

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042235.D
 Acq On : 07 Apr 2025 14:51
 Operator : SY/MD
 Sample : Q1725-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025

Quant Time: Apr 08 01:32:36 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	200550	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	538469	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	487966	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	392922	9.805	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	11812	0.399	ppbv	99
3) Chlorodifluoromethane	1.479	51	5046	0.167	ppbv #	85
4) Chloromethane	1.538	50	1607	0.133	ppbv	97
7) Chloroethane	1.709	64	274	0.056	ppbv #	43
9) Propene	1.894	41	41358	2.983	ppbv	89
10) Heptane	5.011	43	1564	0.042	ppbv #	28
11) Trichlorofluoromethane	1.887	101	6560	0.228	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.153	101	2246	0.095	ppbv	87
13) Ethanol	1.729	45	165486	126.257	ppbv	81
15) Acetone	1.842	43	878596	31.325	ppbv	97
16) 1,3-Butadiene	1.606	39	31473	2.298	ppbv #	20
17) tert-Butyl alcohol	1.894	59	15656	0.448	ppbv	95
18) 1,1-Dichloroethene	2.046	96	17208	1.554	ppbv	98
19) Isopropyl Alcohol	1.894	45	429215	27.122	ppbv #	85
20) Methylene Chloride	2.072	84	7004	0.670	ppbv #	81
21) Allyl Chloride	2.052	41	6028	0.305	ppbv #	71
22) trans-1,2-Dichloroethene	2.046	96	17208	1.345	ppbv #	78
23) Vinyl Acetate	2.470	43	14231	1.172	ppbv #	85
24) 1,1-Dichloroethane	2.421	63	2995	0.126	ppbv #	91
25) Ethyl Acetate	2.862	43	2278	0.031	ppbv #	1
26) Hexane	2.842	57	12578	0.447	ppbv #	1
29) Chloroform	2.865	83	5091112	123.718	ppbv #	64
31) cis-1,2-Dichloroethene	2.735	61	886	0.031	ppbv #	54
32) 1,1,1-Trichloroethane	3.389	97	5002	0.106	ppbv	96
34) 2-Butanone	2.573	43	26940	0.690	ppbv	99
35) Carbon Tetrachloride	3.787	117	149549	3.555	ppbv	97
36) Benzene	3.677	78	9849	0.184	ppbv	97
38) Trichloroethene	4.577	130	20401	0.916	ppbv #	83
39) 1,2-Dichloropropane	3.981	63	139255	7.163	ppbv #	23
41) Tetrahydrofuran	3.091	42	1861	0.083	ppbv #	61
42) Bromodichloromethane	4.509	83	7639	0.181	ppbv	89
51) 2-Hexanone	7.480	43	2701	0.053	ppbv #	28
52) Tetrachloroethene	8.247	164	66227	3.128	ppbv	96
53) Toluene	6.962	91	88021	1.391	ppbv	99
58) Ethyl Benzene	9.377	91	22956	0.265	ppbv #	87
59) m/p-Xylene	9.552	91	78245	1.131	ppbv	100
60) o-Xylene	9.982	91	26678	0.385	ppbv	97
61) Styrene	9.888	104	11796	0.344	ppbv	95
62) Isopropylbenzene	10.558	105	3298	0.032	ppbv #	89
64) n-propylbenzene	11.002	120	1995	0.075	ppbv	90
65) tert-Butylbenzene	11.552	119	3723	0.039	ppbv #	41
66) Benzyl Chloride	11.633	91	441	0.043	ppbv #	63
69) p-Isopropyltoluene	11.940	119	3553	0.031	ppbv #	92

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Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

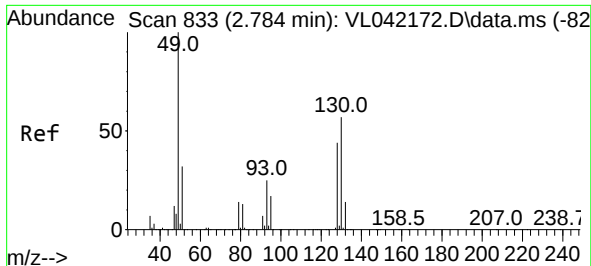
Quant Time: Apr 08 01:32:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	11.141	105	10060	0.116	ppbv #	68
73) 1,3,5-Trimethylbenzene	11.215	105	7009	0.093	ppbv	87
74) 1,2,4-Trimethylbenzene	11.552	105	33126	0.381	ppbv #	66

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

Quant Time: Apr 08 01:32:36 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
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

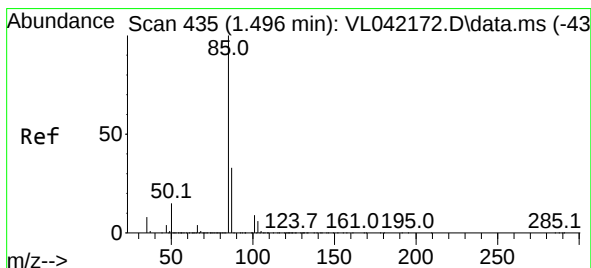
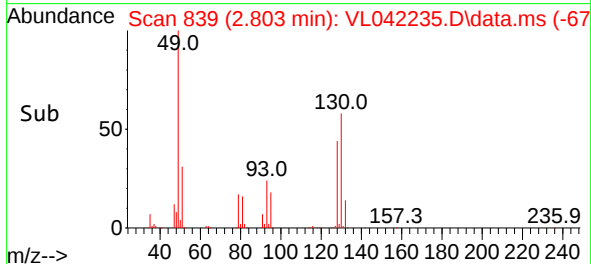
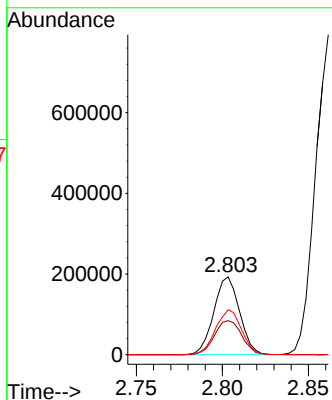
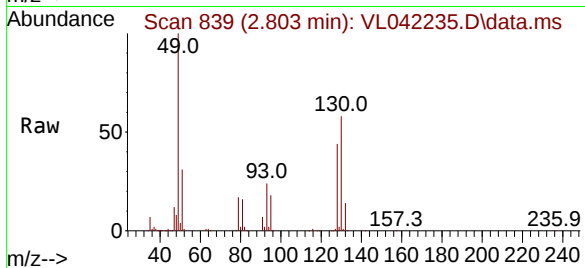




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL042235.D
 Acq: 07 Apr 2025 14:51

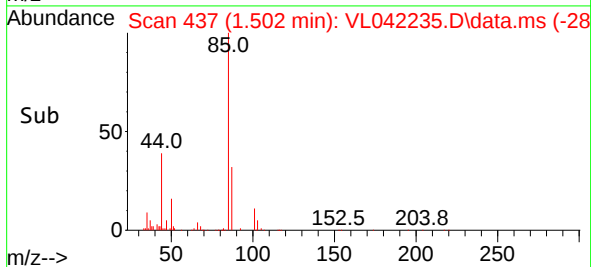
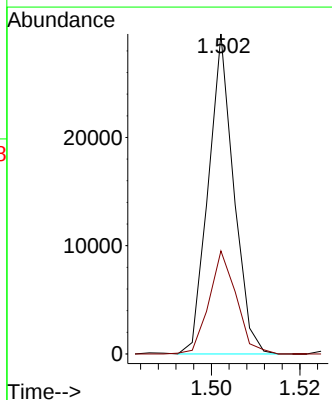
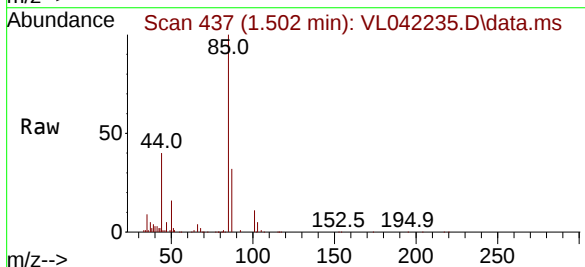
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025

Tgt Ion: 49 Resp: 200550
 Ion Ratio Lower Upper
 49 100
 128 46.5 22.9 68.5
 130 58.5 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.399 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.006 min
 Lab File: VL042235.D
 Acq: 07 Apr 2025 14:51

Tgt Ion: 85 Resp: 11812
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.1 39.1

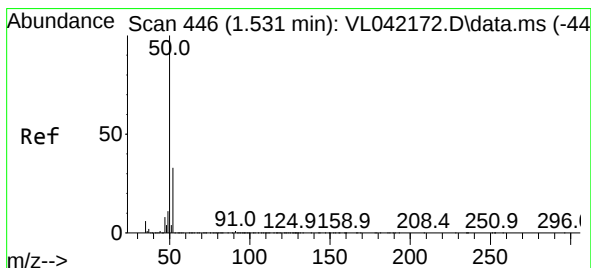
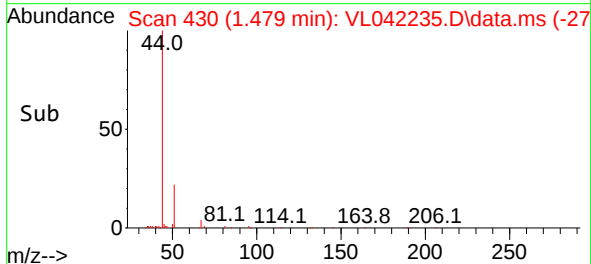
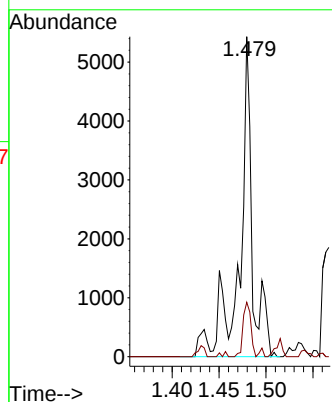
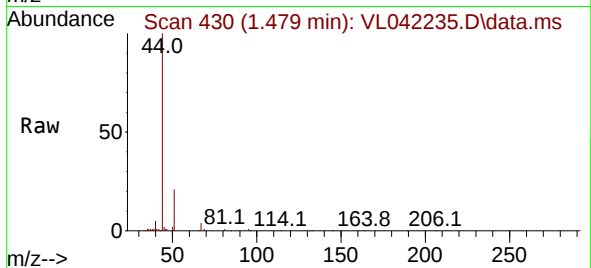




#3
Chlorodifluoromethane
Concen: 0.167 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

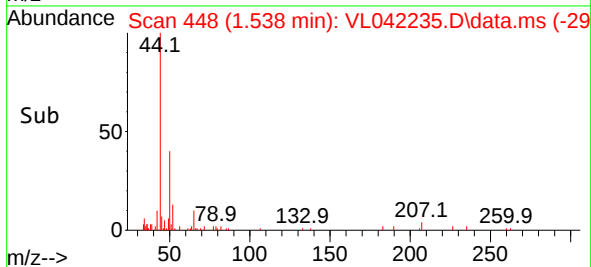
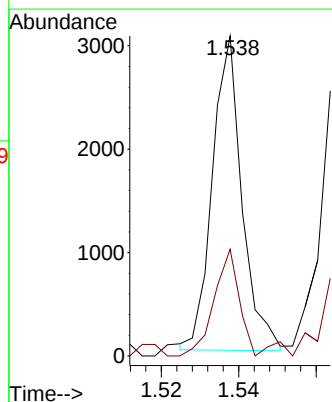
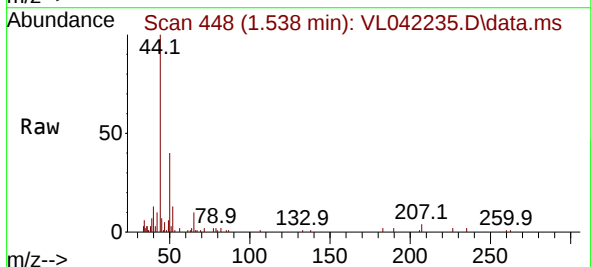
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MSVOA_1
ClientSampleId :
SSSG-B10-4-04012025

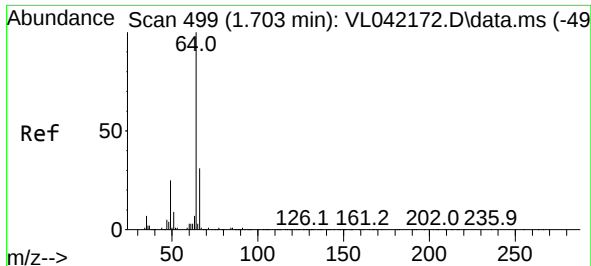
Tgt Ion: 51 Resp: 5046
Ion Ratio Lower Upper
51 100
67 12.0 15.0 22.6#



#4
Chloromethane
Concen: 0.133 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 50 Resp: 1607
Ion Ratio Lower Upper
50 100
52 34.4 26.1 39.1

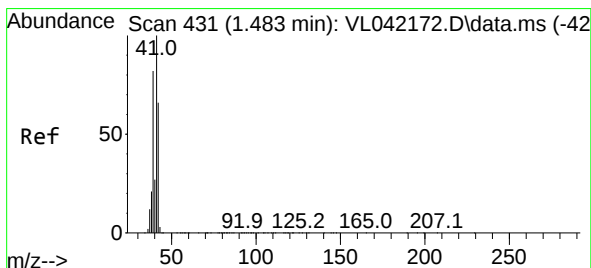
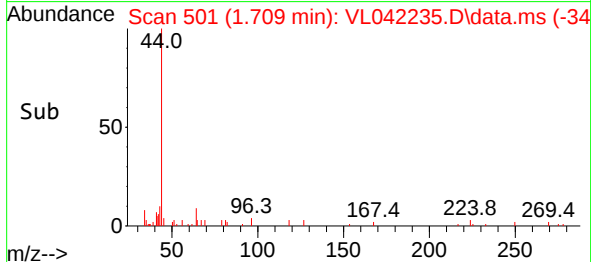
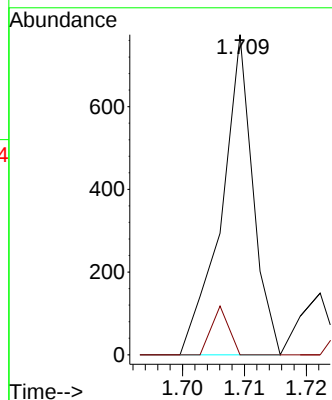
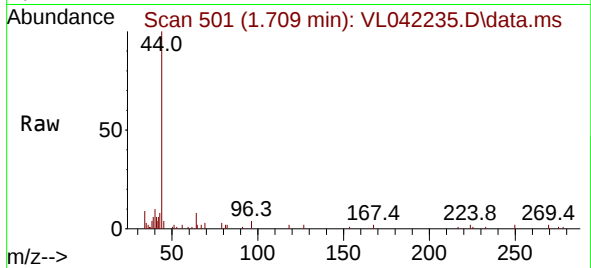




