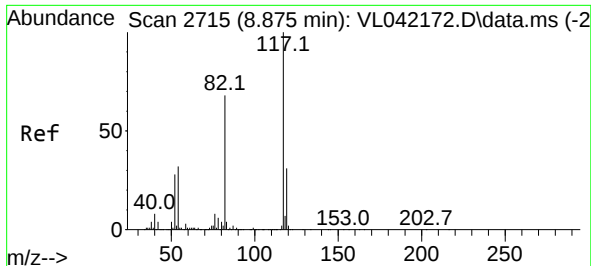
Tgt Ion: 43 Resp: 12863
Ion Ratio Lower Upper
43 100
58 9.6 39.7 59.5#
98 0.0 0.1 0.1#



#53
Toluene
Concen: 0.933 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. 0.032 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 91 Resp: 48553
Ion Ratio Lower Upper
91 100
92 61.7 48.4 72.6

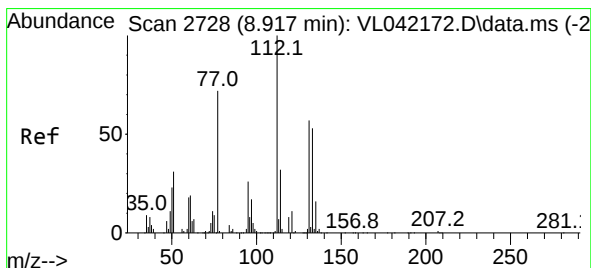
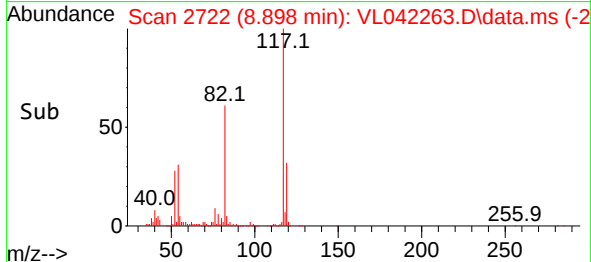
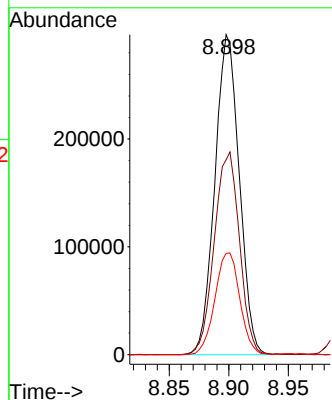
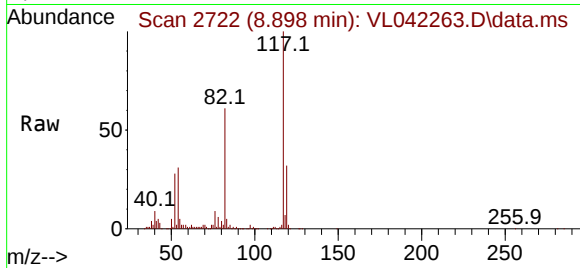




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

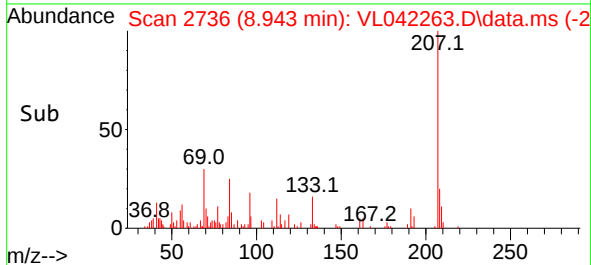
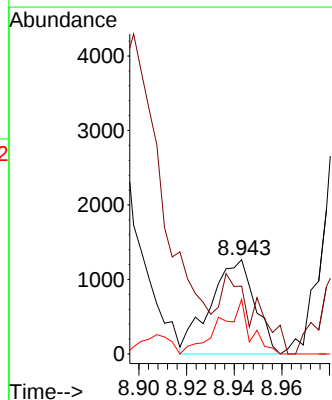
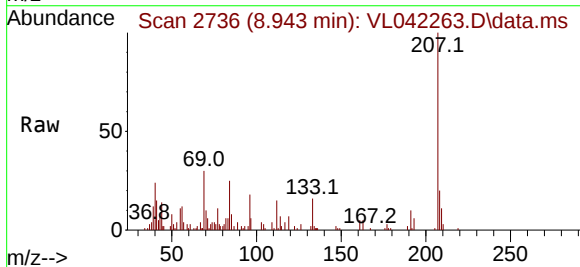
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

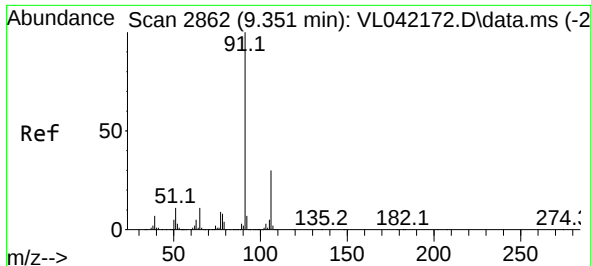
Tgt Ion:	117	Resp:	423016
Ion	Ratio	Lower	Upper
117	100		
82	65.4	55.8	83.6
119	32.5	25.5	38.3



