

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042100.D
 Acq On : 05 Mar 2025 12:45
 Operator : SY/MD
 Sample : Q1483-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Quant Time: Mar 06 01:06:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.806	49	164636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.984	114	383796	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.907	117	323657	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	236227	9.487	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	10074	0.588	ppbv	99
3) Chlorodifluoromethane	1.482	51	117117	4.895	ppbv	94
4) Chloromethane	1.541	50	4722	0.746	ppbv #	88
6) Bromomethane	1.670	94	149	0.052	ppbv #	2
7) Chloroethane	1.712	64	1286	0.529	ppbv #	78
8) Dichlorotetrafluoroethane	1.563	85	425	0.030	ppbv #	56
9) Propene	1.567	41	54695	5.611	ppbv	99
10) Heptane	5.017	43	2141	0.071	ppbv #	8
11) Trichlorofluoromethane	1.887	101	11993	0.699	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.152	101	1276	0.093	ppbv	92
13) Ethanol	1.735	45	1322710	2137.524	ppbv	98
15) Acetone	1.845	43	1668409	114.753	ppbv #	84
16) 1,3-Butadiene	1.567	39	24312	3.593	ppbv #	13
17) tert-Butyl alcohol	1.916	59	774473	42.576	ppbv #	90
19) Isopropyl Alcohol	1.916	45	5585741	668.826	ppbv #	34
20) Methylene Chloride	2.075	84	109826	19.970	ppbv	93
21) Allyl Chloride	1.974	41	186402	17.744	ppbv #	55
22) trans-1,2-Dichloroethene	2.742	96	9290	1.289	ppbv	90
23) Vinyl Acetate	2.473	43	7727	0.756	ppbv #	82
25) Ethyl Acetate	2.858	43	109349	1.879	ppbv #	88
26) Hexane	2.848	57	13463	0.572	ppbv #	1
27) Carbon Disulfide	2.162	76	1935	0.121	ppbv #	60
29) Chloroform	2.868	83	24361	0.769	ppbv #	83
31) cis-1,2-Dichloroethene	2.742	61	13521	0.607	ppbv	94
34) 2-Butanone	2.576	43	36674	1.227	ppbv	99
35) Carbon Tetrachloride	3.784	117	1938	0.073	ppbv #	59
36) Benzene	3.680	78	9735	0.242	ppbv #	82
38) Trichloroethene	4.580	130	14988	0.914	ppbv	90
39) 1,2-Dichloropropane	3.984	63	98401	6.453	ppbv #	22
41) Tetrahydrofuran	3.081	42	5950	0.337	ppbv #	38
43) Methyl Methacrylate	4.920	69	63798	4.066	ppbv	96
49) Bromoform	9.509	173	1670	0.079	ppbv	91
52) Tetrachloroethene	8.254	164	542455	39.439	ppbv	96
53) Toluene	6.975	91	19809	0.441	ppbv	98
58) Ethyl Benzene	9.555	91	5848	0.098	ppbv	93
59) m/p-Xylene	9.555	91	5848	0.123	ppbv #	100
60) o-Xylene	9.988	91	4084	0.086	ppbv	95
61) Styrene	9.901	104	677	0.030	ppbv #	1
66) Benzyl Chloride	11.568	91	295	0.059	ppbv #	94
69) p-Isopropyltoluene	11.947	119	3819	0.052	ppbv #	86
73) 1,3,5-Trimethylbenzene	11.225	105	1774	0.035	ppbv #	73
74) 1,2,4-Trimethylbenzene	11.555	105	5959	0.105	ppbv #	69
75) 1,3-Dichlorobenzene	11.694	146	6297	0.192	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
Data File : VL042100.D
Acq On : 05 Mar 2025 12:45
Operator : SY/MD
Sample : Q1483-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

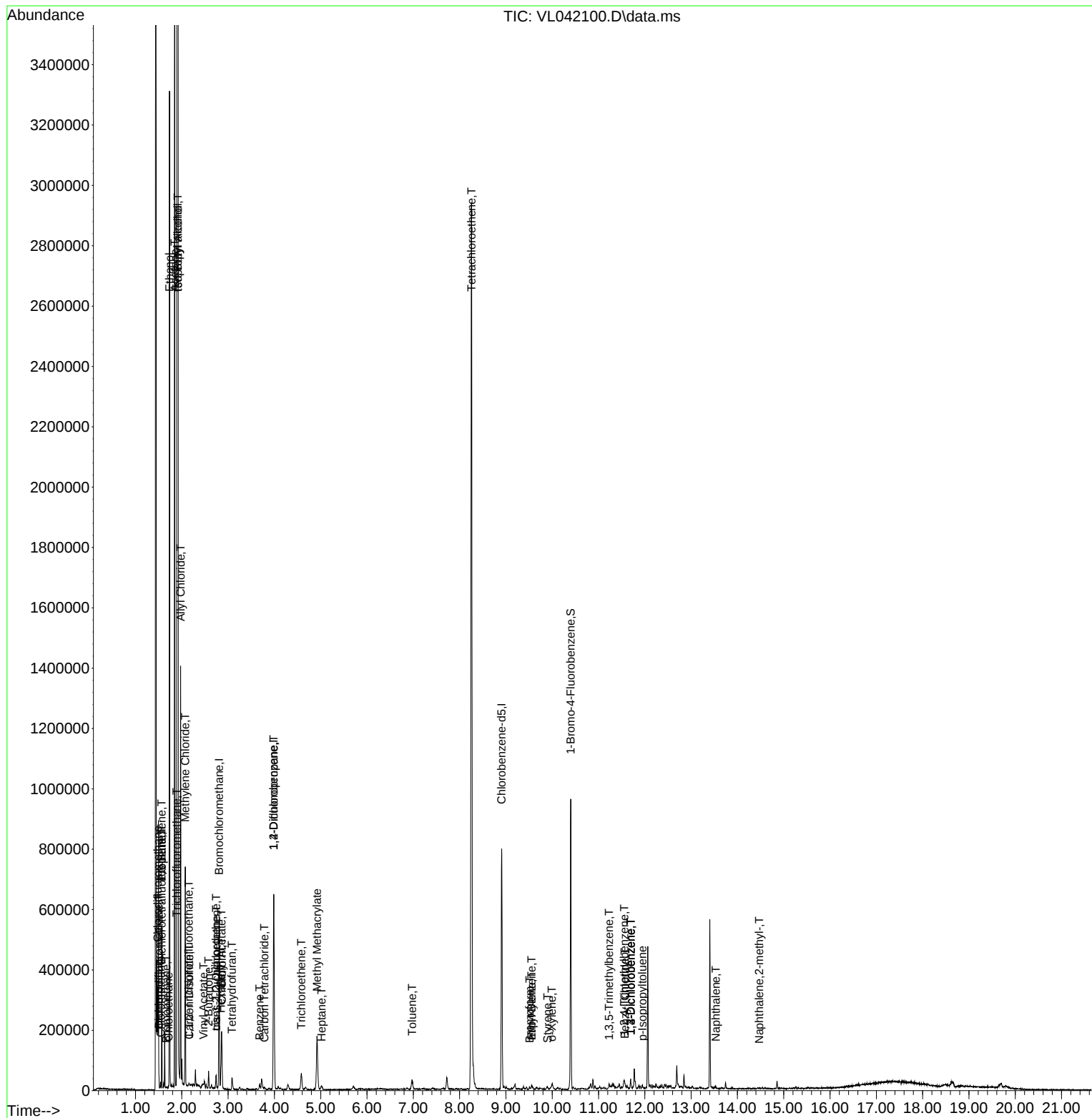
Instrument :
MSVOA_L
ClientSampleId :
IA2

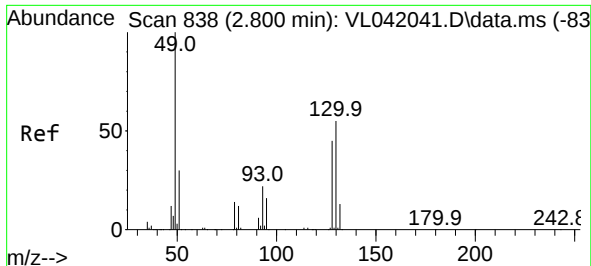
Quant Time: Mar 06 01:06:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-Dichlorobenzene	11.694	146	6297	0.194	ppbv	91
77) 1,2-Dichlorobenzene	11.694	146	6297	0.198	ppbv	91
79) Naphthalene	13.533	128	2864	0.073	ppbv #	86
80) Naphthalene,2-methyl-	14.471	142	739	0.069	ppbv #	82

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

Quant Time: Mar 06 01:06:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

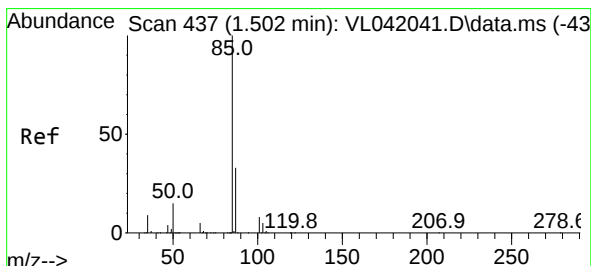
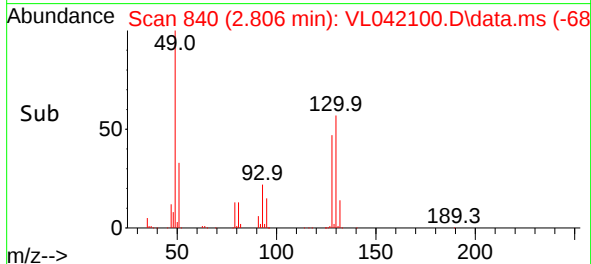
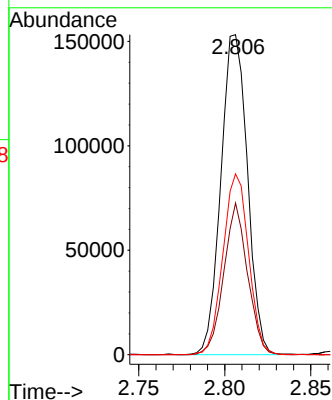
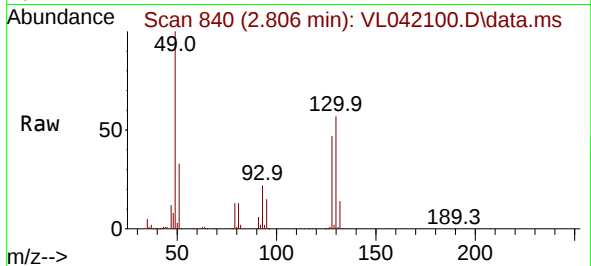




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.806 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

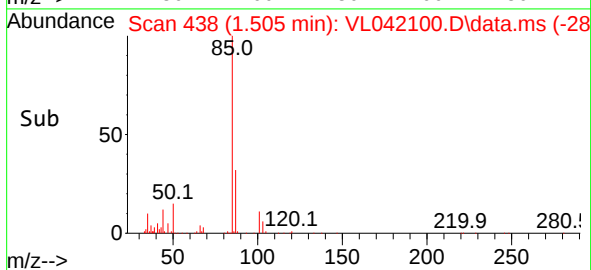
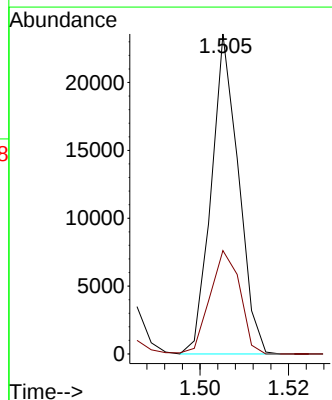
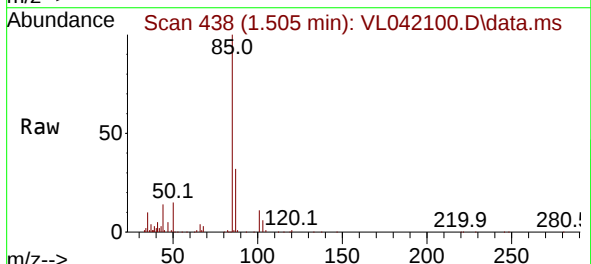
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

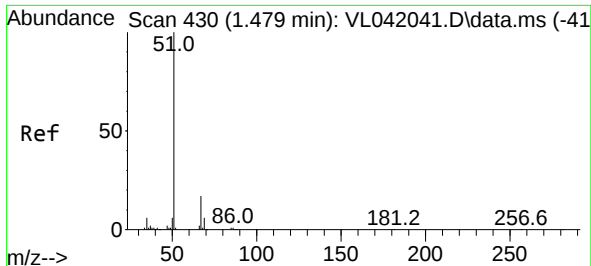
Tgt Ion: 49 Resp: 164636
 Ion Ratio Lower Upper
 49 100
 128 42.4 21.6 64.8
 130 54.6 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 0.588 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. 0.003 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

Tgt Ion: 85 Resp: 10074
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.4 39.6





#3

Chlorodifluoromethane

Concen: 4.895 ppbv

RT: 1.482 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_L

ClientSampleId :

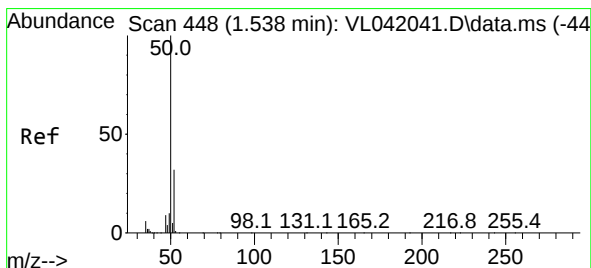
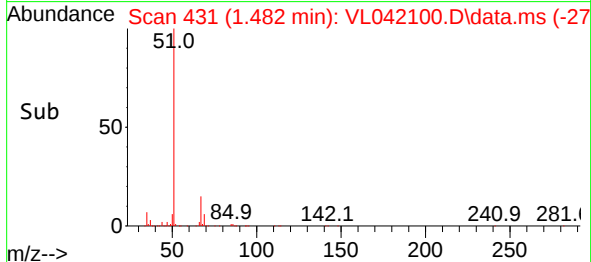
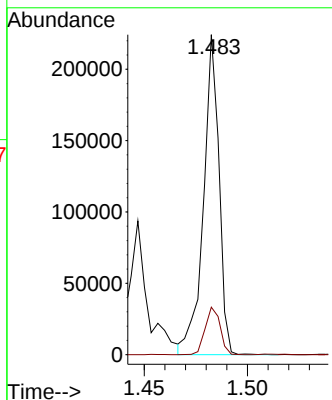
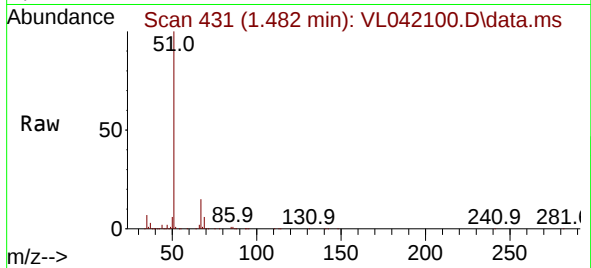
IA2

