

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042403.D
 Acq On : 21 Apr 2025 14:13
 Operator : SY/MD
 Sample : Q1844-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Quant Time: Apr 22 02:54:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	132791	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	375368	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	317335	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	280008	10.738	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.496	85	9172	0.391	ppbv	98
3) Chlorodifluoromethane	1.463	51	2282313	102.157	ppbv #	56
4) Chloromethane	1.528	50	4747	0.511	ppbv	97
6) Bromomethane	1.661	94	240	0.055	ppbv #	48
7) Chloroethane	1.463	64	295365	80.810	ppbv	98
9) Propene	1.557	41	1163775	114.383	ppbv	96
10) Heptane	4.969	43	2343	0.082	ppbv #	1
11) Trichlorofluoromethane	1.871	101	5354	0.240	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.133	101	1221	0.067	ppbv	97
13) Ethanol	1.752	45	6779986	4192.544	ppbv	84
15) Acetone	1.836	43	495980	22.816	ppbv #	87
16) 1,3-Butadiene	1.616	39	1290886	124.157	ppbv #	12
17) tert-Butyl alcohol	2.046	59	138695	5.148	ppbv	100
19) Isopropyl Alcohol	1.894	45	1848877	153.105	ppbv #	42
20) Methylene Chloride	2.059	84	5286	0.621	ppbv #	95
21) Allyl Chloride	2.046	41	32194	2.145	ppbv #	21
23) Vinyl Acetate	2.470	43	27801	3.160	ppbv #	61
25) Ethyl Acetate	2.836	43	41284	0.770	ppbv #	94
26) Hexane	2.820	57	15516	0.715	ppbv	96
30) Cyclohexane	3.852	84	2516	0.143	ppbv #	40
31) cis-1,2-Dichloroethene	2.833	61	1918	0.093	ppbv #	25
34) 2-Butanone	2.557	43	19516	0.657	ppbv	96
35) Carbon Tetrachloride	3.755	117	1230	0.036	ppbv #	92
36) Benzene	3.651	78	516496	12.757	ppbv	98
37) 1,2-Dichloroethane	3.215	62	1798	0.074	ppbv #	93
39) 1,2-Dichloropropane	3.949	63	102958	6.824	ppbv #	25
41) Tetrahydrofuran	3.069	42	1597	0.092	ppbv	95
44) 2,2,4-Trimethylpentane	4.635	57	24746	0.354	ppbv #	82
52) Tetrachloroethene	8.215	164	304528	19.460	ppbv	94
53) Toluene	6.920	91	97818	2.013	ppbv	98
58) Ethyl Benzene	9.351	91	18455	0.294	ppbv	98
59) m/p-Xylene	9.542	91	11204	0.221	ppbv #	32
60) o-Xylene	9.956	91	16241	0.318	ppbv	97
61) Styrene	9.863	104	9449	0.388	ppbv	98
66) Benzyl Chloride	11.542	91	923	0.122	ppbv #	70
67) sec-Butylbenzene	12.038	105	9384	0.098	ppbv	98
69) p-Isopropyltoluene	11.921	119	8144	0.098	ppbv #	86
70) n-Butylbenzene	12.342	91	4546	0.052	ppbv #	75
71) 2-Chlorotoluene	10.850	91	9483	0.161	ppbv #	47
72) 4-Ethyltoluene	11.122	105	4193	0.067	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.203	105	3450	0.063	ppbv	93
74) 1,2,4-Trimethylbenzene	11.533	105	14817	0.230	ppbv #	66
77) 1,2-Dichlorobenzene	11.669	146	2482	0.076	ppbv #	64

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042403.D
Acq On : 21 Apr 2025 14:13
Operator : SY/MD
Sample : Q1844-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

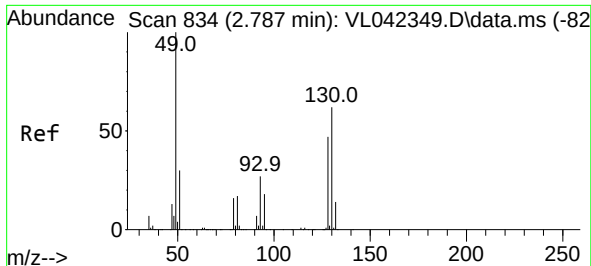
Quant Time: Apr 22 02:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Hexachloro-1,3-Butadiene	13.384	225	8087	0.246	ppbv #	18
79) Naphthalene	13.510	128	39534	0.514	ppbv	97
81) 1,2,4-Trichlorobenzene	13.384	180	19254	0.583	ppbv #	18

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

Quant Time: Apr 22 02:54:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

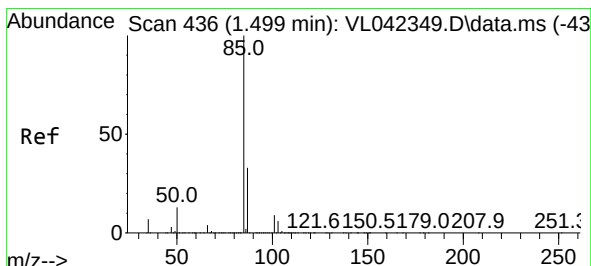
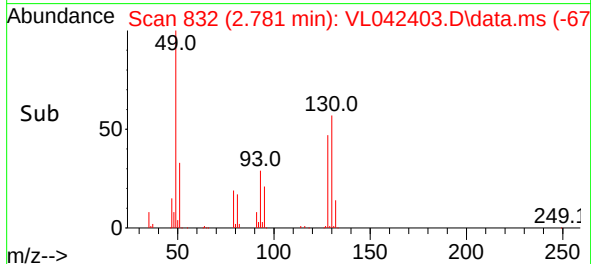
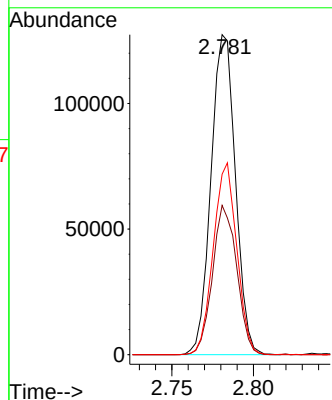
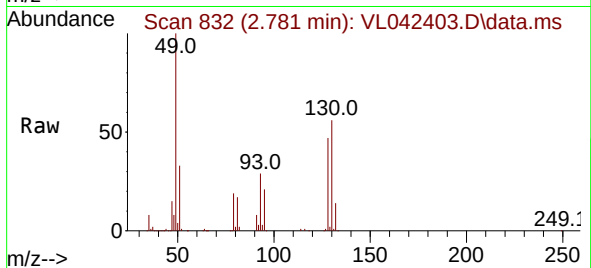




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

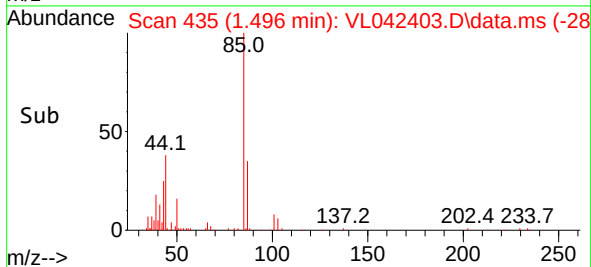
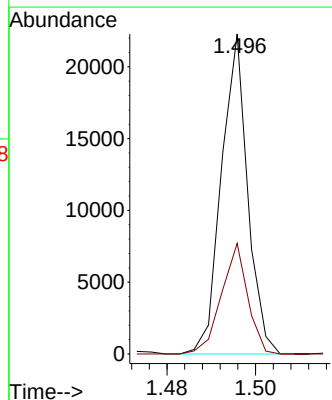
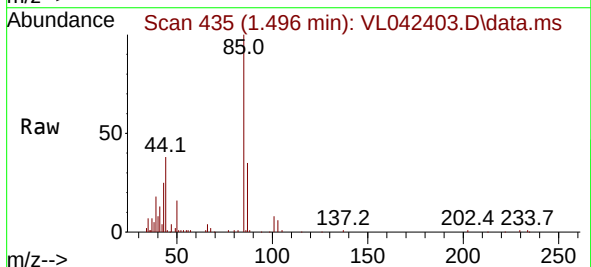
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

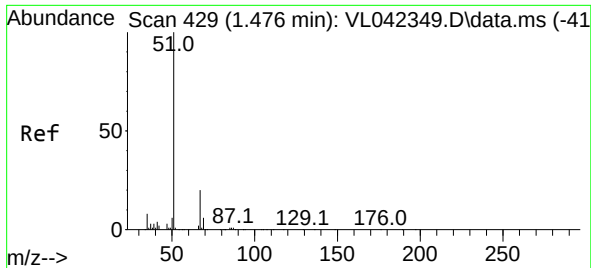
Tgt Ion: 49 Resp: 132791
Ion Ratio Lower Upper
49 100
128 46.3 22.8 68.4
130 57.7 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.391 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 85 Resp: 9172
Ion Ratio Lower Upper
85 100
87 34.6 26.6 39.8

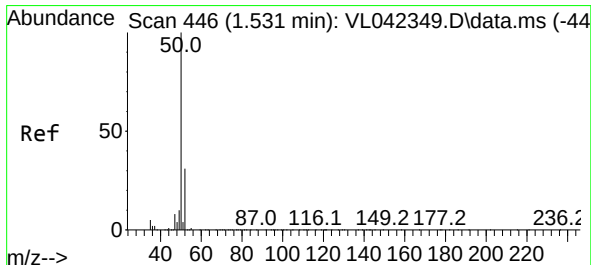
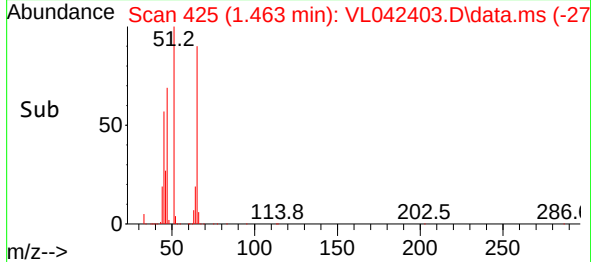
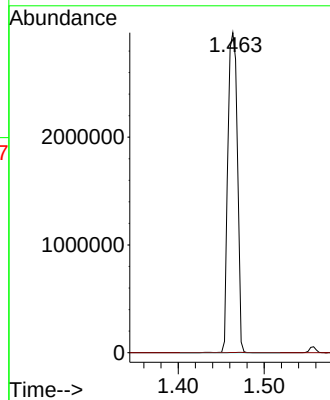
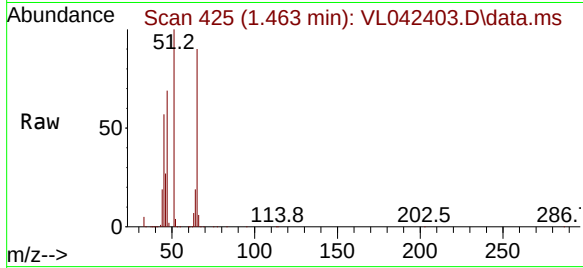




#3
Chlorodifluoromethane
Concen: 102.157 ppbv
RT: 1.463 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

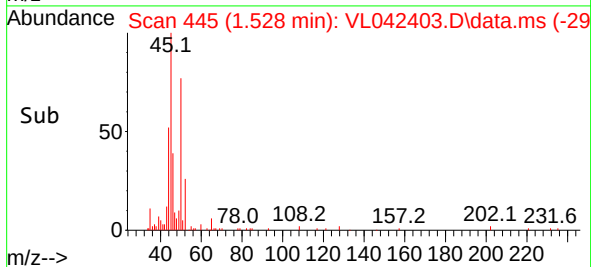
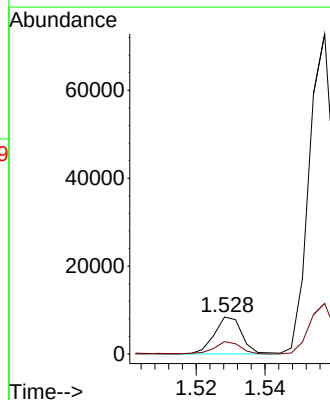
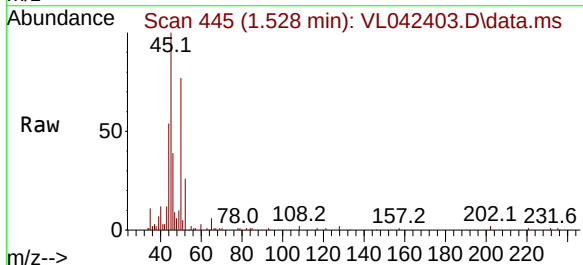
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

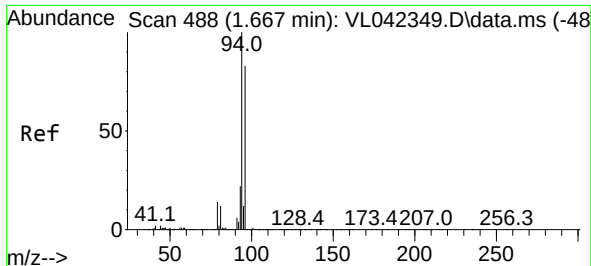
Tgt Ion: 51 Resp: 2282313
Ion Ratio Lower Upper
51 100
67 0.1 16.2 24.4#



#4
Chloromethane
Concen: 0.511 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 50 Resp: 4747
Ion Ratio Lower Upper
50 100
52 32.5 24.7 37.1

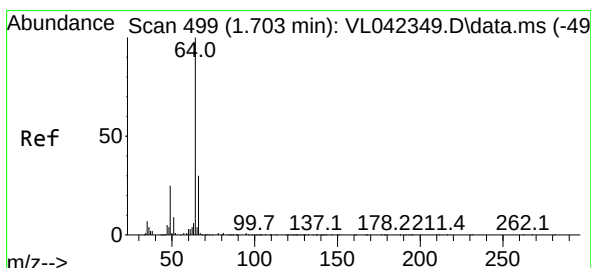
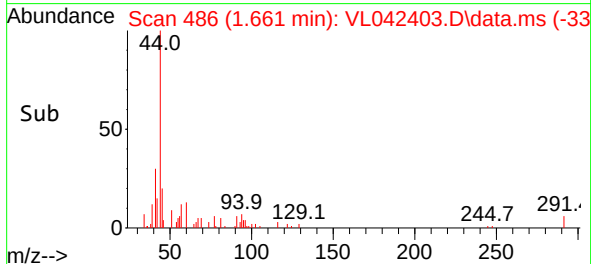
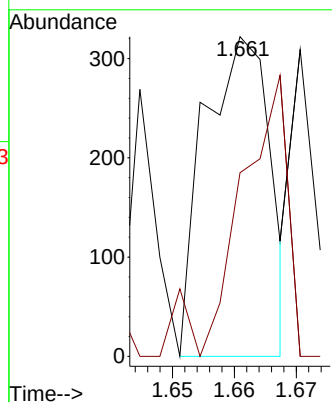
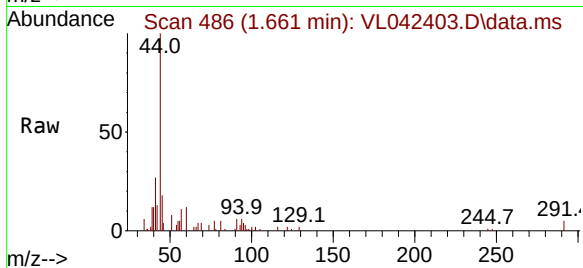