#7
Chloroethane
Concen: 0.056 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

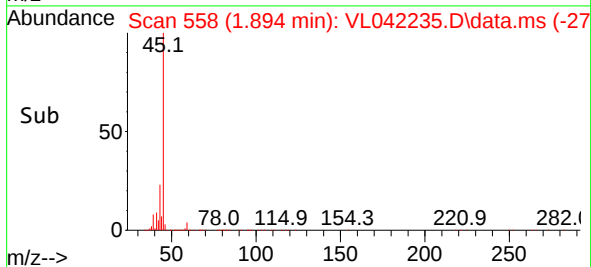
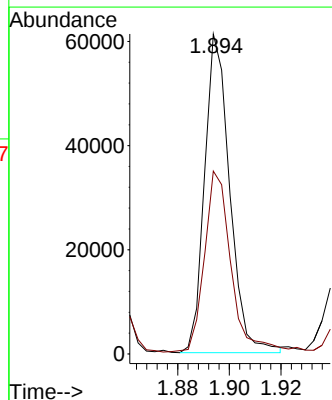
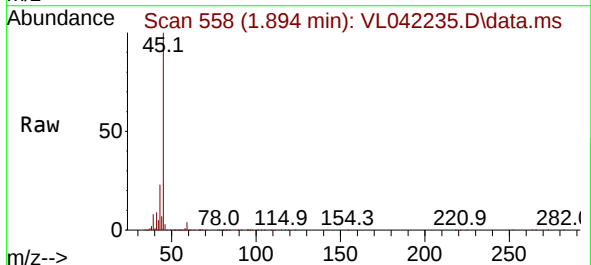
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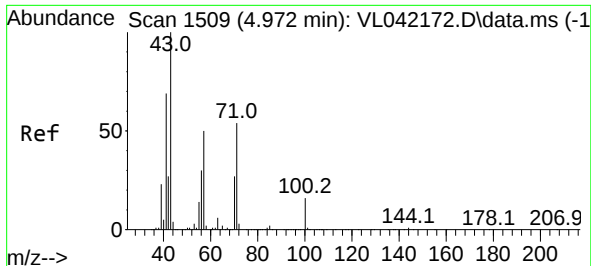
Tgt Ion: 64 Resp: 274
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#9
Propene
Concen: 2.983 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.411 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 41 Resp: 41358
Ion Ratio Lower Upper
41 100
42 60.5 55.4 83.2

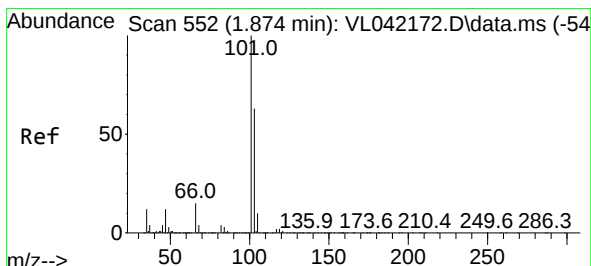
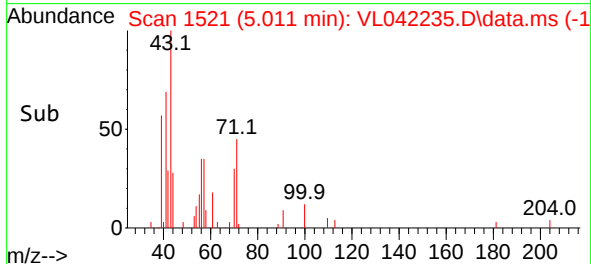
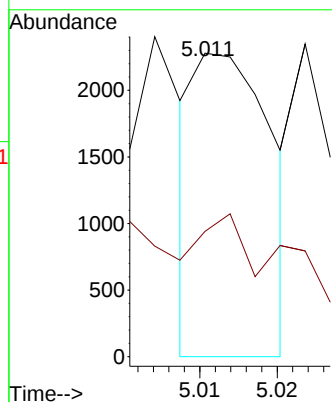
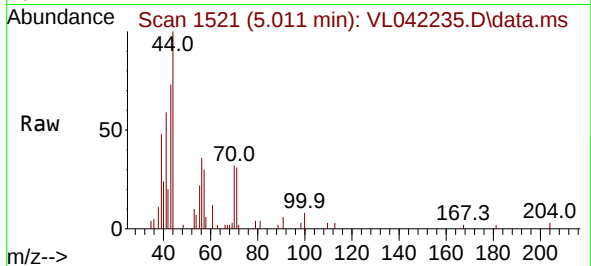




#10
Heptane
Concen: 0.042 ppbv
RT: 5.011 min Scan# 11
Delta R.T. 0.039 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

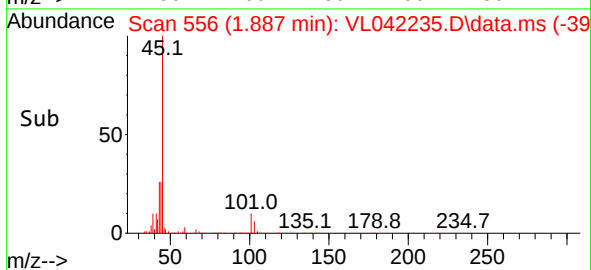
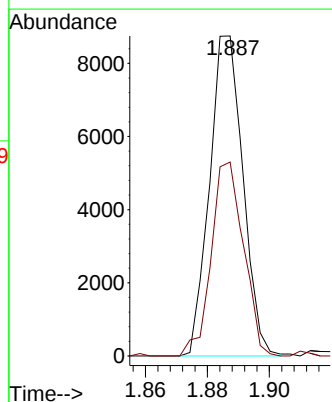
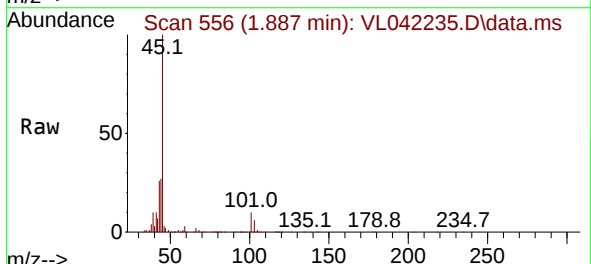
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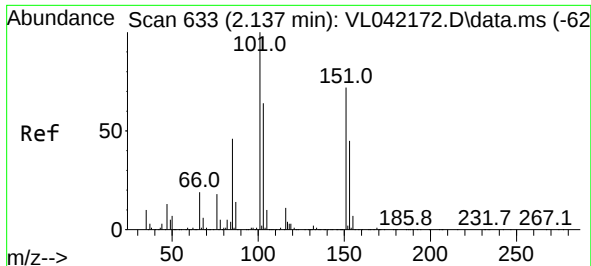
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#



#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:101 Resp: 6560
Ion Ratio Lower Upper
101 100
103 60.6 50.2 75.2

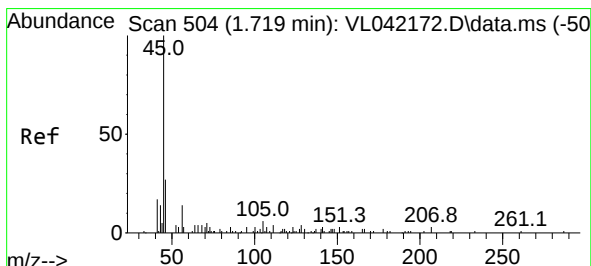
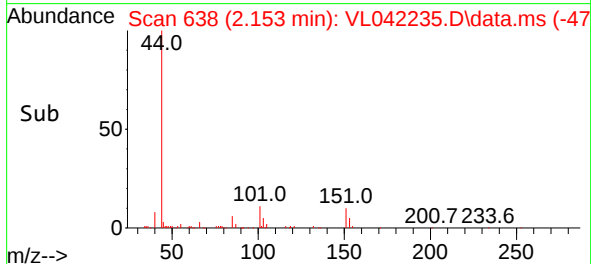
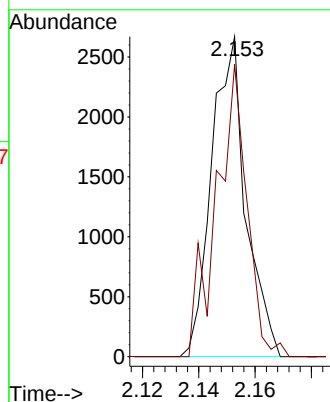
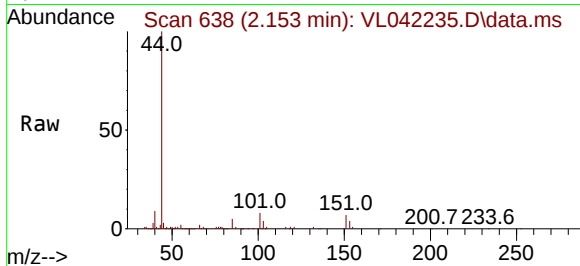




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.095 ppbv
 RT: 2.153 min Scan# 611
 Delta R.T. 0.016 min
 Lab File: VL042235.D
 Acq: 07 Apr 2025 14:51

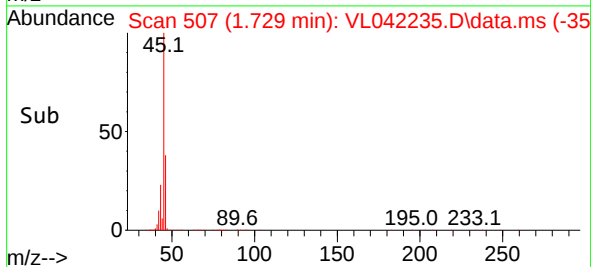
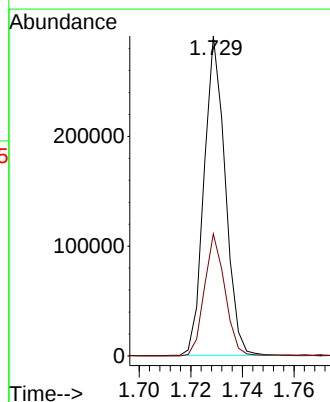
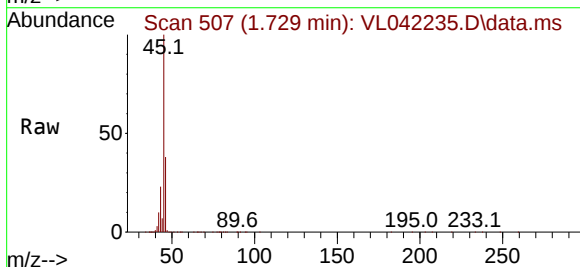
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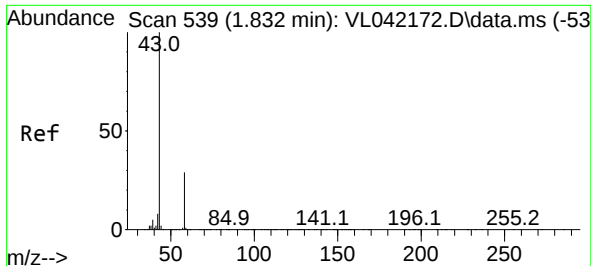
Tgt Ion:101 Resp: 2246
 Ion Ratio Lower Upper
 101 100
 151 82.0 57.1 85.7



#13
 Ethanol
 Concen: 126.257 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. 0.010 min
 Lab File: VL042235.D
 Acq: 07 Apr 2025 14:51

Tgt Ion: 45 Resp: 165486
 Ion Ratio Lower Upper
 45 100
 46 37.6 20.2 80.8

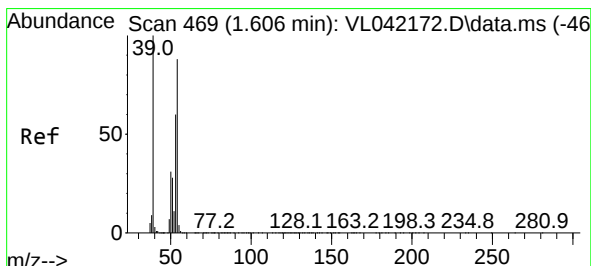
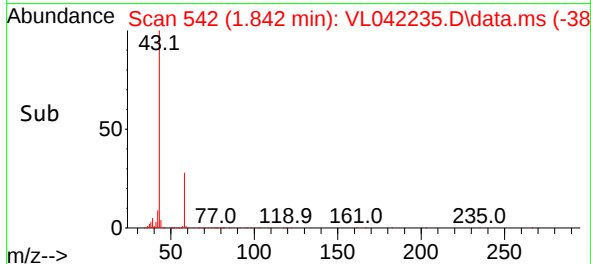
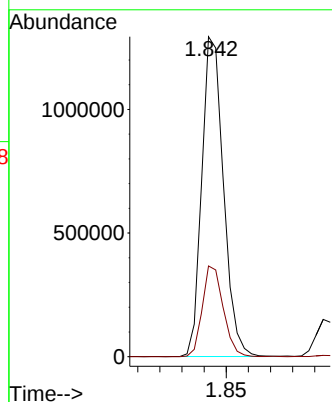
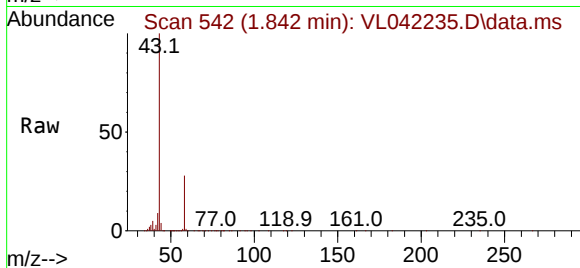