Tgt Ion: 51 Resp: 117117

Ion Ratio Lower Upper

51 100

67 14.6 13.7 20.5



#4

Chloromethane

Concen: 0.746 ppbv

RT: 1.541 min Scan# 449

Delta R.T. 0.003 min

Lab File: VL042100.D

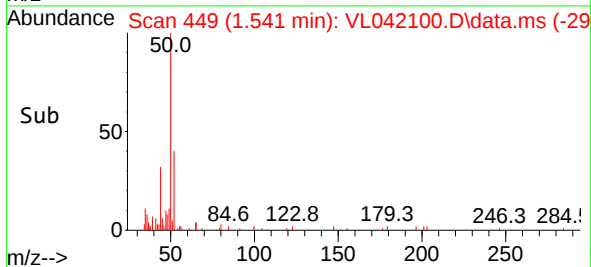
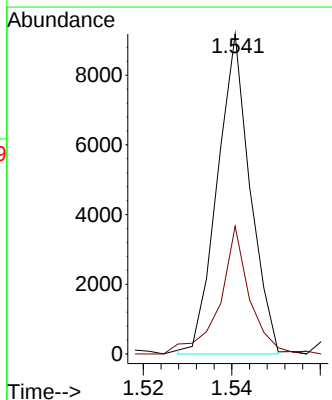
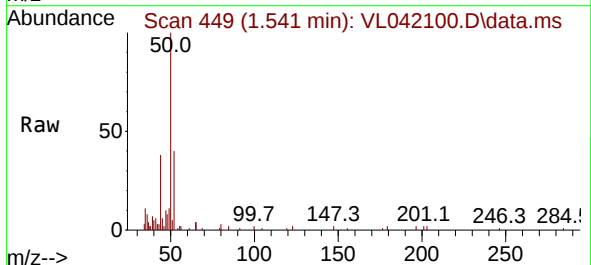
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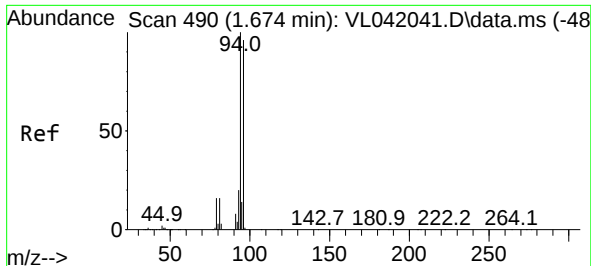
Tgt Ion: 50 Resp: 4722

Ion Ratio Lower Upper

50 100

52 38.3 25.4 38.0#

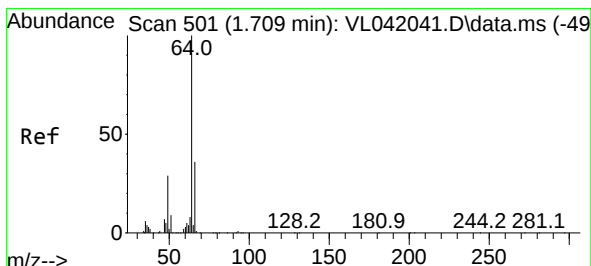
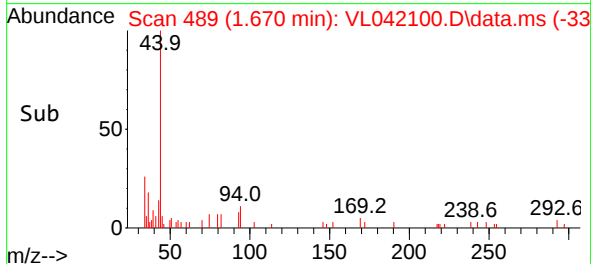
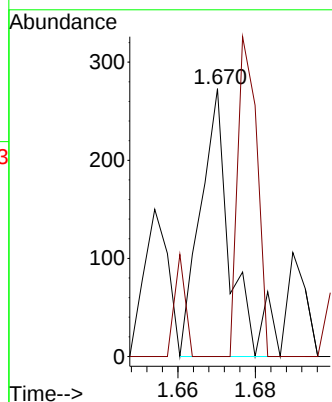
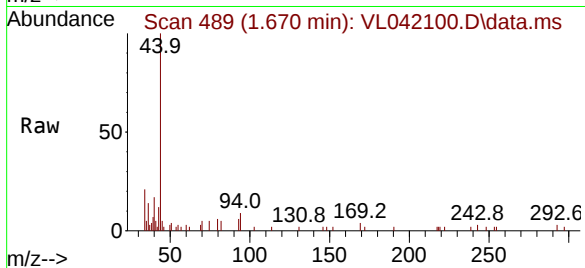




#6
Bromomethane
Concen: 0.052 ppbv
RT: 1.670 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

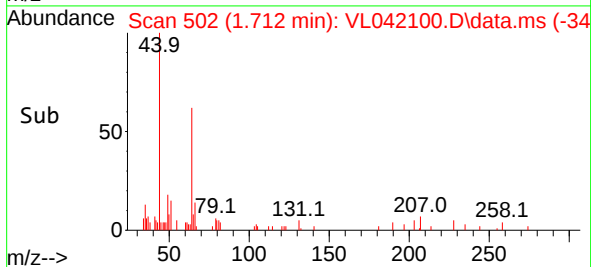
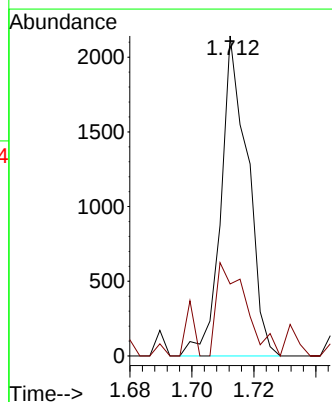
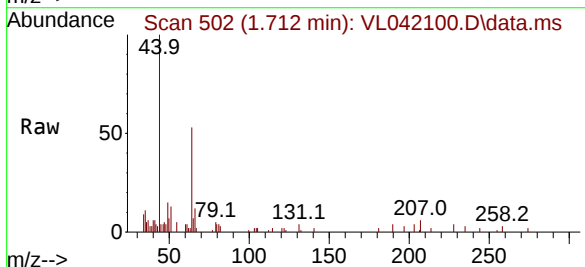
Instrument :
MSVOA_L
ClientSampleId :
IA2

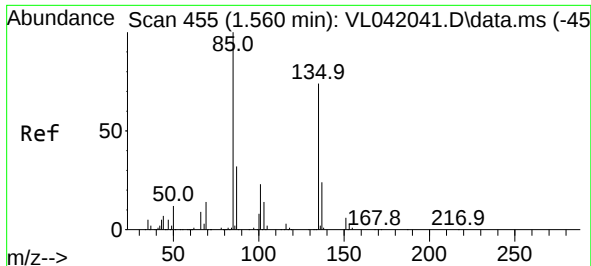
Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#



#7
Chloroethane
Concen: 0.529 ppbv
RT: 1.712 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 64 Resp: 1286
Ion Ratio Lower Upper
64 100
66 22.5 28.4 42.6#

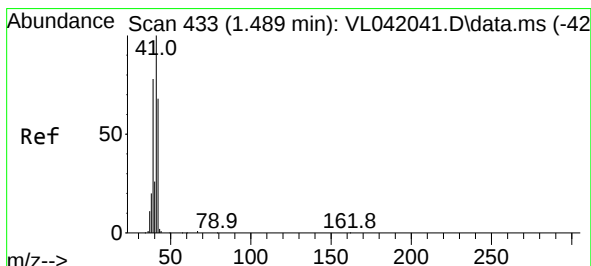
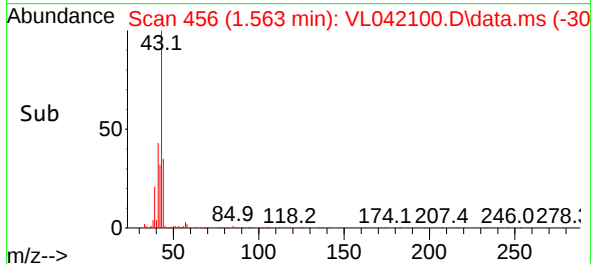
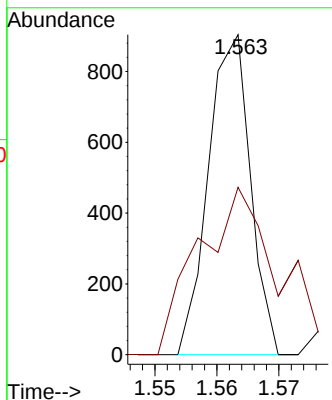
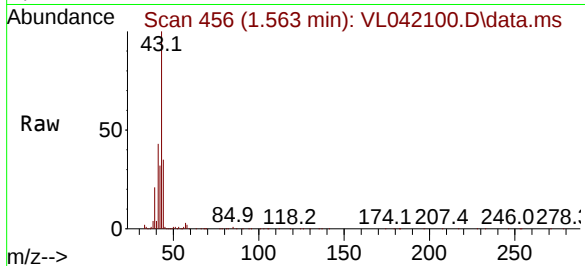




#8
 Dichlorotetrafluoroethane
 Concen: 0.030 ppbv
 RT: 1.563 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

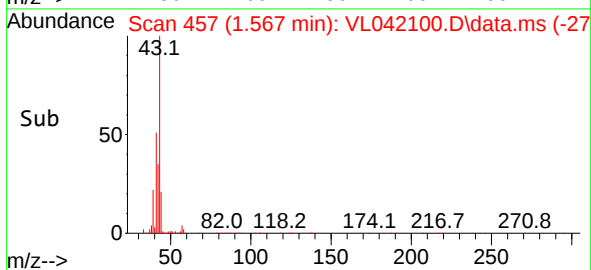
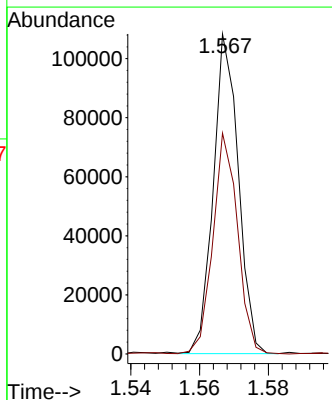
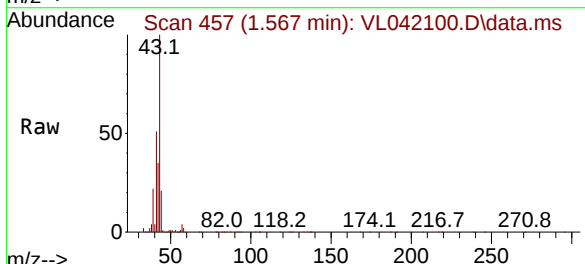
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

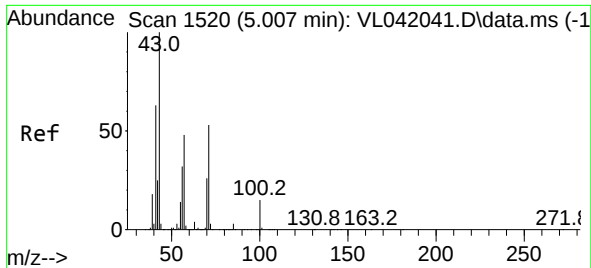
Tgt Ion: 85 Resp: 425
 Ion Ratio Lower Upper
 85 100
 135 103.5 54.6 81.8#



#9
 Propene
 Concen: 5.611 ppbv
 RT: 1.567 min Scan# 457
 Delta R.T. 0.077 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

Tgt Ion: 41 Resp: 54695
 Ion Ratio Lower Upper
 41 100
 42 68.6 55.8 83.6

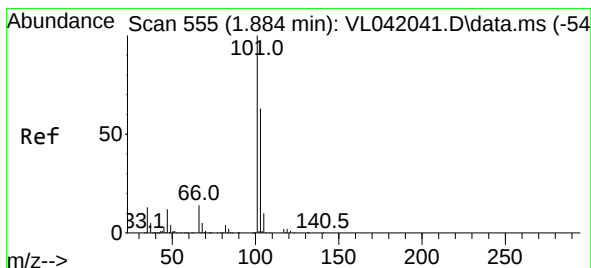
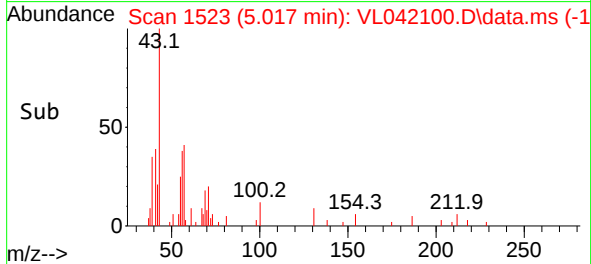
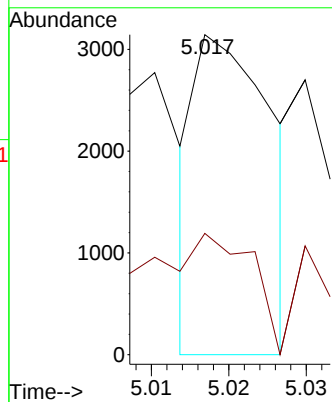
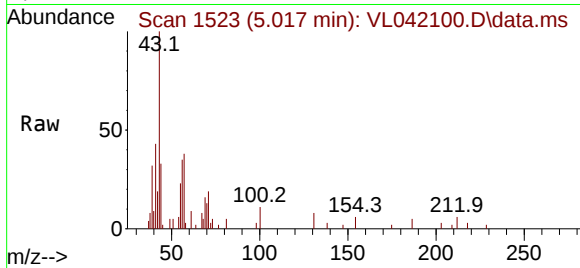




#10
Heptane
Concen: 0.071 ppbv
RT: 5.017 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

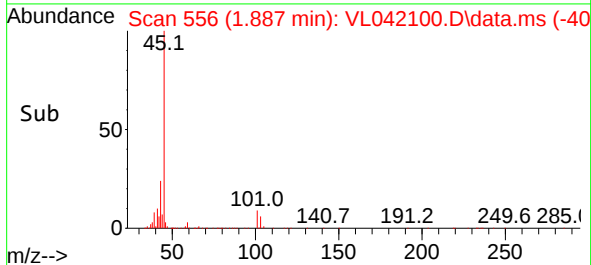
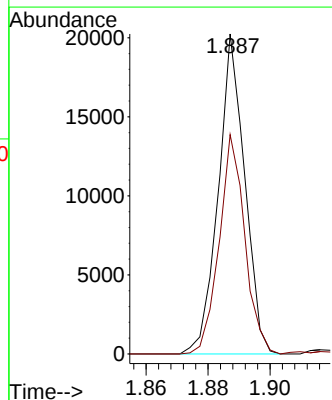
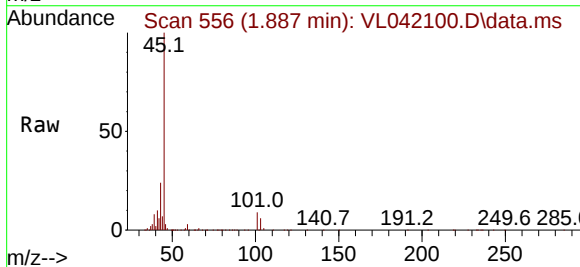
Instrument :
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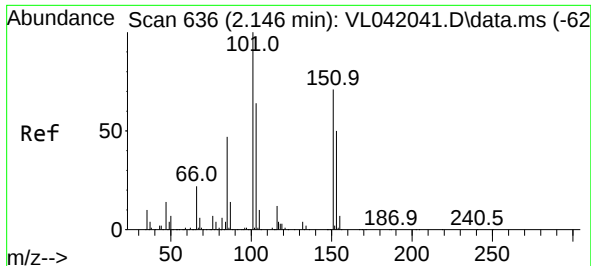
Tgt Ion: 43 Resp: 2141
Ion Ratio Lower Upper
43 100
57 111.8 39.4 59.0#



#11
Trichlorofluoromethane
Concen: 0.699 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion:101 Resp: 11993
Ion Ratio Lower Upper
101 100
103 68.6 50.6 75.8