#6
Bromomethane
Concen: 0.055 ppbv
RT: 1.661 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

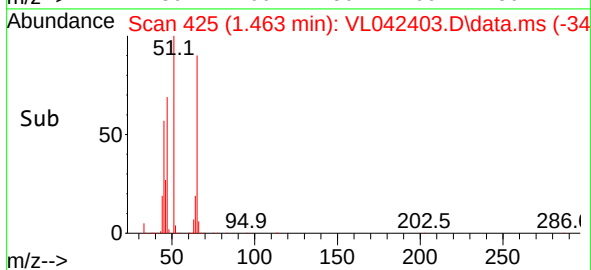
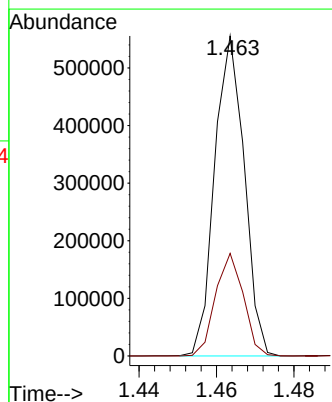
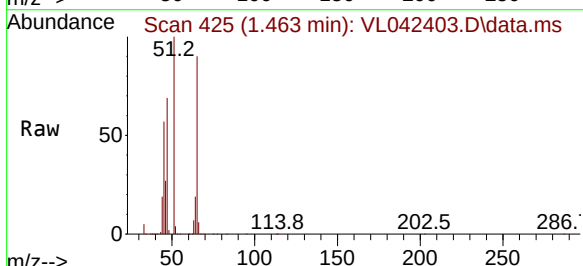
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

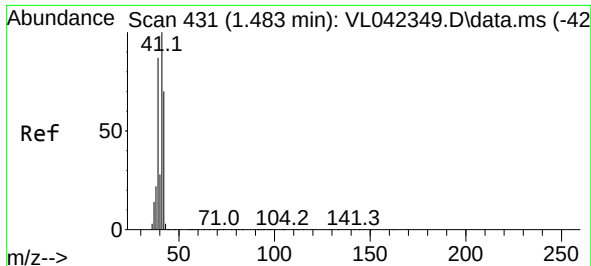
Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 36.3 66.2 99.2#



#7
Chloroethane
Concen: 80.810 ppbv
RT: 1.463 min Scan# 425
Delta R.T. -0.239 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 64 Resp: 295365
Ion Ratio Lower Upper
64 100
66 32.1 24.6 37.0

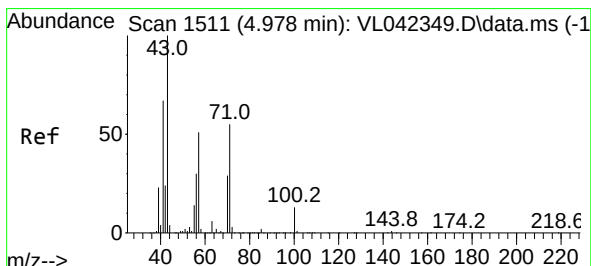
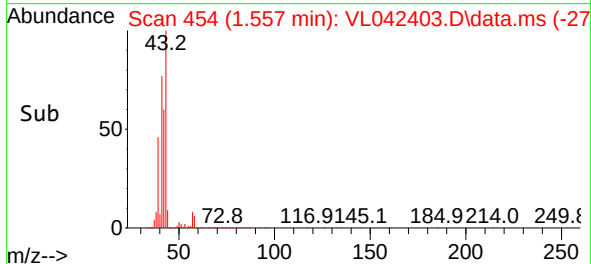
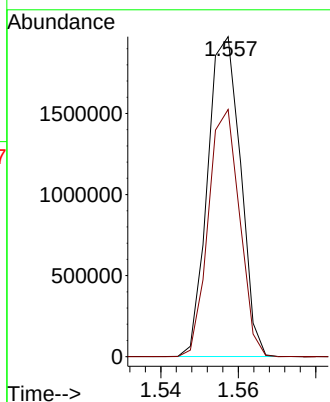
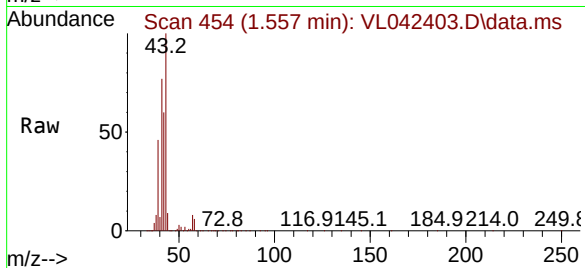




#9
Propene
Concen: 114.383 ppbv
RT: 1.557 min Scan# 41
Delta R.T. 0.075 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

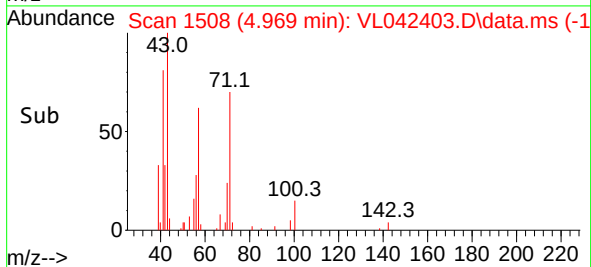
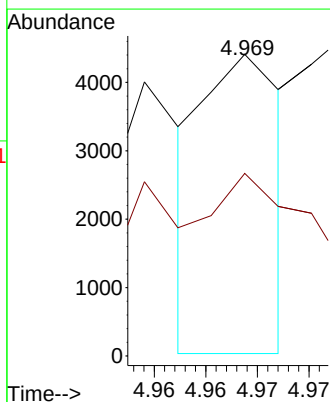
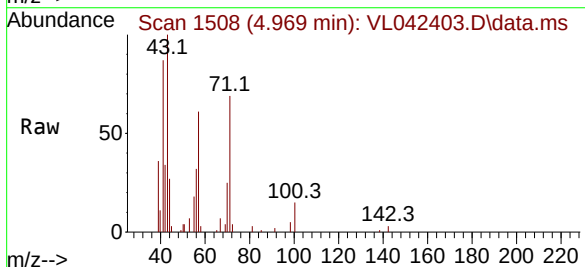
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

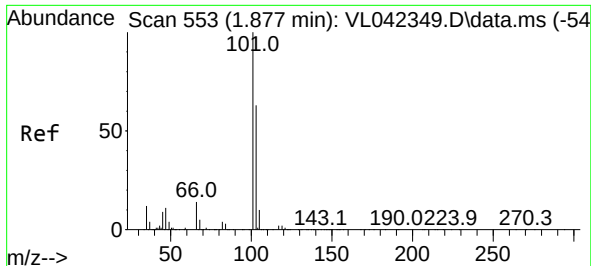
Tgt Ion: 41 Resp: 1163775
Ion Ratio Lower Upper
41 100
42 73.4 56.2 84.4



#10
Heptane
Concen: 0.082 ppbv
RT: 4.969 min Scan# 1508
Delta R.T. -0.009 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
57 228.0 39.9 59.9#

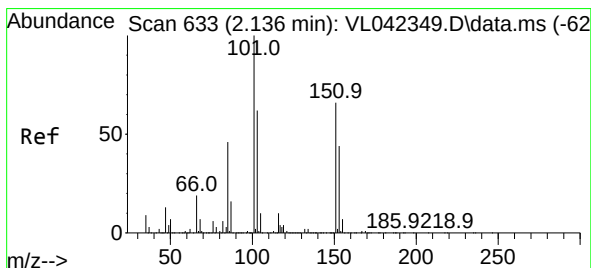
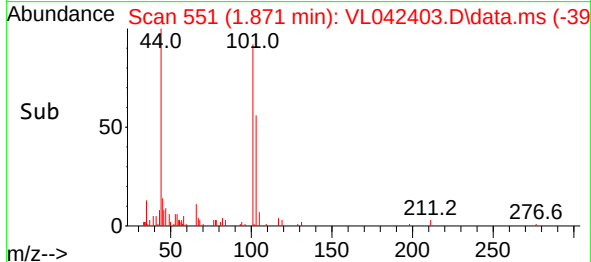
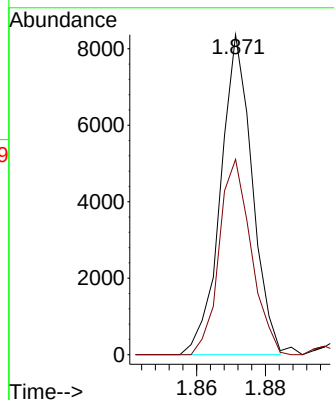
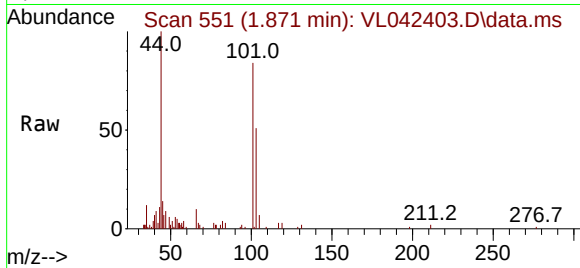




#11
 Trichlorofluoromethane
 Concen: 0.240 ppbv
 RT: 1.871 min Scan# 511
 Delta R.T. -0.006 min
 Lab File: VL042403.D
 Acq: 21 Apr 2025 14:13

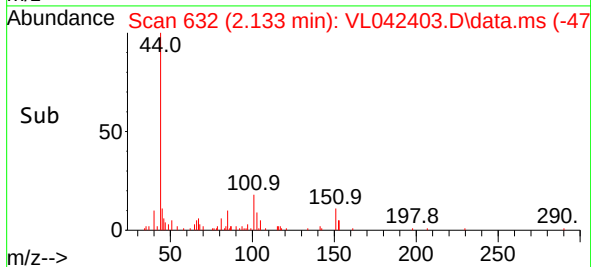
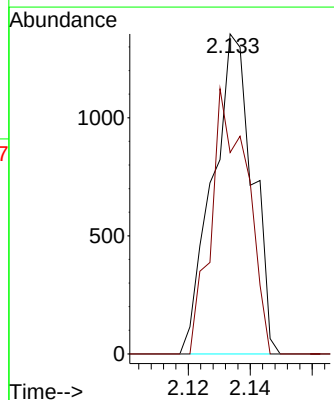
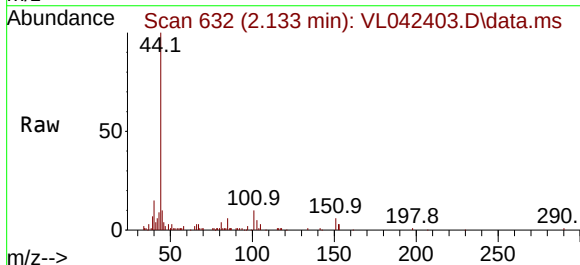
Instrument :
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 ClientSampleId :
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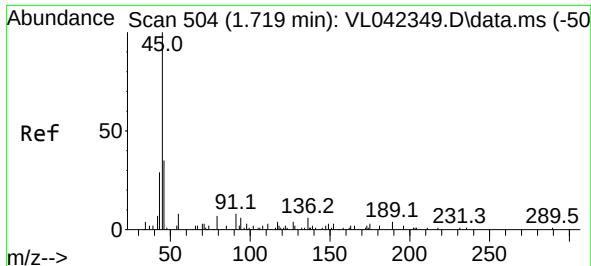
Tgt Ion:101 Resp: 5354
 Ion Ratio Lower Upper
 101 100
 103 61.0 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.067 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.003 min
 Lab File: VL042403.D
 Acq: 21 Apr 2025 14:13

Tgt Ion:101 Resp: 1221
 Ion Ratio Lower Upper
 101 100
 151 74.0 57.0 85.6





#13

Ethanol

Concen: 4192.544 ppbv

RT: 1.752 min Scan# 514

Delta R.T. 0.033 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

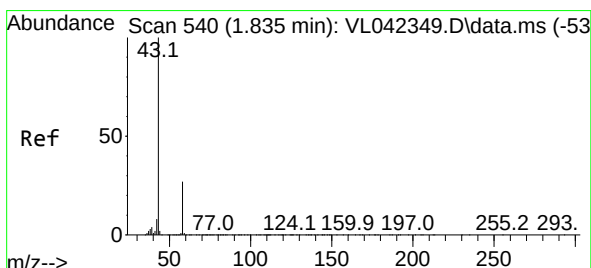
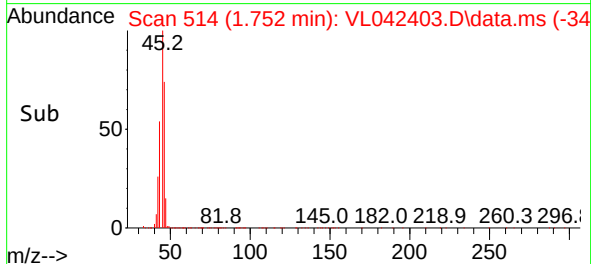
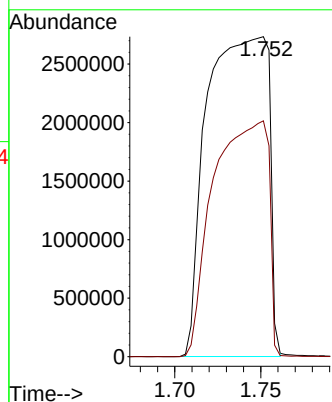
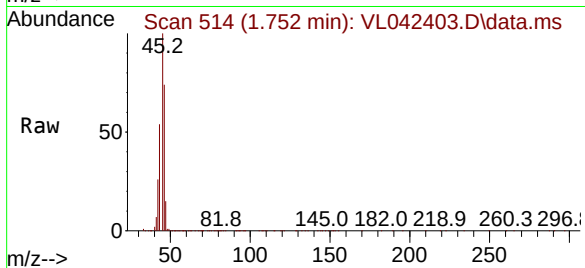
IA1DUP