#15
Acetone
Concen: 31.325 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

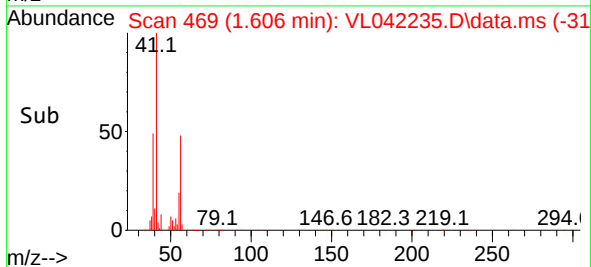
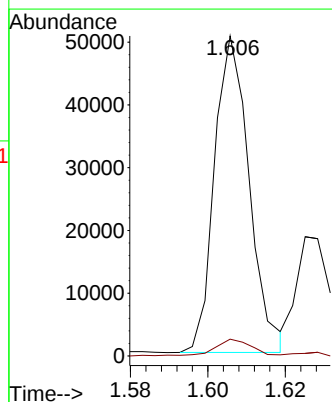
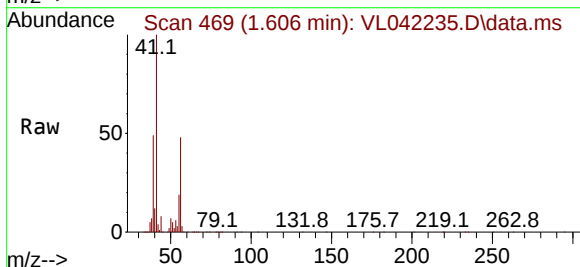
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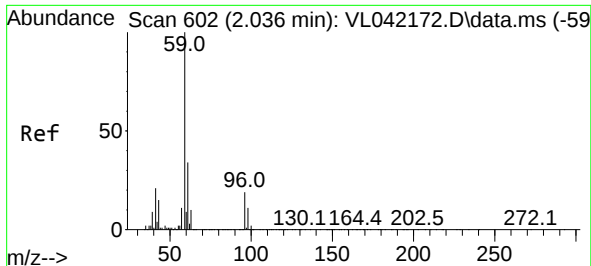
Tgt Ion: 43 Resp: 878596
Ion Ratio Lower Upper
43 100
58 27.4 23.2 34.8



#16
1,3-Butadiene
Concen: 2.298 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 39 Resp: 31473
Ion Ratio Lower Upper
39 100
54 7.0 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.448 ppbv

RT: 1.894 min Scan# 51

Delta R.T. -0.143 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

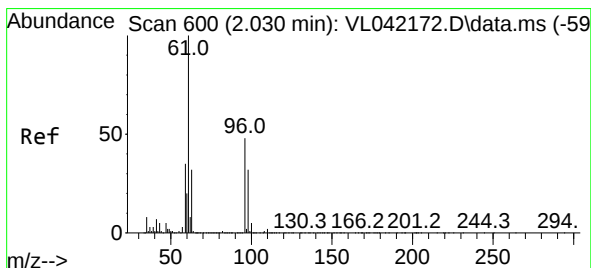
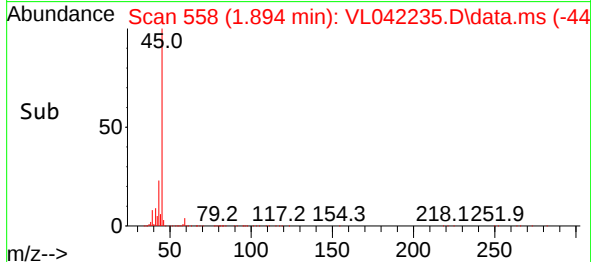
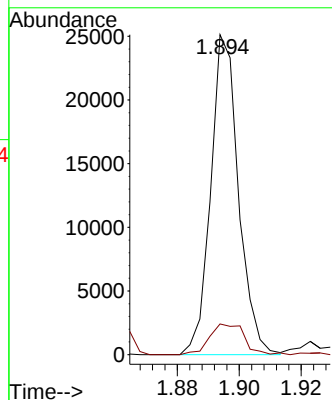
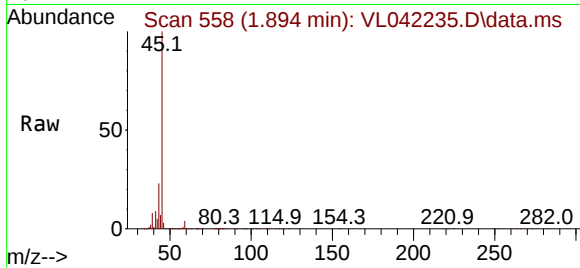
SSSG-B10-4-04012025

Tgt Ion: 59 Resp: 15656

Ion Ratio Lower Upper

59 100

57 13.0 8.9 13.3



#18

1,1-Dichloroethene

Concen: 1.554 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.016 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

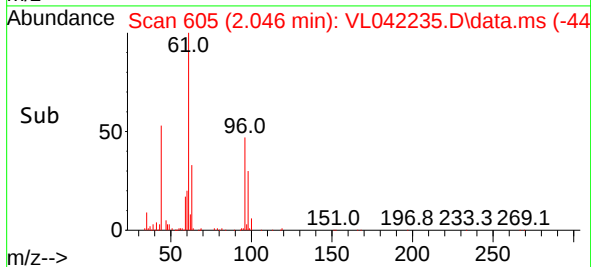
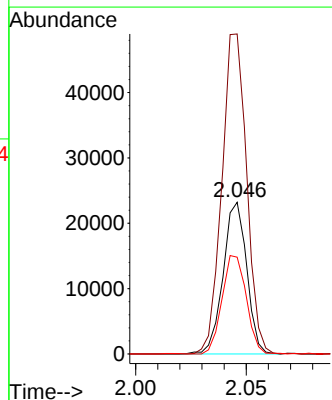
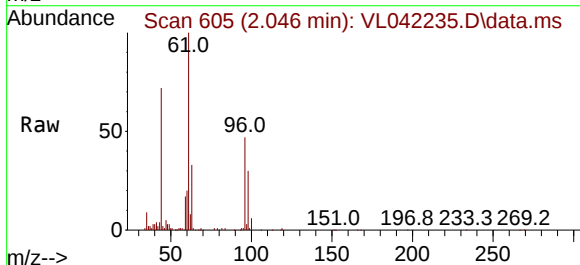
Tgt Ion: 96 Resp: 17208

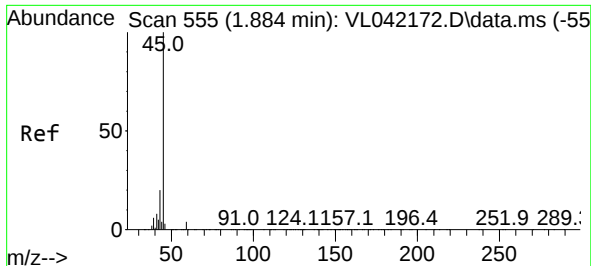
Ion Ratio Lower Upper

96 100

61 210.9 167.6 251.4

98 63.6 53.5 80.3

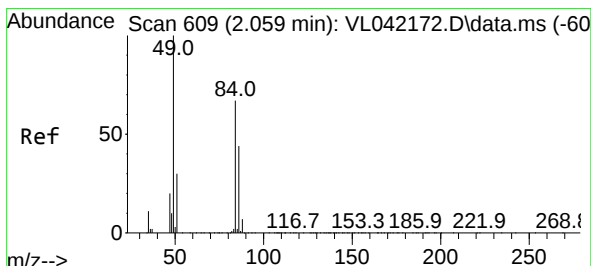
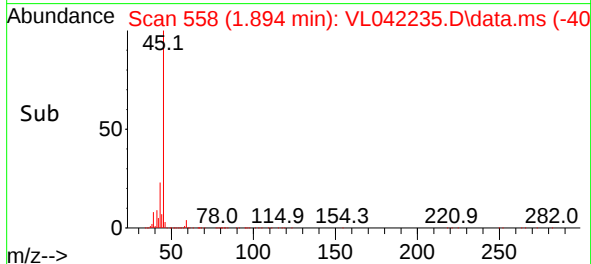
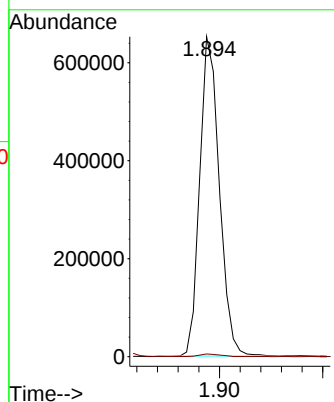
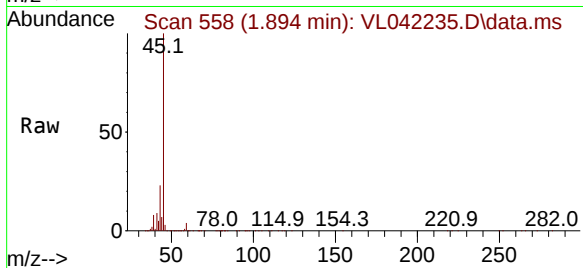




#19
Isopropyl Alcohol
Concen: 27.122 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

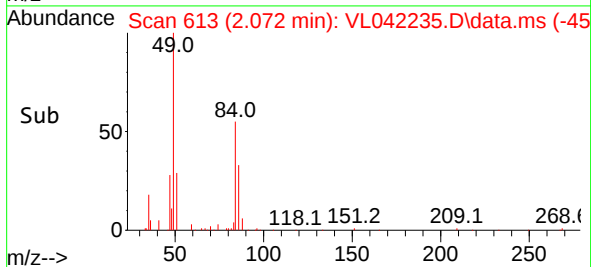
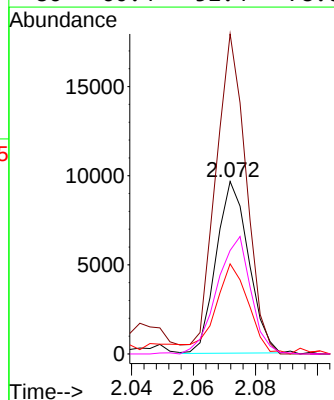
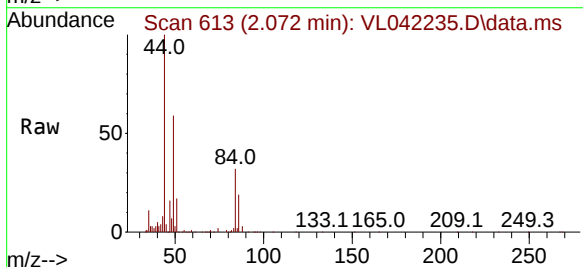
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

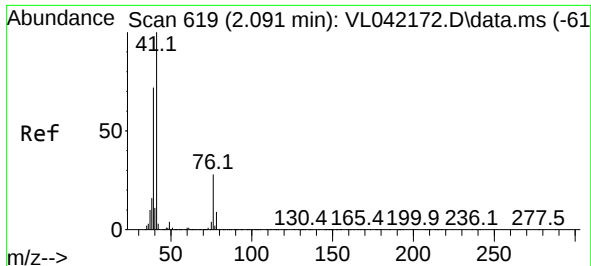
Tgt Ion: 45 Resp: 429215
Ion Ratio Lower Upper
45 100
58 56.0 36.9 55.3#



#20
Methylene Chloride
Concen: 0.670 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 84 Resp: 7004
Ion Ratio Lower Upper
84 100
49 186.7 120.2 180.4#
51 50.8 37.4 56.0
86 60.4 52.4 78.6

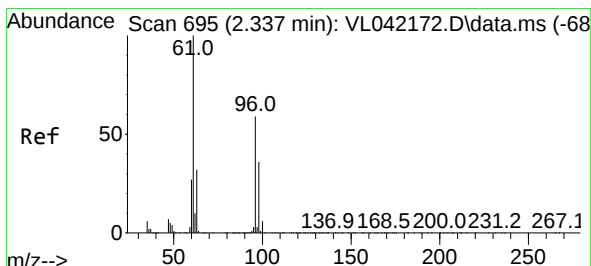
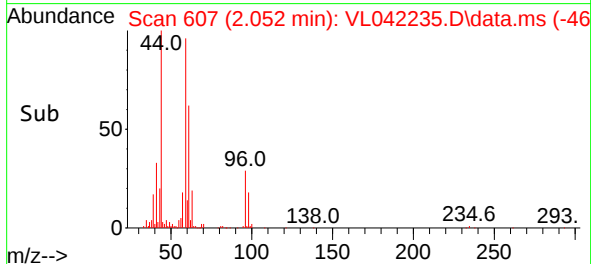
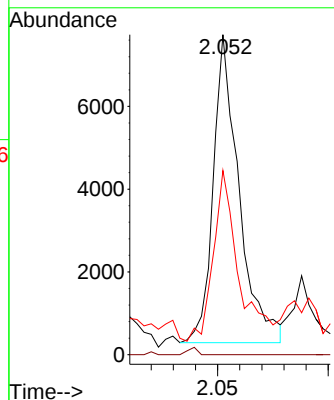
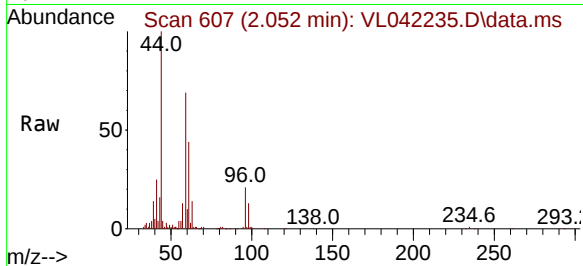




#21
 Allyl Chloride
 Concen: 0.305 ppbv
 RT: 2.052 min Scan# 607
 Delta R.T. -0.039 min
 Lab File: VL042235.D
 Acq: 07 Apr 2025 14:51

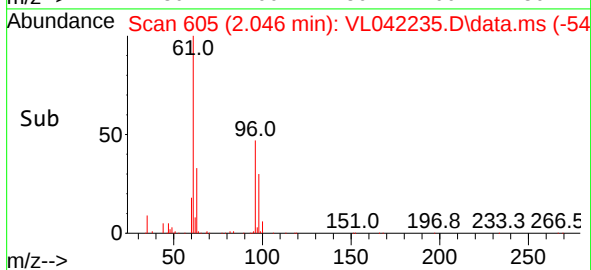
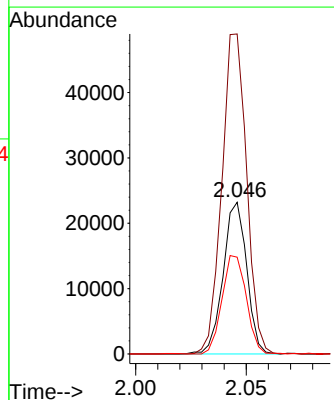
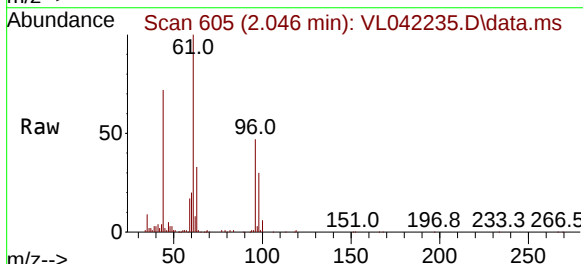
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B10-4-04012025

