

Data File : VL037938.D

Acq On : 1 Nov 2021 11:53

Operator : SY/AP

Sample : VSTDIC0.1

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Quant Time: Nov 01 12:52:02 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Nov 01 11:08:47 2021

QLast Update : Mon Nov 01 11:08:47 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1591172	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4616333	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4008276	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2961019	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	31897	0.126	ppbv	95
3) Chlorodifluoromethane	2.99	51	39327	0.129	ppbv	95
4) Chloromethane	3.14	50	10008	0.089	ppbv #	68
5) Vinyl Chloride	3.26	62	10392	0.101	ppbv	97
6) Bromomethane	3.48	94	3846	0.069	ppbv #	64
7) Chloroethane	3.56	64	2730	0.072	ppbv #	84
8) Dichlorotetrafluoroethane	3.19	85	22860	0.091	ppbv #	57
9) Propene	3.01	41	6283	0.056	ppbv #	14
11) Trichlorofluoromethane	3.95	101	13720	0.061	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	8414	0.049	ppbv #	1
15) Acetone	3.88	43	11308	0.079	ppbv #	46
16) 1,3-Butadiene	3.33	39	8770	0.084	ppbv #	69
18) 1,1-Dichloroethene	4.29	96	9934	0.127	ppbv	84
20) Methylene Chloride	4.35	84	3432	0.048	ppbv #	21
21) Allyl Chloride	4.40	41	4931	0.039	ppbv #	1
22) trans-1,2-Dichloroethene	4.88	96	4760	0.061	ppbv #	23
24) 1,1-Dichloroethane	5.01	63	9615	0.062	ppbv #	97
27) Carbon Disulfide	4.55	76	10149	0.058	ppbv #	1
29) Chloroform	5.74	83	21979	0.078	ppbv #	82
31) cis-1,2-Dichloroethene	5.54	61	6220	0.035	ppbv #	83
32) 1,1,1-Trichloroethane	6.51	97	8995	0.034	ppbv #	22
36) Benzene	6.88	78	15590	0.040	ppbv	96
37) 1,2-Dichloroethane	6.30	62	12867	0.069	ppbv #	94
38) Trichloroethene	7.83	130	9129	0.059	ppbv #	76
39) 1,2-Dichloropropane	7.17	63	1077485	7.265	ppbv #	28
42) Bromodichloromethane	7.78	83	9750	0.036	ppbv #	78
56) 1,1,1,2-Tetrachloroethane	12.11	131	7787	0.047	ppbv #	1
57) Chlorobenzene	12.13	112	22982	0.070	ppbv #	63
58) Ethyl Benzene	12.69	91	19772	0.037	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.66	83	14026	0.041	ppbv #	1
64) n-propylbenzene	15.55	120	5055	0.033	ppbv #	1
67) sec-Butylbenzene	17.29	105	33456	0.045	ppbv #	78
70) n-Butylbenzene	18.54	91	25544	0.045	ppbv #	85
71) 2-Chlorotoluene	15.43	91	13485	0.031	ppbv #	11
75) 1,3-Dichlorobenzene	16.98	146	13261	0.045	ppbv #	2
76) 1,4-Dichlorobenzene	17.12	146	11768	0.042	ppbv #	2
77) 1,2-Dichlorobenzene	17.81	146	12601	0.044	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	14617	0.063	ppbv #	19