#57
Chlorobenzene
Concen: 0.041 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.026 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion:	112	Resp:	1636
Ion	Ratio	Lower	Upper
112	100		
77	37.8	58.2	87.2#
114	53.0	29.1	35.5#

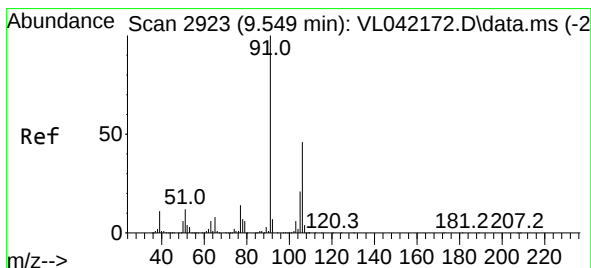
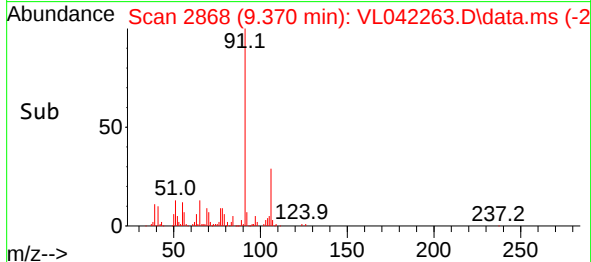
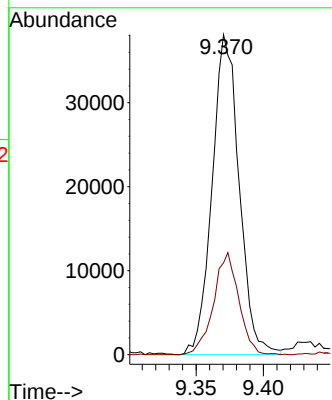
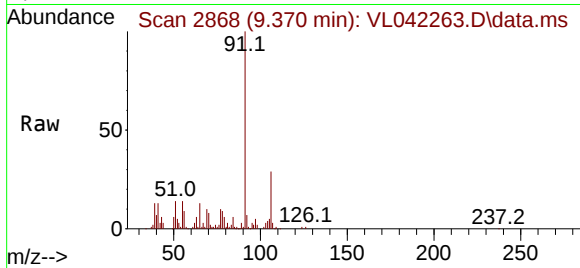




#58
Ethyl Benzene
Concen: 0.708 ppbv
RT: 9.370 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

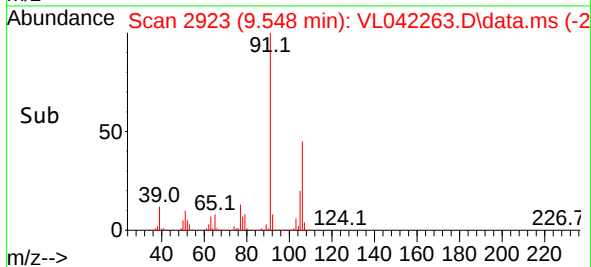
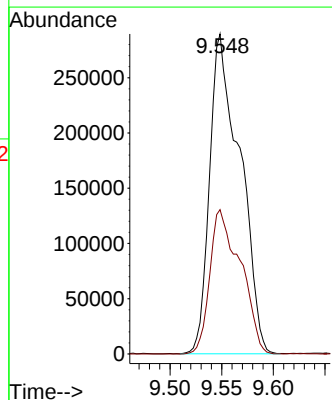
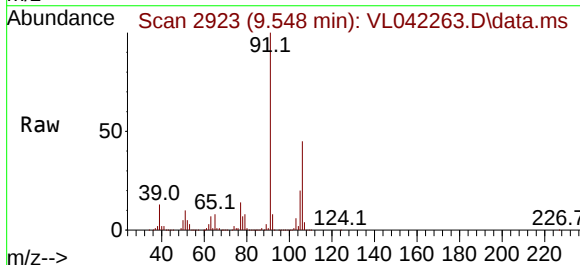
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B2-4-04022025

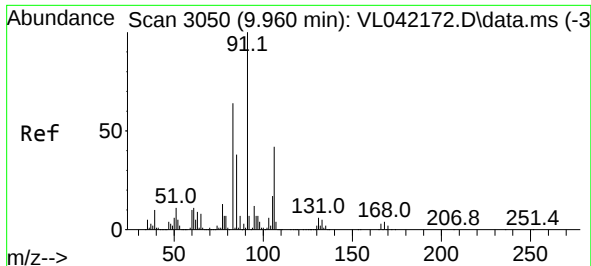
Tgt Ion: 91 Resp: 53186
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2



#59
m/p-Xylene
Concen: 9.863 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 91 Resp: 591775
Ion Ratio Lower Upper
91 100
106 45.6 36.4 54.6