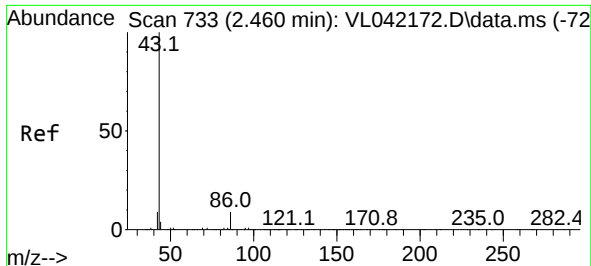
Tgt Ion: 41 Resp: 6028
 Ion Ratio Lower Upper
 41 100
 76 1.7 24.1 36.1#
 39 59.6 61.1 91.7#



#22
 trans-1,2-Dichloroethene
 Concen: 1.345 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. -0.291 min
 Lab File: VL042235.D
 Acq: 07 Apr 2025 14:51

Tgt Ion: 96 Resp: 17208
 Ion Ratio Lower Upper
 96 100
 61 210.9 136.6 204.8#
 98 63.6 49.4 74.2



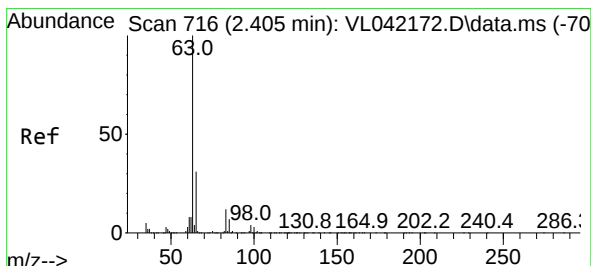
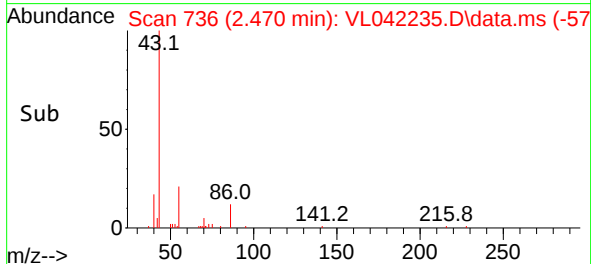
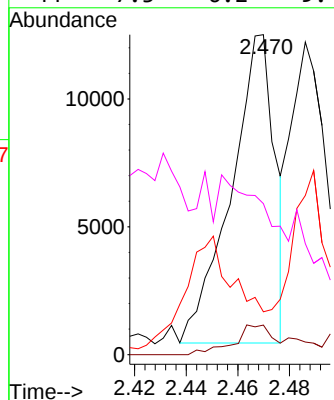
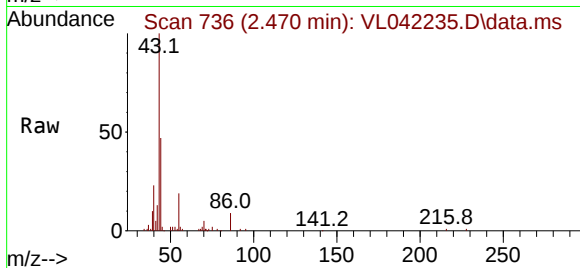


#23
Vinyl Acetate
Concen: 1.172 ppbv
RT: 2.470 min Scan# 716
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 14231

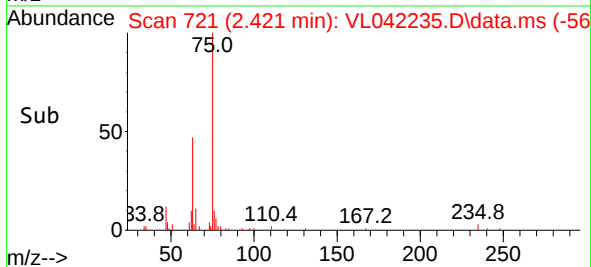
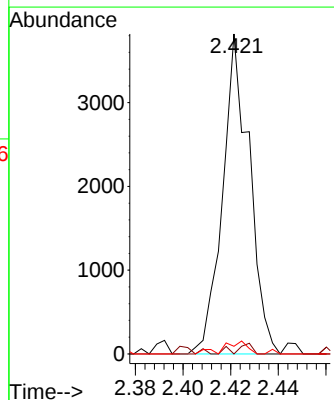
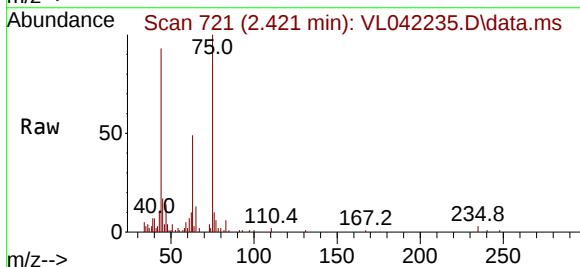
Ion	Ratio	Lower	Upper
43	100		
86	9.6	5.5	8.3#
42	0.0	8.6	13.0#
44	7.3	6.2	9.4

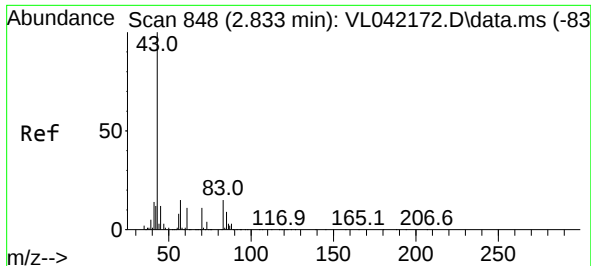


#24
1,1-Dichloroethane
Concen: 0.126 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 63 Resp: 2995

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	2.4	1.6	4.7

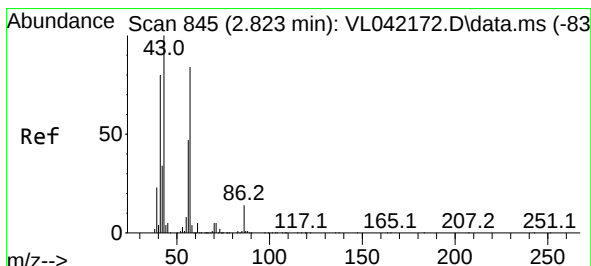
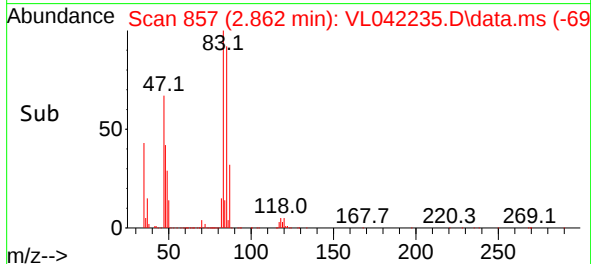
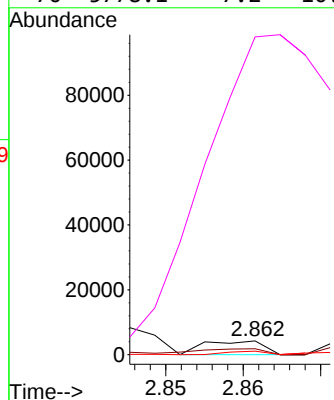
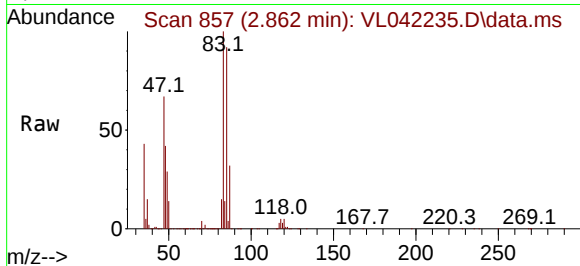




#25
Ethyl Acetate
Concen: 0.031 ppbv
RT: 2.862 min Scan# 81
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

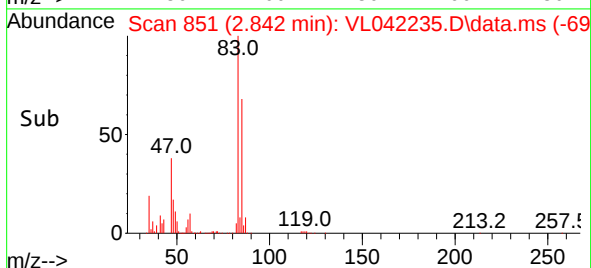
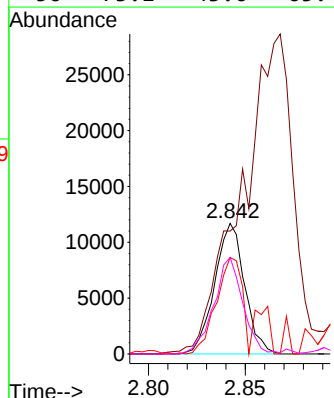
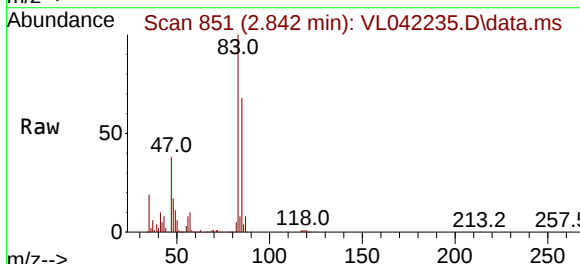
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

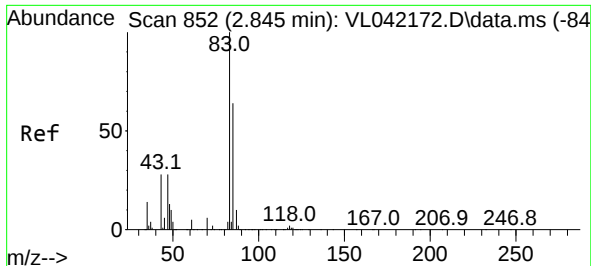
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
45 94.8 8.2 12.2#
61 51.0 7.3 10.9#
70 5778.1 7.2 10.8#



#26
Hexane
Concen: 0.447 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 57 Resp: 12578
Ion Ratio Lower Upper
57 100
41 455.4 76.6 114.8#
43 86.6 207.8 311.8#
56 73.1 43.6 65.4#

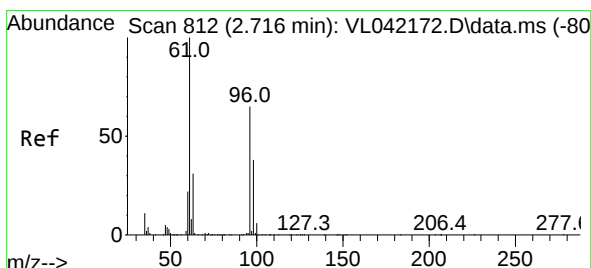
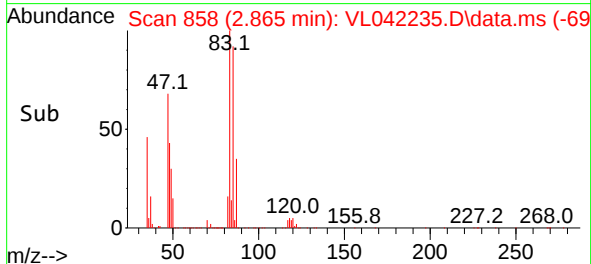
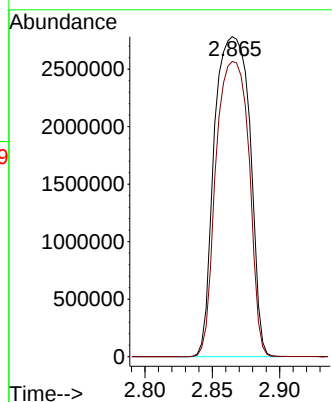
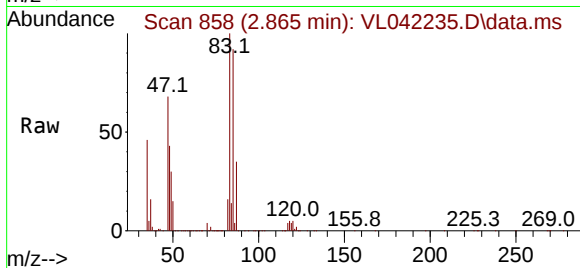




#29
Chloroform
Concen: 123.718 ppbv
RT: 2.865 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

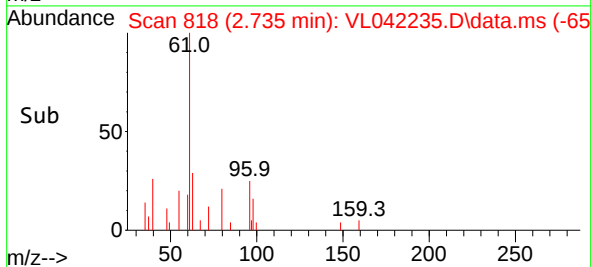
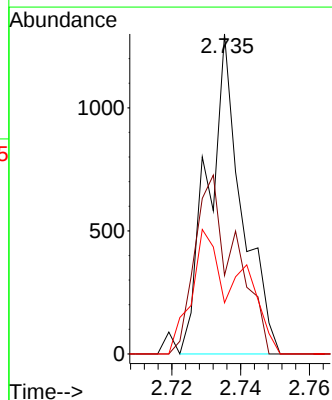
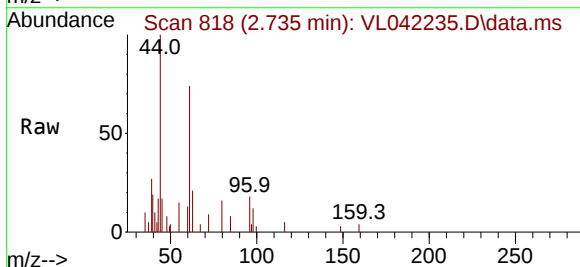
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

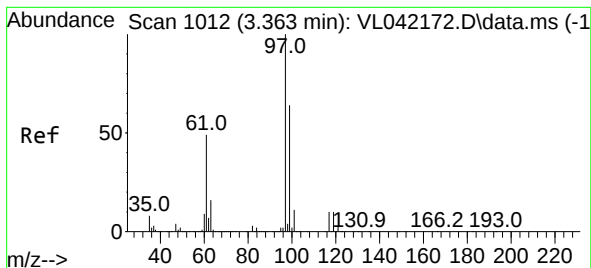
Tgt Ion: 83 Resp: 5091112
Ion Ratio Lower Upper
83 100
85 92.2 51.4 77.2#