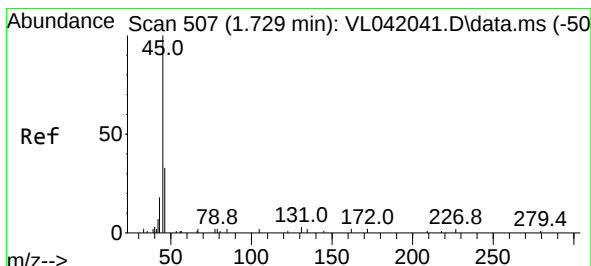
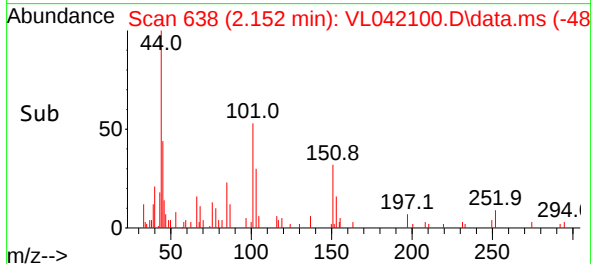
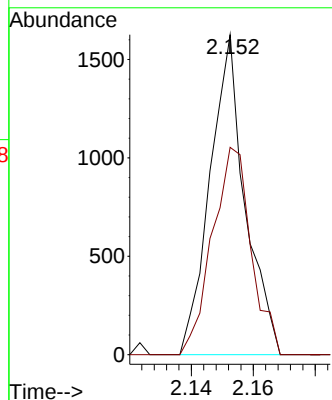
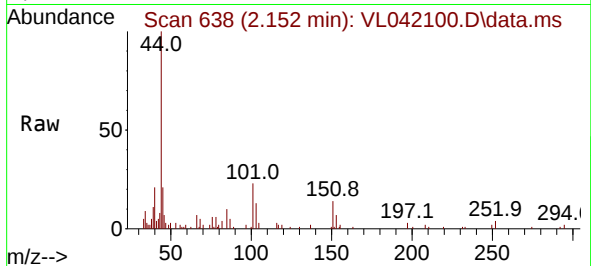




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.093 ppbv
RT: 2.152 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

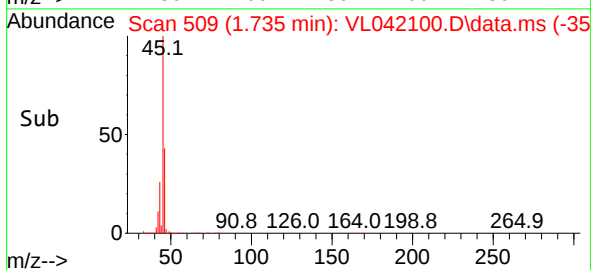
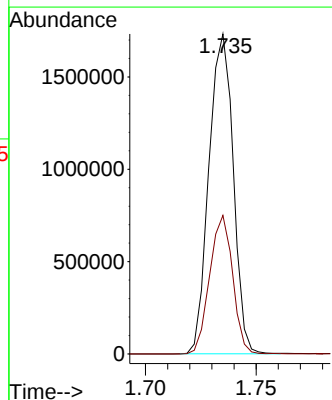
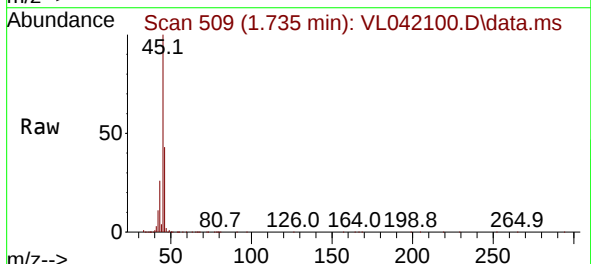
Instrument :
MSVOA_L
ClientSampleId :
IA2

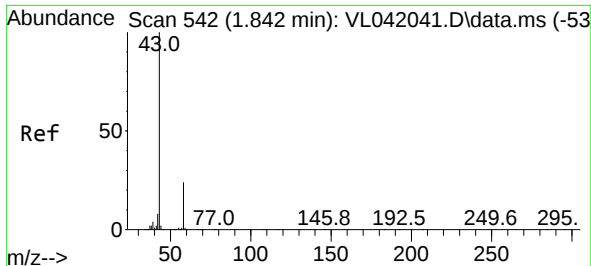
Tgt Ion:101 Resp: 1276
Ion Ratio Lower Upper
101 100
151 71.7 62.6 94.0



#13
Ethanol
Concen: 2137.524 ppbv
RT: 1.735 min Scan# 509
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 45 Resp: 1322710
Ion Ratio Lower Upper
45 100
46 41.1 17.1 68.3

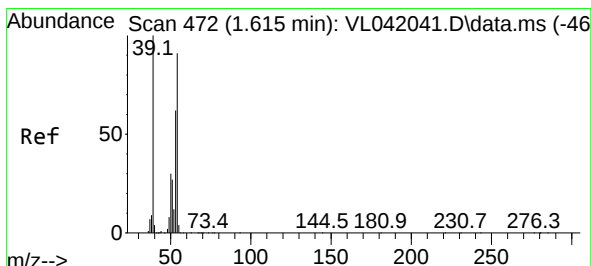
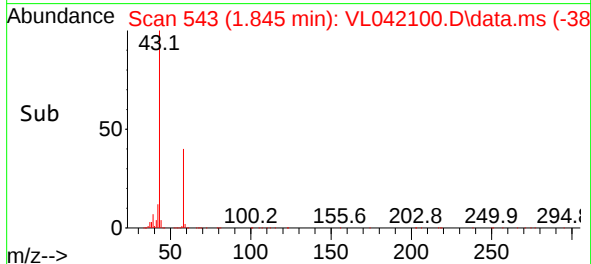
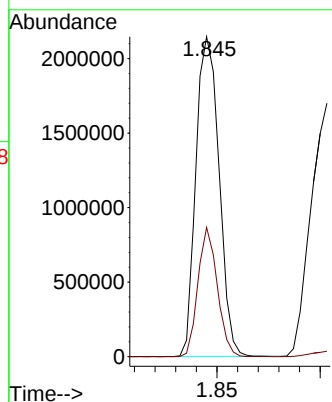
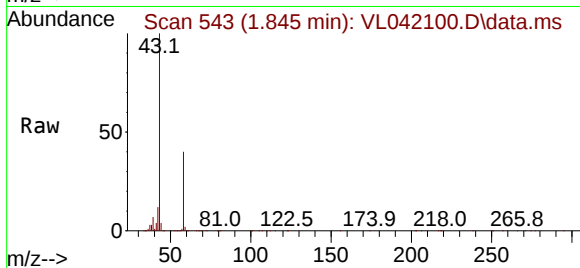




#15
Acetone
Concen: 114.753 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

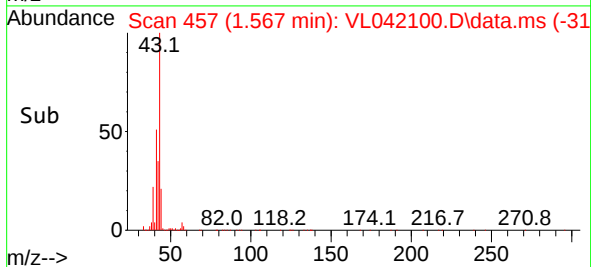
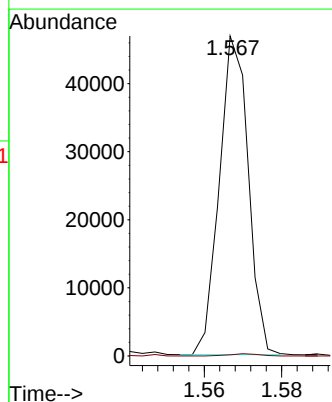
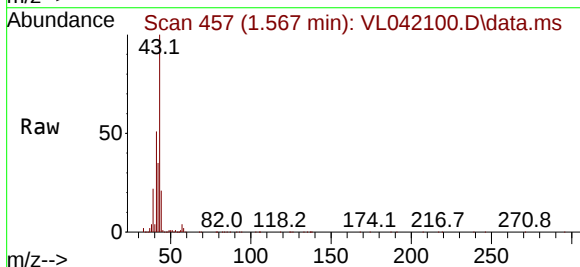
Instrument :
MSVOA_L
ClientSampleId :
IA2

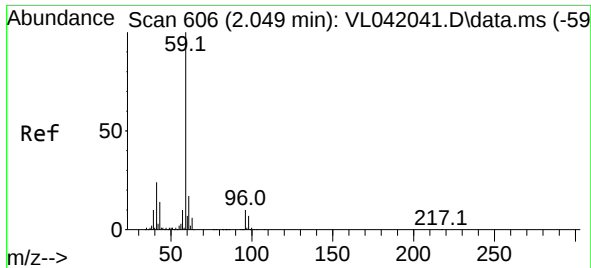
Tgt Ion: 43 Resp: 1668409
Ion Ratio Lower Upper
43 100
58 33.9 20.7 31.1#



#16
1,3-Butadiene
Concen: 3.593 ppbv
RT: 1.567 min Scan# 457
Delta R.T. -0.049 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 39 Resp: 24312
Ion Ratio Lower Upper
39 100
54 0.9 59.6 89.4#





#17

tert-Butyl alcohol

Concen: 42.576 ppbv

RT: 1.916 min Scan# 5

Delta R.T. -0.133 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_L

ClientSampleId :

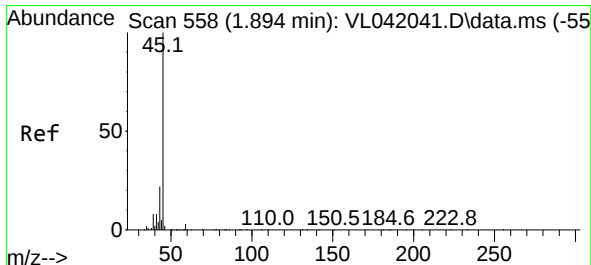
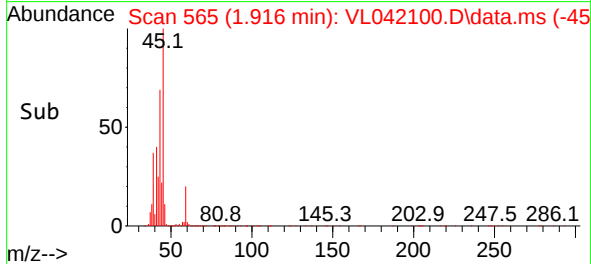
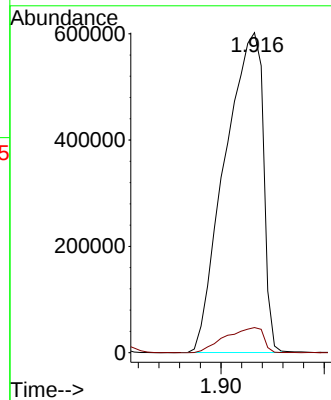
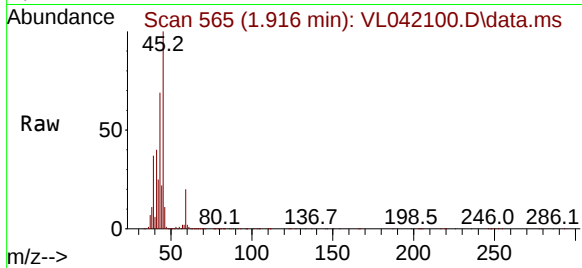
IA2

Tgt Ion: 59 Resp: 774473

Ion Ratio Lower Upper

59 100

57 7.9 9.3 13.9#



#19

Isopropyl Alcohol

Concen: 668.826 ppbv

RT: 1.916 min Scan# 565

Delta R.T. 0.022 min

Lab File: VL042100.D

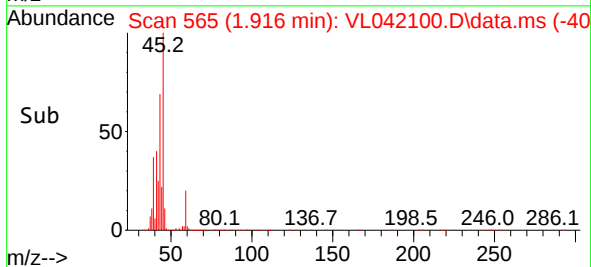
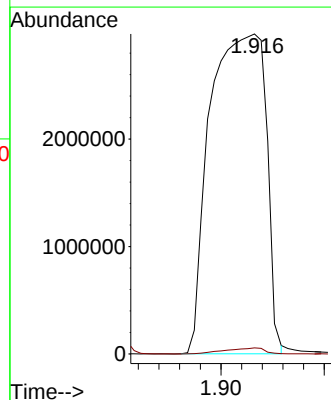
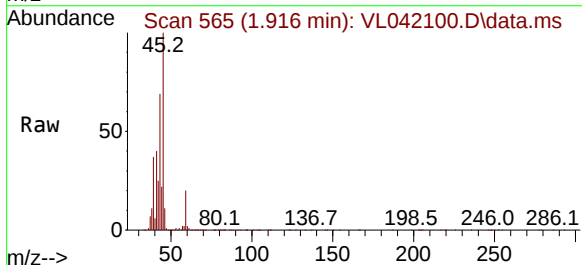
Acq: 05 Mar 2025 12:45

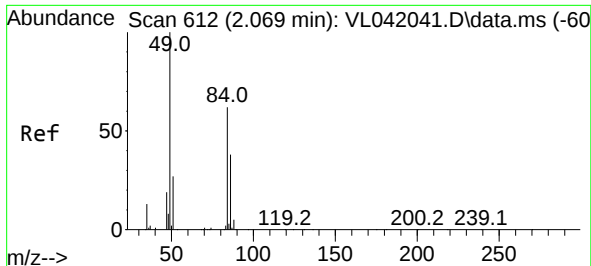
Tgt Ion: 45 Resp: 5585741

Ion Ratio Lower Upper

45 100

58 1.4 35.3 52.9#

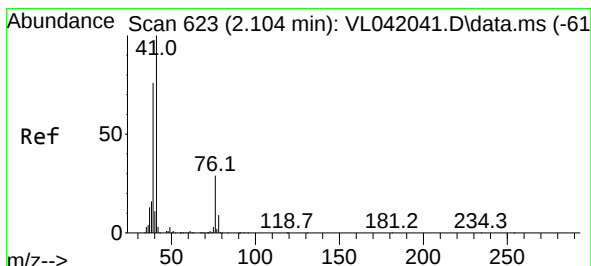
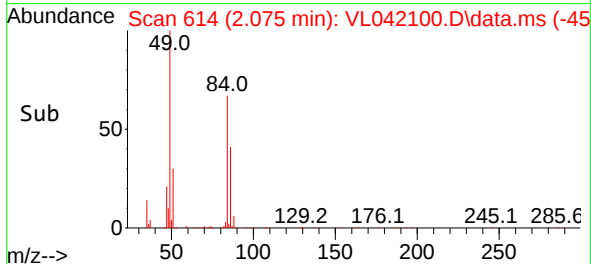
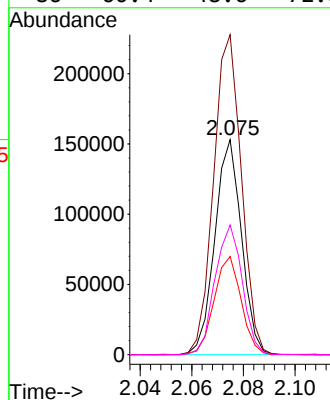
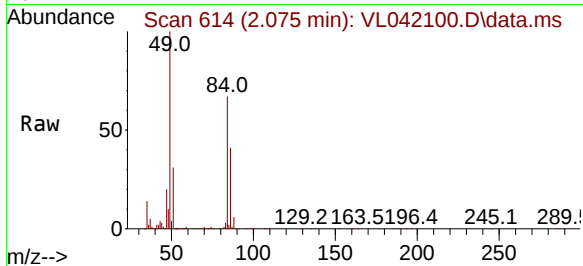