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

Data File : VL037938.D

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Operator : SY/AP

Sample : VSTDICC0.1

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

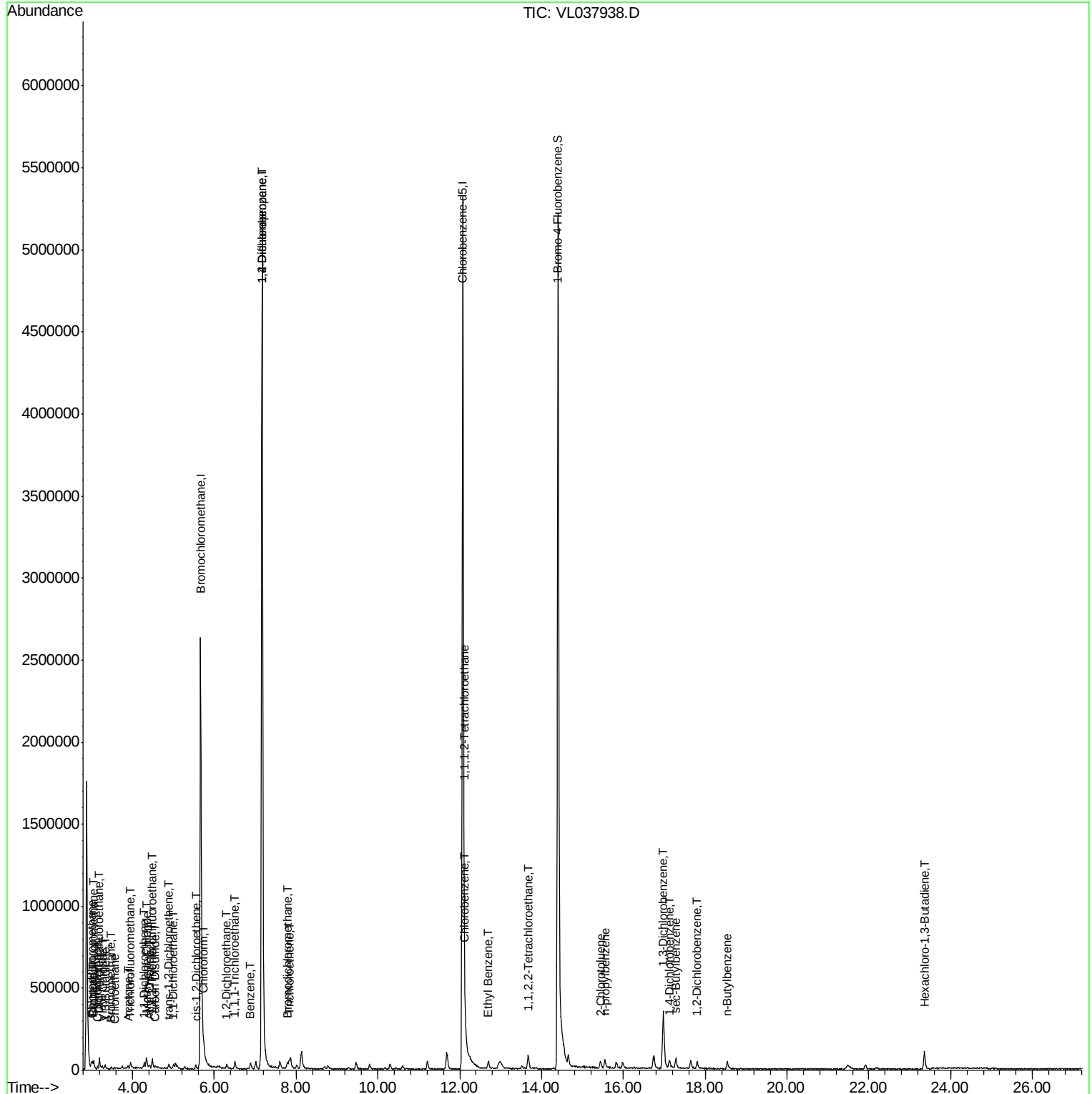
Quant Time: Nov 01 12:52:02 2021

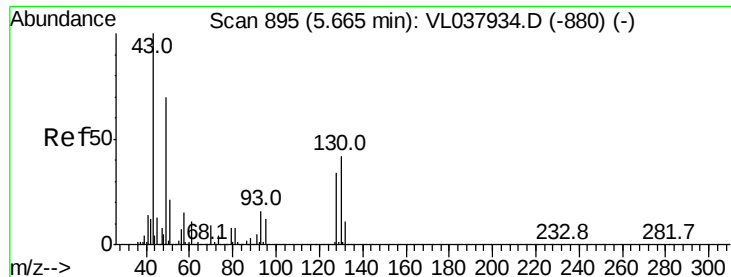
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Nov 01 11:08:47 2021

QLast Update : Mon Nov 01 11:08:47 2021

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 1 Nov 2021 11:55

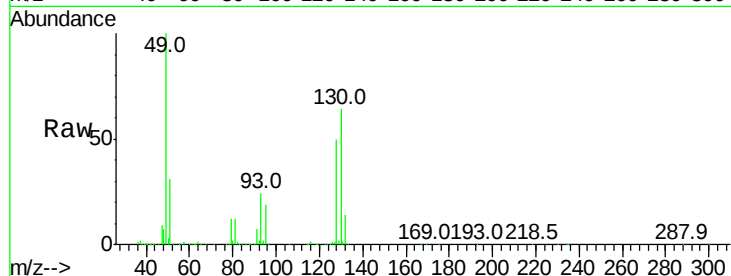
Tgt Ion: 49 Resp: 1591172

Ion Ratio Lower Upper

49 100

128 53.2 27.0 81.0

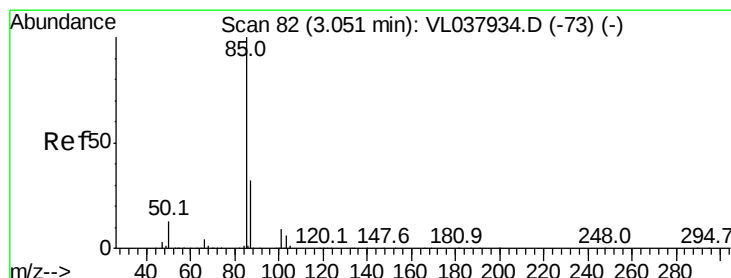
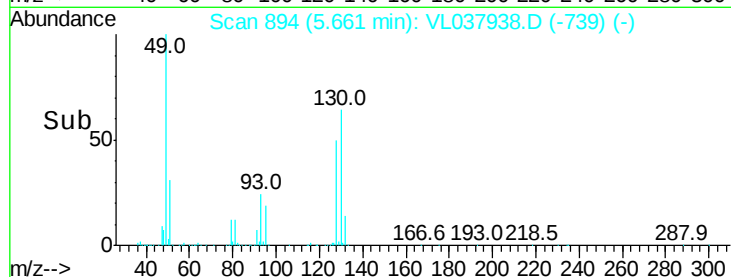
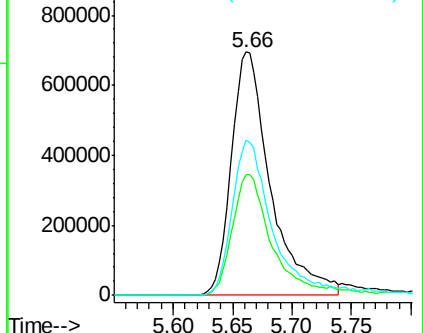
130 67.5 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.126 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037938.D

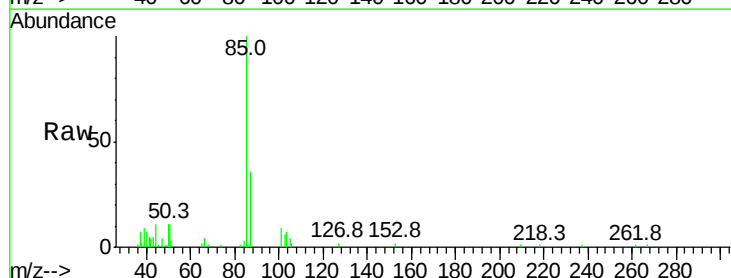
Acq: 1 Nov 2021 11:53

Tgt Ion: 85 Resp: 31897

Ion Ratio Lower Upper

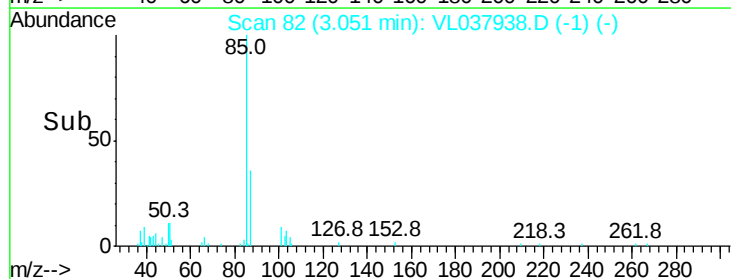
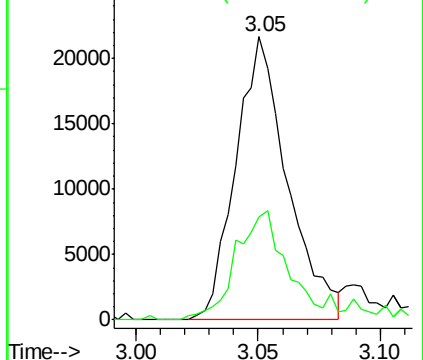
85 100