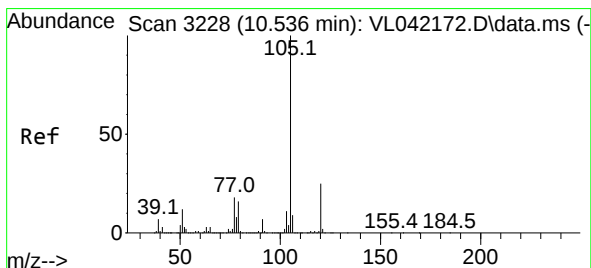
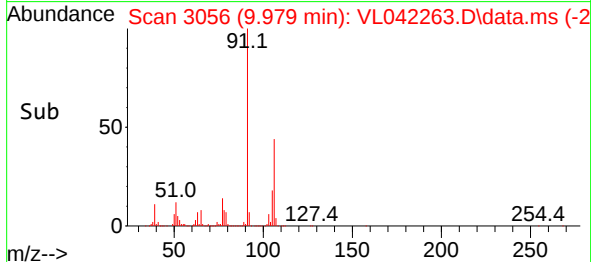
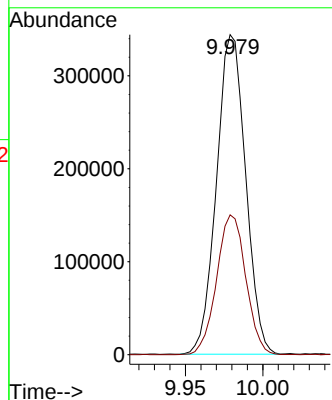
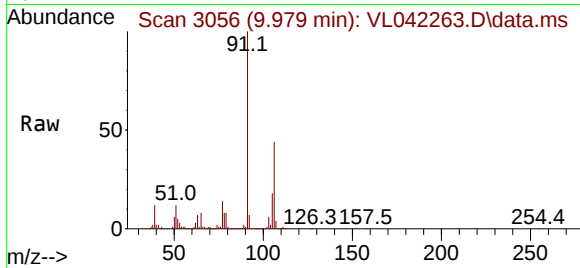




#60
o-Xylene
Concen: 7.482 ppbv
RT: 9.979 min Scan# 3050
Delta R.T. 0.019 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

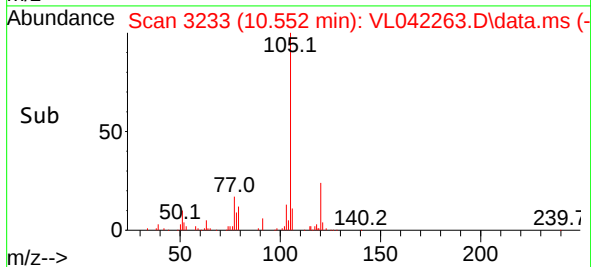
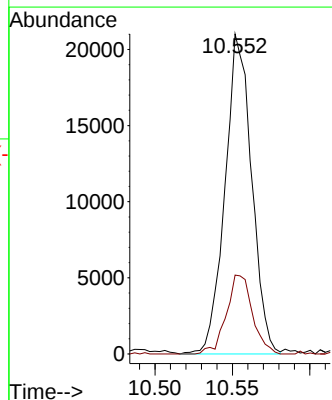
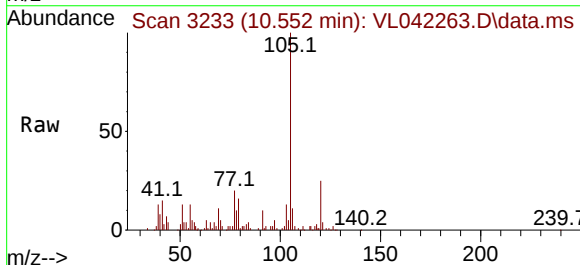
Instrument : MSVOA_L
ClientSampleId : SSSG-B2-4-04022025

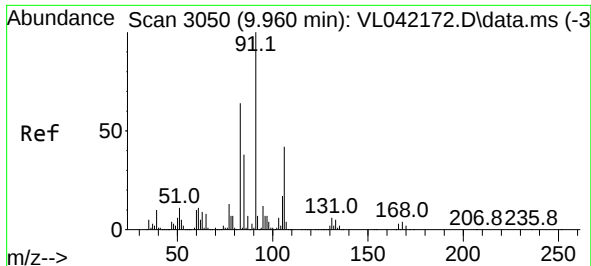
Tgt Ion: 91 Resp: 449997
Ion Ratio Lower Upper
91 100
106 43.9 20.8 62.5



#62
Isopropylbenzene
Concen: 0.280 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.016 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 105 Resp: 25164
Ion Ratio Lower Upper
105 100
120 24.3 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.066 ppbv

RT: 10.001 min Scan# 3050

Delta R.T. 0.042 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-4-04022025