#20
Methylene Chloride
Concen: 19.970 ppbv
RT: 2.075 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

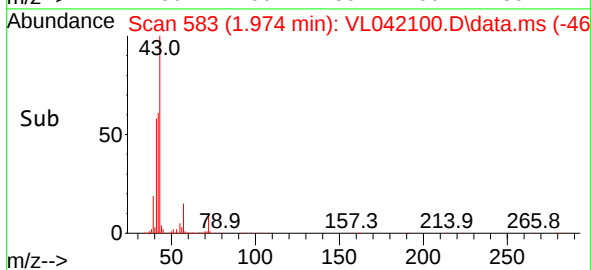
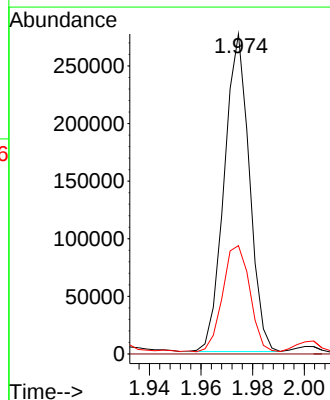
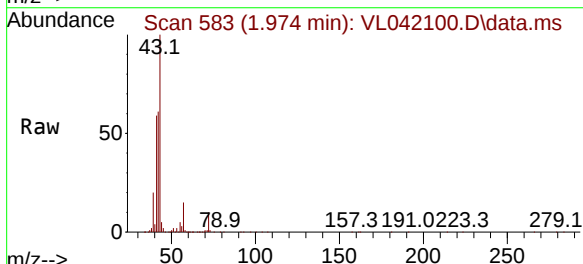
Instrument :
MSVOA_L
ClientSampleId :
IA2

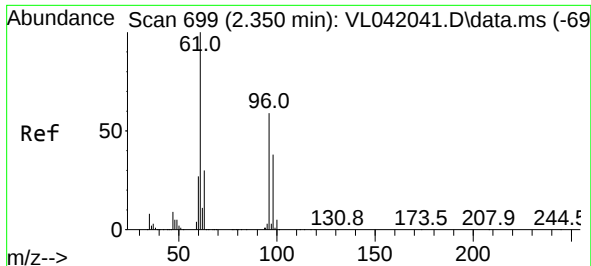
Tgt Ion: 84 Resp: 109826
Ion Ratio Lower Upper
84 100
49 148.7 130.0 195.0
51 45.6 37.4 56.0
86 60.4 48.6 72.8



#21
Allyl Chloride
Concen: 17.744 ppbv
RT: 1.974 min Scan# 583
Delta R.T. -0.130 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 41 Resp: 186402
Ion Ratio Lower Upper
41 100
76 1.0 23.8 35.6#
39 42.8 63.8 95.6#

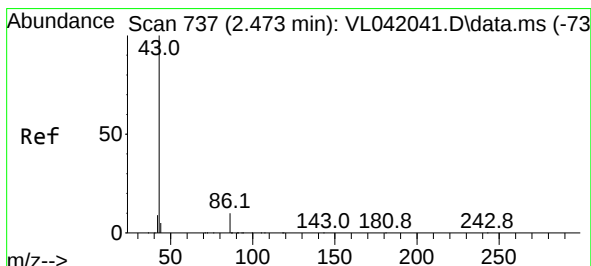
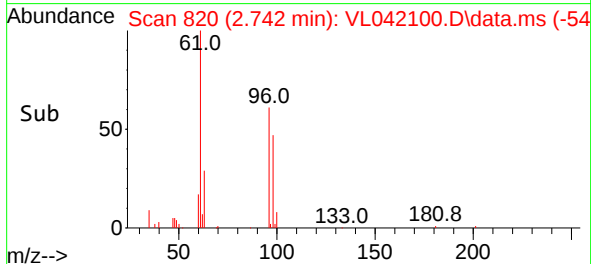
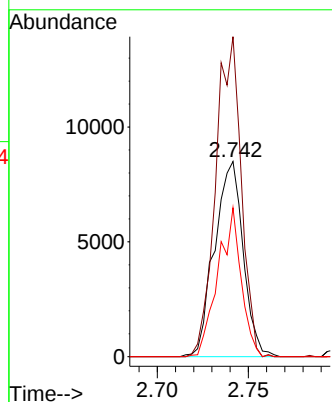
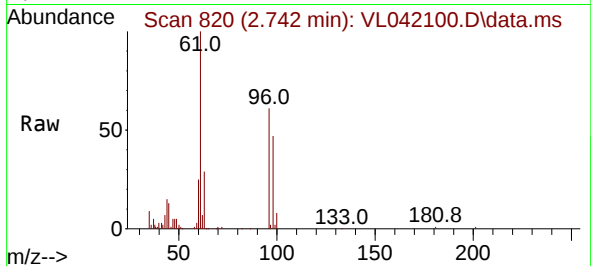




#22
trans-1,2-Dichloroethene
Concen: 1.289 ppbv
RT: 2.742 min Scan# 81
Delta R.T. 0.391 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

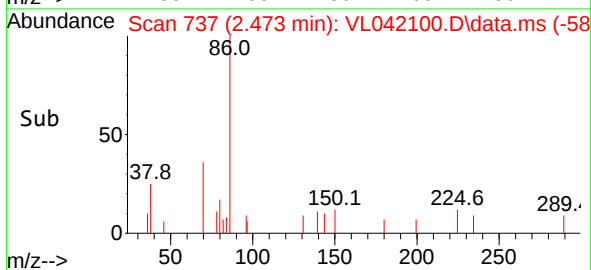
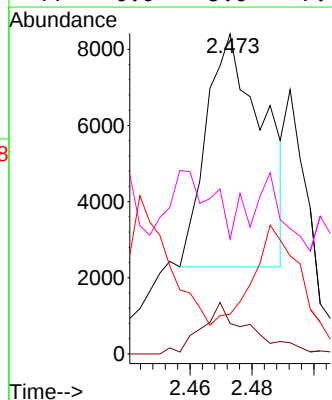
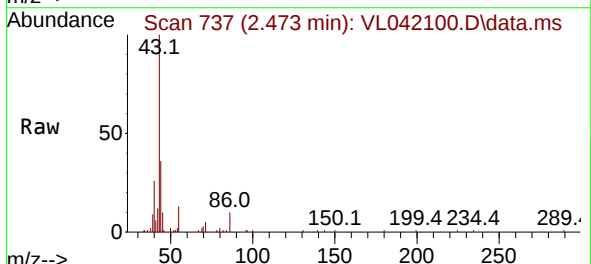
Instrument :
MSVOA_L
ClientSampleId :
IA2

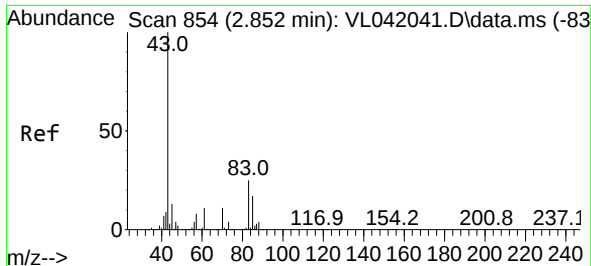
Tgt Ion: 96 Resp: 9290
Ion Ratio Lower Upper
96 100
61 158.8 136.6 205.0
98 73.9 51.8 77.6



#23
Vinyl Acetate
Concen: 0.756 ppbv
RT: 2.473 min Scan# 737
Delta R.T. -0.000 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 43 Resp: 7727
Ion Ratio Lower Upper
43 100
86 12.2 7.0 10.4#
42 0.0 7.6 11.4#
44 0.0 5.0 7.4#

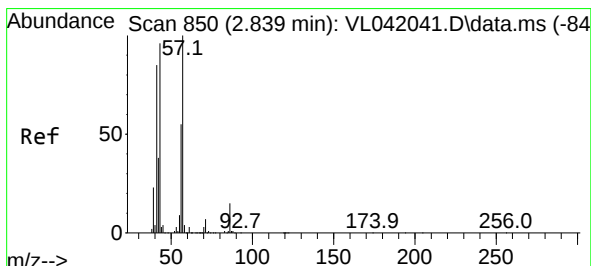
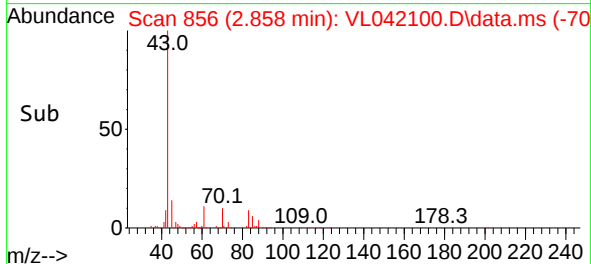
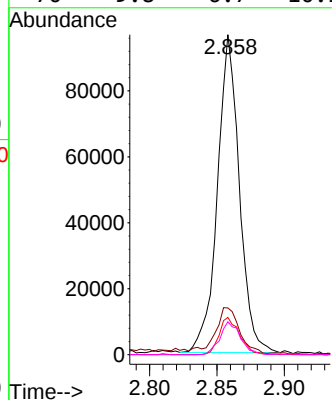
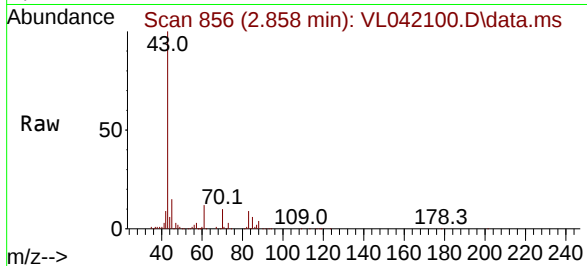




#25
Ethyl Acetate
Concen: 1.879 ppbv
RT: 2.858 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

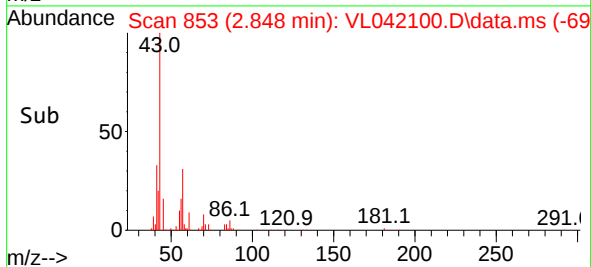
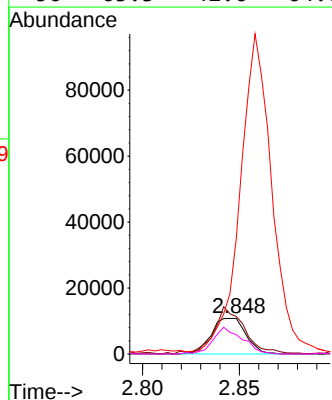
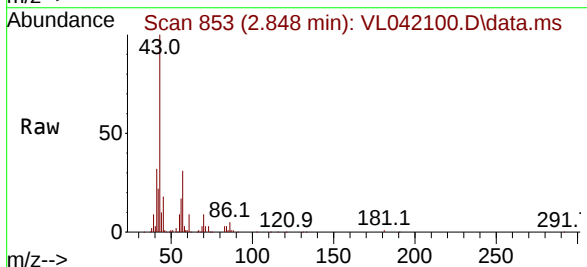
Instrument :
MSVOA_L
ClientSampleId :
IA2

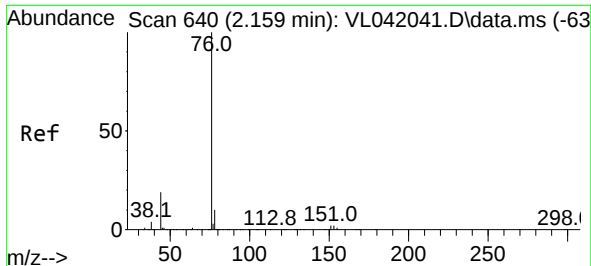
Tgt Ion: 43 Resp: 109349
Ion Ratio Lower Upper
43 100
45 19.0 8.1 12.1#
61 11.1 7.2 10.8#
70 9.8 6.7 10.1



#26
Hexane
Concen: 0.572 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.010 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 57 Resp: 13463
Ion Ratio Lower Upper
57 100
41 118.9 70.6 106.0#
43 832.3 199.4 299.0#
56 63.3 42.6 64.0

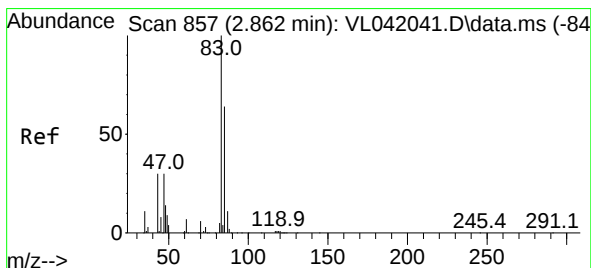
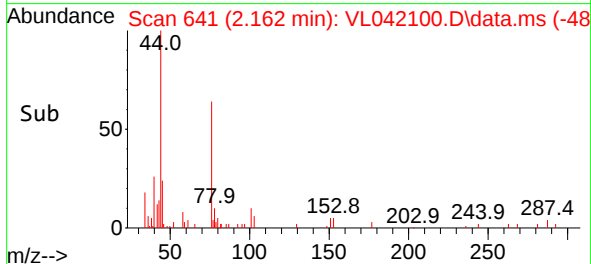
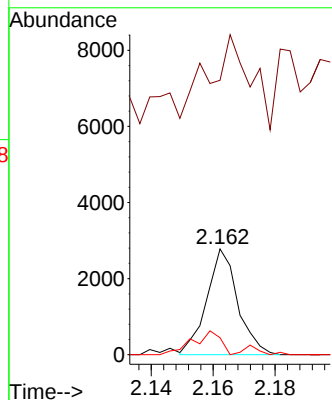
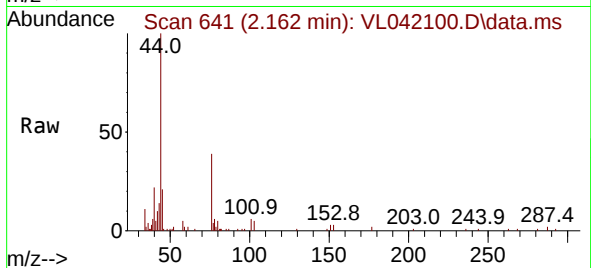




#27
Carbon Disulfide
Concen: 0.121 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

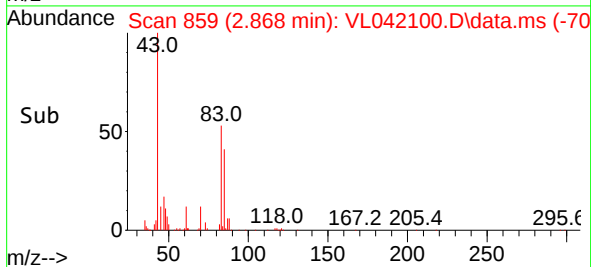
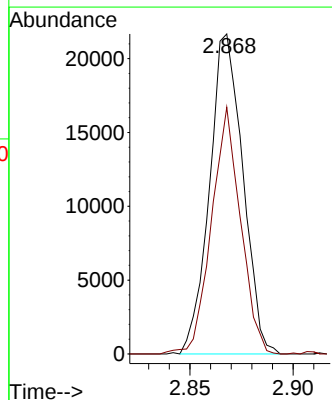
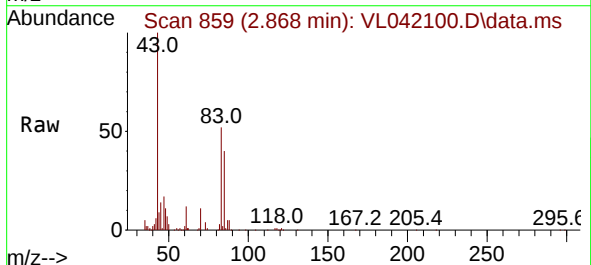
Instrument :
MSVOA_L
ClientSampleId :
IA2