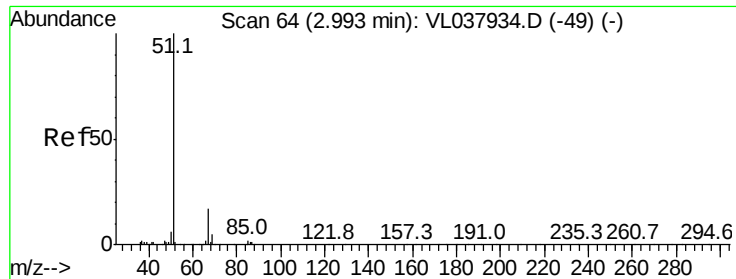
87 34.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.129 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC0.1

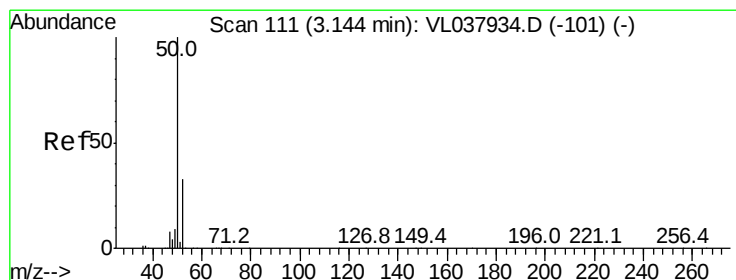
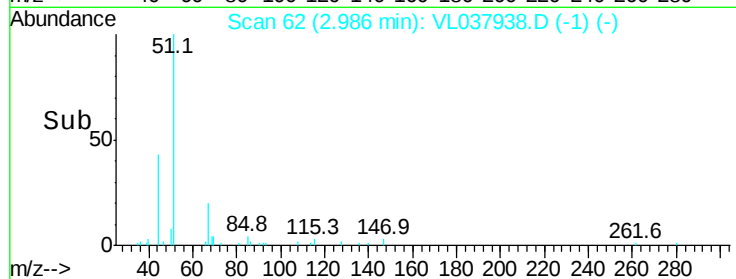
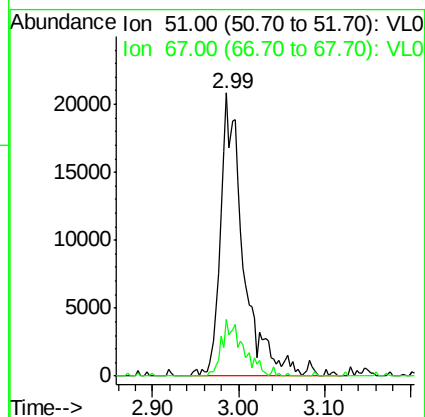
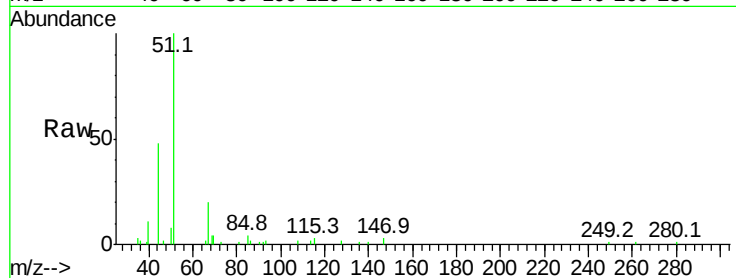
Acq: 1 Nov 2021 11:55

Tgt Ion: 51 Resp: 39327

Ion Ratio Lower Upper

51 100

67 18.8 13.4 20.0



#4

Chloromethane

Concen: 0.089 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037938.D

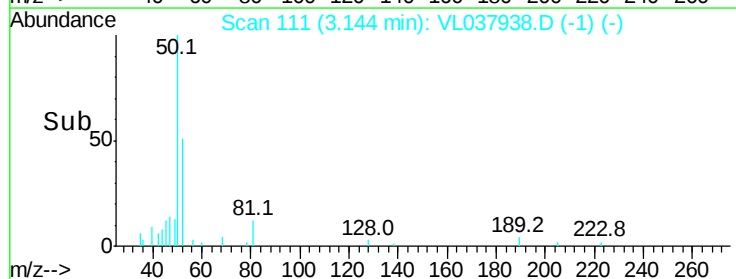
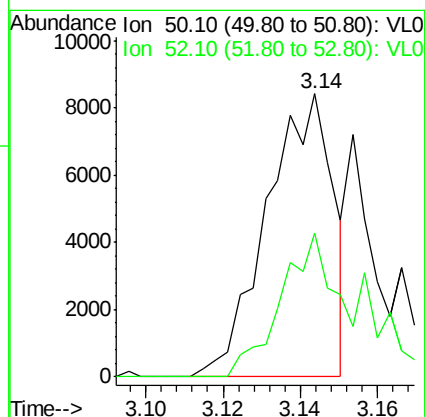
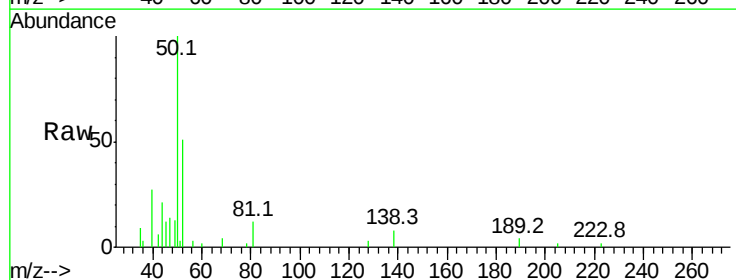
Acq: 1 Nov 2021 11:53