#31
cis-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 2.735 min Scan# 818
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 61 Resp: 886
Ion Ratio Lower Upper
61 100
96 24.5 51.8 77.8#
98 16.0 30.6 46.0#





#32

1,1,1-Trichloroethane

Concen: 0.106 ppbv

RT: 3.389 min Scan# 110

Delta R.T. 0.026 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025

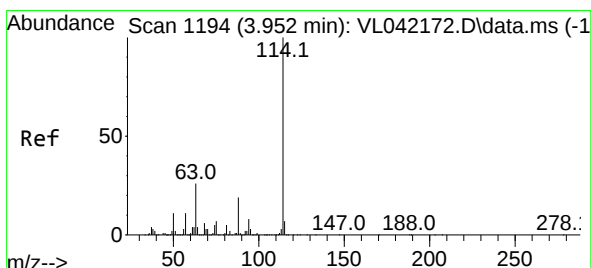
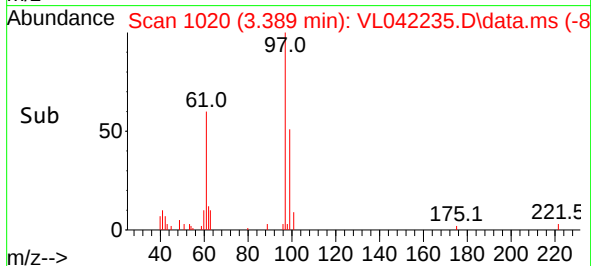
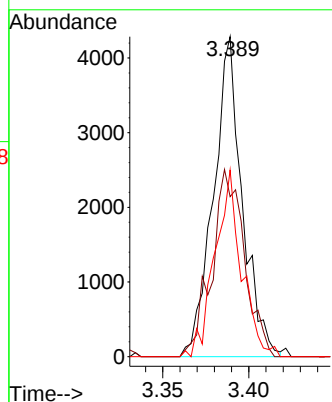
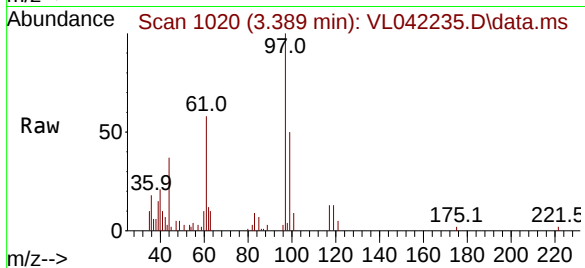
Tgt Ion: 97 Resp: 5002

Ion Ratio Lower Upper

97 100

99 65.8 51.5 77.3

61 53.9 38.7 58.1



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1203

Delta R.T. 0.029 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

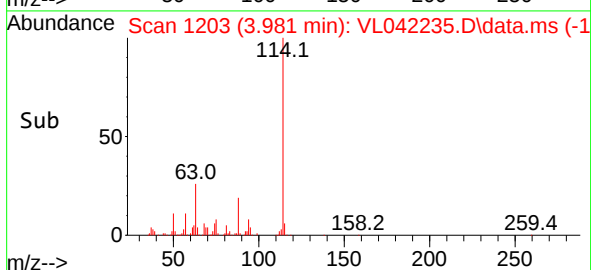
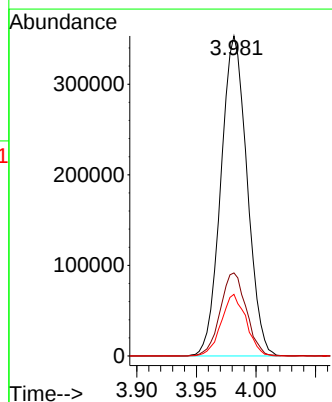
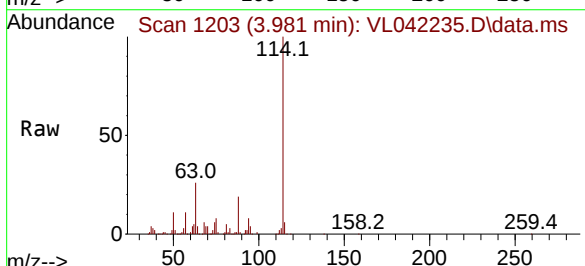
Tgt Ion: 114 Resp: 538469

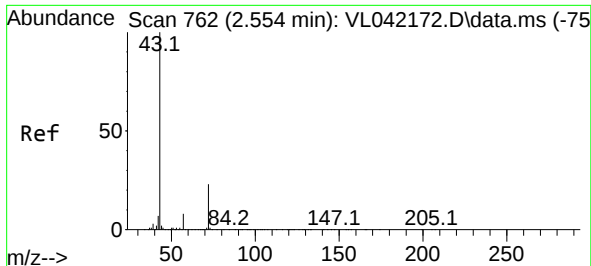
Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 18.4 15.0 22.4





#34

2-Butanone

Concen: 0.690 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.019 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

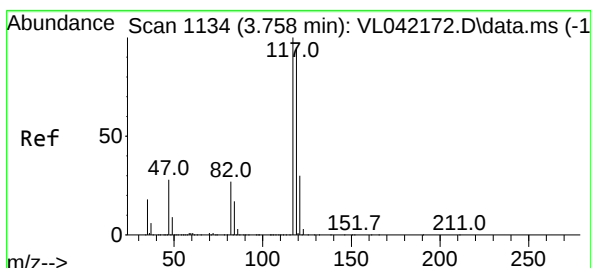
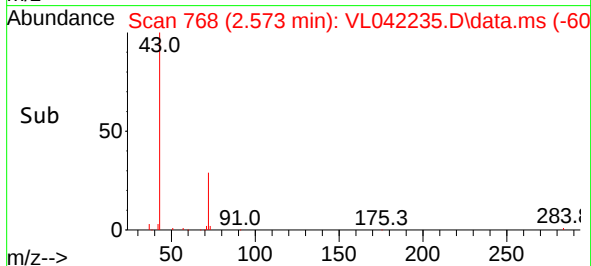
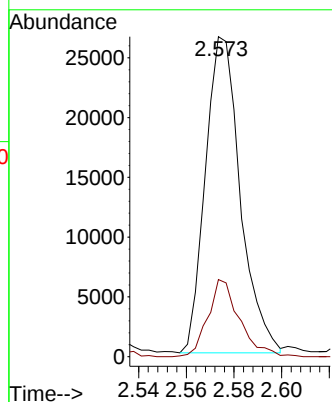
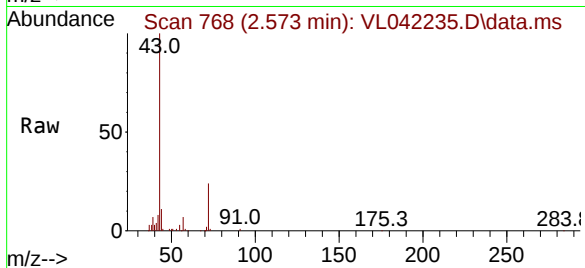
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 26940

Ion Ratio Lower Upper

43 100

72 22.0 18.2 27.2



#35

Carbon Tetrachloride

Concen: 3.555 ppbv

RT: 3.787 min Scan# 1143

Delta R.T. 0.029 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

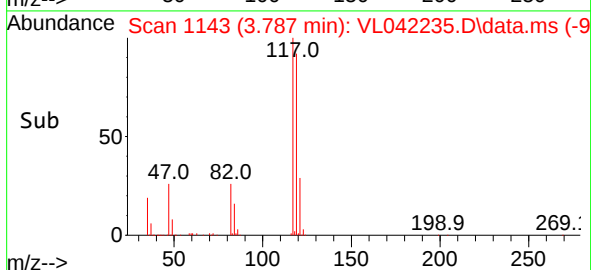
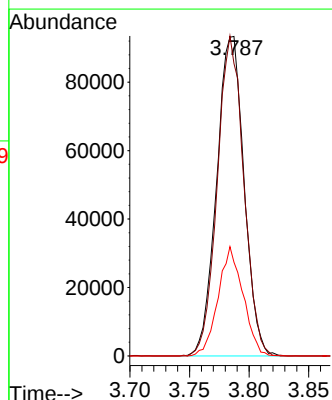
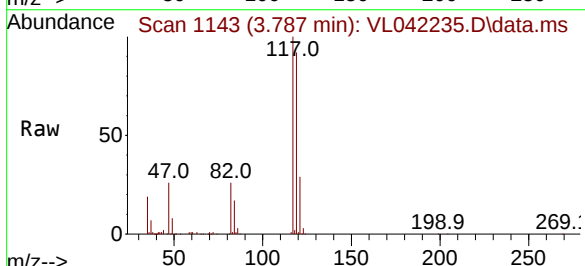
Tgt Ion: 117 Resp: 149549

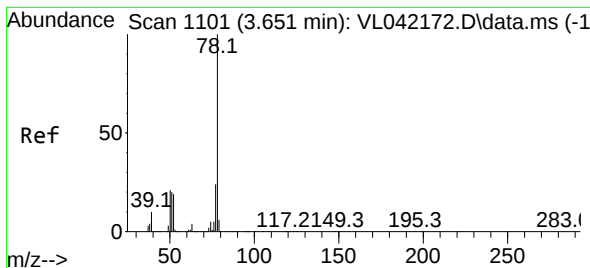
Ion Ratio Lower Upper

117 100

119 91.6 76.2 114.2

121 29.3 24.2 36.4





#36

Benzene

Concen: 0.184 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.026 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025

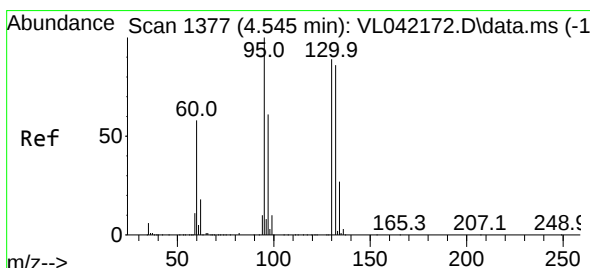
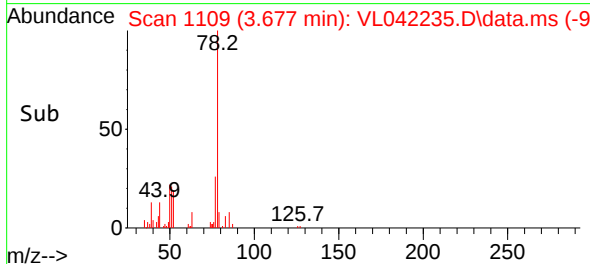
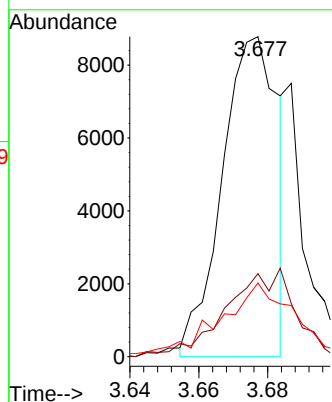
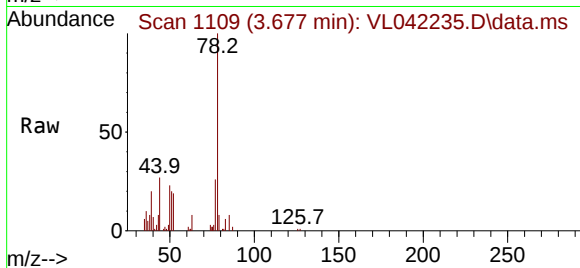
Tgt Ion: 78 Resp: 9849

Ion Ratio Lower Upper

78 100

77 22.6 19.1 28.7

50 18.8 16.6 24.8



#38

Trichloroethene

Concen: 0.916 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.032 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Tgt Ion:130 Resp: 20401

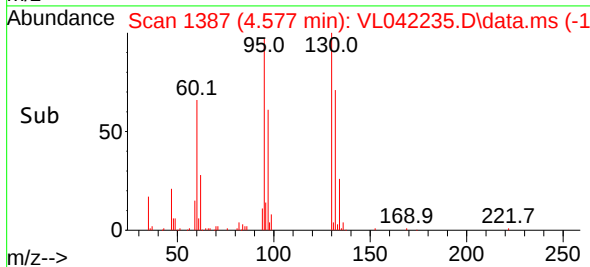
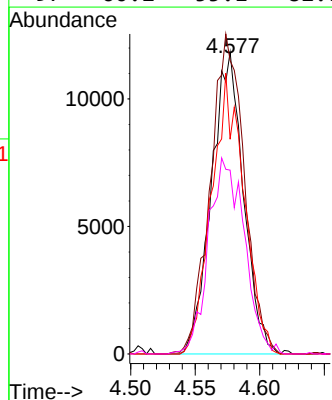
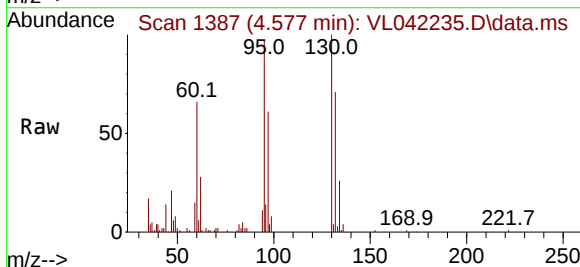
Ion Ratio Lower Upper

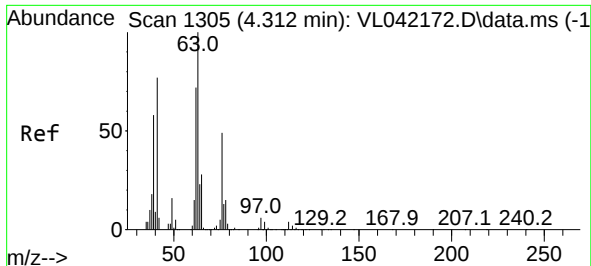
130 100

95 97.2 89.8 134.8

132 71.1 77.4 116.2#

97 60.2 55.1 82.7





#39

1,2-Dichloropropane

Concen: 7.163 ppbv

RT: 3.981 min Scan# 11

Delta R.T. -0.330 min

Lab File: VL042235.D

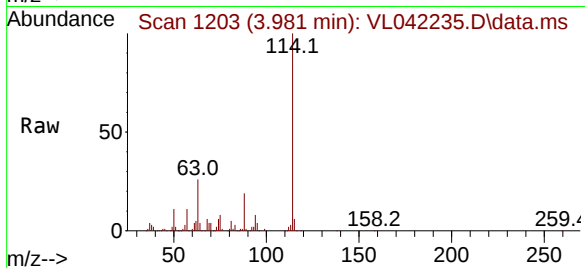
Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025