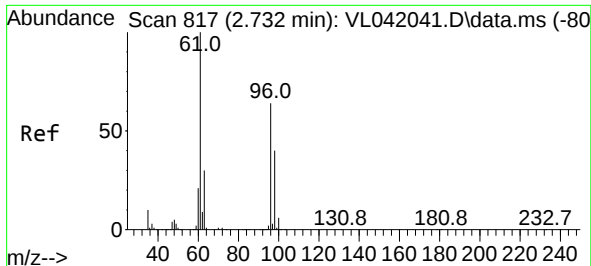
Tgt Ion: 76 Resp: 1935
Ion Ratio Lower Upper
76 100
44 0.0 16.2 24.2#
78 24.3 9.4 14.0#



#29
Chloroform
Concen: 0.769 ppbv
RT: 2.868 min Scan# 859
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 83 Resp: 24361
Ion Ratio Lower Upper
83 100
85 77.1 51.2 76.8#

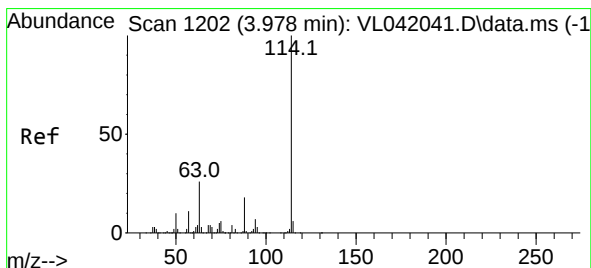
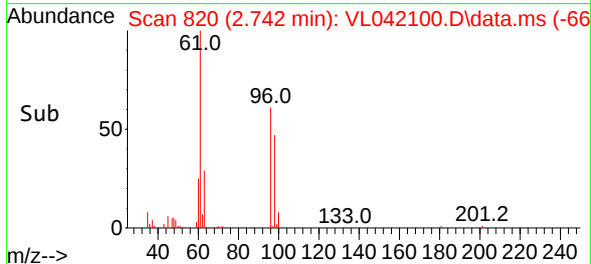
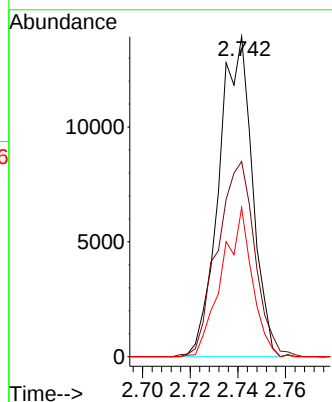
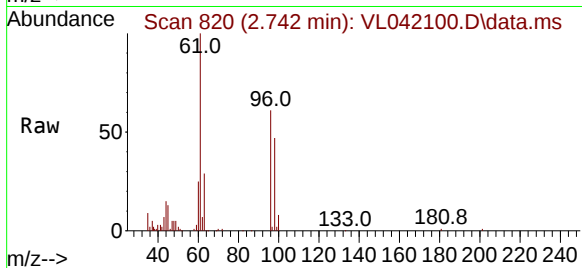




#31
 cis-1,2-Dichloroethene
 Concen: 0.607 ppbv
 RT: 2.742 min Scan# 817
 Delta R.T. 0.009 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

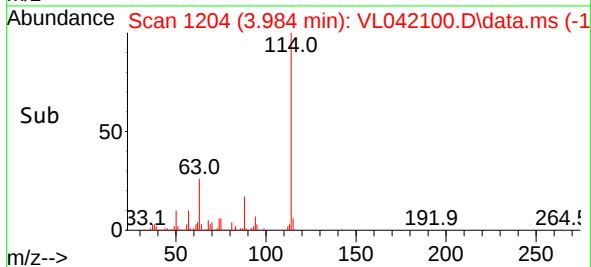
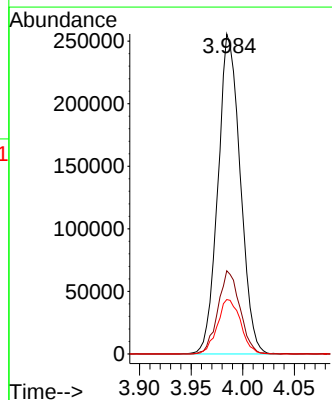
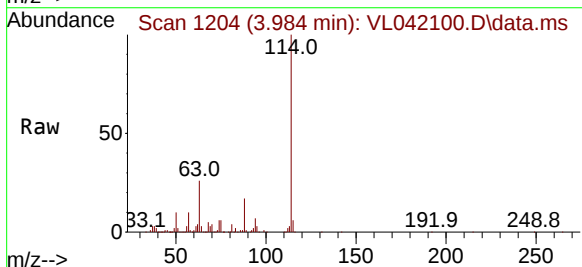
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

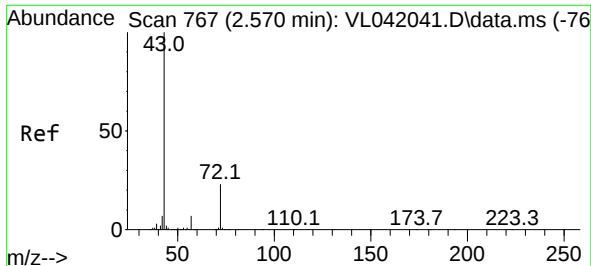
Tgt Ion: 61 Resp: 13521
 Ion Ratio Lower Upper
 61 100
 96 62.4 51.5 77.3
 98 46.6 32.0 48.0



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.984 min Scan# 1204
 Delta R.T. 0.006 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

Tgt Ion: 114 Resp: 383796
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.1 30.1
 88 17.7 14.3 21.5

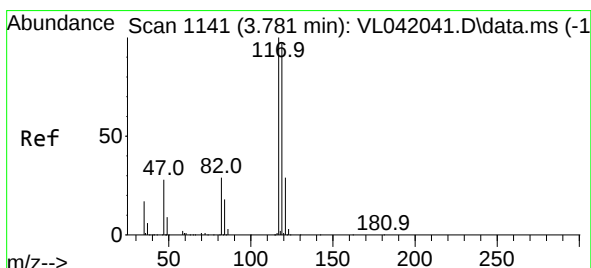
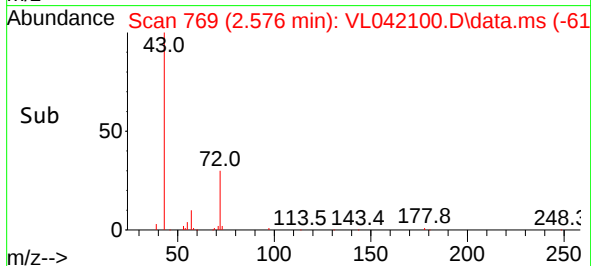
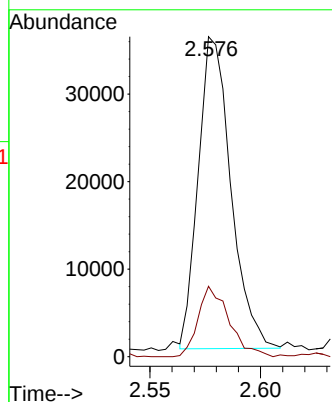
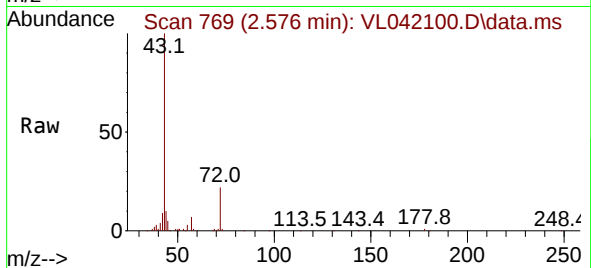




#34
2-Butanone
Concen: 1.227 ppbv
RT: 2.576 min Scan# 769
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

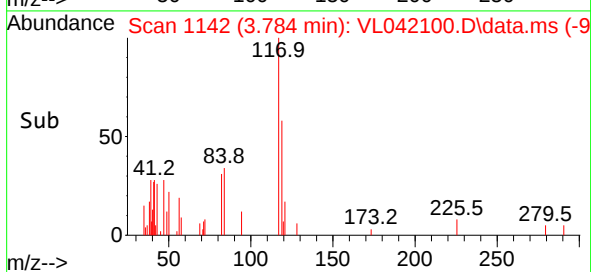
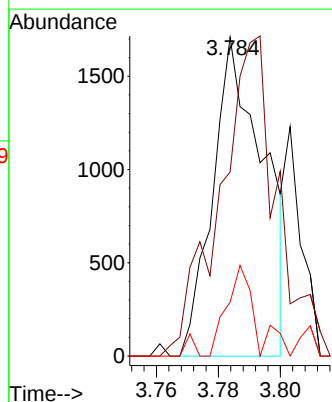
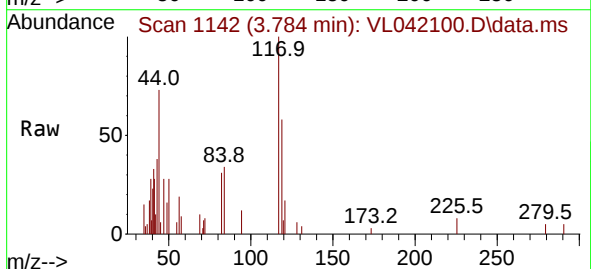
Instrument :
MSVOA_L
ClientSampleId :
IA2

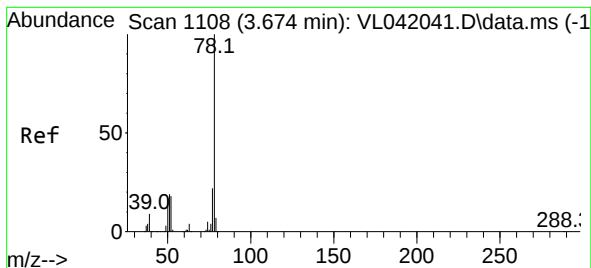
Tgt Ion: 43 Resp: 36674
Ion Ratio Lower Upper
43 100
72 22.5 18.5 27.7



#35
Carbon Tetrachloride
Concen: 0.073 ppbv
RT: 3.784 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 117 Resp: 1938
Ion Ratio Lower Upper
117 100
119 51.8 77.8 116.8#
121 16.9 23.4 35.0#





#36

Benzene

Concen: 0.242 ppbv

RT: 3.680 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_L

ClientSampleId :

IA2

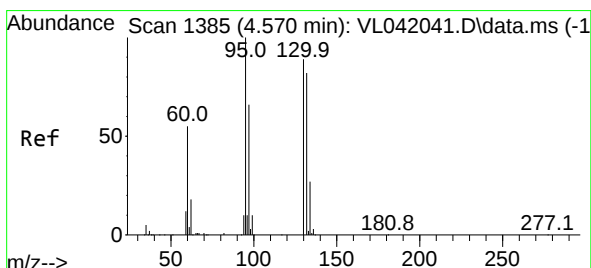
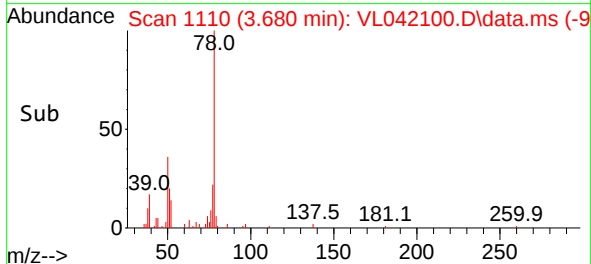
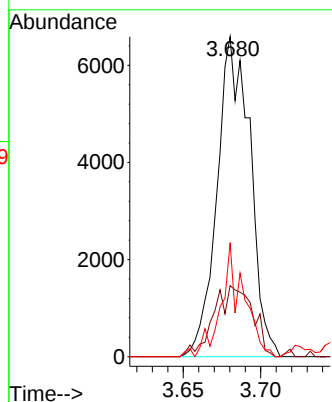
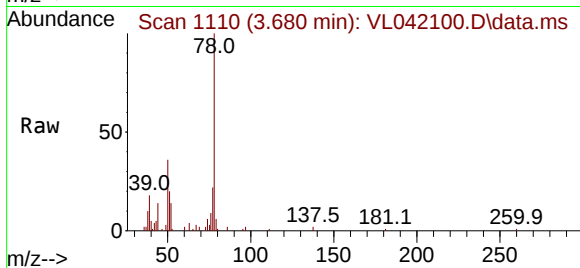
Tgt Ion: 78 Resp: 9735

Ion Ratio Lower Upper

78 100

77 22.2 17.7 26.5

50 35.6 13.9 20.9#



#38

Trichloroethene

Concen: 0.914 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.010 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Tgt Ion: 130 Resp: 14988

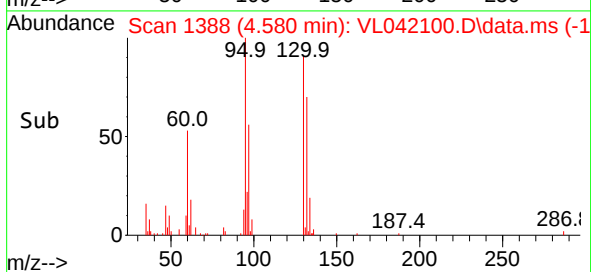
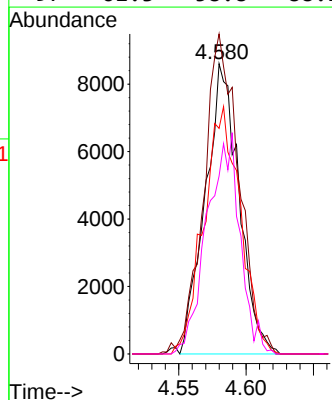
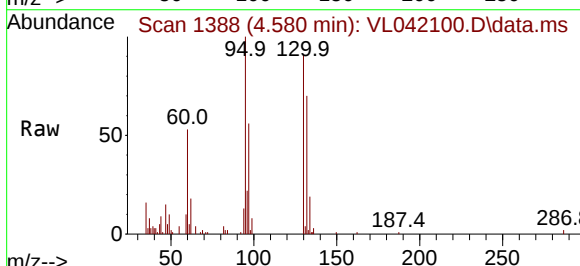
Ion Ratio Lower Upper

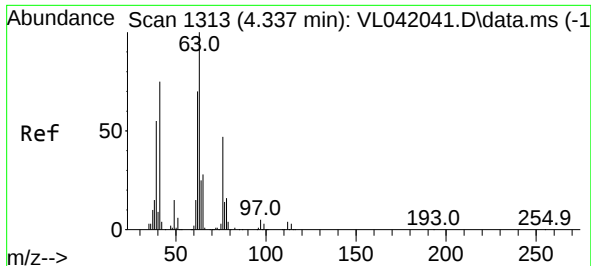
130 100

95 110.2 89.5 134.3

132 77.7 73.8 110.6

97 61.3 58.8 88.2





#39

1,2-Dichloropropane

Concen: 6.453 ppbv

RT: 3.984 min Scan# 11

Delta R.T. -0.353 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_L

ClientSampleId :