Tgt Ion: 45 Resp: 6779986

Ion Ratio Lower Upper

45 100

46 66.4 21.9 87.7



#15

Acetone

Concen: 22.816 ppbv

RT: 1.836 min Scan# 540

Delta R.T. 0.000 min

Lab File: VL042403.D

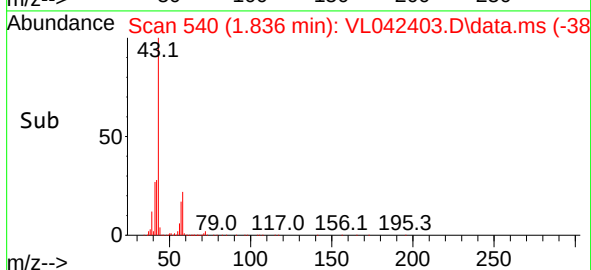
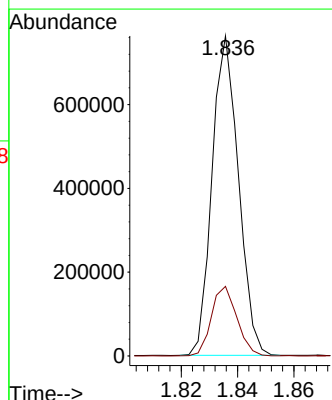
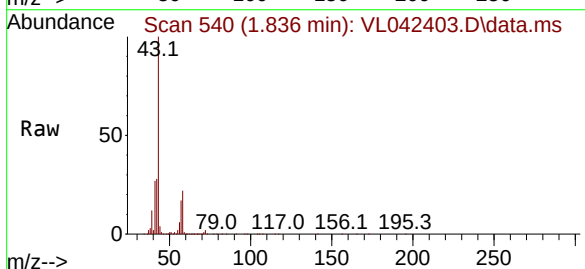
Acq: 21 Apr 2025 14:13

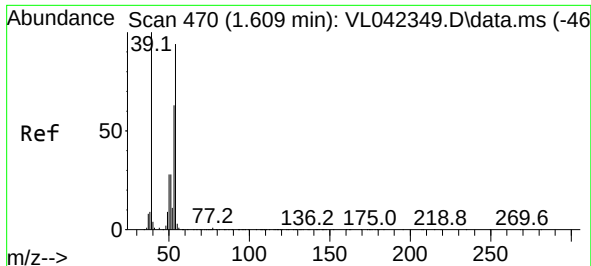
Tgt Ion: 43 Resp: 495980

Ion Ratio Lower Upper

43 100

58 21.2 22.4 33.6#

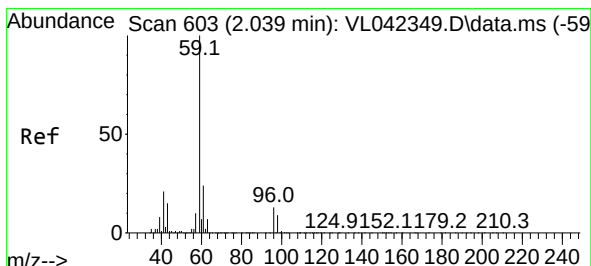
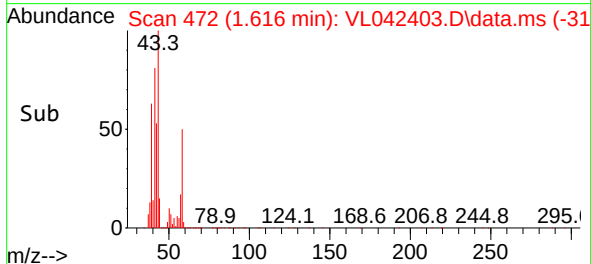
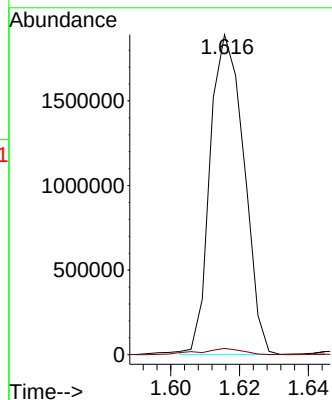
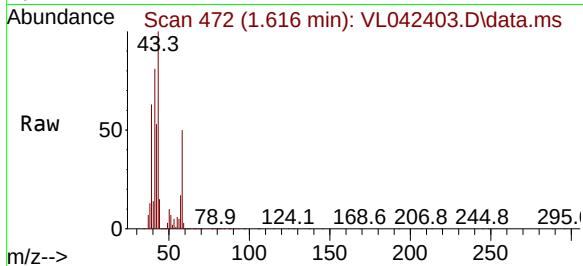




#16
1,3-Butadiene
Concen: 124.157 ppbv
RT: 1.616 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

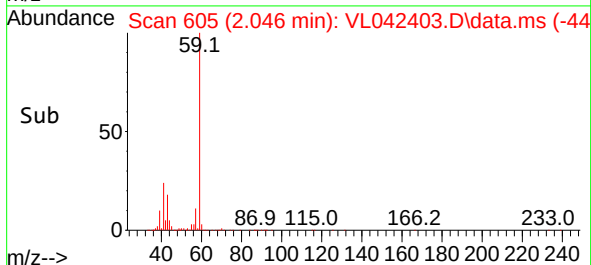
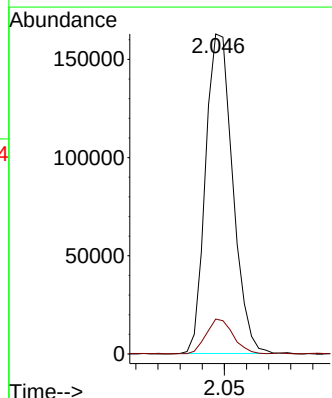
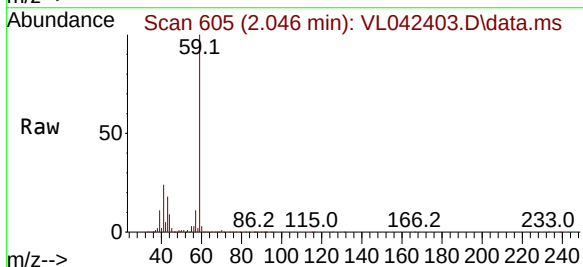
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

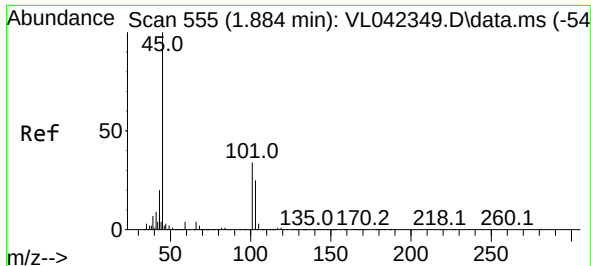
Tgt Ion: 39 Resp: 1290886
Ion Ratio Lower Upper
39 100
54 2.6 64.9 97.3#



#17
tert-Butyl alcohol
Concen: 5.148 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 59 Resp: 138695
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

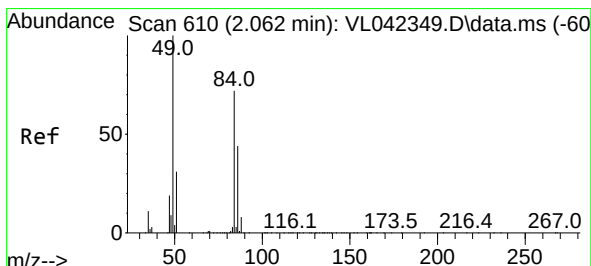
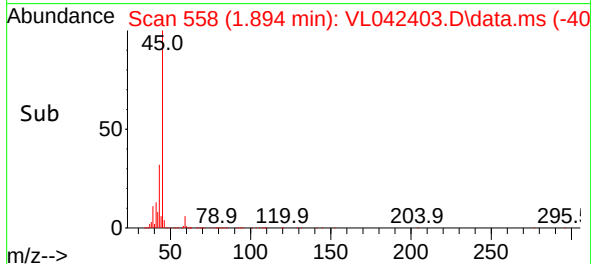
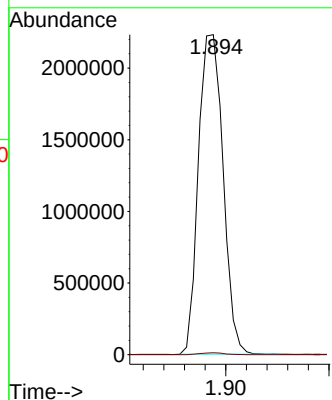
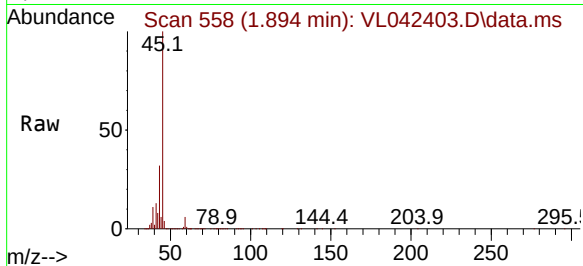




#19
Isopropyl Alcohol
Concen: 153.105 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

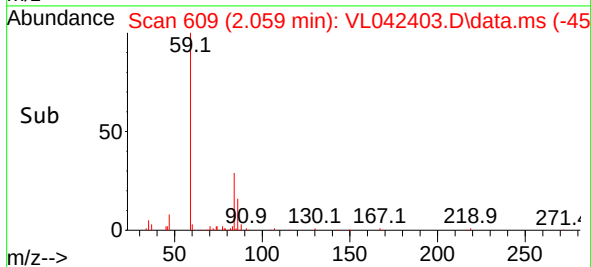
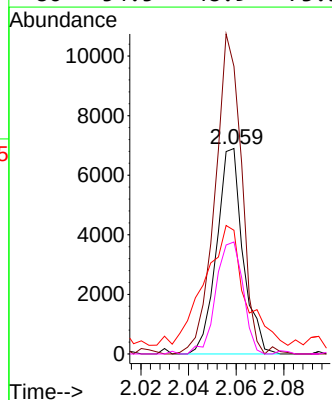
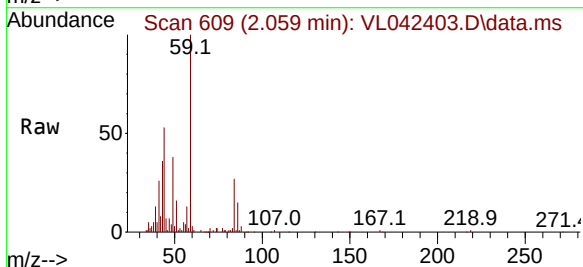
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

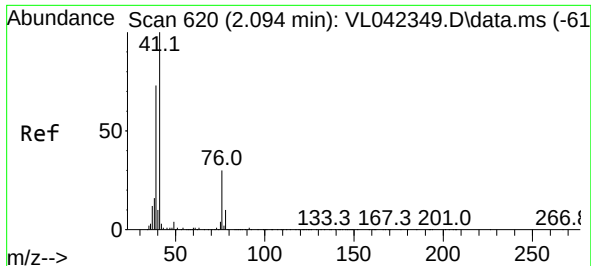
Tgt Ion: 45 Resp: 1848877
Ion Ratio Lower Upper
45 100
58 5.7 34.5 51.7#



#20
Methylene Chloride
Concen: 0.621 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 84 Resp: 5286
Ion Ratio Lower Upper
84 100
49 139.3 111.6 167.4
51 53.6 35.1 52.7#
86 54.5 48.9 73.3

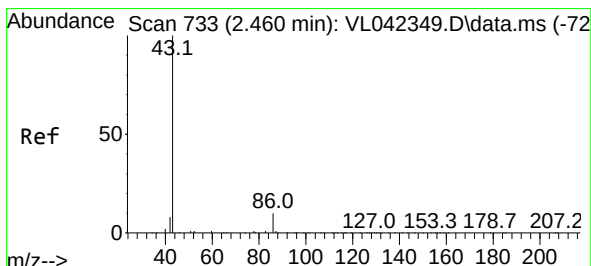
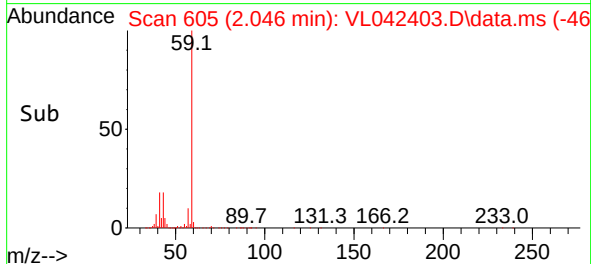
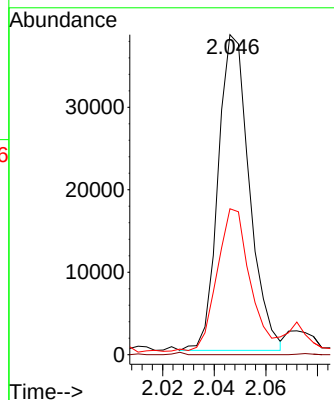
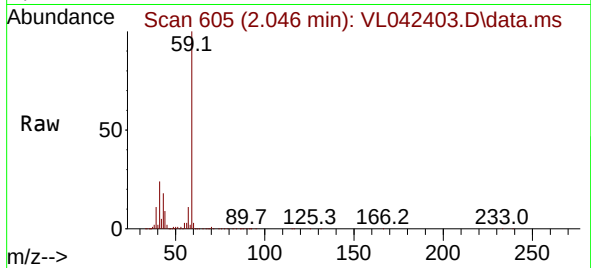




#21
 Allyl Chloride
 Concen: 2.145 ppbv
 RT: 2.046 min Scan# 605
 Delta R.T. -0.048 min
 Lab File: VL042403.D
 Acq: 21 Apr 2025 14:13

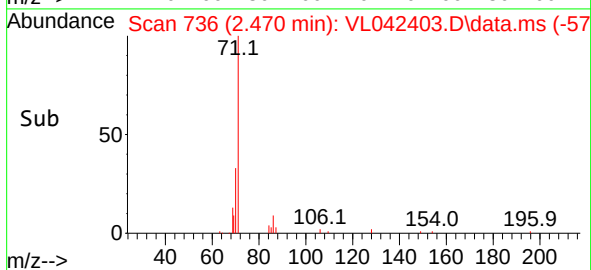
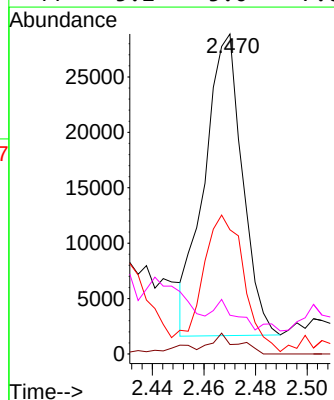
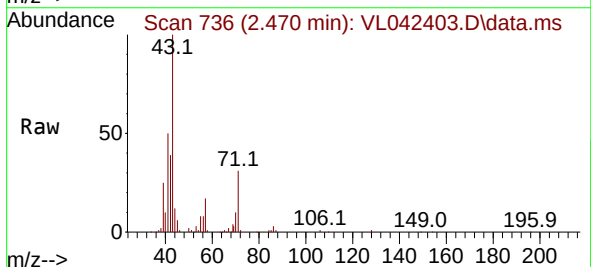
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