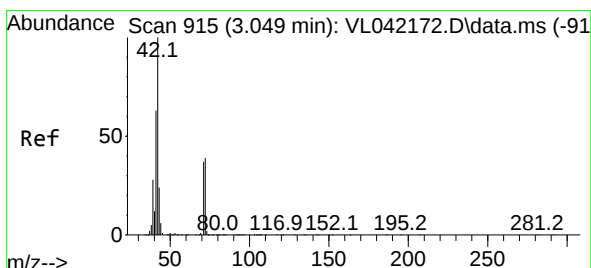
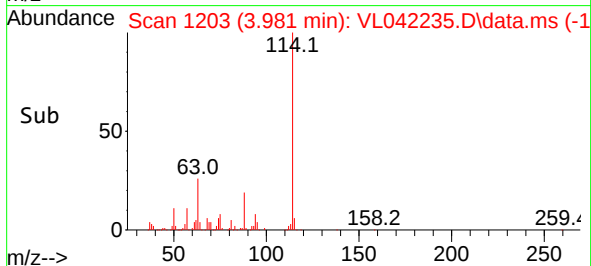
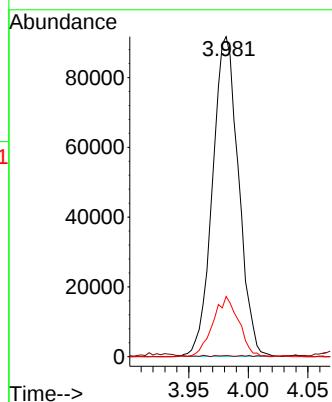
Tgt Ion: 63 Resp: 139255

Ion Ratio Lower Upper

63 100

41 0.3 61.7 92.5#

62 18.6 57.6 86.4#



#41

Tetrahydrofuran

Concen: 0.083 ppbv

RT: 3.091 min Scan# 928

Delta R.T. 0.042 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

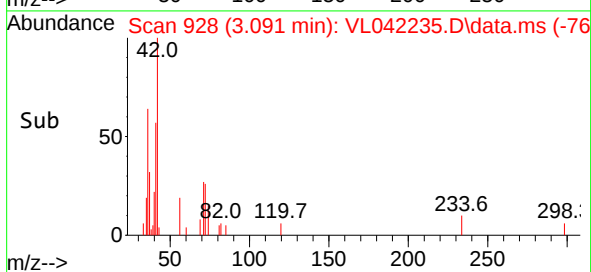
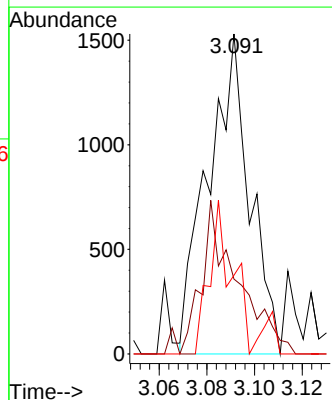
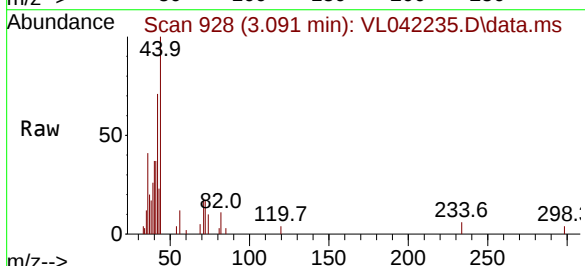
Tgt Ion: 42 Resp: 1861

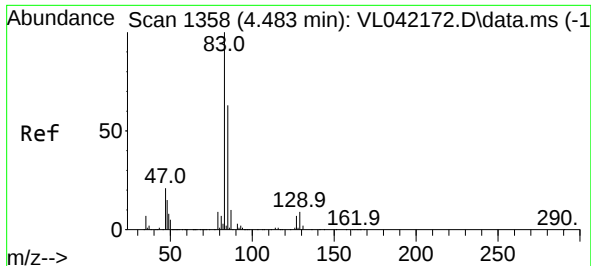
Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 30.5 30.2 45.4

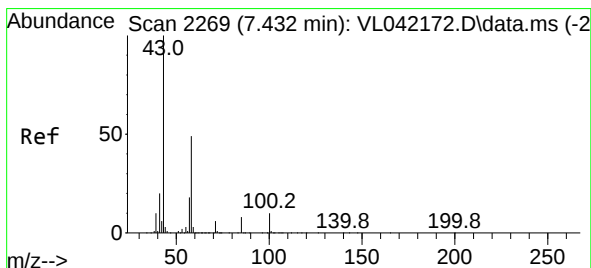
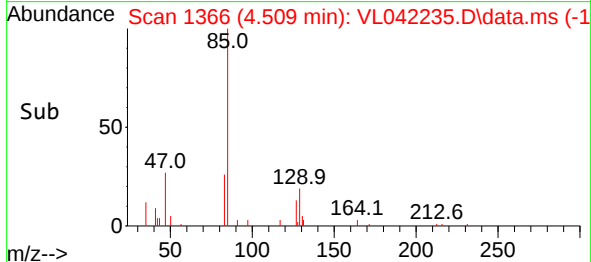
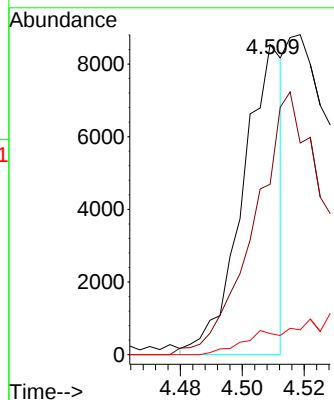
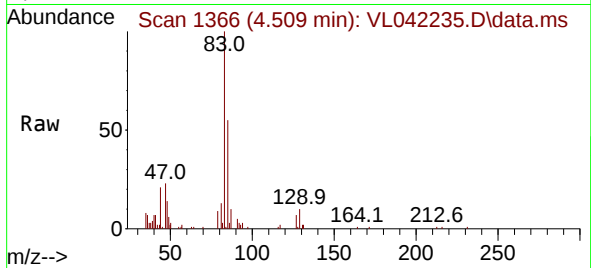




#42
Bromodichloromethane
Concen: 0.181 ppbv
RT: 4.509 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

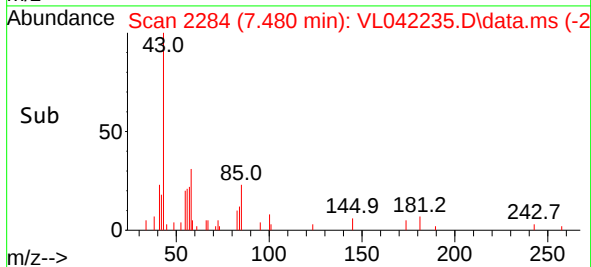
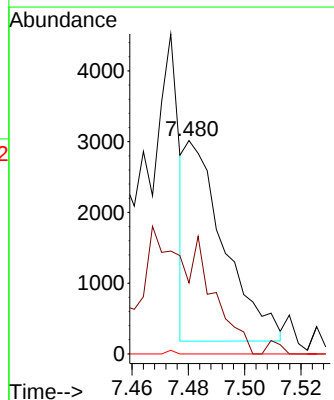
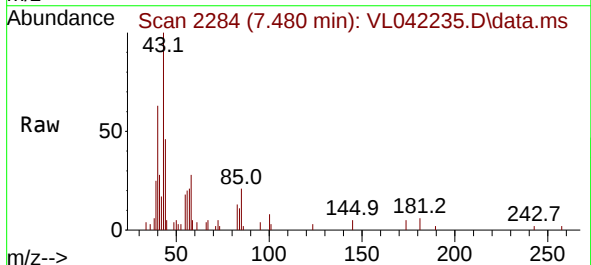
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

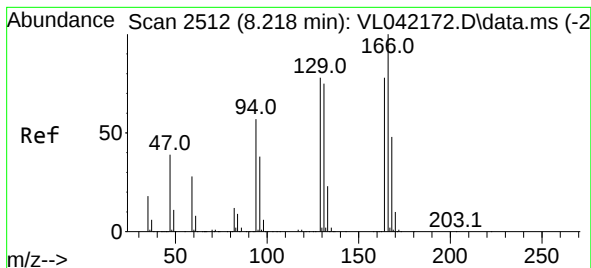
Tgt Ion: 83 Resp: 7639
Ion Ratio Lower Upper
83 100
85 53.8 50.5 75.7
127 7.0 5.9 8.9



#51
2-Hexanone
Concen: 0.053 ppbv
RT: 7.480 min Scan# 2284
Delta R.T. 0.048 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 3.128 ppbv

RT: 8.247 min Scan# 2124

Delta R.T. 0.029 min

Lab File: VL042235.D

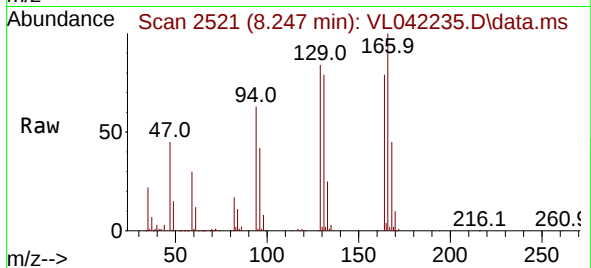
Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B10-4-04012025



Tgt Ion:164 Resp: 66227

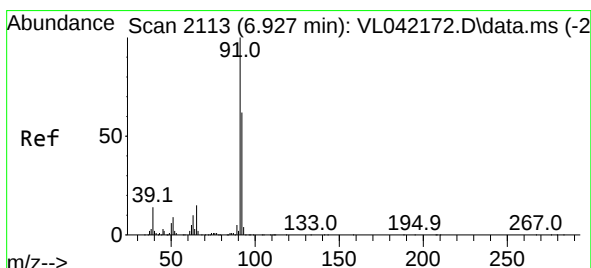
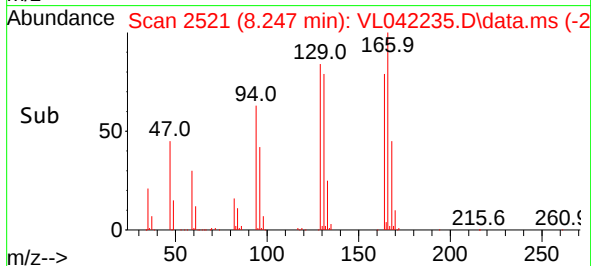
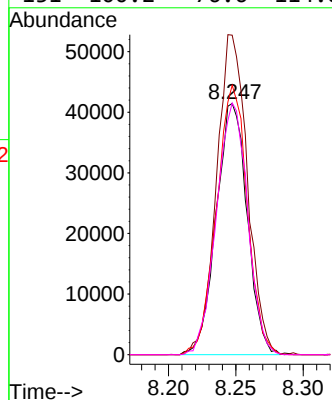
Ion Ratio Lower Upper

164 100

166 127.2 102.5 153.7

129 107.3 79.8 119.8

131 100.2 76.6 114.8



#53

Toluene

Concen: 1.391 ppbv

RT: 6.962 min Scan# 2124

Delta R.T. 0.035 min

Lab File: VL042235.D

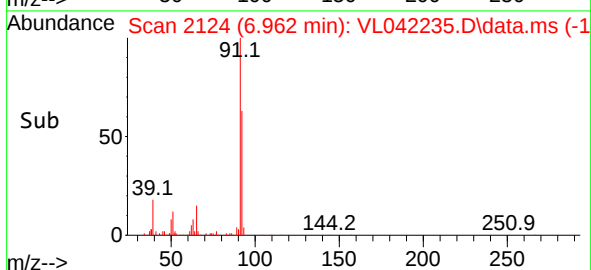
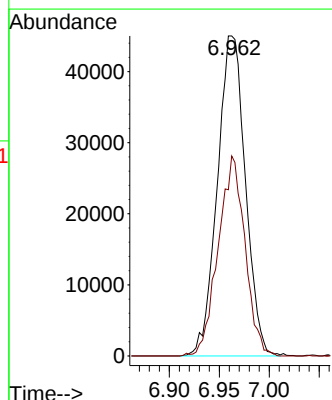
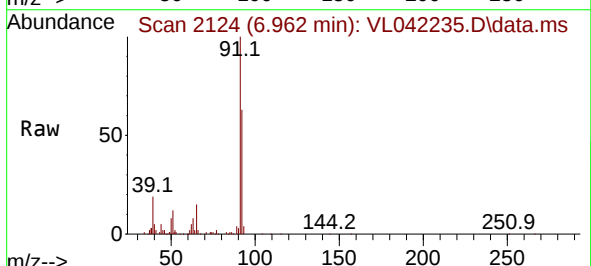
Acq: 07 Apr 2025 14:51