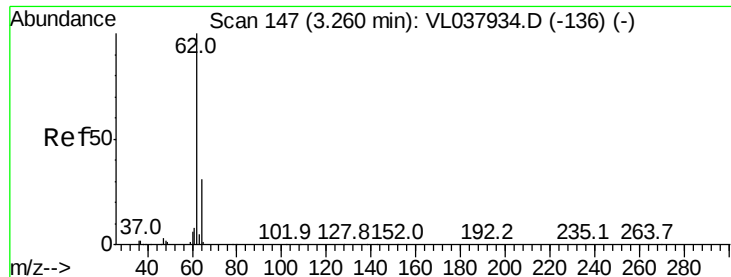
Tgt Ion: 50 Resp: 10008

Ion Ratio Lower Upper

50 100

52 50.8 26.3 39.5#





#5

Vinyl Chloride

Concen: 0.101 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

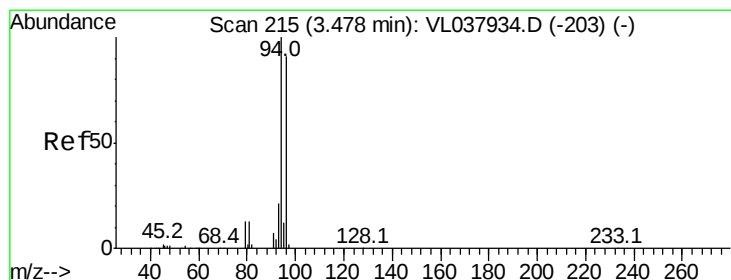
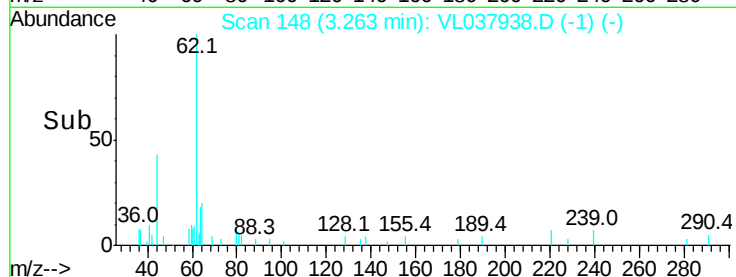
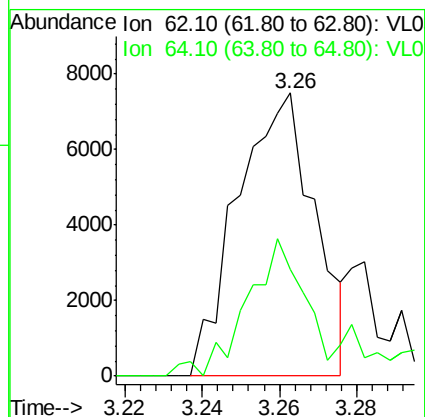
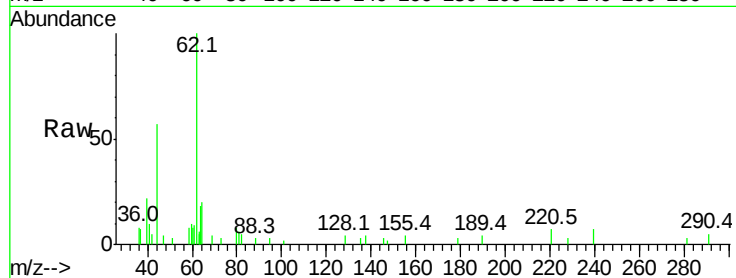
Acq: 1 Nov 2021 11:53

Tgt Ion: 62 Resp: 10392

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1



#6

Bromomethane

Concen: 0.069 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037938.D

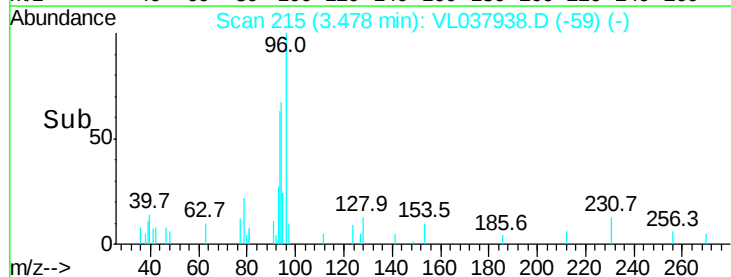
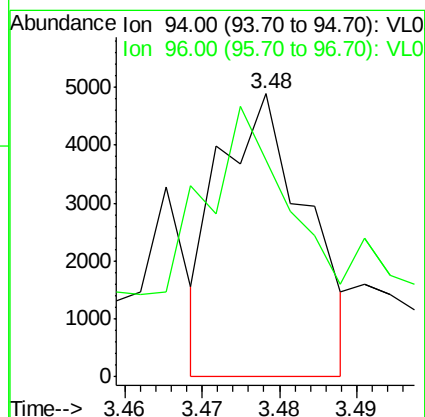
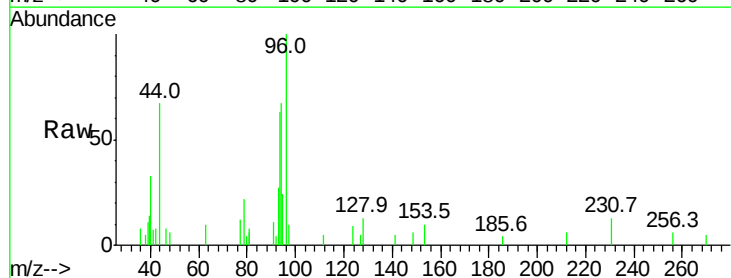
Acq: 1 Nov 2021 11:53