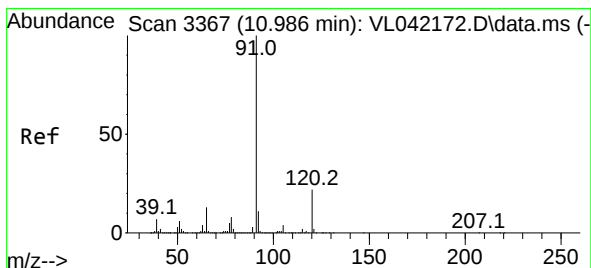
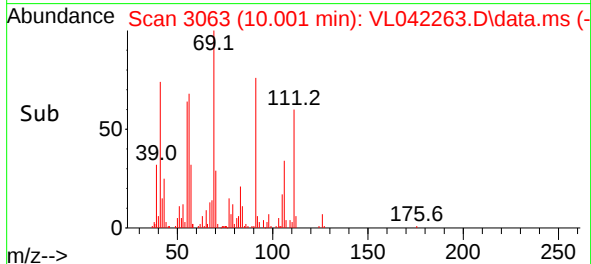
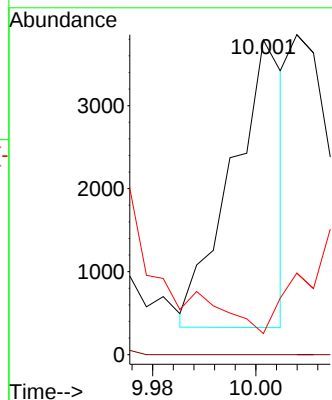
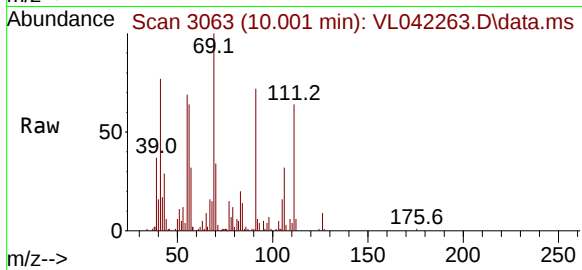
Tgt Ion: 83 Resp: 2403

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 0.0 32.5 97.5#



#64

n-propylbenzene

Concen: 0.269 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. 0.016 min

Lab File: VL042263.D

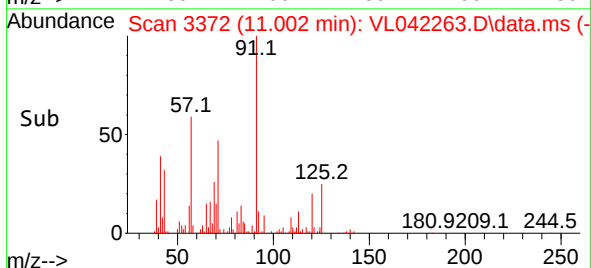
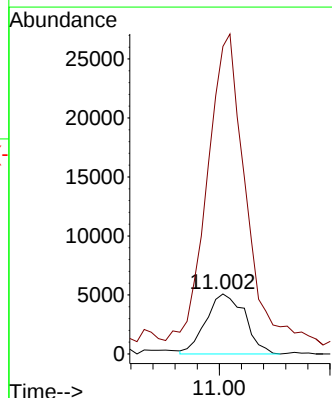
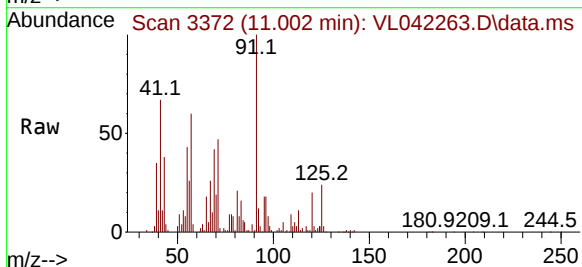
Acq: 08 Apr 2025 14:53

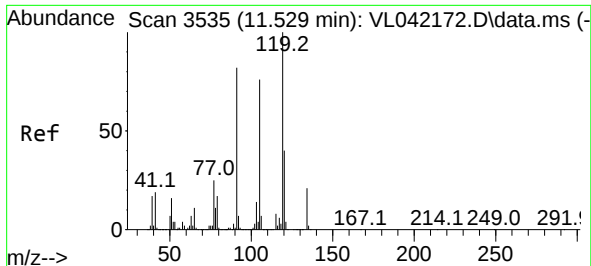
Tgt Ion: 120 Resp: 6217

Ion Ratio Lower Upper

120 100

91 564.3 376.9 565.3

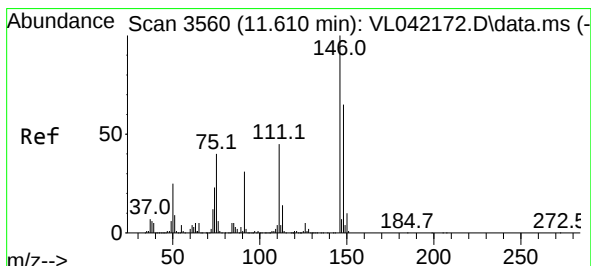
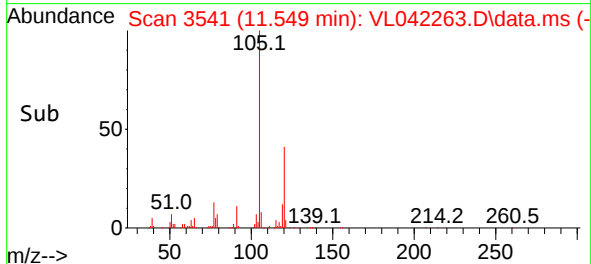
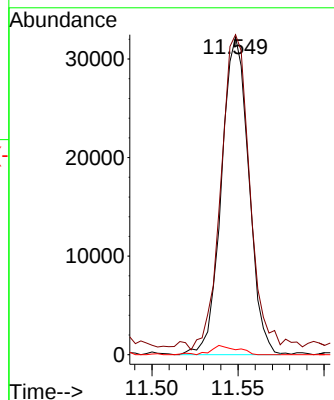
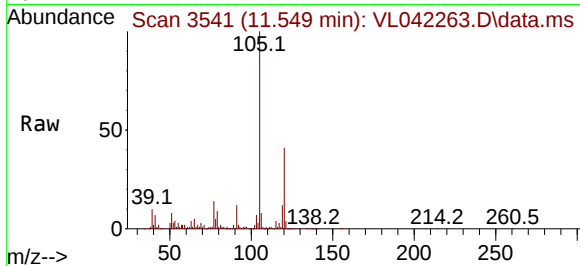