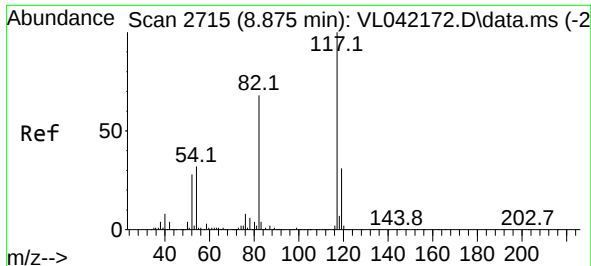
Tgt Ion: 91 Resp: 88021

Ion Ratio Lower Upper

91 100

92 59.6 48.4 72.6

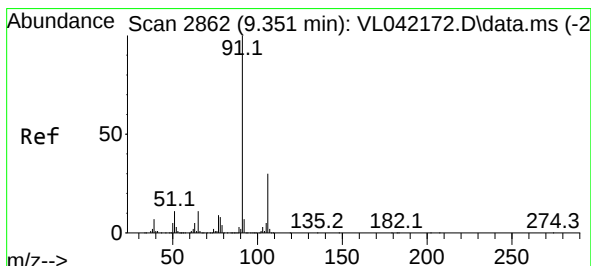
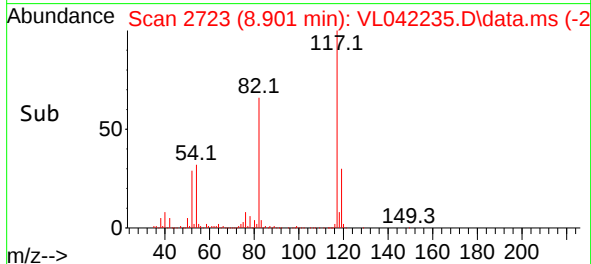
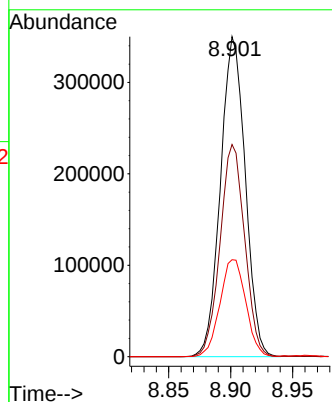
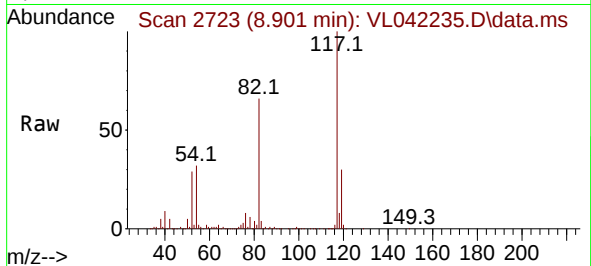




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

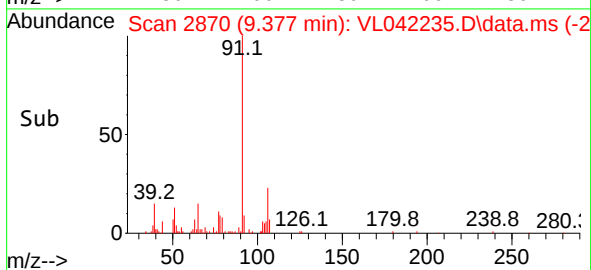
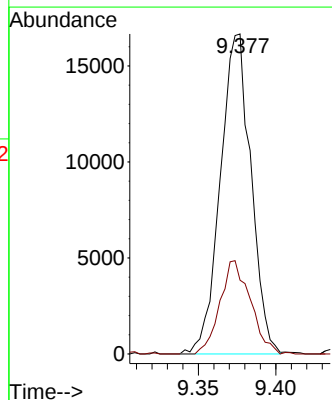
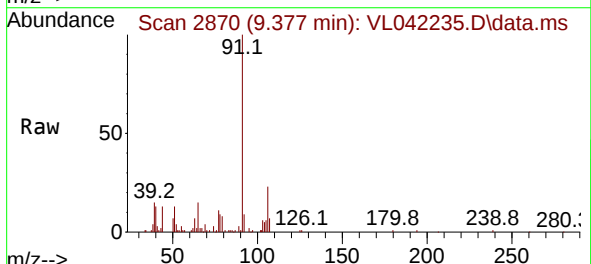
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-4-04012025

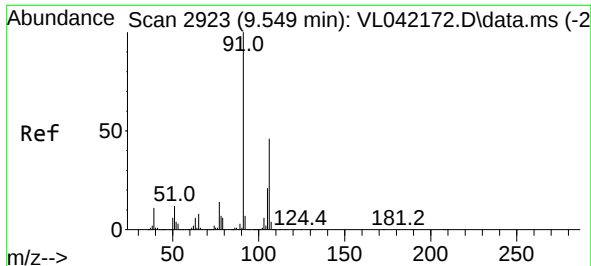
Tgt Ion:117 Resp: 487966
Ion Ratio Lower Upper
117 100
82 65.9 55.8 83.6
119 31.7 25.5 38.3



#58
Ethyl Benzene
Concen: 0.265 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 22956
Ion Ratio Lower Upper
91 100
106 23.1 24.2 36.2#





#59

m/p-Xylene

Concen: 1.131 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

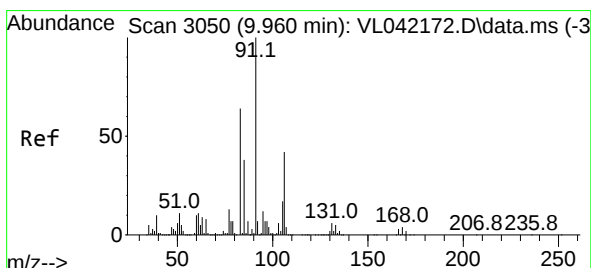
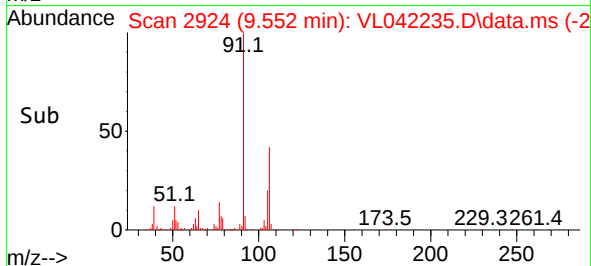
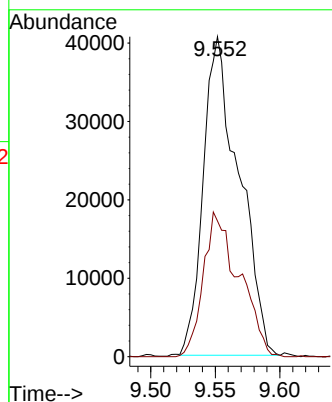
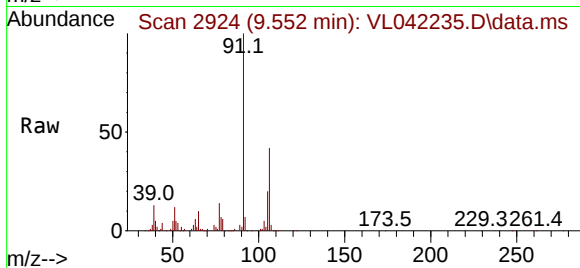
SSSG-B10-4-04012025

Tgt Ion: 91 Resp: 78245

Ion Ratio Lower Upper

91 100

106 45.6 36.4 54.6



#60

o-Xylene

Concen: 0.385 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.023 min

Lab File: VL042235.D

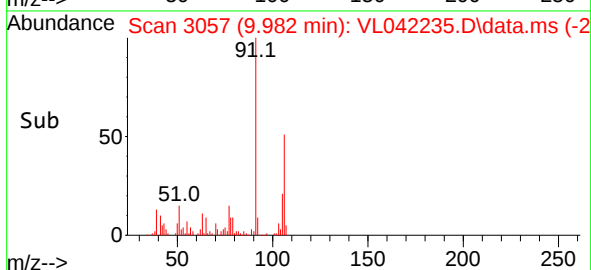
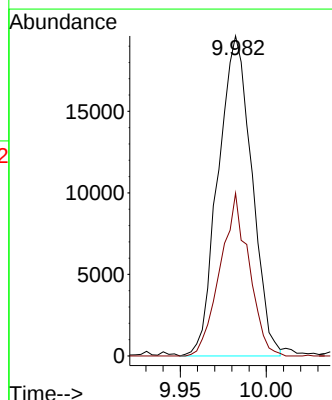
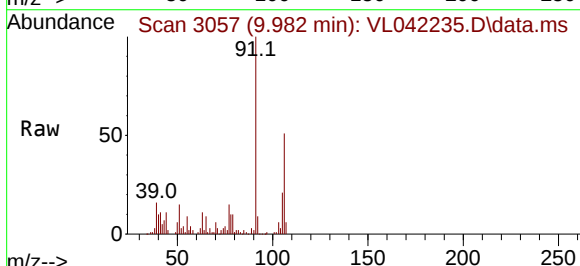
Acq: 07 Apr 2025 14:51

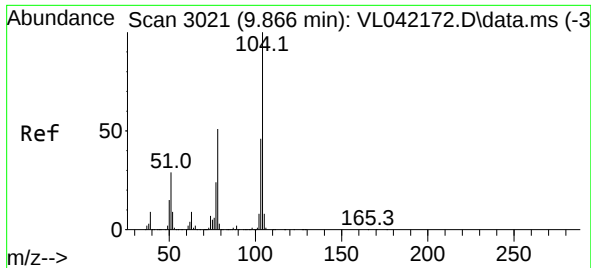
Tgt Ion: 91 Resp: 26678

Ion Ratio Lower Upper

91 100

106 43.4 20.8 62.5

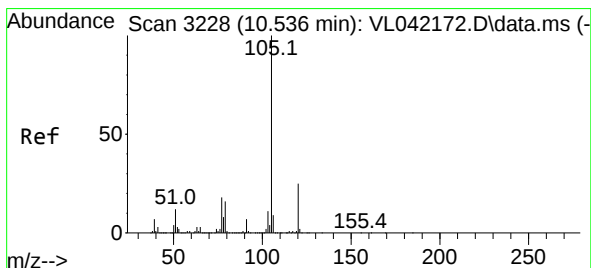
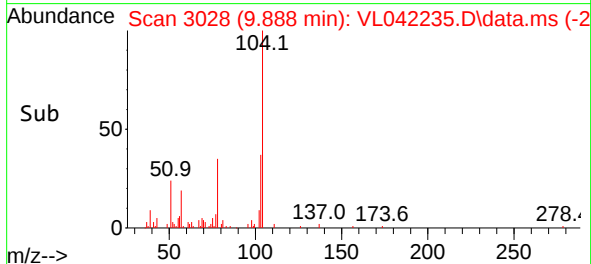
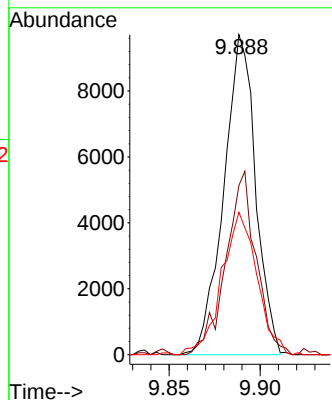
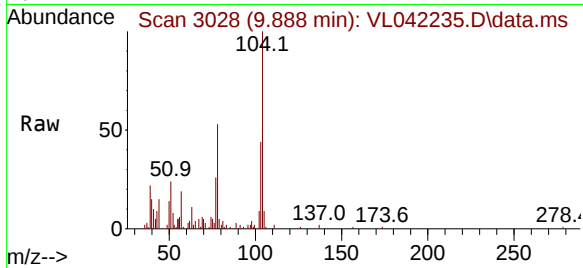




#61
Styrene
Concen: 0.344 ppbv
RT: 9.888 min Scan# 3021
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

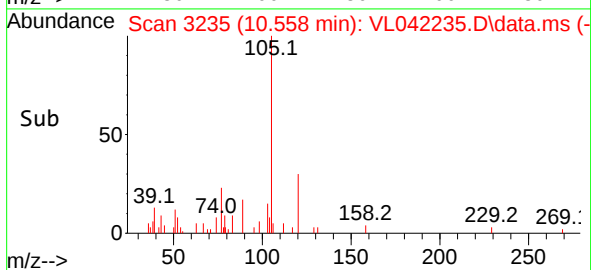
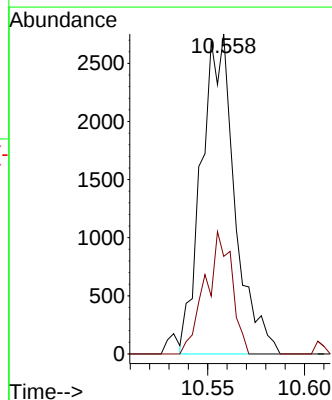
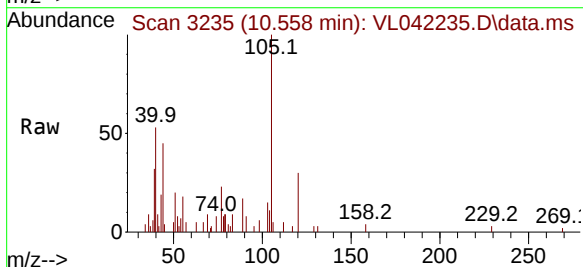
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

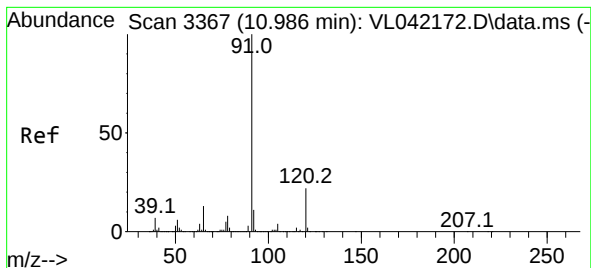
Tgt Ion:104 Resp: 11796
Ion Ratio Lower Upper
104 100
78 55.6 41.8 62.6
103 49.4 37.0 55.4



#62
Isopropylbenzene
Concen: 0.032 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 3298
Ion Ratio Lower Upper
105 100
120 30.4 19.9 29.9#





#64

n-propylbenzene

Concen: 0.075 ppbv

RT: 11.002 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

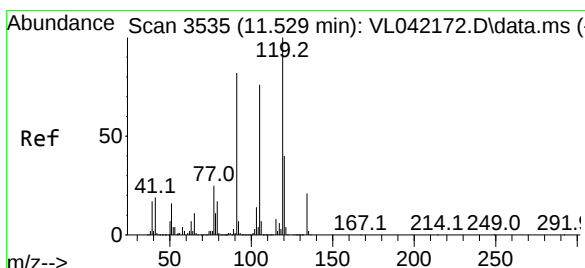
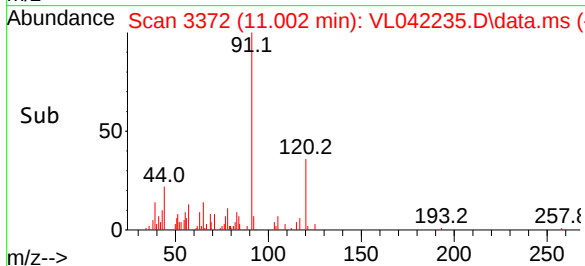
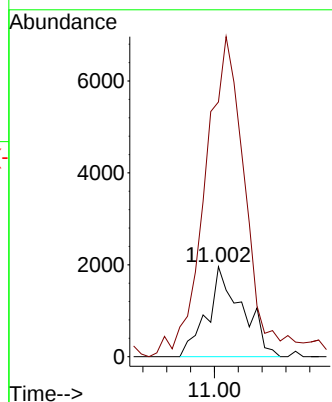
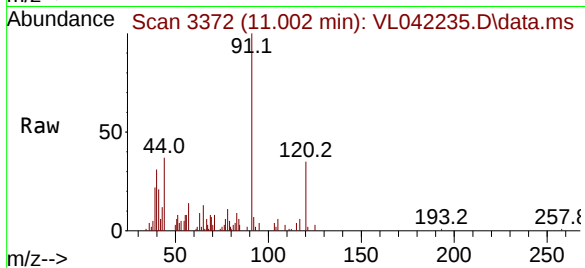
SSSG-B10-4-04012025