IA2

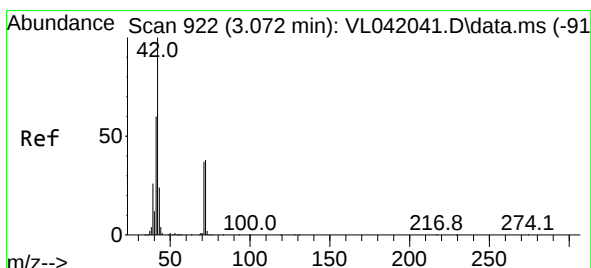
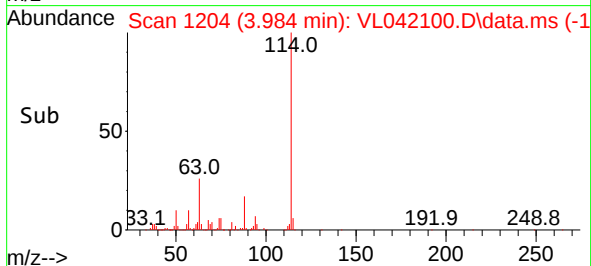
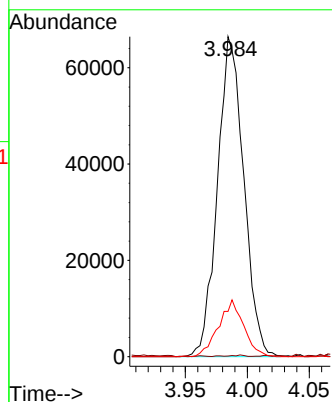
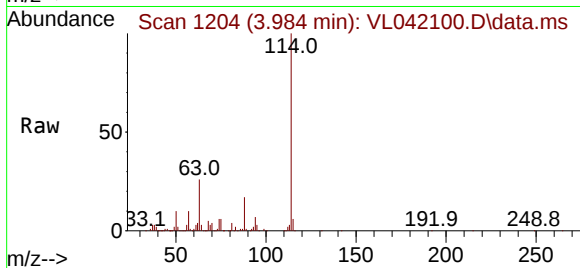
Tgt Ion: 63 Resp: 98401

Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 14.1 55.8 83.8#



#41

Tetrahydrofuran

Concen: 0.337 ppbv

RT: 3.081 min Scan# 925

Delta R.T. 0.009 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

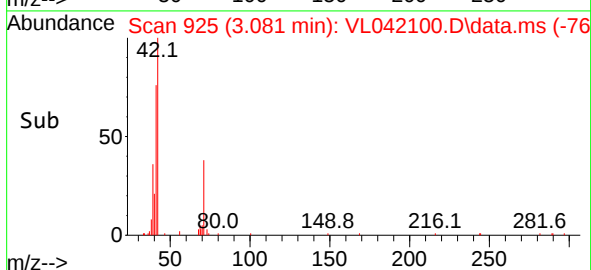
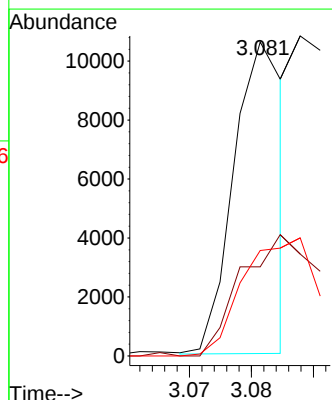
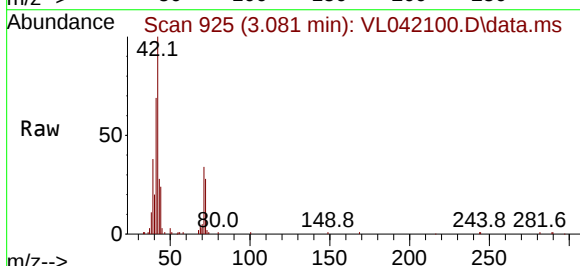
Tgt Ion: 42 Resp: 5950

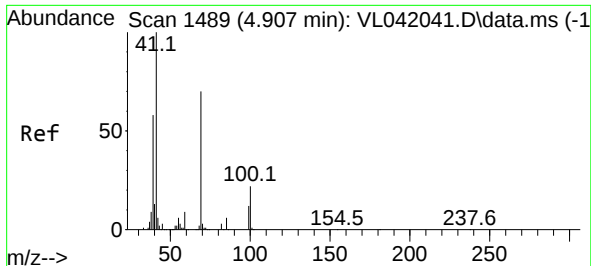
Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

71 0.0 28.2 42.4#

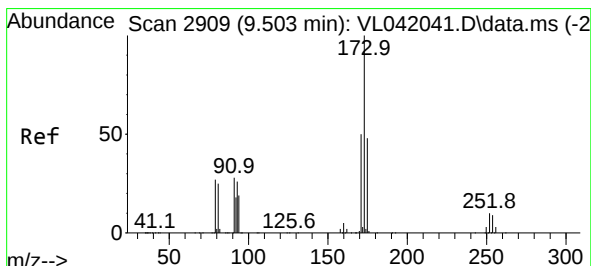
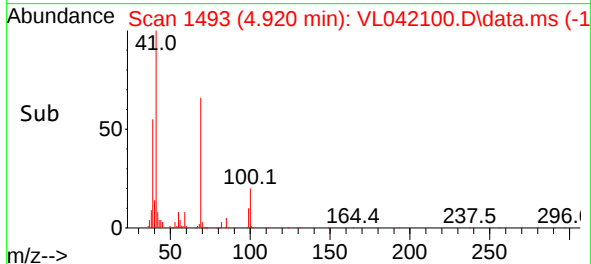
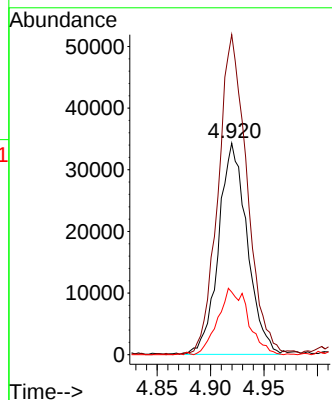
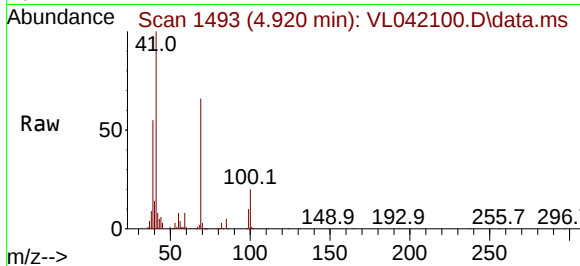




#43
Methyl Methacrylate
Concen: 4.066 ppbv
RT: 4.920 min Scan# 1489
Delta R.T. 0.013 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

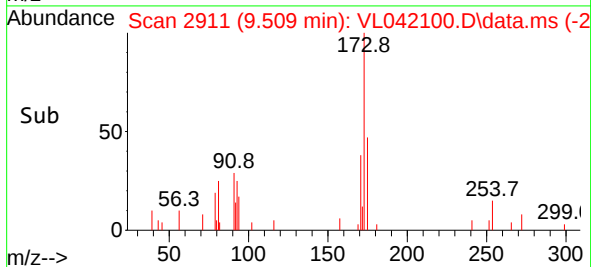
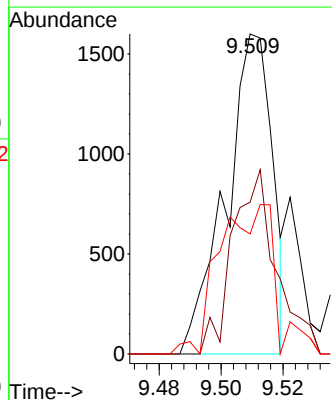
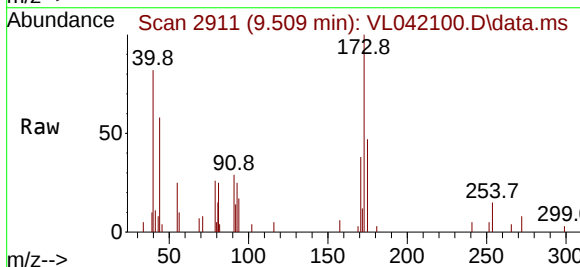
Instrument :
MSVOA_L
ClientSampleId :
IA2

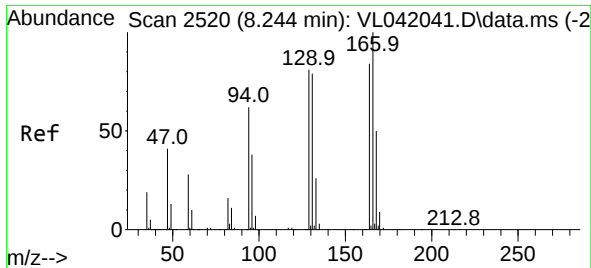
Tgt Ion: 69 Resp: 63798
Ion Ratio Lower Upper
69 100
41 154.1 118.2 177.4
100 33.5 27.0 40.4



#49
Bromoform
Concen: 0.079 ppbv
RT: 9.509 min Scan# 2911
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 173 Resp: 1670
Ion Ratio Lower Upper
173 100
175 53.9 38.3 57.5
171 56.5 40.2 60.2

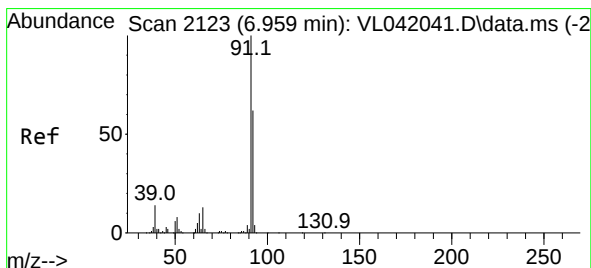
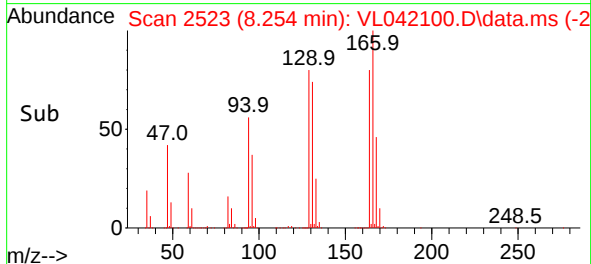
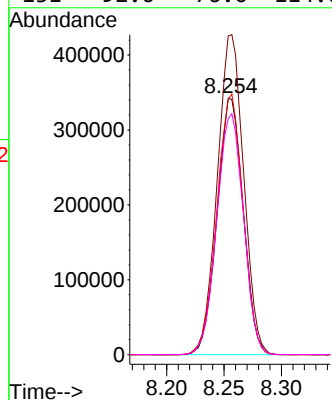
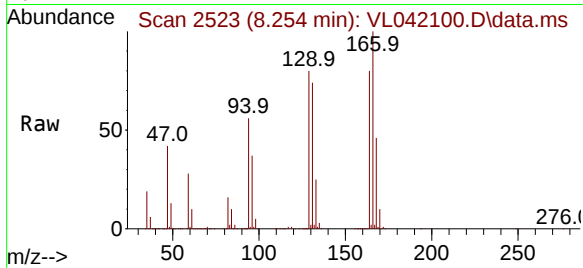




#52
Tetrachloroethene
Concen: 39.439 ppbv
RT: 8.254 min Scan# 2128
Delta R.T. 0.009 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

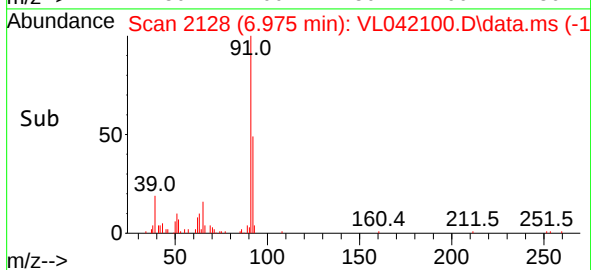
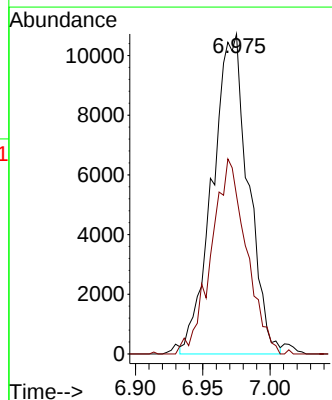
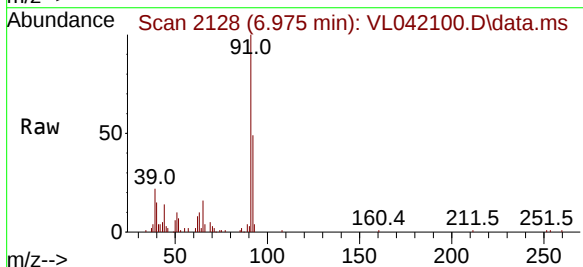
Instrument :
MSVOA_L
ClientSampleId :
IA2

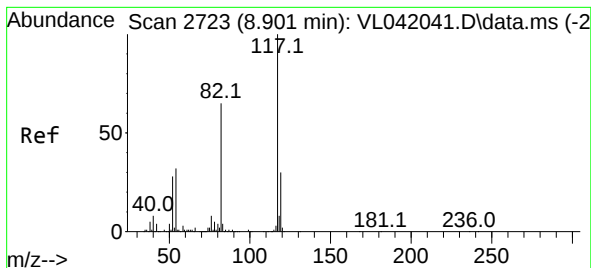
Tgt Ion:164 Resp: 542455
Ion Ratio Lower Upper
164 100
166 124.2 95.7 143.5
129 99.5 77.1 115.7
131 92.0 76.0 114.0



#53
Toluene
Concen: 0.441 ppbv
RT: 6.975 min Scan# 2128
Delta R.T. 0.016 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 91 Resp: 19809
Ion Ratio Lower Upper
91 100
92 59.9 49.0 73.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.907 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_L

ClientSampleId :

IA2

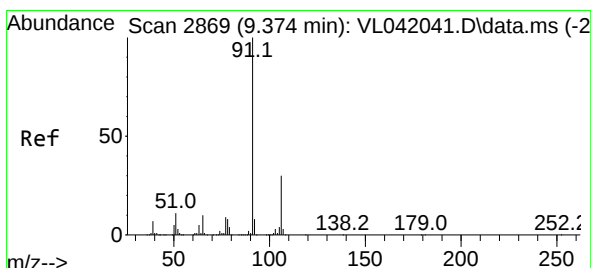
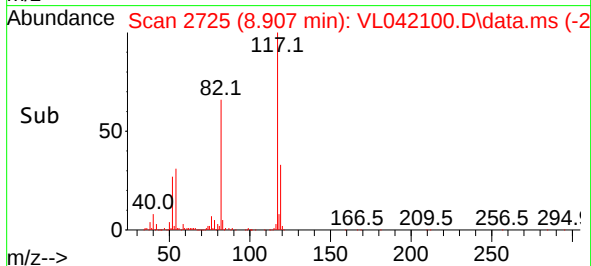
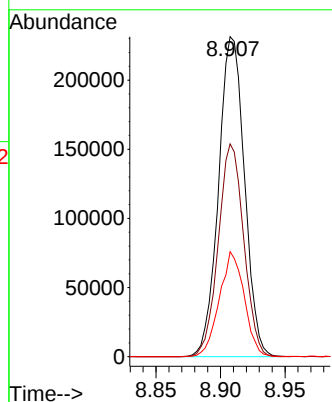
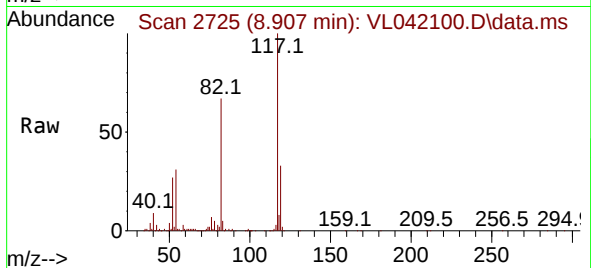
Tgt Ion:117 Resp: 323657