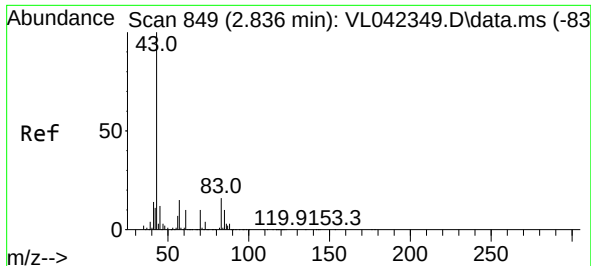
Tgt Ion: 41 Resp: 32194
 Ion Ratio Lower Upper
 41 100
 76 0.3 24.8 37.2#
 39 0.0 60.6 90.8#



#23
 Vinyl Acetate
 Concen: 3.160 ppbv
 RT: 2.470 min Scan# 736
 Delta R.T. 0.010 min
 Lab File: VL042403.D
 Acq: 21 Apr 2025 14:13

Tgt Ion: 43 Resp: 27801
 Ion Ratio Lower Upper
 43 100
 86 3.1 6.5 9.7#
 42 40.5 7.8 11.8#
 44 5.2 5.0 7.6





#25

Ethyl Acetate

Concen: 0.770 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 43 Resp: 41284

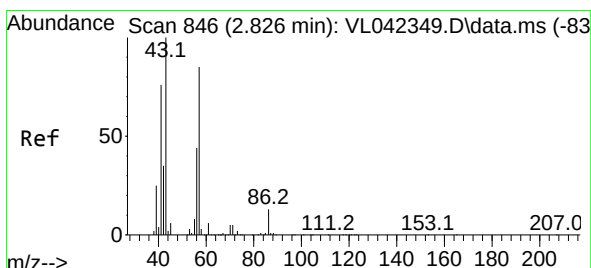
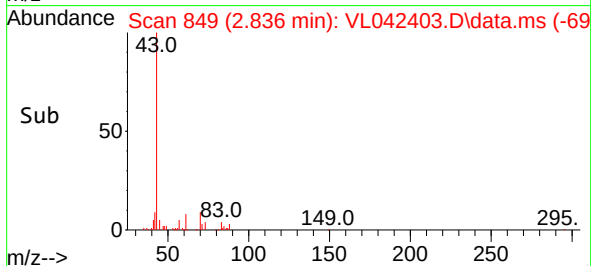
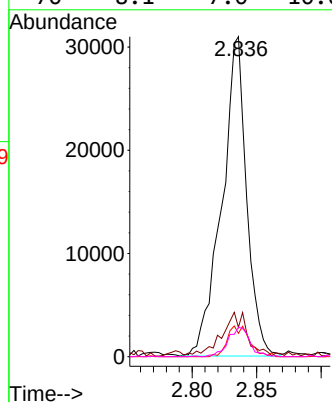
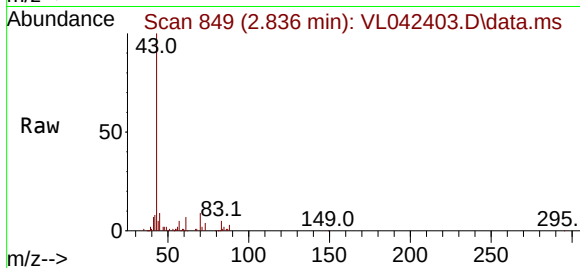
Ion Ratio Lower Upper

43 100

45 15.6 8.3 12.5#

61 8.6 7.3 10.9

70 8.1 7.0 10.6



#26

Hexane

Concen: 0.715 ppbv

RT: 2.820 min Scan# 844

Delta R.T. -0.006 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Tgt Ion: 57 Resp: 15516

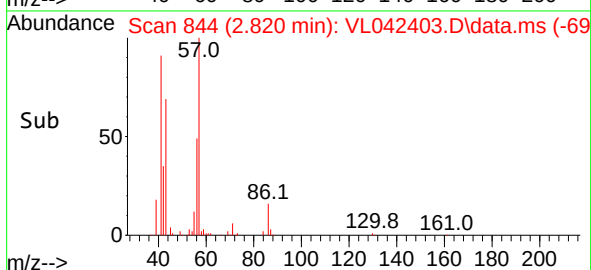
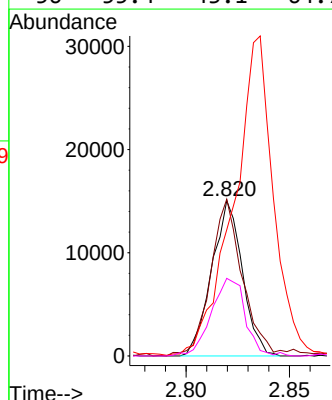
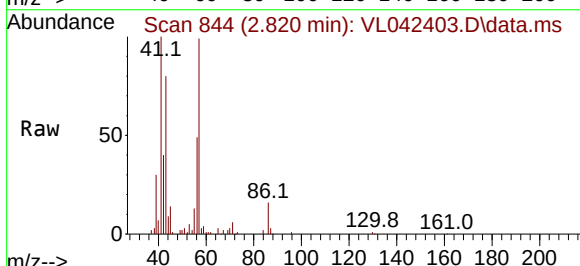
Ion Ratio Lower Upper

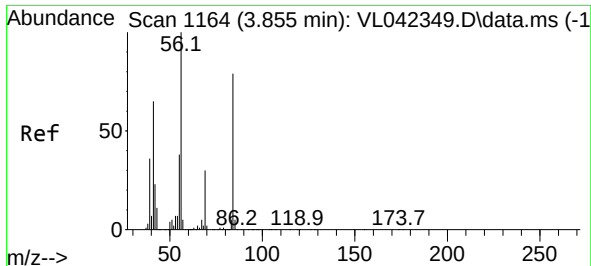
57 100

41 105.4 77.9 116.9

43 266.4 208.4 312.6

56 55.4 43.1 64.7

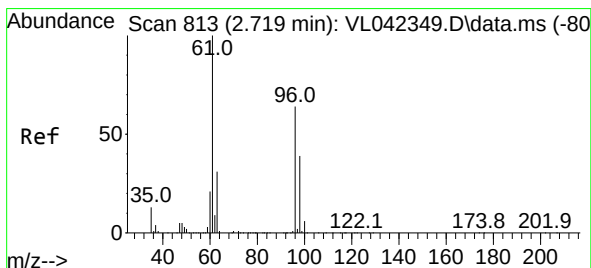
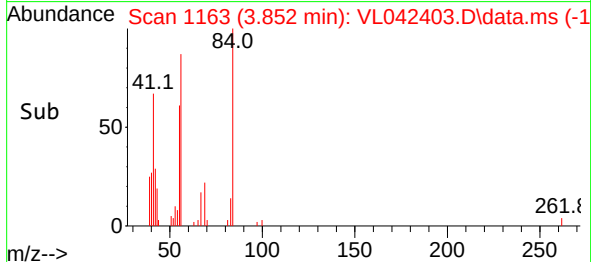
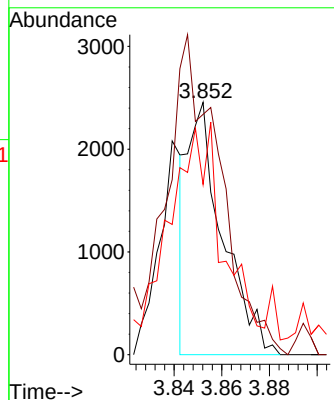
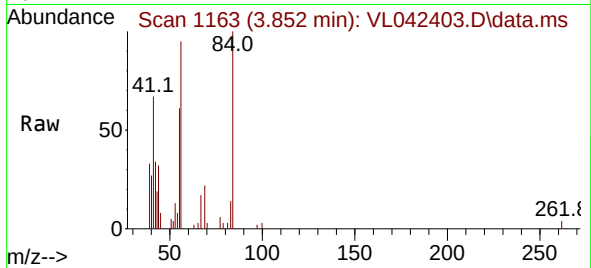




#30
Cyclohexane
Concen: 0.143 ppbv
RT: 3.852 min Scan# 1164
Delta R.T. -0.003 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

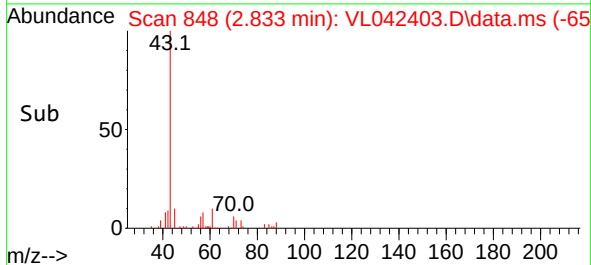
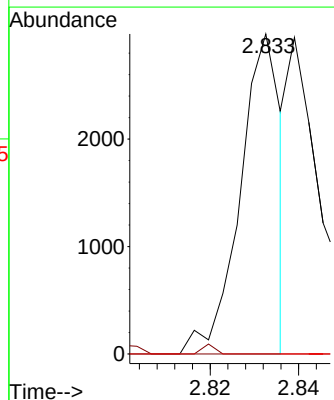
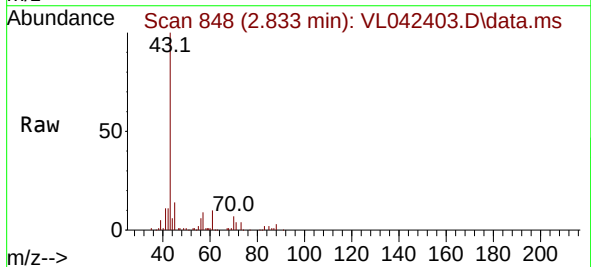
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

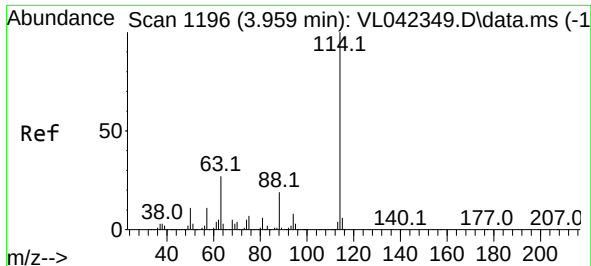
Tgt Ion: 84 Resp: 2516
Ion Ratio Lower Upper
84 100
56 208.7 101.0 151.4#
41 123.4 67.4 101.0#



#31
cis-1,2-Dichloroethene
Concen: 0.093 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.114 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 61 Resp: 1918
Ion Ratio Lower Upper
61 100
96 0.0 50.8 76.2#
98 0.0 30.9 46.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1196

Delta R.T. -0.009 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

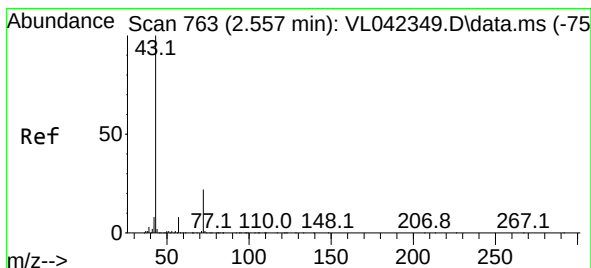
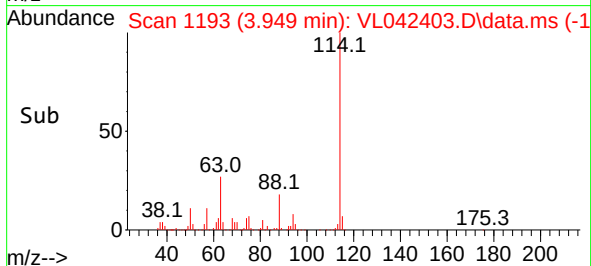
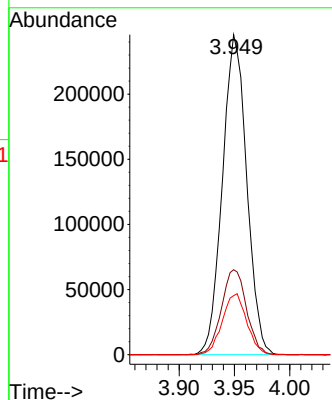
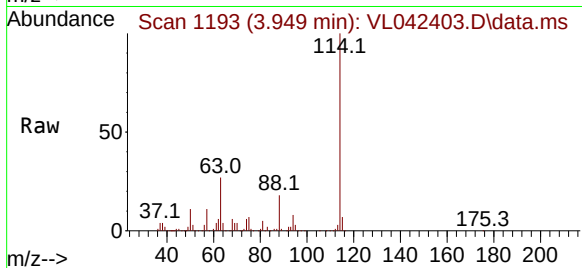
Tgt Ion:114 Resp: 375368

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.6

88 19.2 15.5 23.3



#34

2-Butanone

Concen: 0.657 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL042403.D

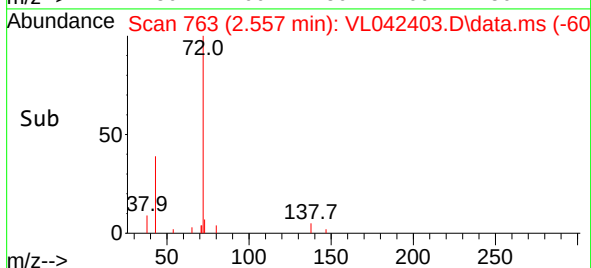
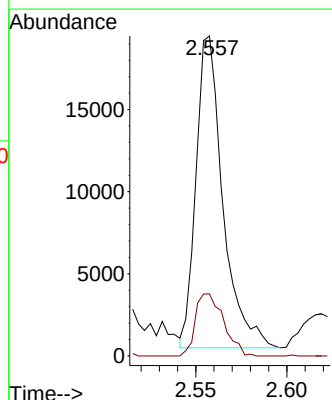
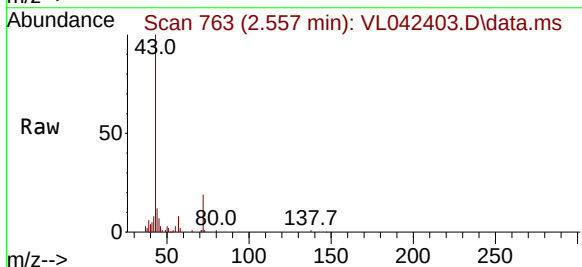
Acq: 21 Apr 2025 14:13