Tgt Ion:120 Resp: 1995

Ion Ratio Lower Upper

120 100

91 445.5 376.9 565.3



#65

tert-Butylbenzene

Concen: 0.039 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.023 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

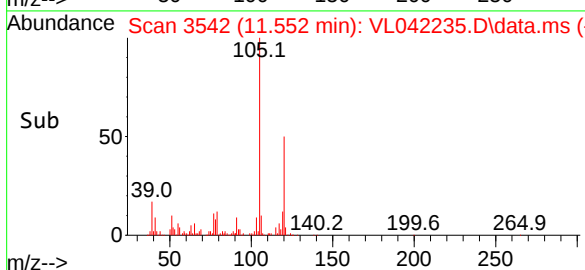
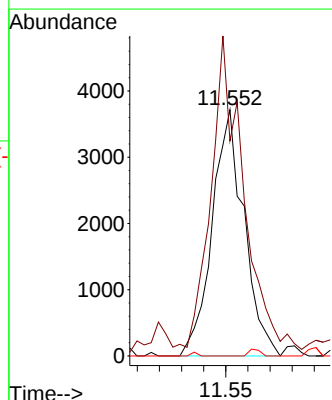
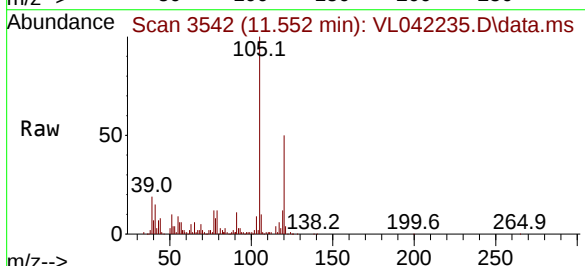
Tgt Ion:119 Resp: 3723

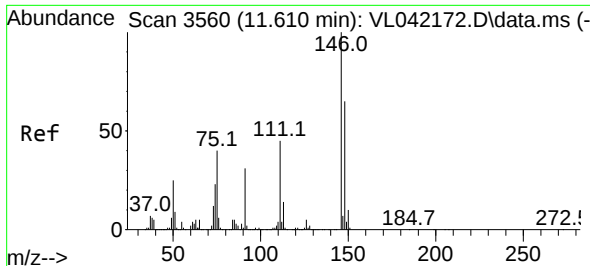
Ion Ratio Lower Upper

119 100

91 138.4 66.0 99.0#

134 0.0 16.7 25.1#

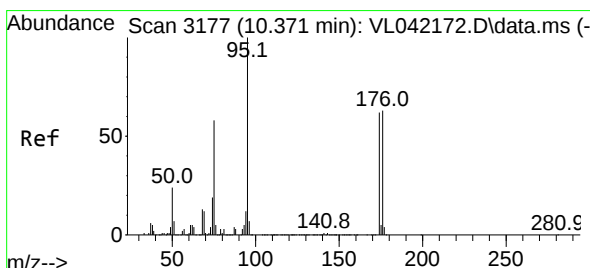
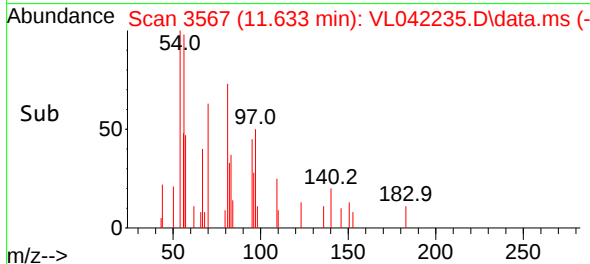
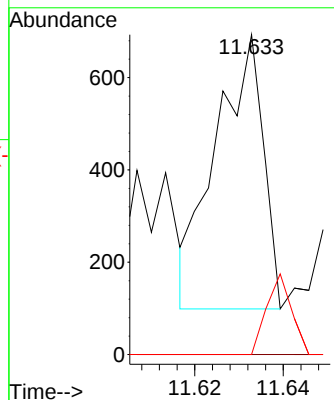
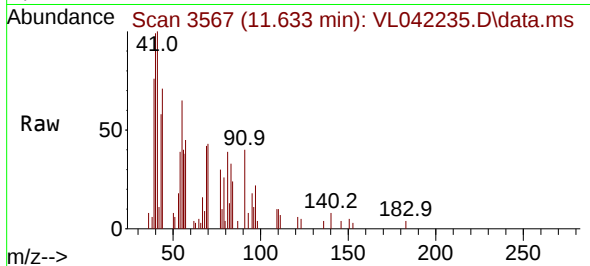




#66
Benzyl Chloride
Concen: 0.043 ppbv
RT: 11.633 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

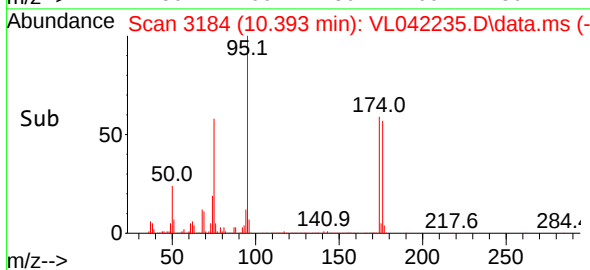
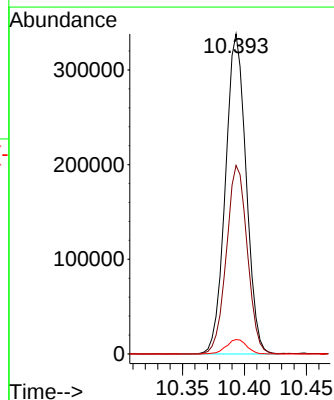
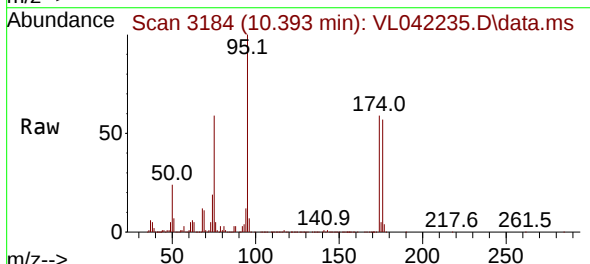
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B10-4-04012025

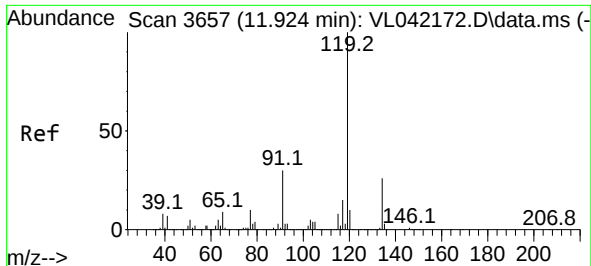
Tgt Ion: 91 Resp: 441
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.6#
128 15.4 4.5 6.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.805 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 95 Resp: 392922
Ion Ratio Lower Upper
95 100
174 59.8 50.6 76.0
175 4.5 3.8 5.6

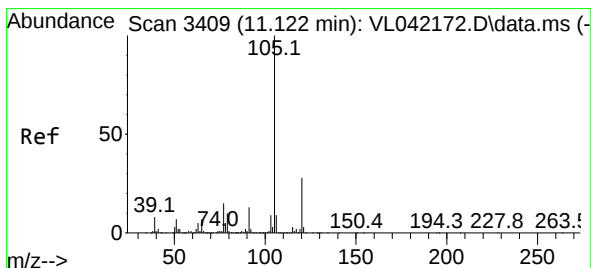
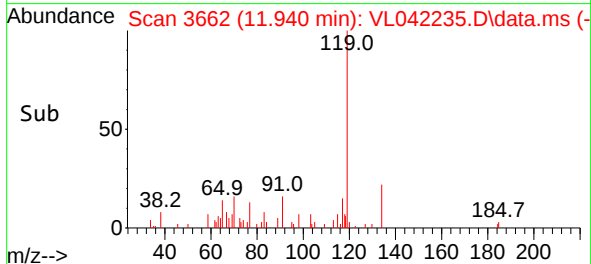
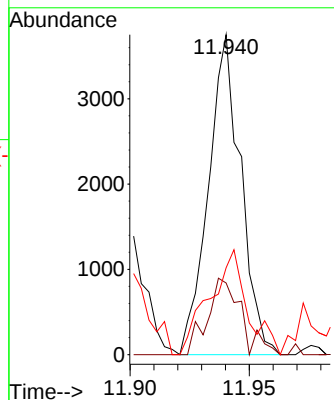
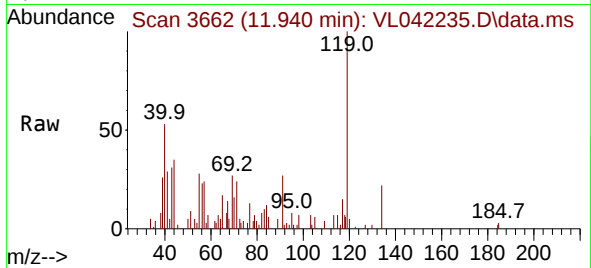




#69
p-Isopropyltoluene
Concen: 0.031 ppbv
RT: 11.940 min Scan# 3119
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

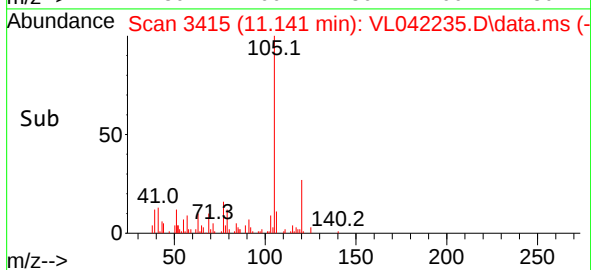
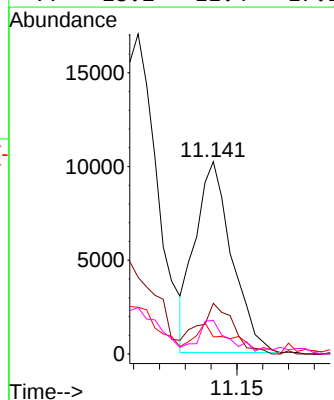
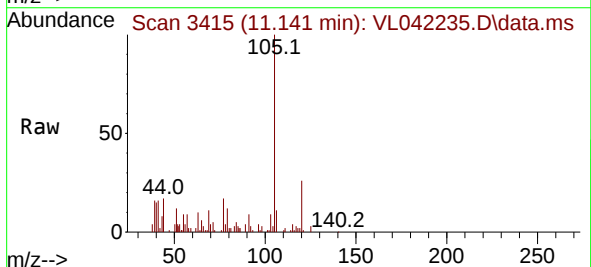
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

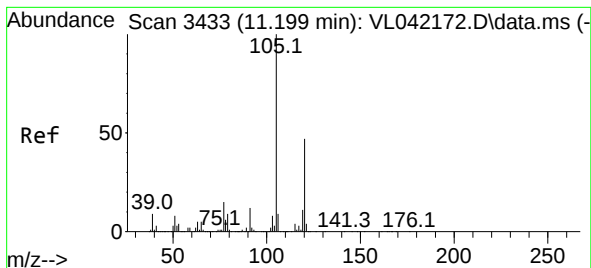
Tgt Ion:119 Resp: 3553
Ion Ratio Lower Upper
119 100
134 25.8 20.4 30.6
91 37.1 23.7 35.5#



#72
4-Ethyltoluene
Concen: 0.116 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 10060
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 15.9 10.3 15.5#
77 18.2 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.093 ppbv

RT: 11.215 min Scan# 3433

Delta R.T. 0.016 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

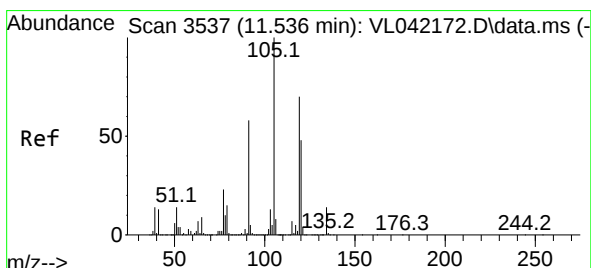
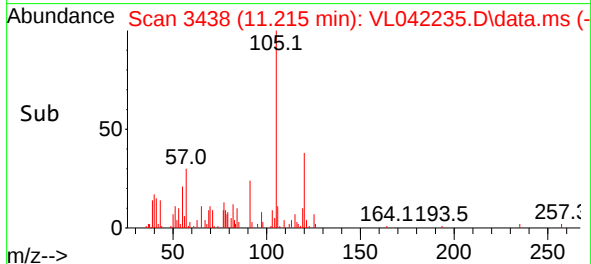
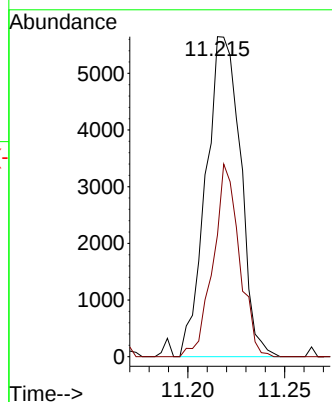
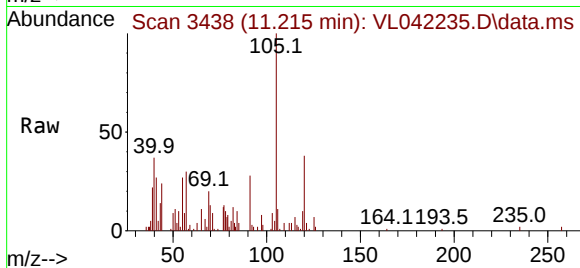
SSSG-B10-4-04012025

Tgt Ion:105 Resp: 7009

Ion Ratio Lower Upper

105 100

120 38.0 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 0.381 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.016 min

Lab File: VL042235.D

Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 33126

Ion Ratio Lower Upper

105 100

120 50.0 38.6 58.0

91 10.1 46.2 69.2#

77 10.8 18.6 27.8#