Ion Ratio Lower Upper

117 100

82 65.3 55.0 82.6

119 31.4 25.9 38.9



#58

Ethyl Benzene

Concen: 0.098 ppbv

RT: 9.555 min Scan# 2925

Delta R.T. 0.181 min

Lab File: VL042100.D

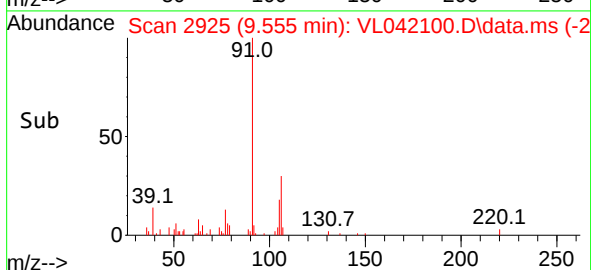
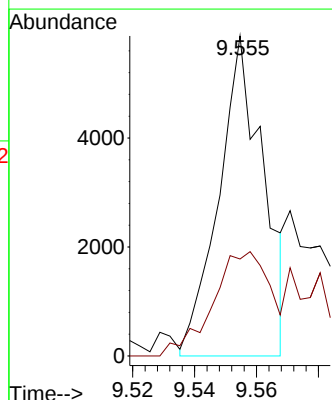
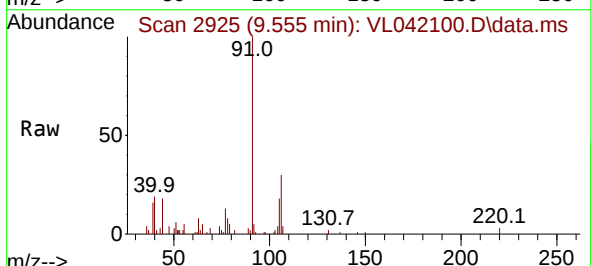
Acq: 05 Mar 2025 12:45

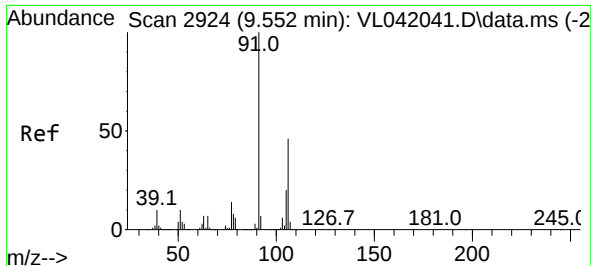
Tgt Ion: 91 Resp: 5848

Ion Ratio Lower Upper

91 100

106 26.4 24.2 36.2





#59

m/p-Xylene

Concen: 0.123 ppbv

RT: 9.555 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_1

ClientSampleId :

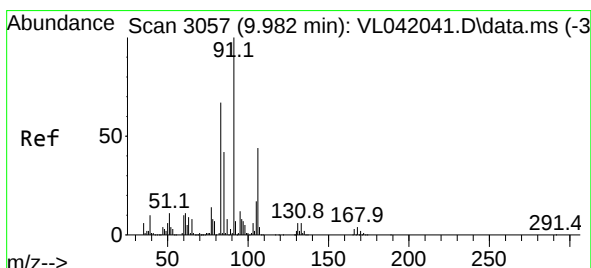
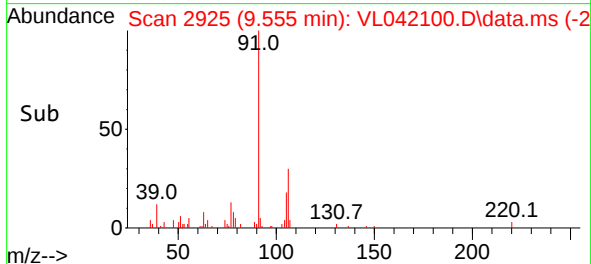
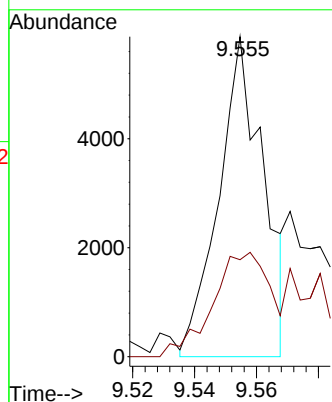
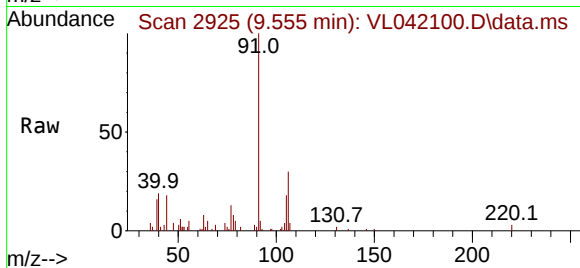
IA2

Tgt Ion: 91 Resp: 5848

Ion Ratio Lower Upper

91 100

106 64.5 0.0 0.0#



#60

o-Xylene

Concen: 0.086 ppbv

RT: 9.988 min Scan# 3059

Delta R.T. 0.006 min

Lab File: VL042100.D

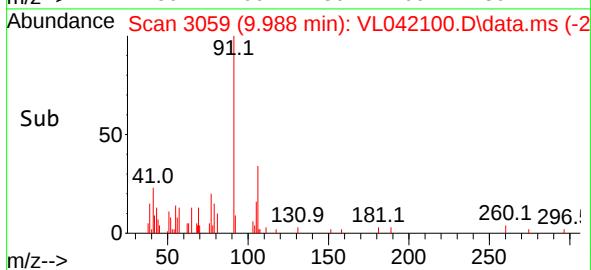
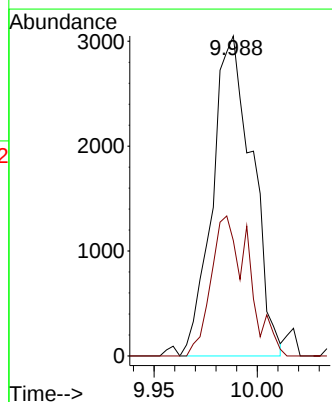
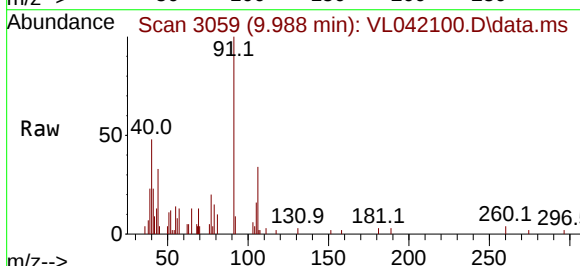
Acq: 05 Mar 2025 12:45

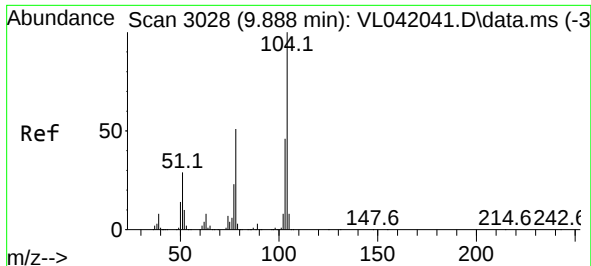
Tgt Ion: 91 Resp: 4084

Ion Ratio Lower Upper

91 100

106 41.5 22.3 66.8

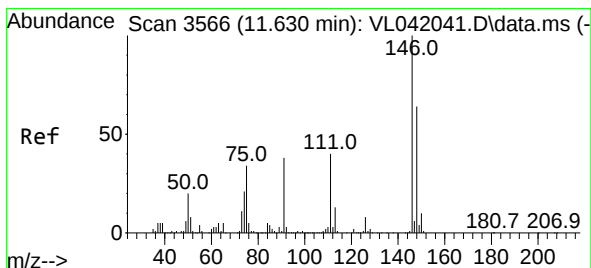
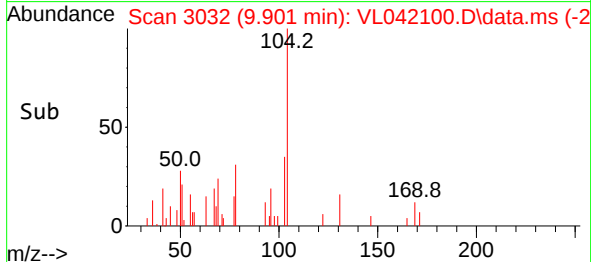
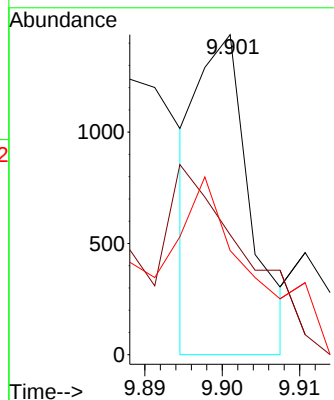
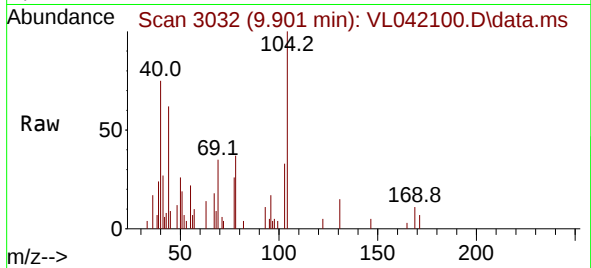




#61
Styrene
Concen: 0.030 ppbv
RT: 9.901 min Scan# 3028
Delta R.T. 0.013 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

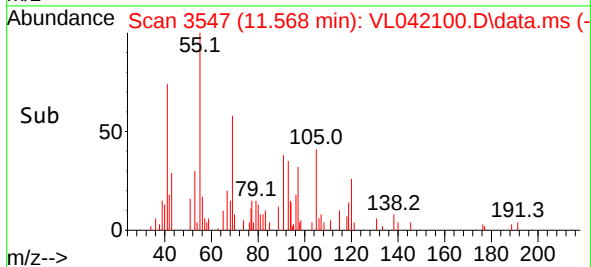
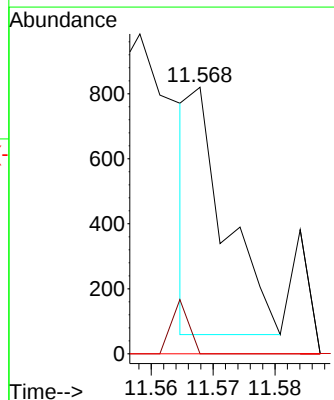
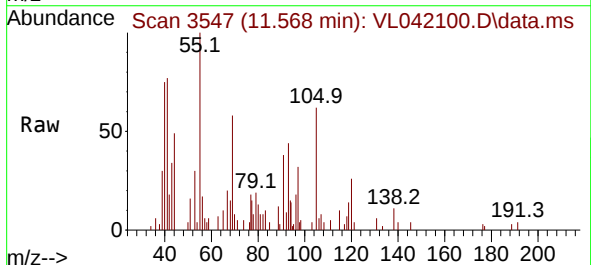
Instrument :
MSVOA_L
ClientSampleId :
IA2

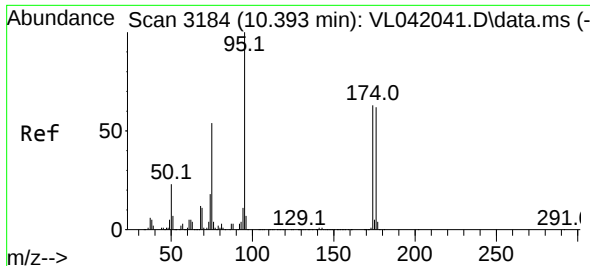
Tgt Ion:104 Resp: 677
Ion Ratio Lower Upper
104 100
78 132.2 41.0 61.4#
103 118.6 37.0 55.6#



#66
Benzyl Chloride
Concen: 0.059 ppbv
RT: 11.568 min Scan# 3547
Delta R.T. -0.062 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 91 Resp: 295
Ion Ratio Lower Upper
91 100
126 17.6 14.5 21.7
128 0.0 5.4 8.2#

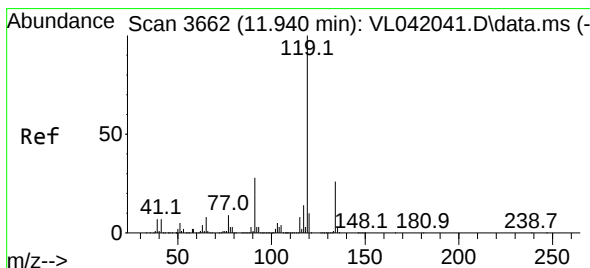
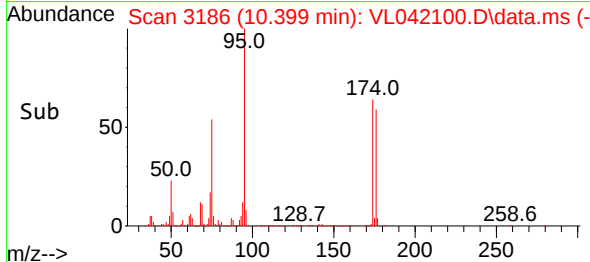
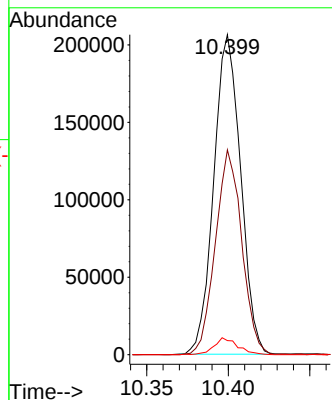
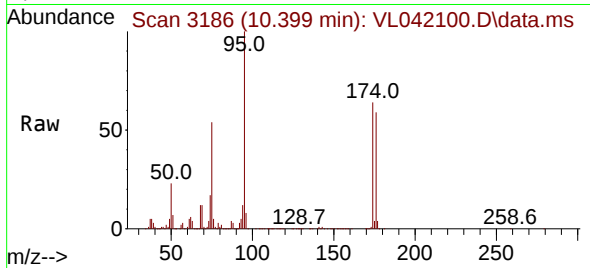




#68
1-Bromo-4-Fluorobenzene
Concen: 9.487 ppbv
RT: 10.399 min Scan# 3184
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

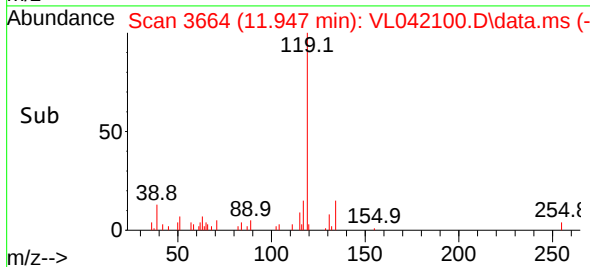
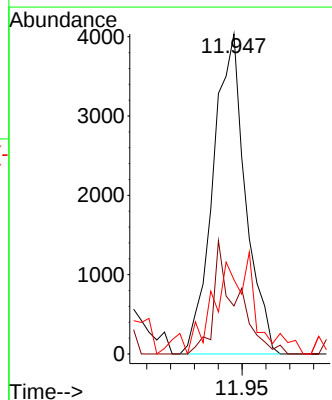
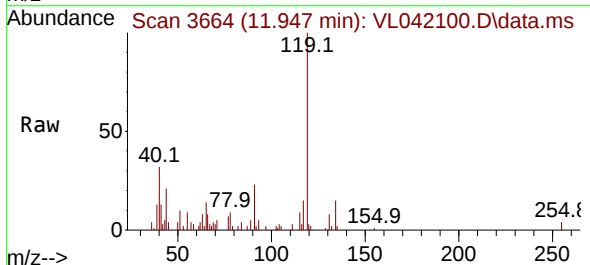
Instrument :
MSVOA_L
ClientSampleId :
IA2