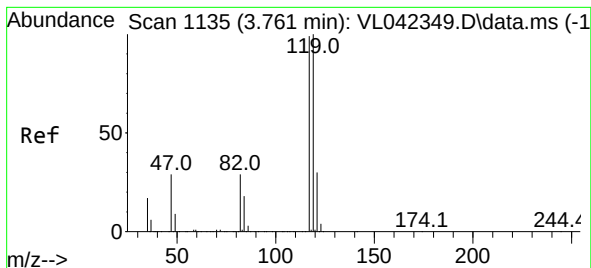
Tgt Ion: 43 Resp: 19516

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.036 ppbv

RT: 3.755 min Scan# 1135

Delta R.T. -0.006 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

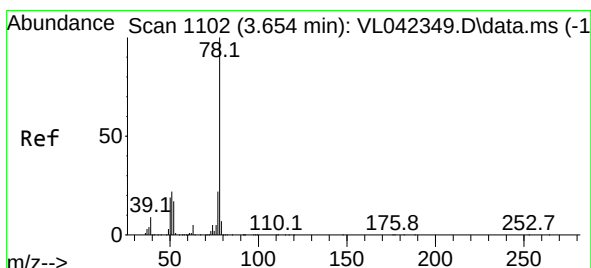
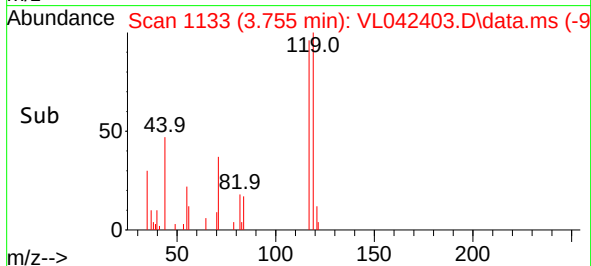
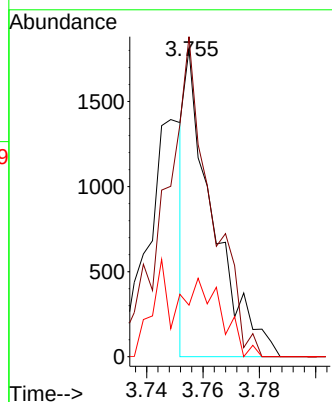
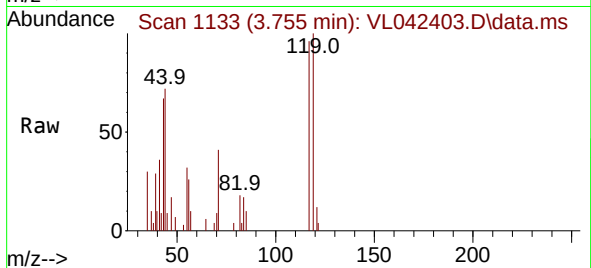
Tgt Ion:117 Resp: 1230

Ion Ratio Lower Upper

117 100

119 104.0 80.5 120.7

121 16.8 24.2 36.2#



#36

Benzene

Concen: 12.757 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

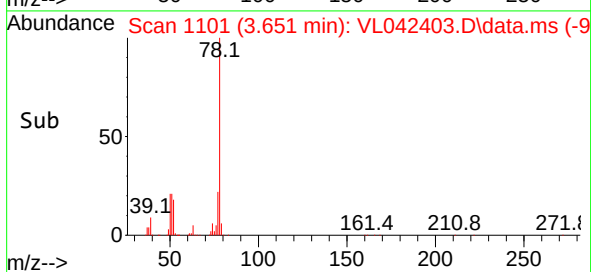
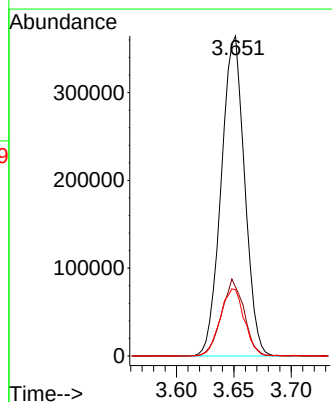
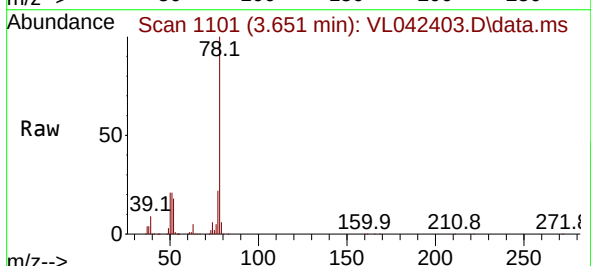
Tgt Ion: 78 Resp: 516496

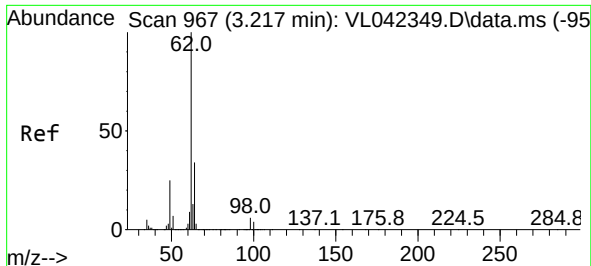
Ion Ratio Lower Upper

78 100

77 21.5 17.4 26.0

50 20.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.074 ppbv

RT: 3.215 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

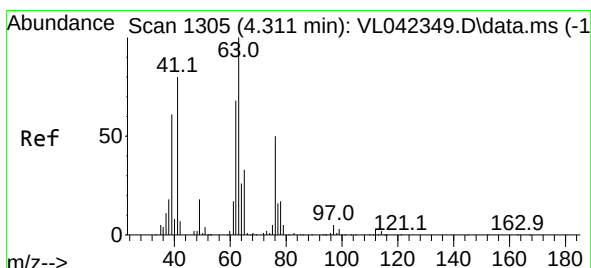
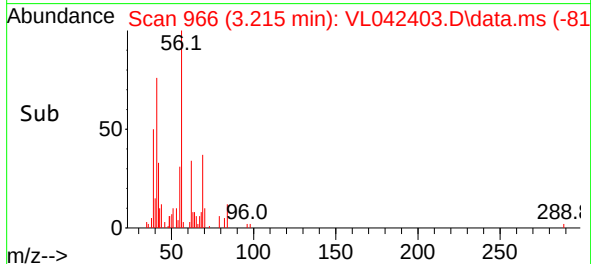
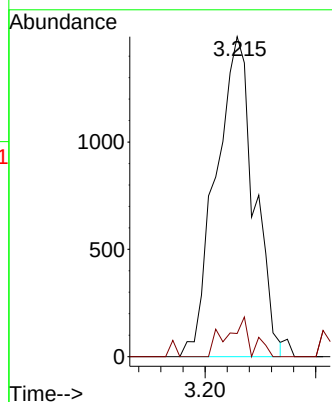
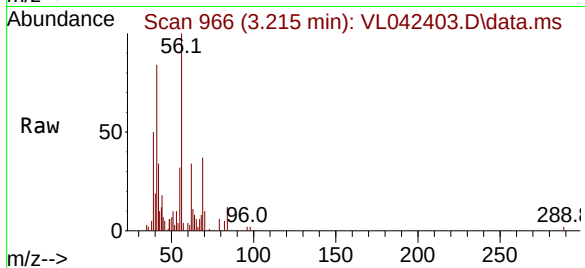
IA1DUP

Tgt Ion: 62 Resp: 1798

Ion Ratio Lower Upper

62 100

98 8.8 5.1 7.7#



#39

1,2-Dichloropropane

Concen: 6.824 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.362 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

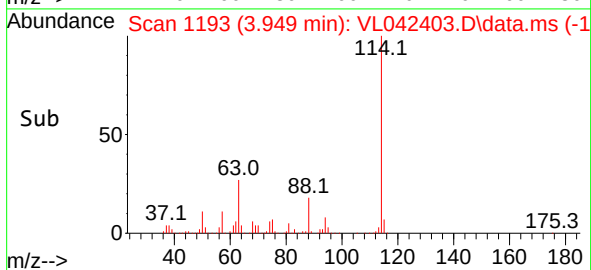
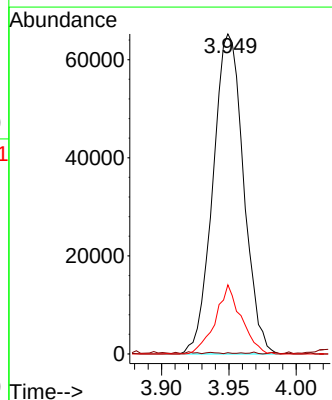
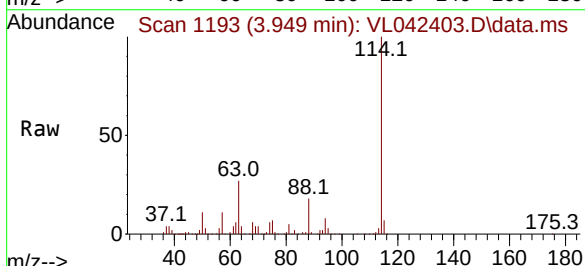
Tgt Ion: 63 Resp: 102958

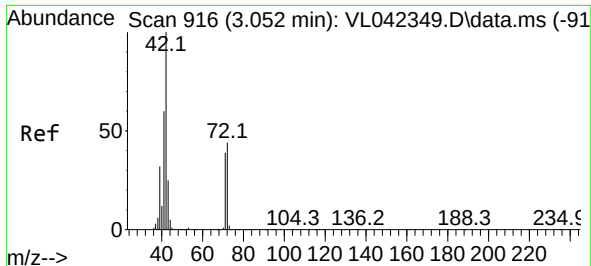
Ion Ratio Lower Upper

63 100

41 0.3 64.2 96.2#

62 21.6 54.3 81.5#

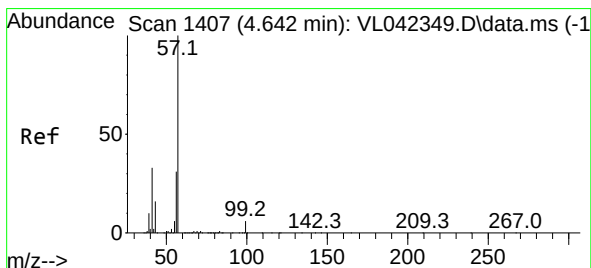
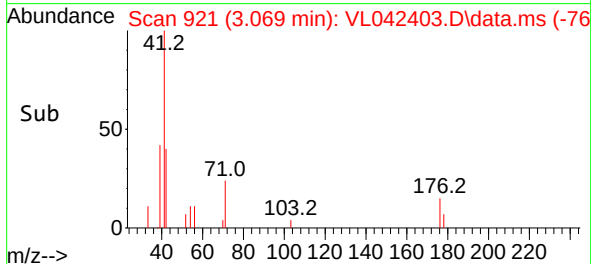
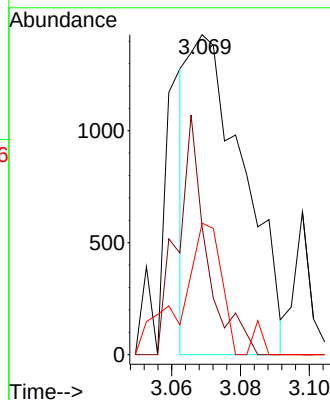
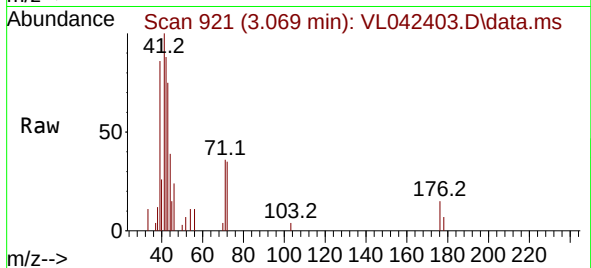




#41
Tetrahydrofuran
Concen: 0.092 ppbv
RT: 3.069 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

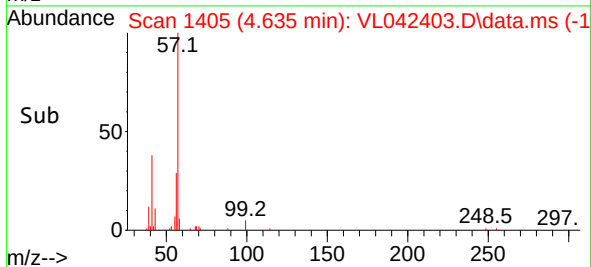
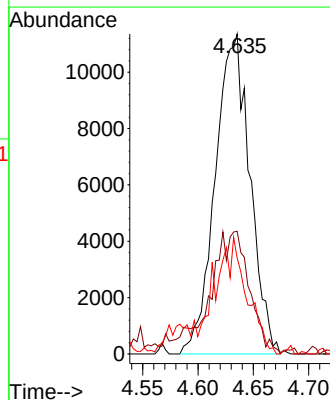
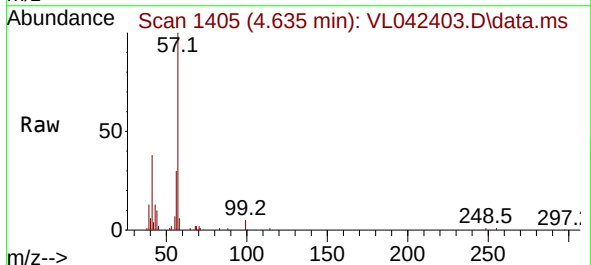
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

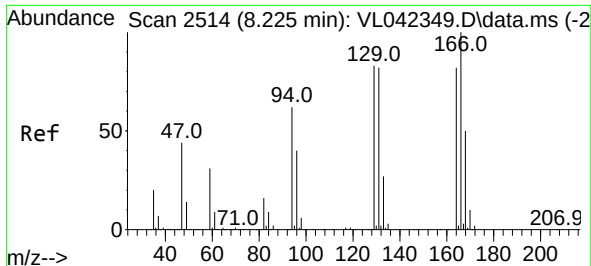
Tgt Ion: 42 Resp: 1597
Ion Ratio Lower Upper
42 100
72 39.6 32.3 48.5
71 33.5 31.4 47.2



#44
2,2,4-Trimethylpentane
Concen: 0.354 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 57 Resp: 24746
Ion Ratio Lower Upper
57 100
41 45.6 27.2 40.8#
56 41.0 25.7 38.5#