#65
tert-Butylbenzene
Concen: 0.428 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.019 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

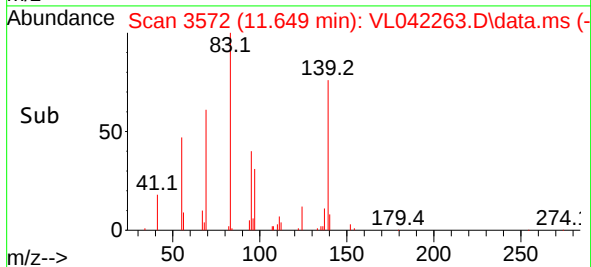
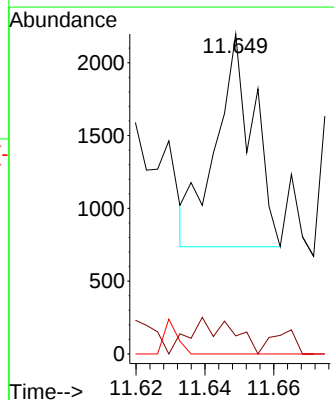
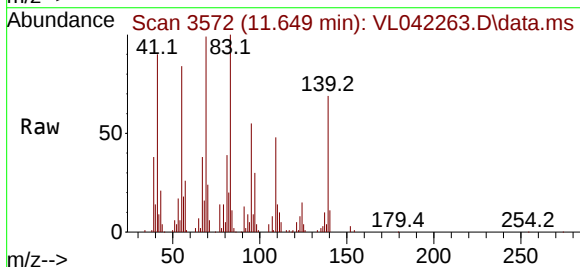
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B2-4-04022025

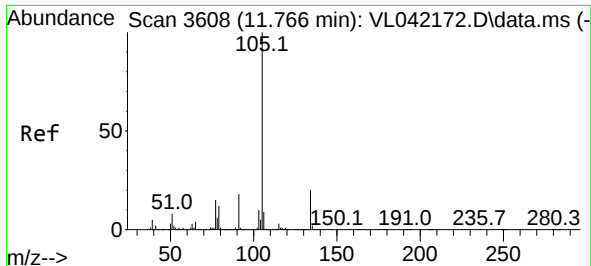
Tgt Ion: 119 Resp: 35615
Ion Ratio Lower Upper
119 100
91 103.4 66.0 99.0#
134 2.9 16.7 25.1#



#66
Benzyl Chloride
Concen: 0.127 ppbv
RT: 11.649 min Scan# 3572
Delta R.T. 0.039 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 91 Resp: 1117
Ion Ratio Lower Upper
91 100
126 40.3 13.8 20.6#
128 8.9 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.123 ppbv

RT: 11.782 min Scan# 3183

Delta R.T. 0.016 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

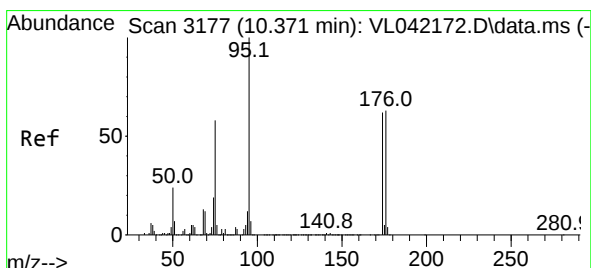
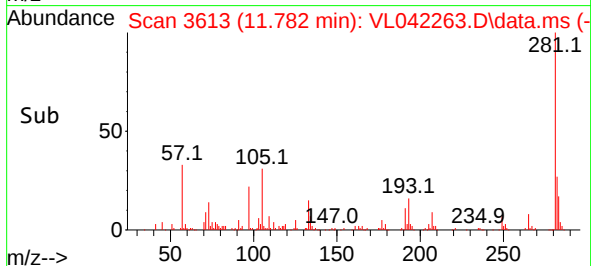
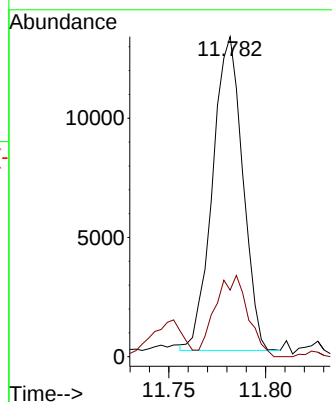
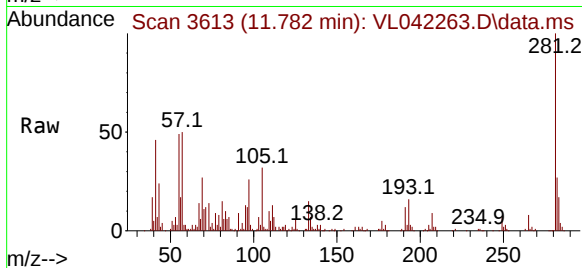
SSSG-B2-4-04022025