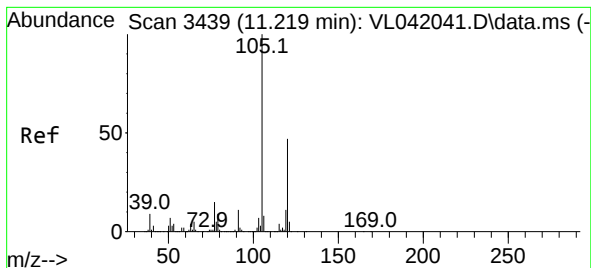
Tgt Ion: 95 Resp: 236227
Ion Ratio Lower Upper
95 100
174 63.2 51.8 77.6
175 4.7 3.9 5.9



#69
p-Isopropyltoluene
Concen: 0.052 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion: 119 Resp: 3819
Ion Ratio Lower Upper
119 100
134 25.5 20.9 31.3
91 42.5 23.1 34.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.035 ppbv

RT: 11.225 min Scan# 3439

Delta R.T. 0.006 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Instrument :

MSVOA_L

ClientSampleId :

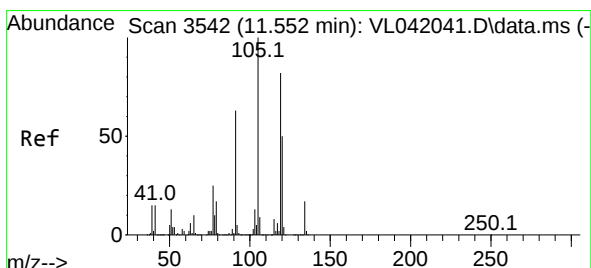
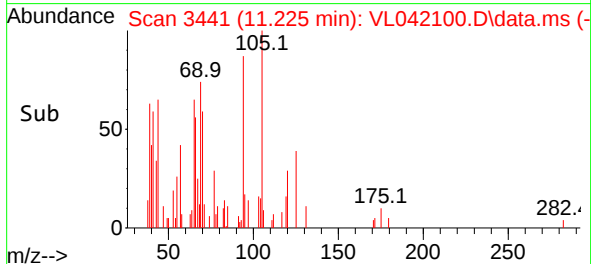
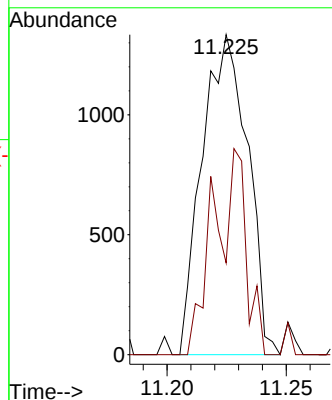
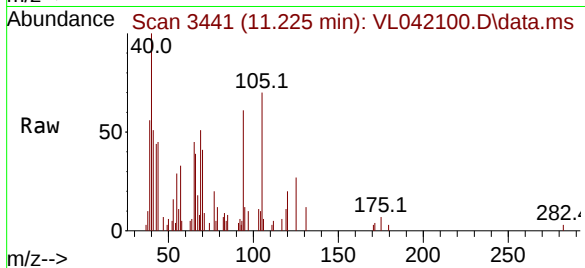
IA2

Tgt Ion:105 Resp: 1774

Ion Ratio Lower Upper

105 100

120 28.7 37.4 56.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.105 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL042100.D

Acq: 05 Mar 2025 12:45

Tgt Ion:105 Resp: 5959

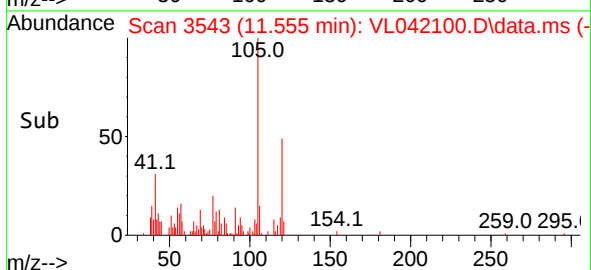
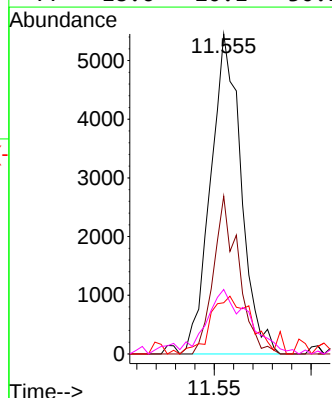
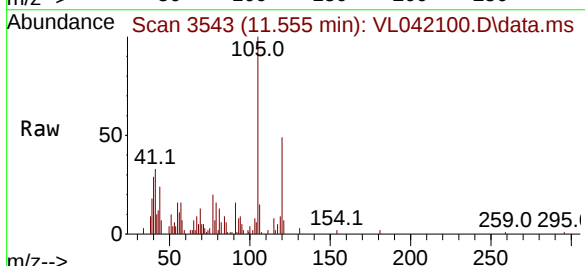
Ion Ratio Lower Upper

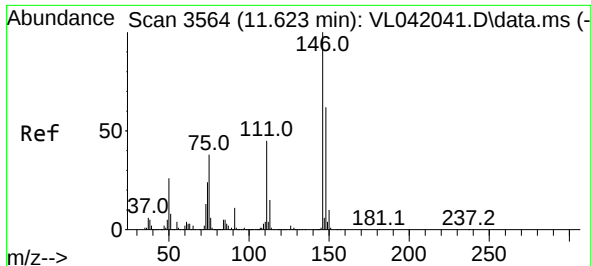
105 100

120 49.3 40.2 60.2

91 16.0 51.4 77.2#

77 18.6 20.1 30.1#

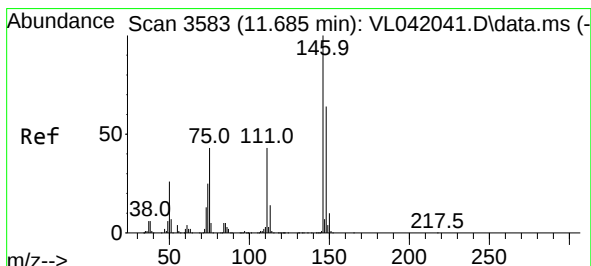
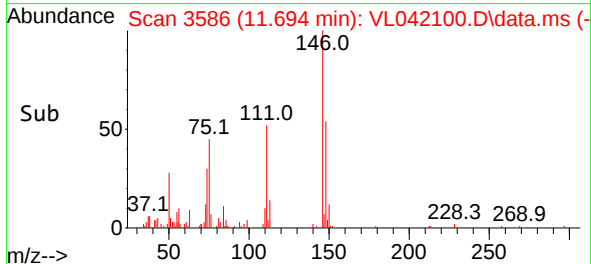
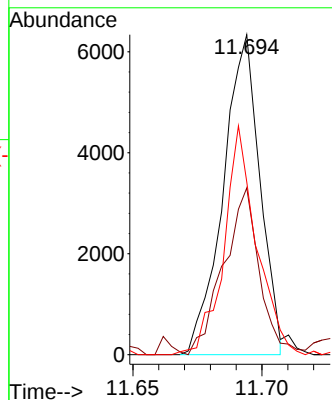
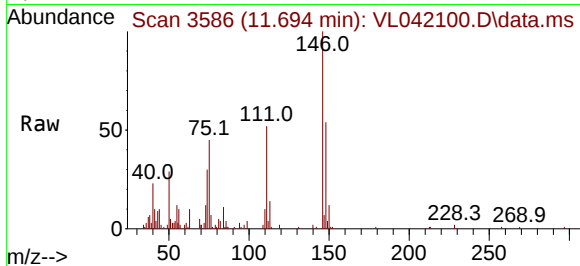




#75
1,3-Dichlorobenzene
Concen: 0.192 ppbv
RT: 11.694 min Scan# 3586
Delta R.T. 0.071 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

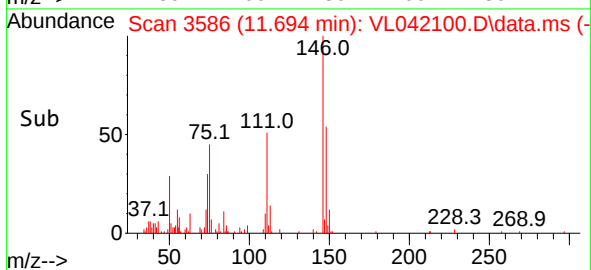
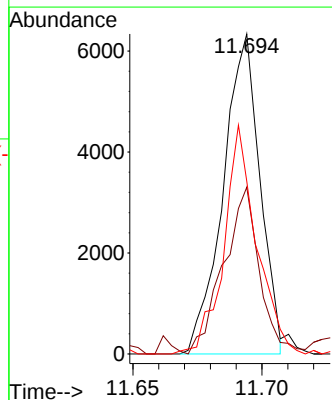
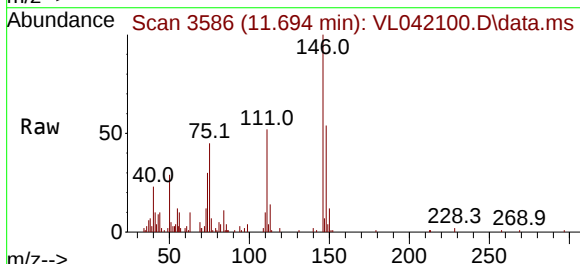
Instrument :
MSVOA_L
ClientSampleId :
IA2

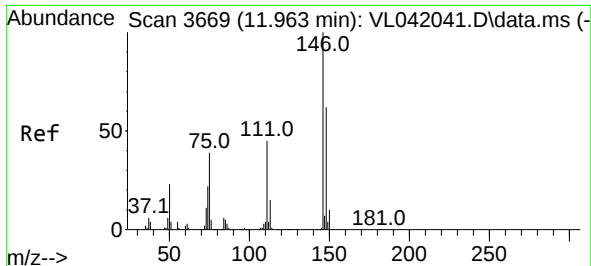
Tgt Ion:146 Resp: 6297
Ion Ratio Lower Upper
146 100
111 59.4 22.4 67.2
148 63.6 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 0.194 ppbv
RT: 11.694 min Scan# 3586
Delta R.T. 0.010 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion:146 Resp: 6297
Ion Ratio Lower Upper
146 100
111 56.9 21.5 64.5
148 64.0 31.6 95.0

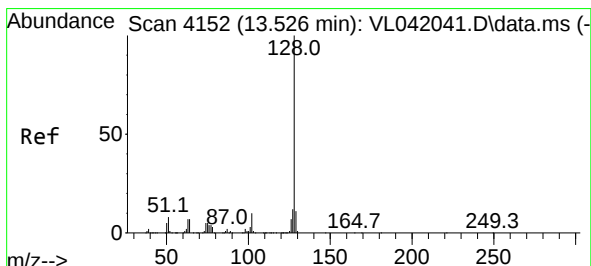
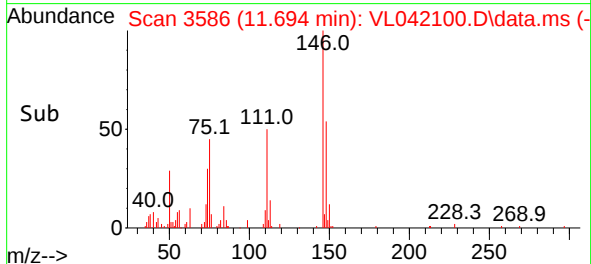
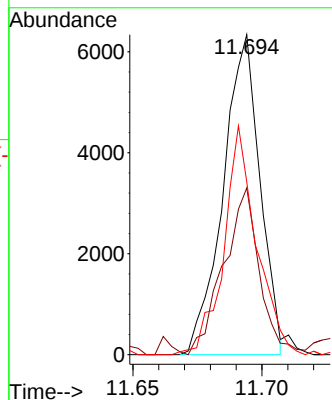
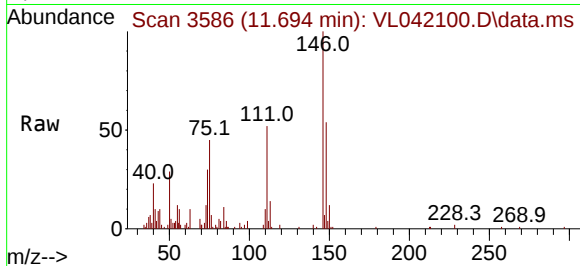




#77
1,2-Dichlorobenzene
Concen: 0.198 ppbv
RT: 11.694 min Scan# 31
Delta R.T. -0.269 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

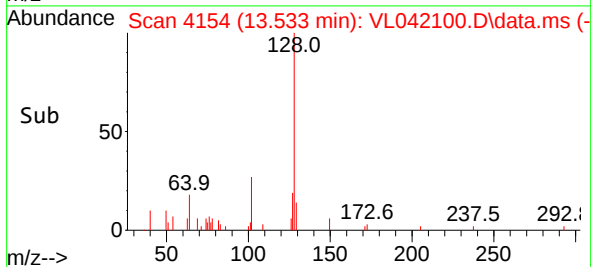
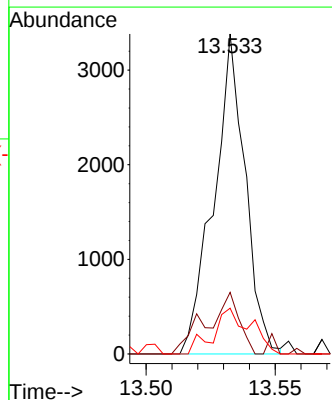
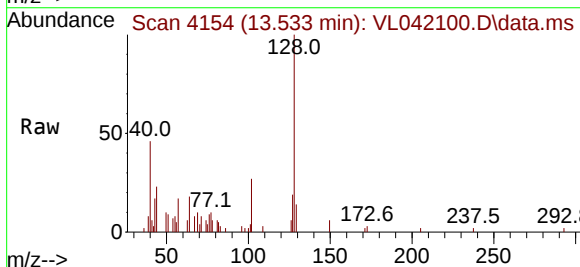
Instrument :
MSVOA_L
ClientSampleId :
IA2

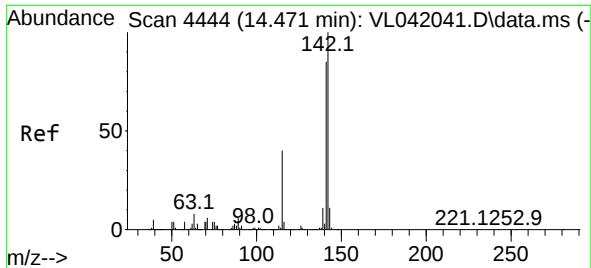
Tgt Ion:146 Resp: 6297
Ion Ratio Lower Upper
146 100
111 59.4 23.2 69.6
148 63.6 31.4 94.2



#79
Naphthalene
Concen: 0.073 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.006 min
Lab File: VL042100.D
Acq: 05 Mar 2025 12:45

Tgt Ion:128 Resp: 2864
Ion Ratio Lower Upper
128 100
127 19.2 9.8 14.6#
129 14.3 8.6 12.8#





#80
 Naphthalene, 2-methyl-
 Concen: 0.069 ppbv
 RT: 14.471 min Scan# 44
 Delta R.T. -0.000 min
 Lab File: VL042100.D
 Acq: 05 Mar 2025 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	60.5	65.8	98.6#
115	34.2	29.5	44.3