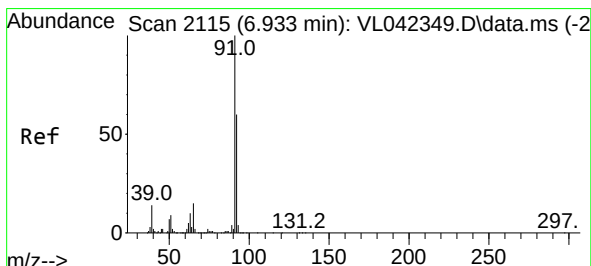
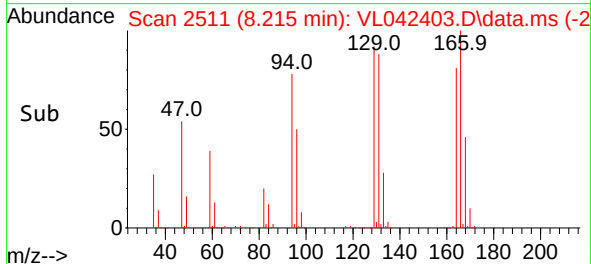
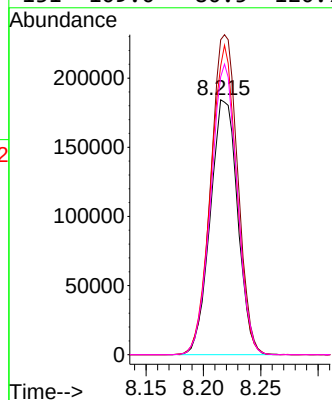
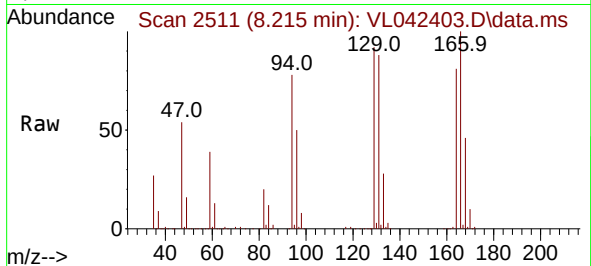




#52
Tetrachloroethene
Concen: 19.460 ppbv
RT: 8.215 min Scan# 2111
Delta R.T. -0.009 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

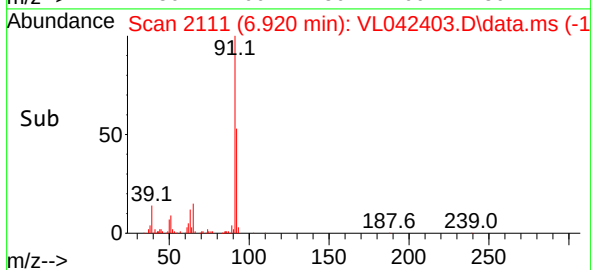
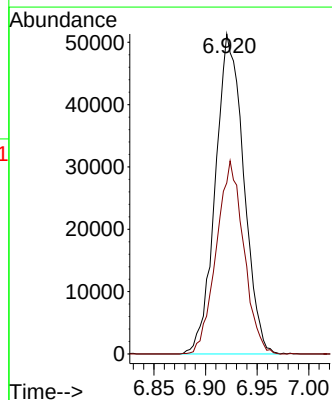
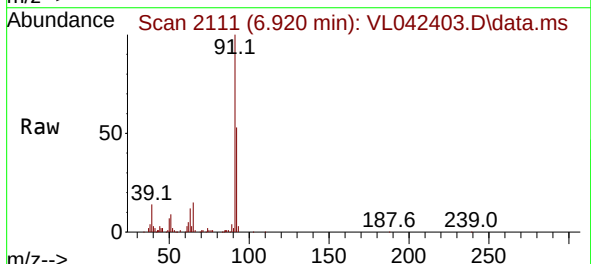
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

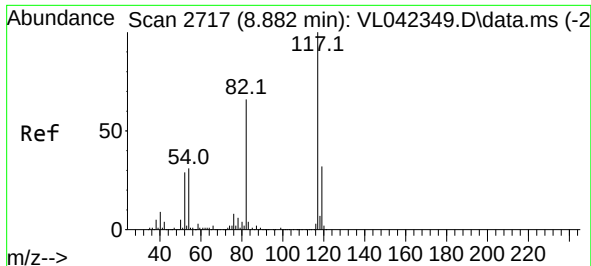
Tgt Ion:164 Resp: 304528
Ion Ratio Lower Upper
164 100
166 123.5 98.2 147.2
129 113.3 81.8 122.8
131 109.0 80.5 120.7



#53
Toluene
Concen: 2.013 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.013 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 91 Resp: 97818
Ion Ratio Lower Upper
91 100
92 58.5 48.2 72.4

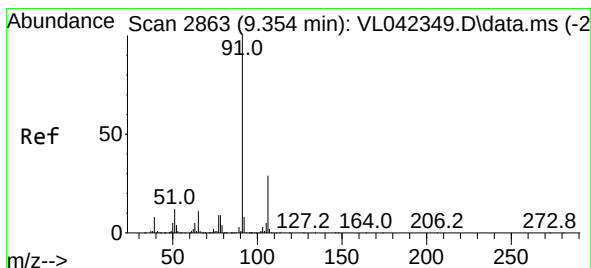
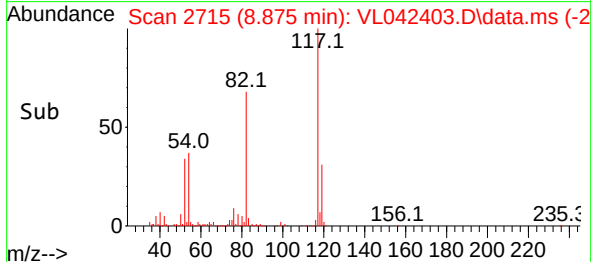
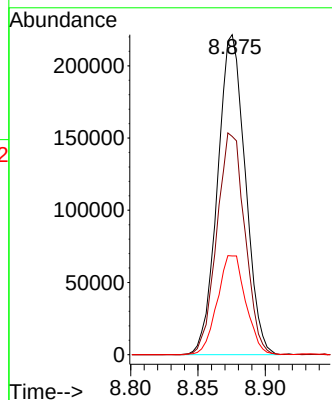
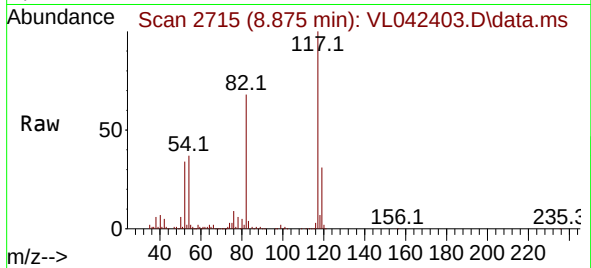




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

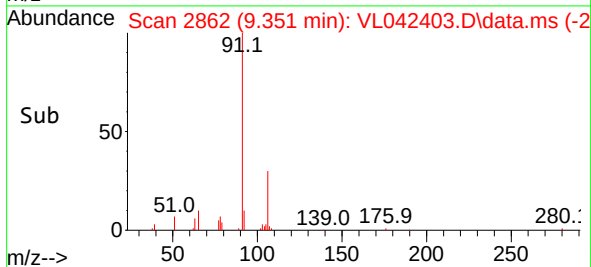
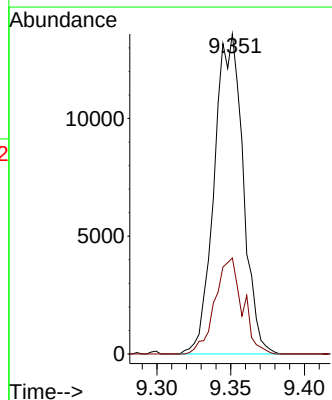
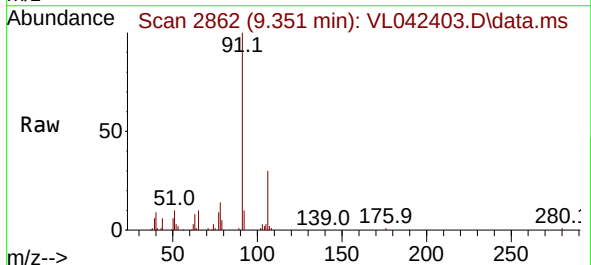
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

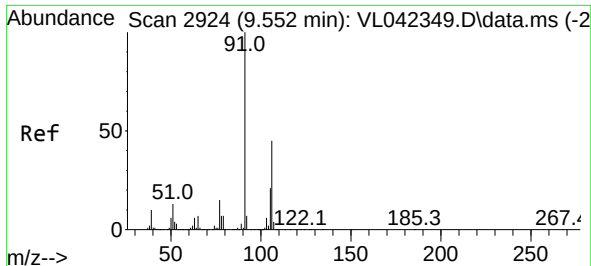
Tgt Ion:117 Resp: 317335
Ion Ratio Lower Upper
117 100
82 70.3 57.8 86.6
119 31.8 25.2 37.8



#58
Ethyl Benzene
Concen: 0.294 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 91 Resp: 18455
Ion Ratio Lower Upper
91 100
106 30.0 23.0 34.4





#59

m/p-Xylene

Concen: 0.221 ppbv

RT: 9.542 min Scan# 2924

Delta R.T. -0.009 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

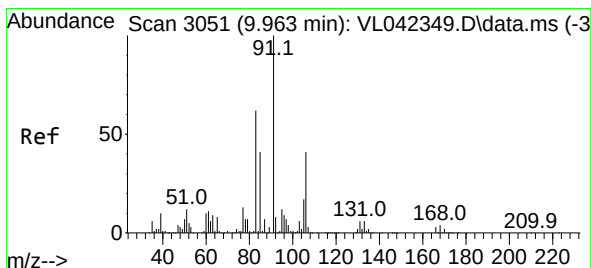
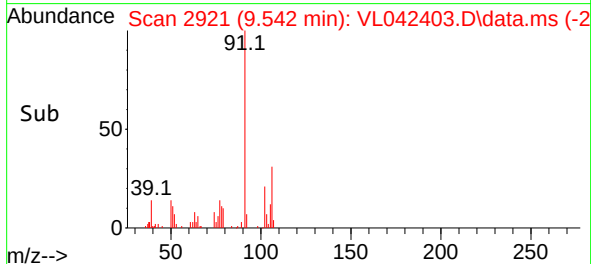
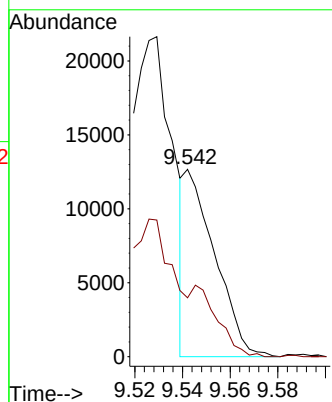
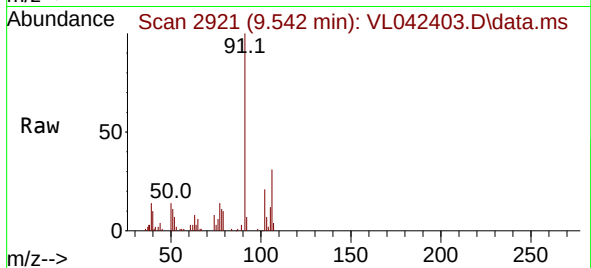
IA1DUP

Tgt Ion: 91 Resp: 11204

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 0.318 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.006 min

Lab File: VL042403.D

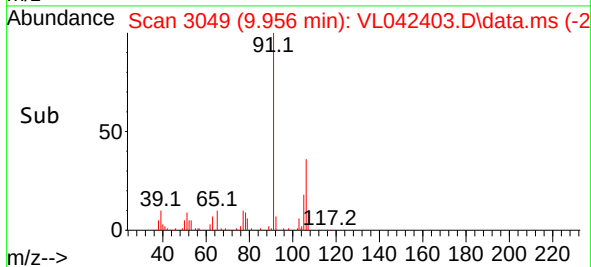
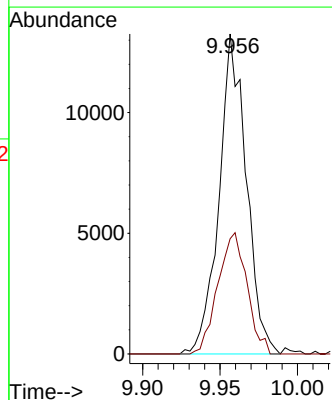
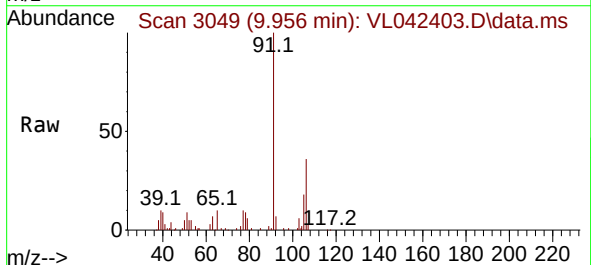
Acq: 21 Apr 2025 14:13

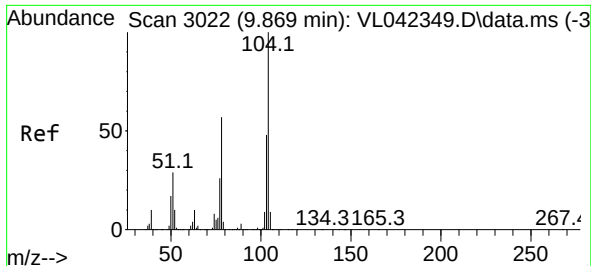
Tgt Ion: 91 Resp: 16241

Ion Ratio Lower Upper

91 100

106 40.5 21.1 63.4

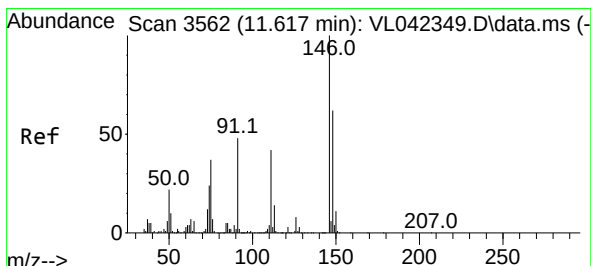
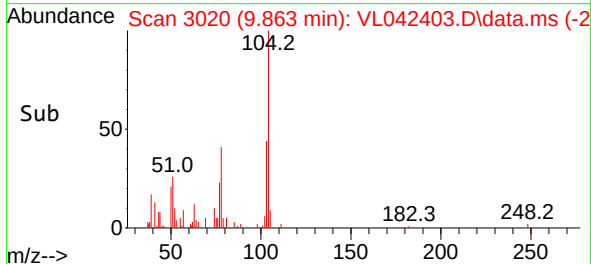
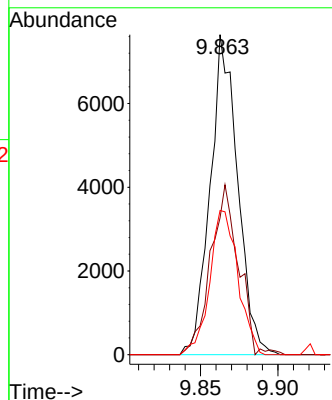
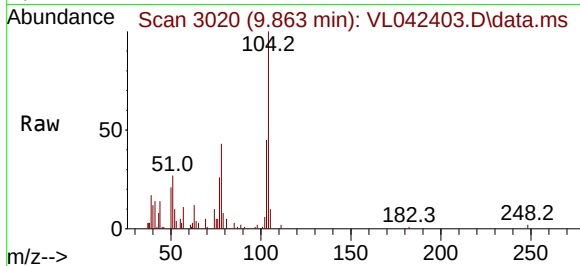