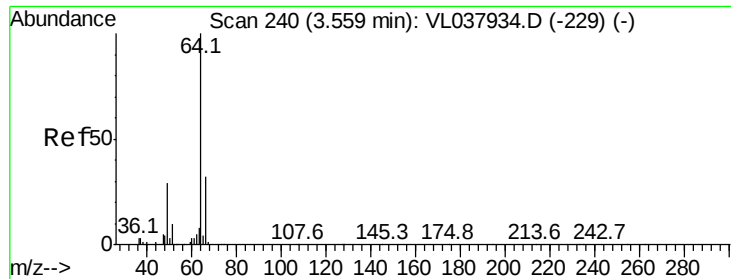
Tgt Ion: 94 Resp: 3846

Ion Ratio Lower Upper

94 100

96 57.1 73.0 109.4#





#7

Chloroethane

Concen: 0.072 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

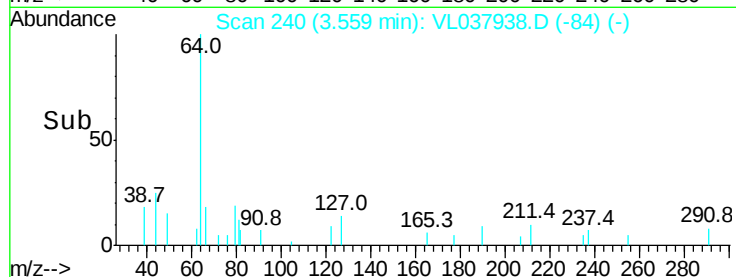
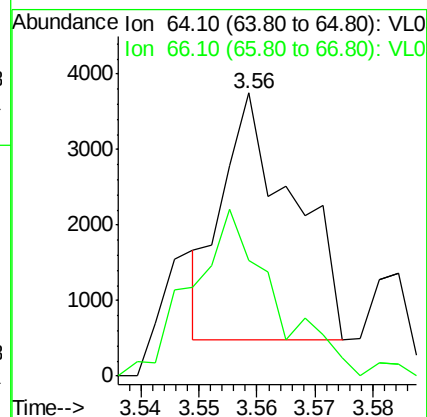
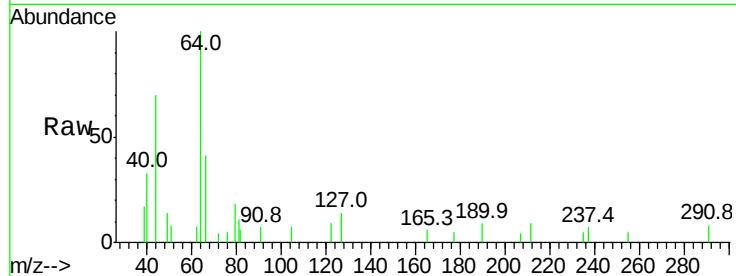
Acq: 1 Nov 2021 11:53

Tgt Ion: 64 Resp: 2730

Ion Ratio Lower Upper

64 100

66 40.7 25.5 38.3#



#8

Dichlorotetrafluoroethane

Concen: 0.091 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL037938.D

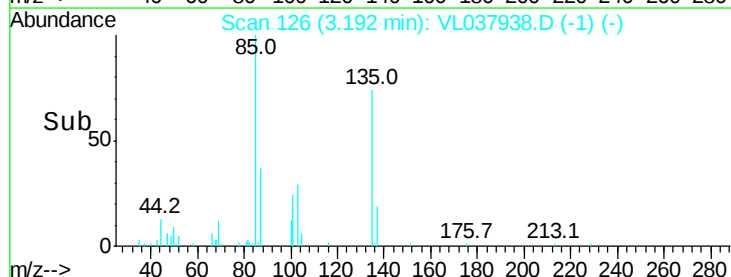
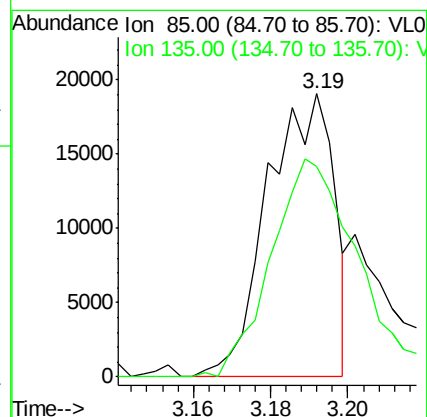
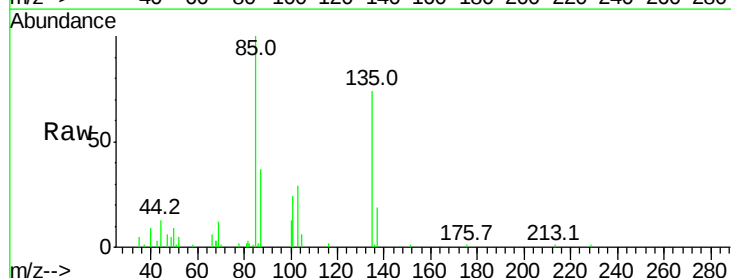
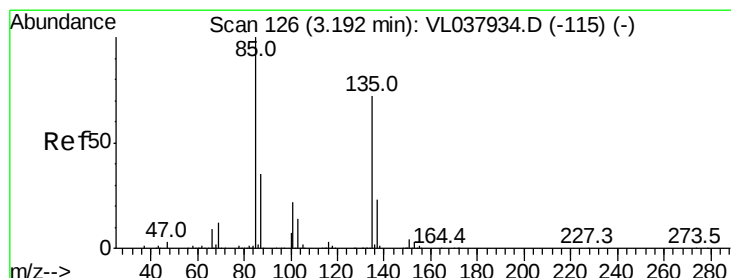
Acq: 1 Nov 2021 11:53