Tgt Ion:105 Resp: 14275

Ion Ratio Lower Upper

105 100

134 40.8 15.5 23.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.513 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.019 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

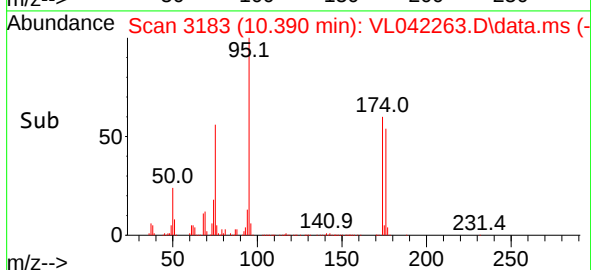
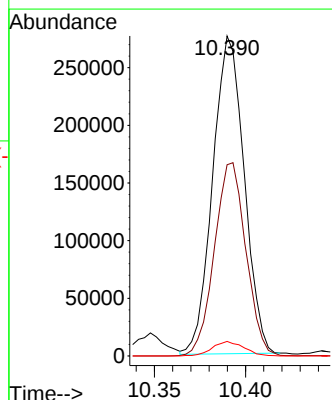
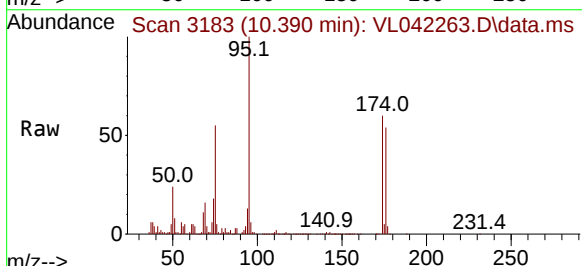
Tgt Ion: 95 Resp: 330470

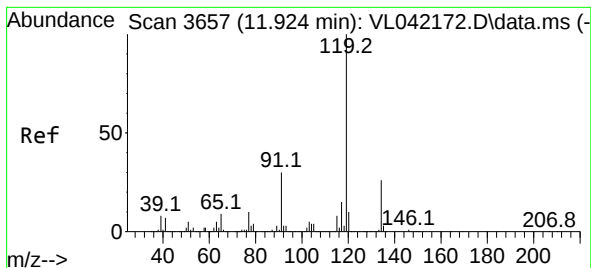
Ion Ratio Lower Upper

95 100

174 61.0 50.6 76.0

175 4.6 3.8 5.6





#69

p-Isopropyltoluene

Concen: 0.155 ppbv

RT: 11.940 min Scan# 3

Delta R.T. 0.016 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-4-04022025

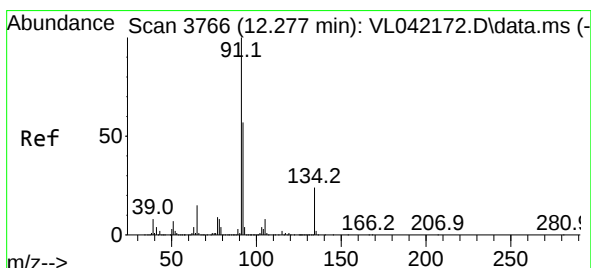
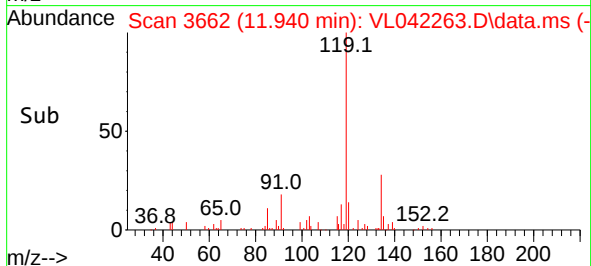
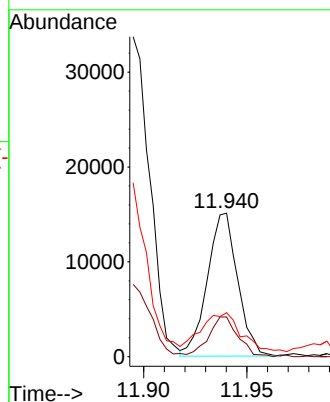
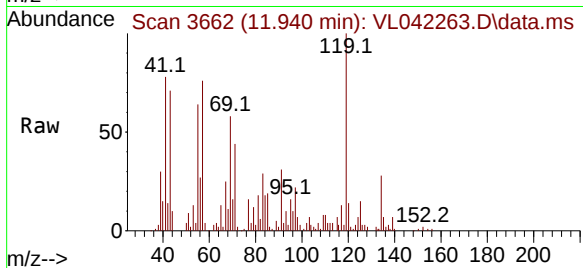
Tgt Ion:119 Resp: 15445