#61
Styrene
Concen: 0.388 ppbv
RT: 9.863 min Scan# 3022
Delta R.T. -0.006 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

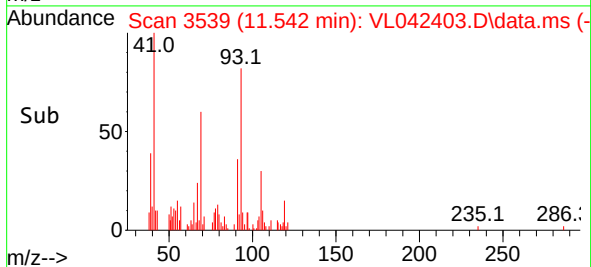
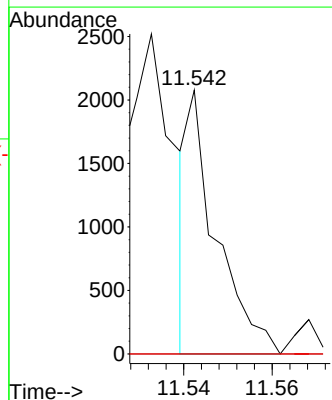
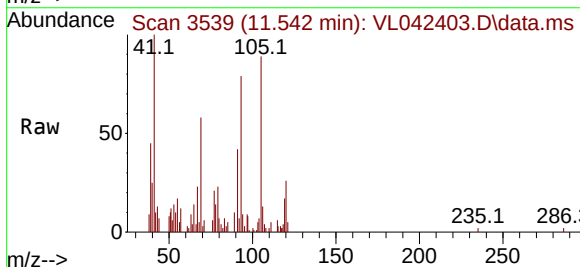
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

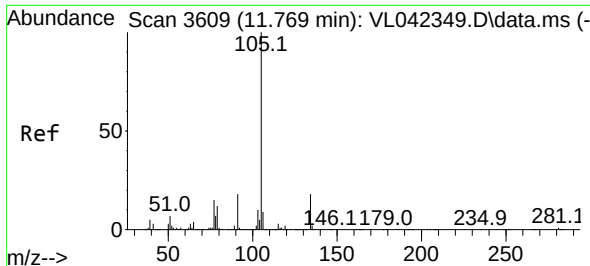
Tgt Ion:	104	Resp:	9449
Ion Ratio	Lower	Upper	
104	100		
78	53.9	44.6	66.8
103	46.4	37.4	56.0



#66
Benzyl Chloride
Concen: 0.122 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.074 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion:	91	Resp:	923
Ion Ratio	Lower	Upper	
91	100		
126	0.0	11.8	17.6#
128	0.0	4.5	6.7#

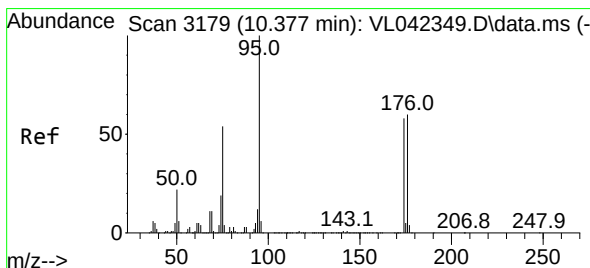
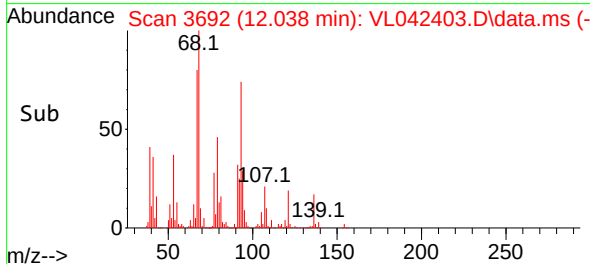
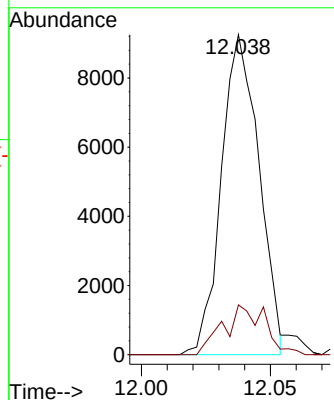
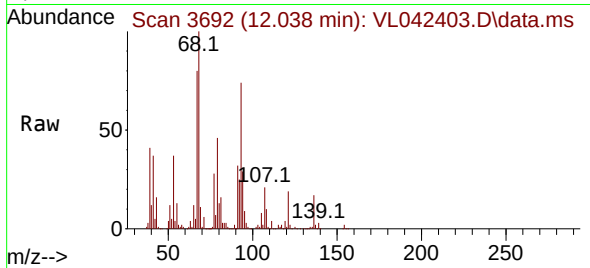




#67
 sec-Butylbenzene
 Concen: 0.098 ppbv
 RT: 12.038 min Scan# 3177
 Delta R.T. 0.269 min
 Lab File: VL042403.D
 Acq: 21 Apr 2025 14:13

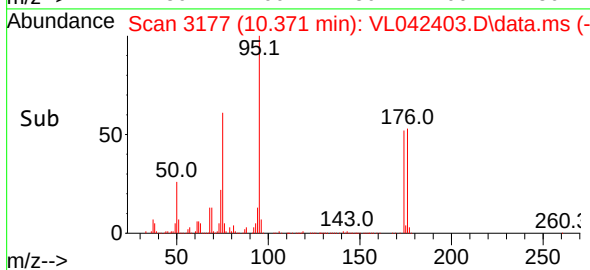
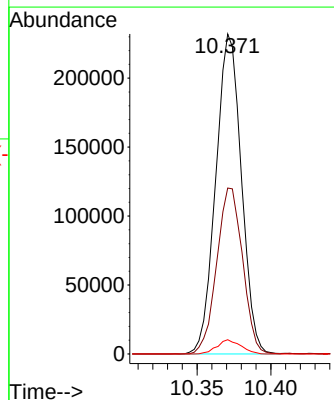
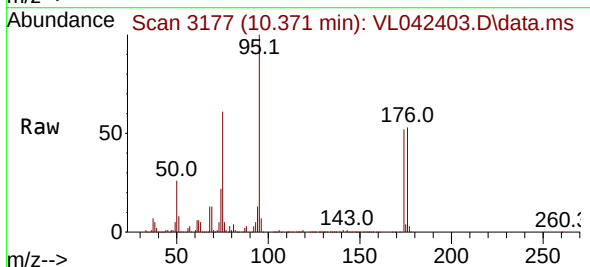
Instrument :
 MSVOA_1
 ClientSampleId :
 IA1DUP

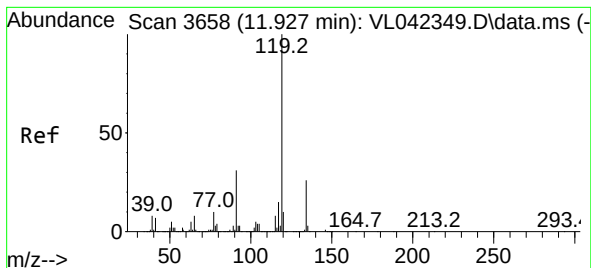
Tgt Ion:105 Resp: 9384
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.738 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: VL042403.D
 Acq: 21 Apr 2025 14:13

Tgt Ion: 95 Resp: 280008
 Ion Ratio Lower Upper
 95 100
 174 52.5 48.5 72.7
 175 4.1 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.098 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.006 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

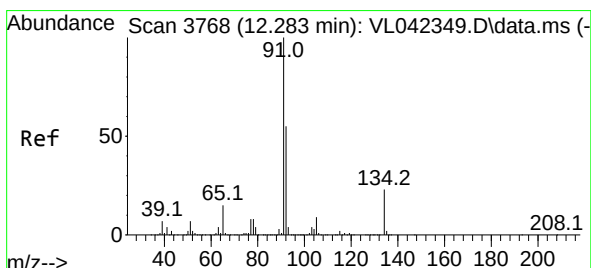
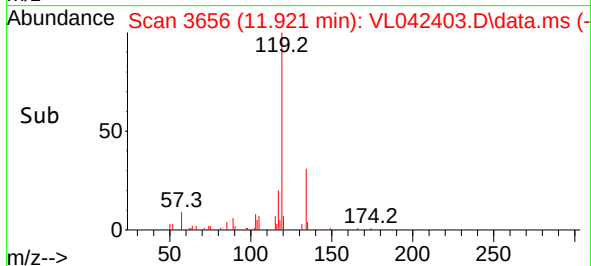
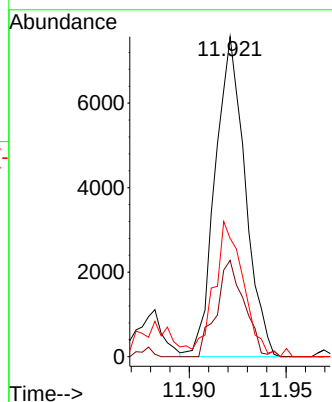
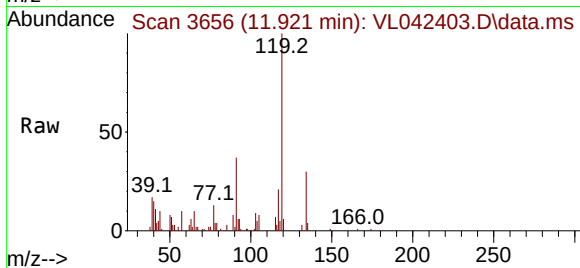
Tgt Ion:119 Resp: 8144

Ion Ratio Lower Upper

119 100

134 28.2 20.0 30.0

91 42.1 24.4 36.6#



#70

n-Butylbenzene

Concen: 0.052 ppbv

RT: 12.342 min Scan# 3786

Delta R.T. 0.059 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

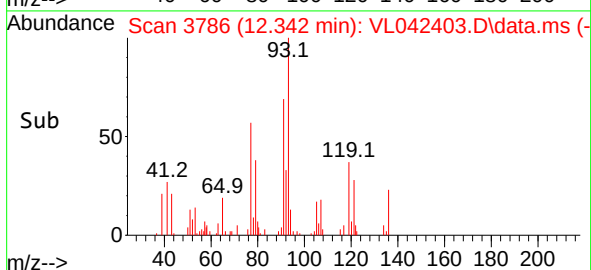
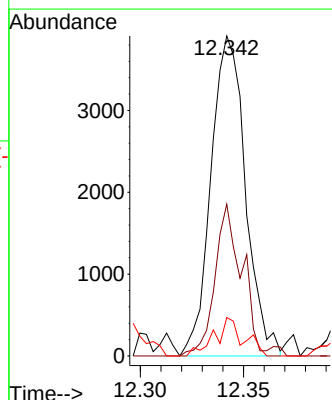
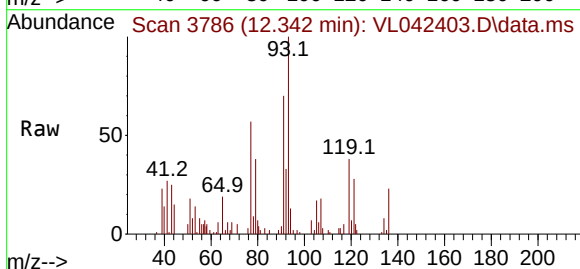
Tgt Ion: 91 Resp: 4546

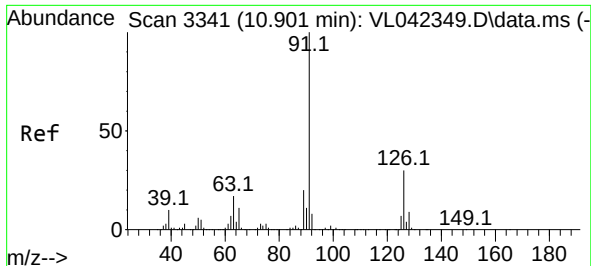
Ion Ratio Lower Upper

91 100

92 38.1 44.2 66.4#

134 10.0 18.2 27.4#

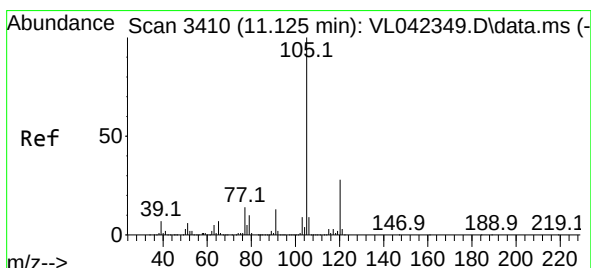
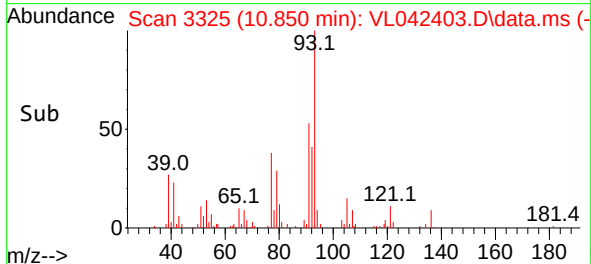
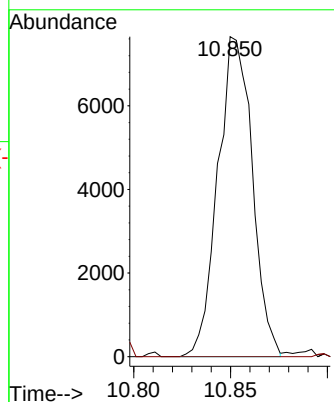
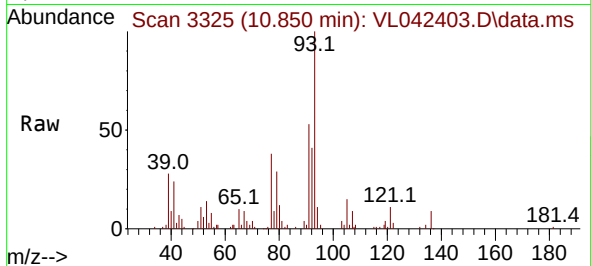