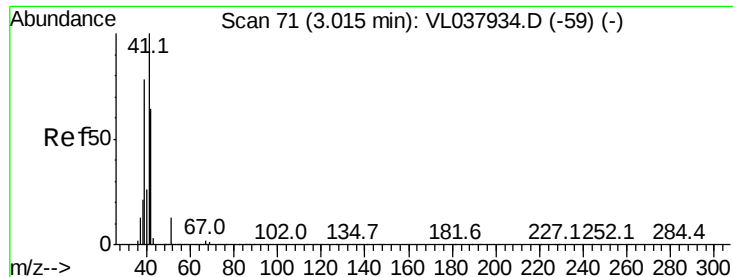
Tgt Ion: 85 Resp: 22860

Ion Ratio Lower Upper

85 100

135 110.0 58.8 88.2#





#9

Propene

Concen: 0.056 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

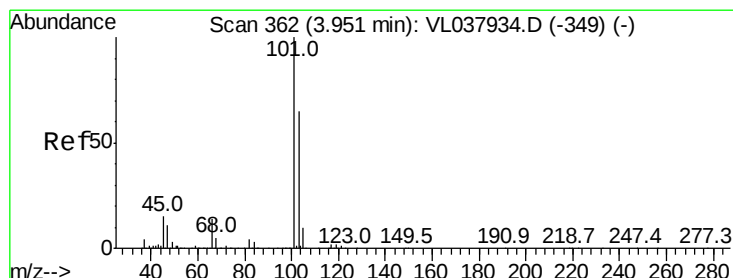
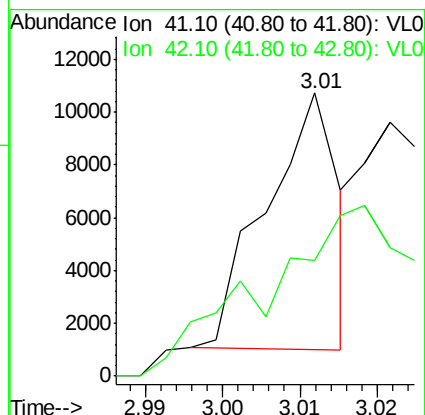
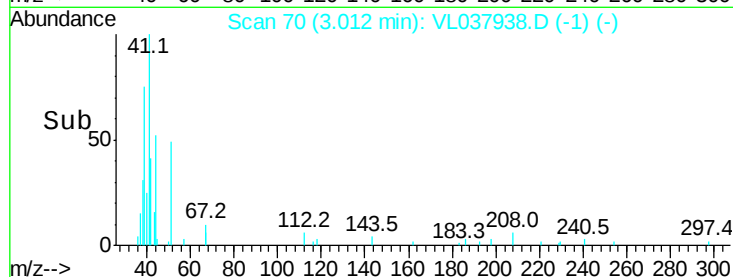
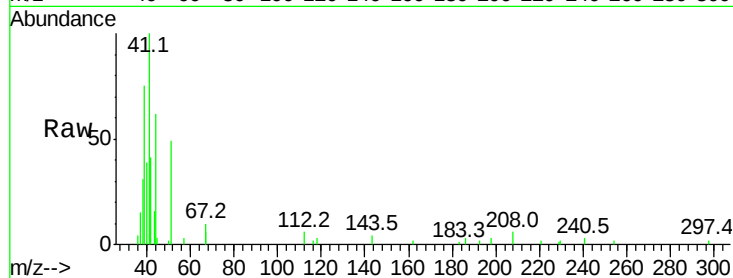
Acq: 1 Nov 2021 11:55

Tgt Ion: 41 Resp: 6283

Ion Ratio Lower Upper

41 100

42 0.0 57.6 86.4#



#11

Trichlorofluoromethane

Concen: 0.061 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037938.D

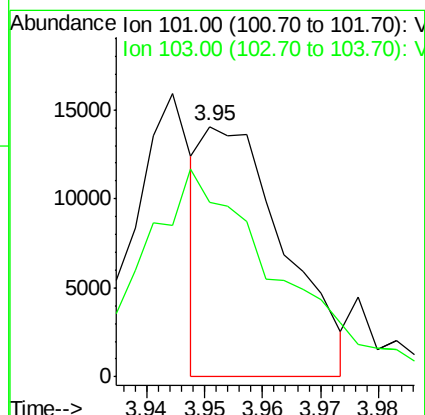
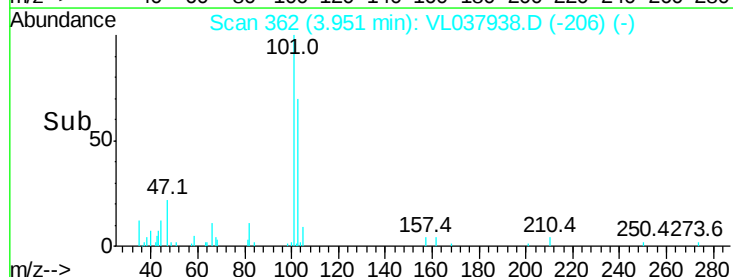
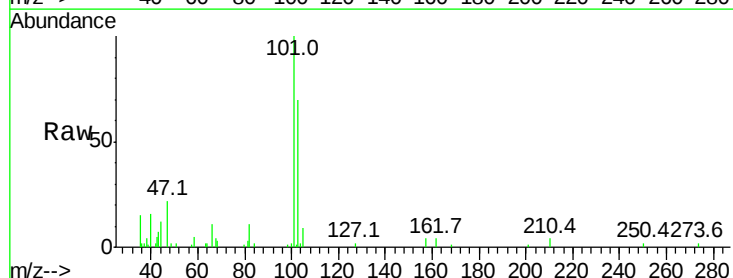
Acq: 1 Nov 2021 11:53