Ion Ratio Lower Upper

119 100

134 27.3 20.4 30.6

91 34.1 23.7 35.5



#70

n-Butylbenzene

Concen: 0.046 ppbv

RT: 12.303 min Scan# 3774

Delta R.T. 0.026 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

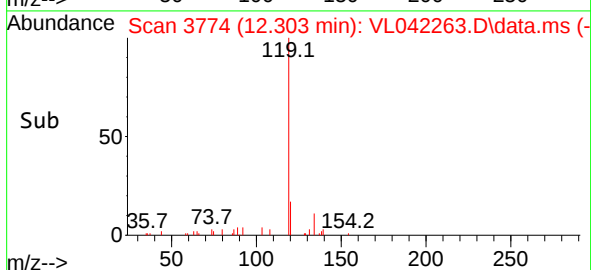
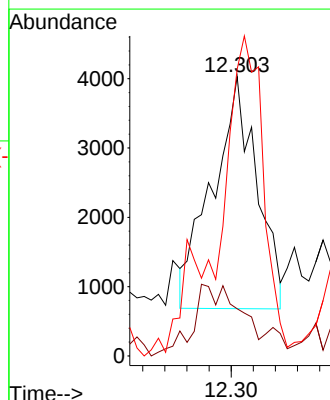
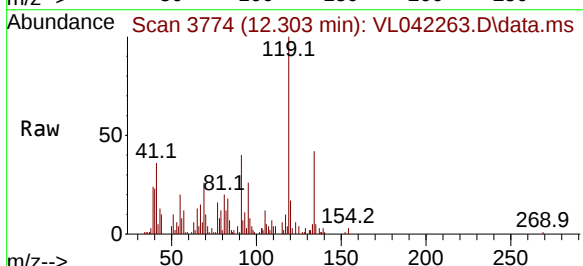
Tgt Ion: 91 Resp: 4674

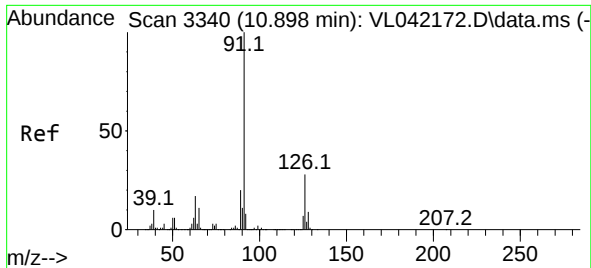
Ion Ratio Lower Upper

91 100

92 0.0 44.9 67.3#

134 142.2 19.2 28.8#

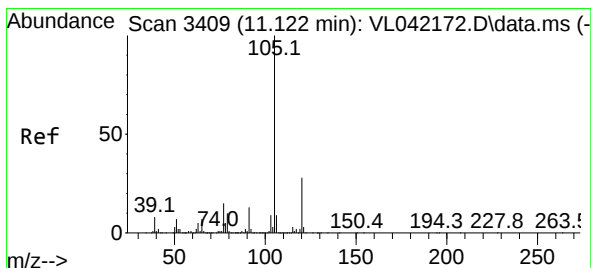
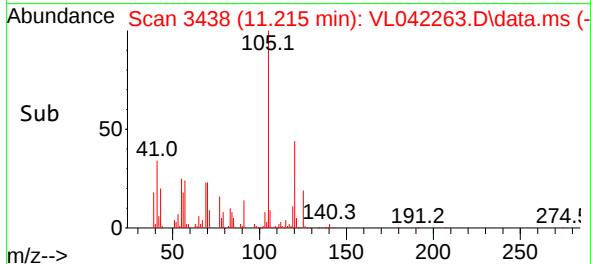
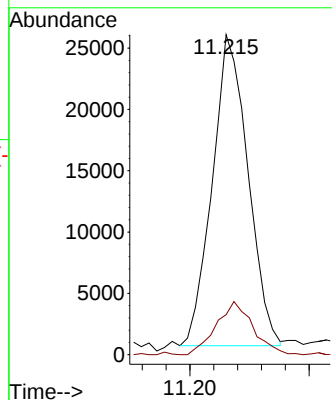
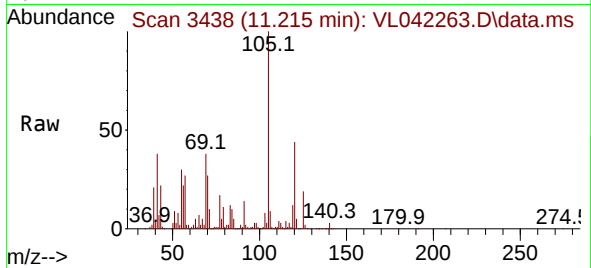




#71
2-Chlorotoluene
Concen: 0.378 ppbv
RT: 11.215 min Scan# 3414
Delta R.T. 0.317 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