#71
2-Chlorotoluene
Concen: 0.161 ppbv
RT: 10.850 min Scan# 31
Delta R.T. -0.051 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

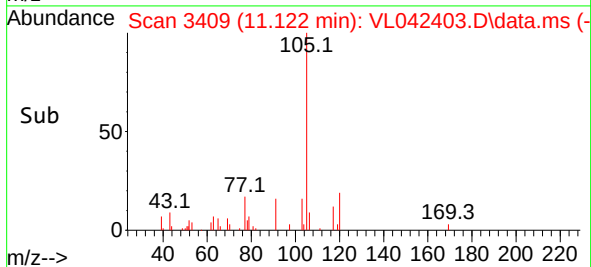
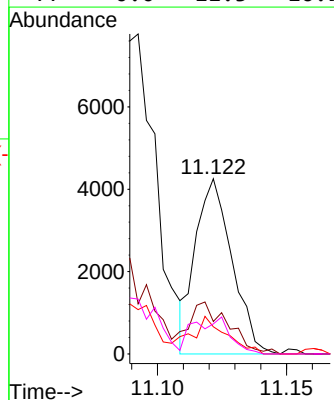
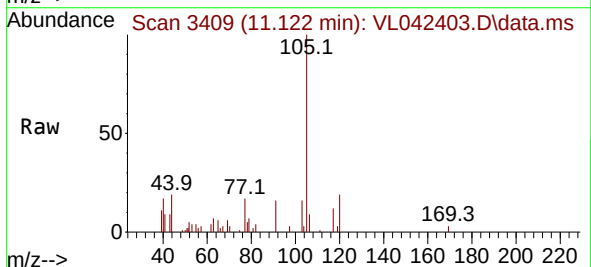
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

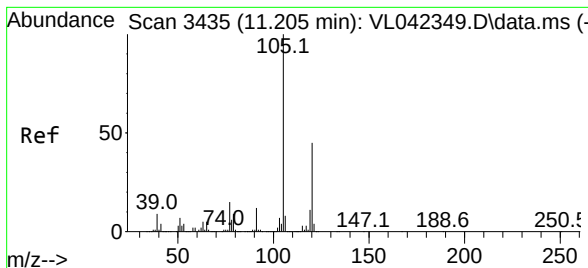
Tgt Ion: 91 Resp: 9483
Ion Ratio Lower Upper
91 100
126 0.3 11.4 45.4#



#72
4-Ethyltoluene
Concen: 0.067 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion: 105 Resp: 4193
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.063 ppbv

RT: 11.203 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

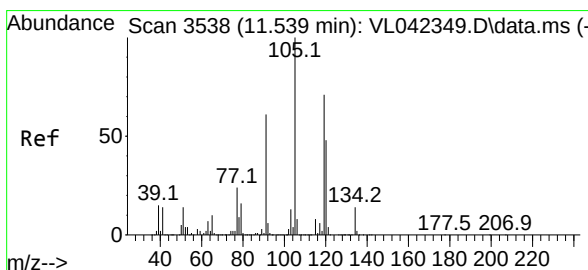
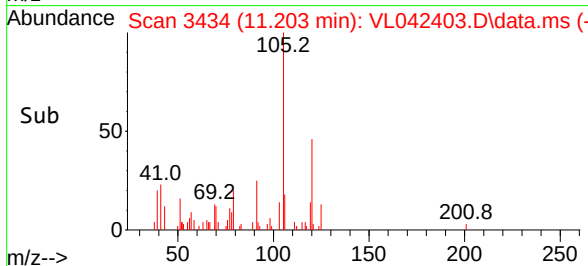
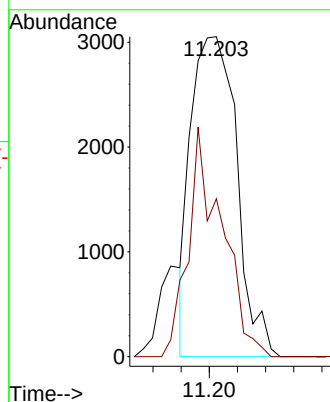
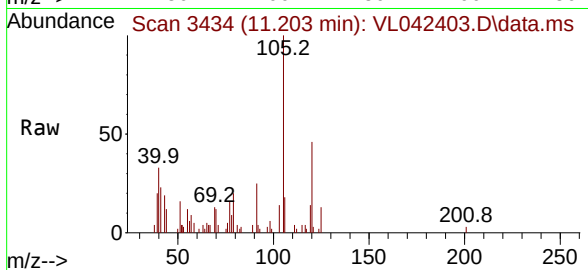
IA1DUP

Tgt Ion:105 Resp: 3450

Ion Ratio Lower Upper

105 100

120 49.4 35.6 53.4



#74

1,2,4-Trimethylbenzene

Concen: 0.230 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. -0.006 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Tgt Ion:105 Resp: 14817

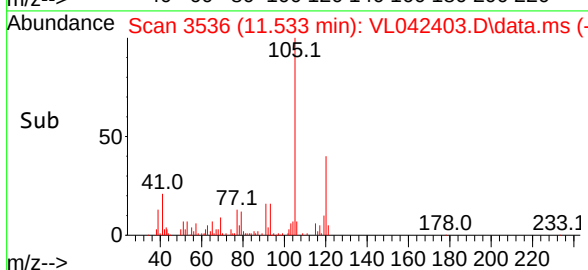
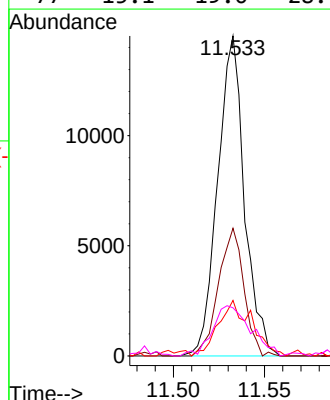
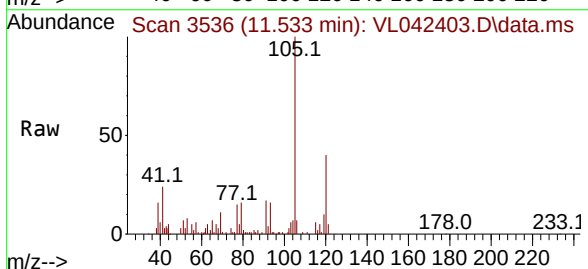
Ion Ratio Lower Upper

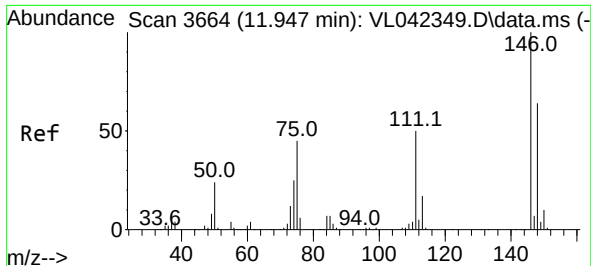
105 100

120 39.9 38.1 57.1

91 16.1 48.8 73.2#

77 15.1 19.0 28.4#

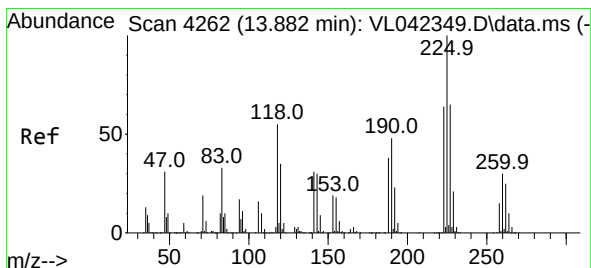
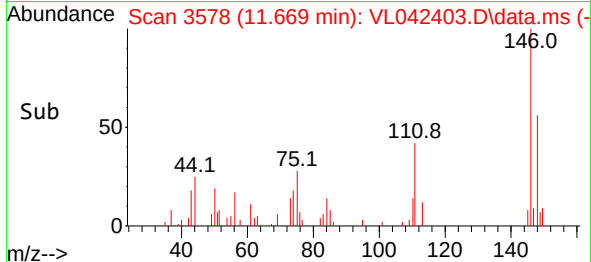
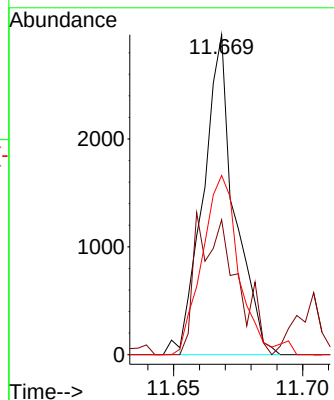
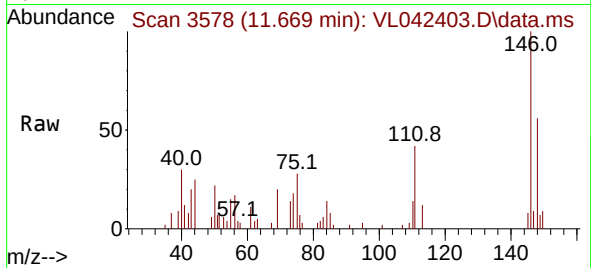




#77
1,2-Dichlorobenzene
Concen: 0.076 ppbv
RT: 11.669 min Scan# 311
Delta R.T. -0.278 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

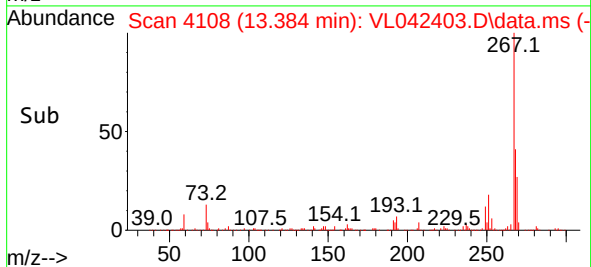
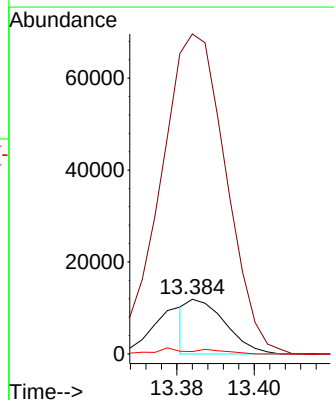
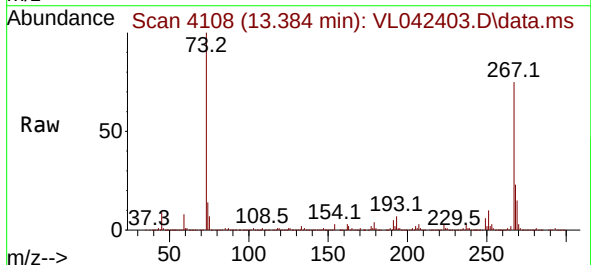
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

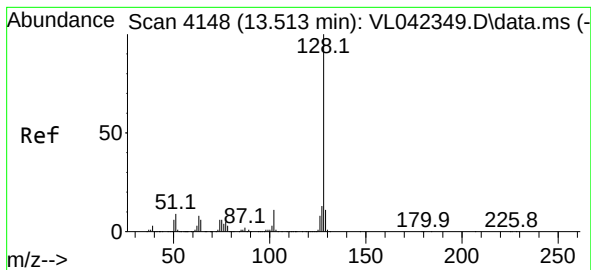
Tgt Ion:146 Resp: 2482
Ion Ratio Lower Upper
146 100
111 0.0 25.3 75.9#
148 67.2 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.246 ppbv
RT: 13.384 min Scan# 4108
Delta R.T. -0.498 min
Lab File: VL042403.D
Acq: 21 Apr 2025 14:13

Tgt Ion:225 Resp: 8087
Ion Ratio Lower Upper
225 100
223 0.0 50.3 75.5#
227 0.0 51.5 77.3#





#79

Naphthalene

Concen: 0.514 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

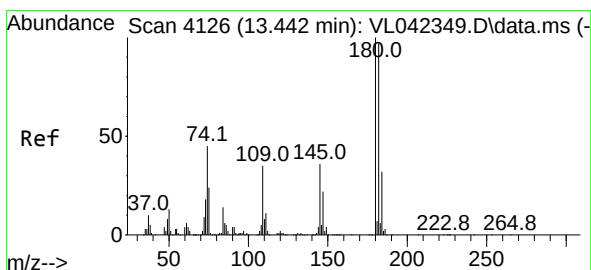
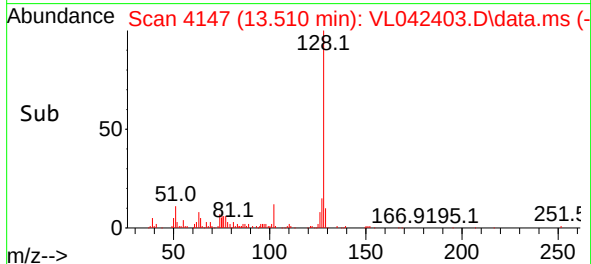
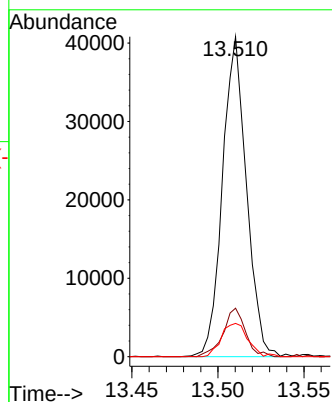
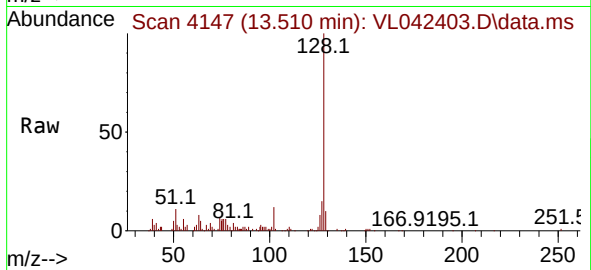
Tgt Ion:128 Resp: 39534

Ion Ratio Lower Upper

128 100

127 15.2 10.6 15.8

129 10.4 8.6 12.8



#81

1,2,4-Trichlorobenzene

Concen: 0.583 ppbv

RT: 13.384 min Scan# 4108

Delta R.T. -0.058 min

Lab File: VL042403.D

Acq: 21 Apr 2025 14:13

Tgt Ion:180 Resp: 19254

Ion Ratio Lower Upper

180 100

182 8.3 76.8 115.2#

184 0.0 24.6 36.8#