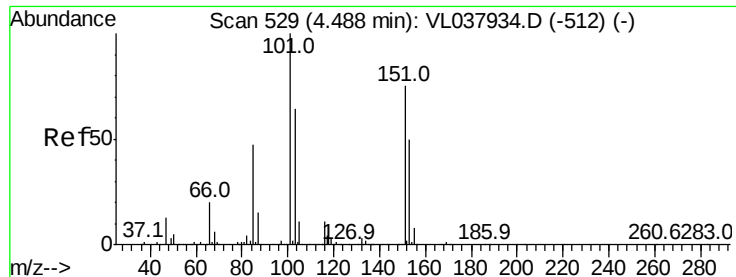
Tgt Ion: 101 Resp: 13720

Ion Ratio Lower Upper

101 100

103 58.8 52.0 78.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.049 ppbv

RT: 4.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

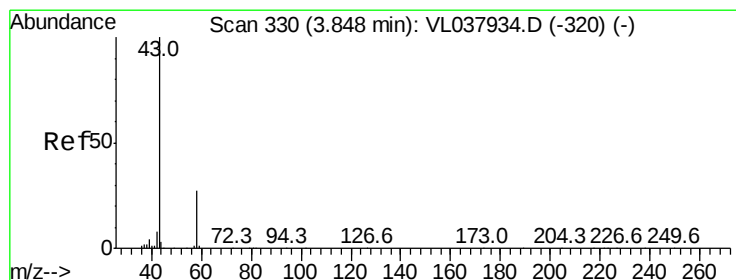
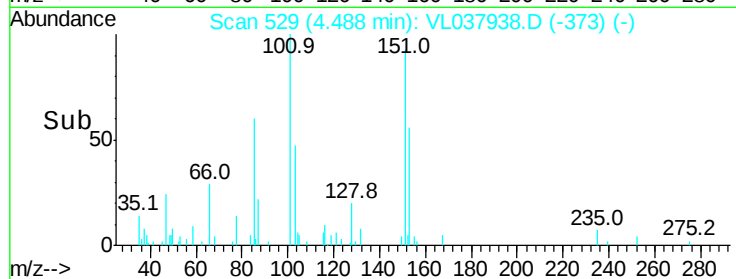
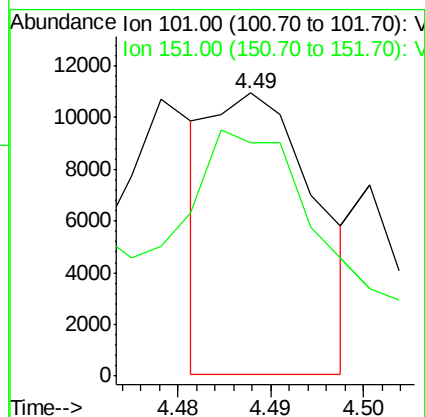
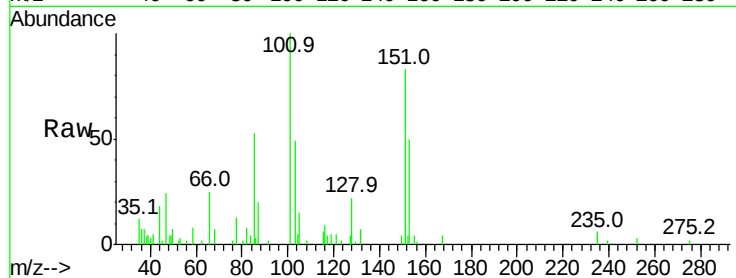
Acq: 1 Nov 2021 11:55 VSTDIC0.1

Tgt Ion: 101 Resp: 8414

Ion Ratio Lower Upper

101 100

151 204.8 61.8 92.8#



#15

Acetone

Concen: 0.079 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.04 min

Lab File: VL037938.D

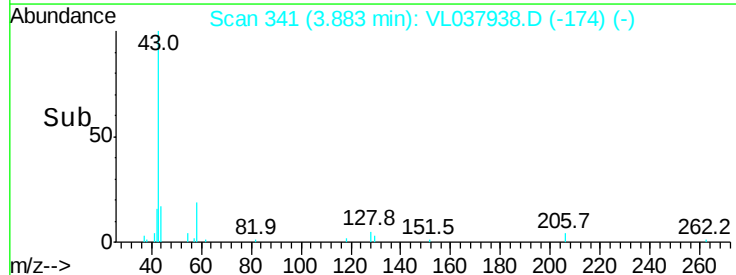
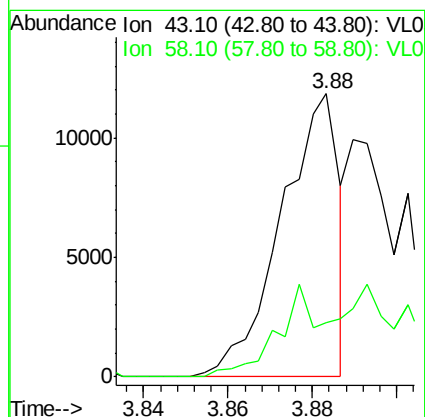
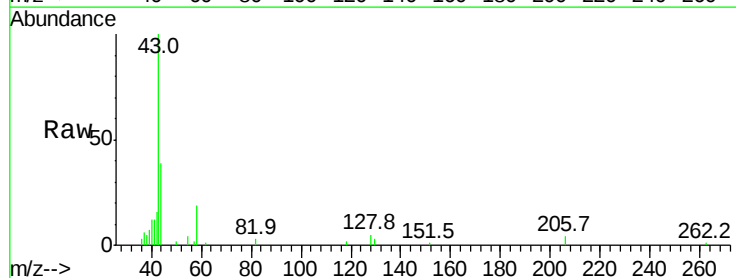
Acq: 1 Nov 2021 11:53