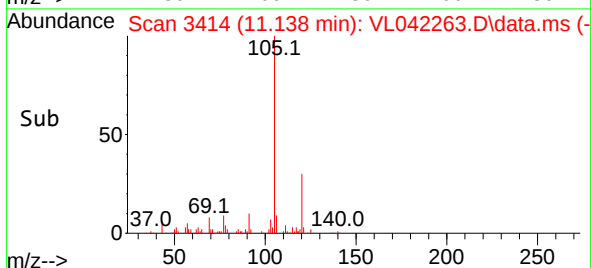
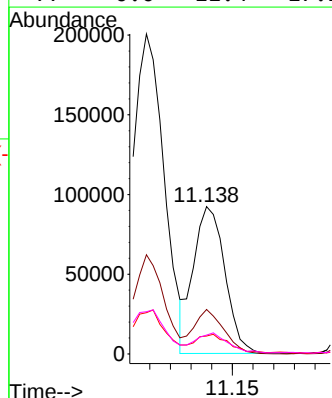
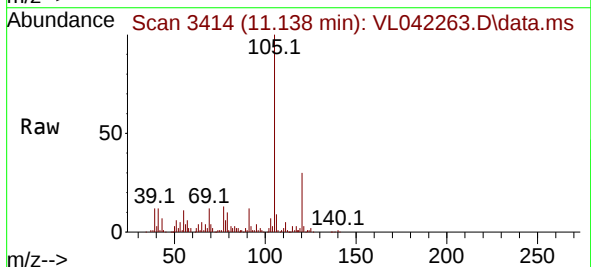
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025

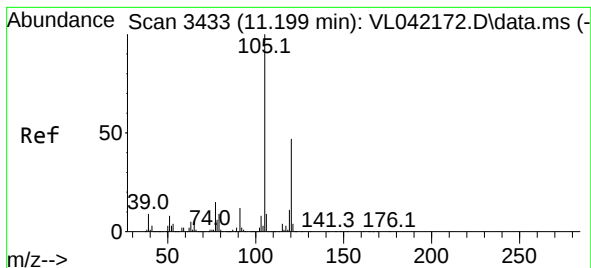
Tgt Ion: 91 Resp: 26381
Ion Ratio Lower Upper
91 100
126 17.8 11.6 46.4



#72
4-Ethyltoluene
Concen: 1.307 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.016 min
Lab File: VL042263.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 105 Resp: 97907
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 0.0 10.3 15.5#
77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 3.241 ppbv

RT: 11.218 min Scan# 34

Delta R.T. 0.019 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Instrument :

MSVOA_1

ClientSampleId :

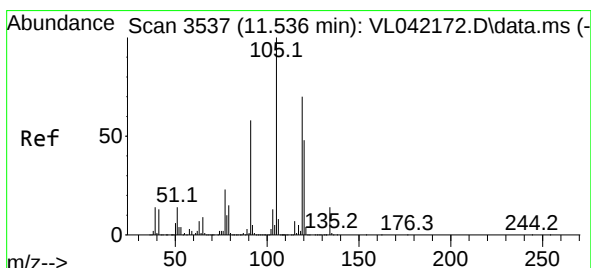
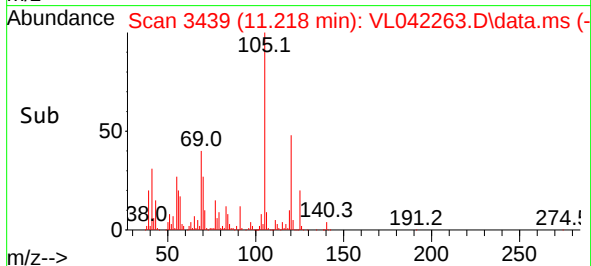
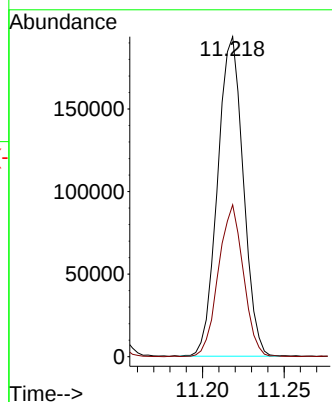
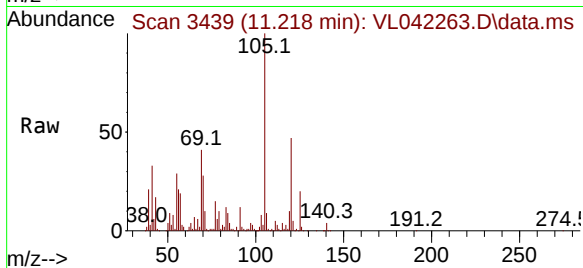
SSSG-B2-4-04022025

Tgt Ion:105 Resp: 211978

Ion Ratio Lower Upper

105 100

120 47.5 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 3.777 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.013 min

Lab File: VL042263.D

Acq: 08 Apr 2025 14:53

Tgt Ion:105 Resp: 284630

Ion Ratio Lower Upper

105 100

120 41.3 38.6 58.0

91 11.8 46.2 69.2#

77 13.9 18.6 27.8#