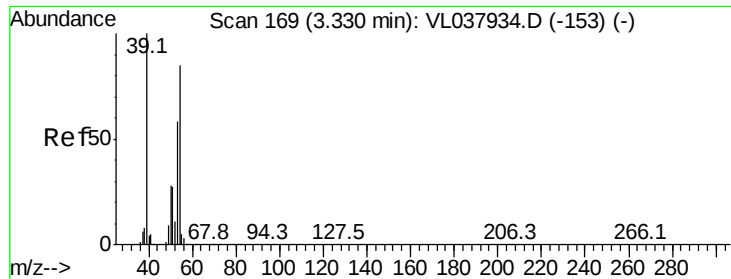
Tgt Ion: 43 Resp: 11308

Ion Ratio Lower Upper

43 100

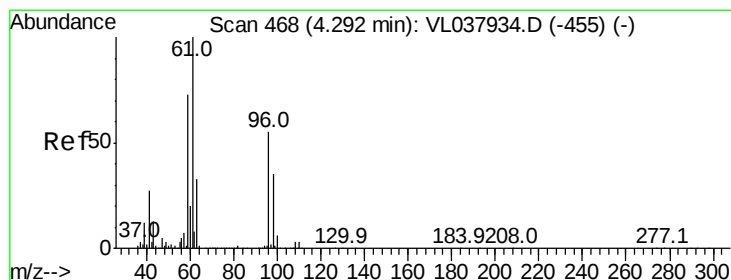
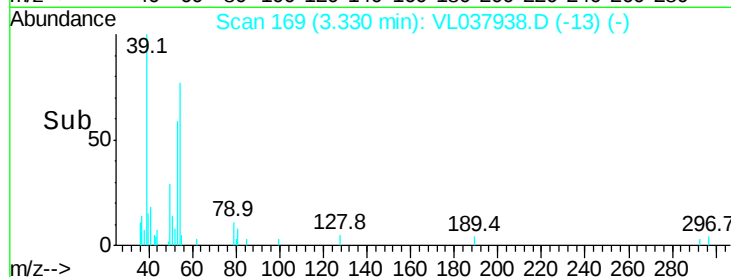
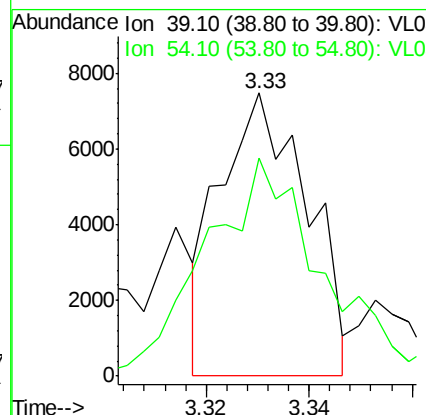
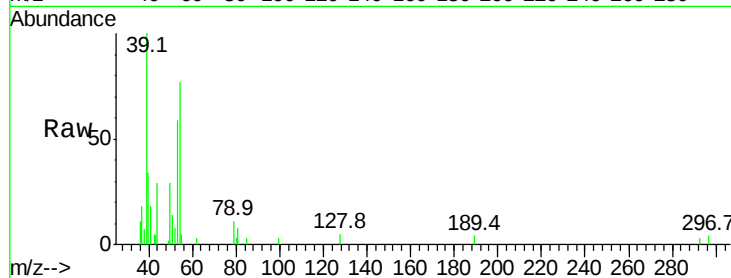
58 0.0 23.3 34.9#





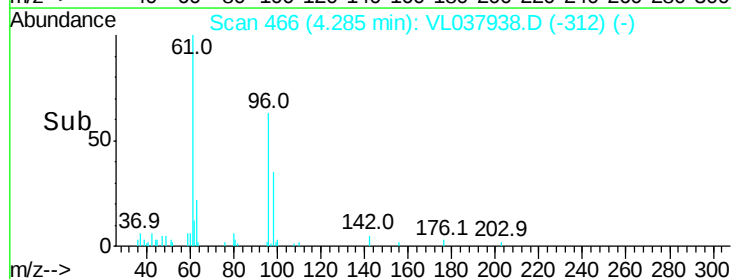
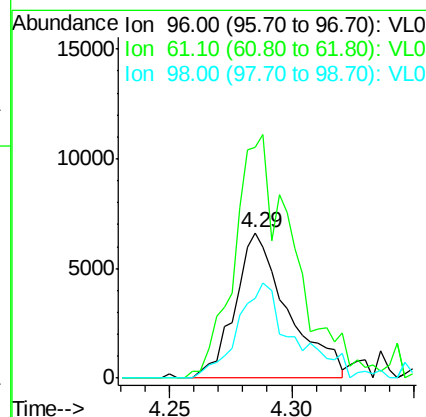
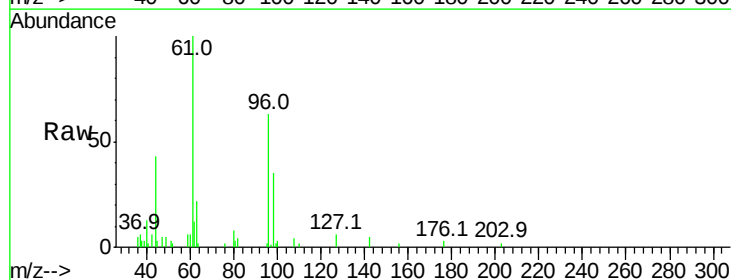
#16
 1,3-Butadiene
 Concen: 0.084 ppbv
 RT: 3.33
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 1 Nov 2021 11:53

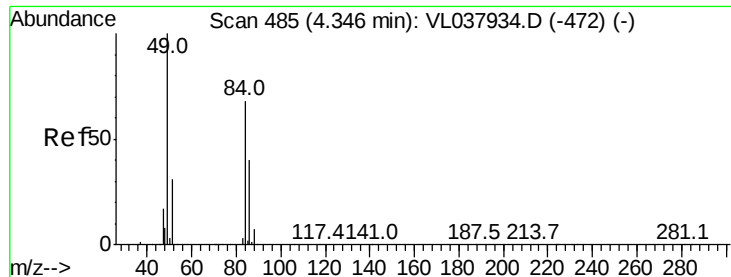
Tgt Ion: 39 Resp: 8770
 Ion Ratio Lower Upper
 39 100
 54 104.8 62.6 93.8#



#18
 1,1-Dichloroethene
 Concen: 0.127 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL037938.D
 Acq: 1 Nov 2021 11:53

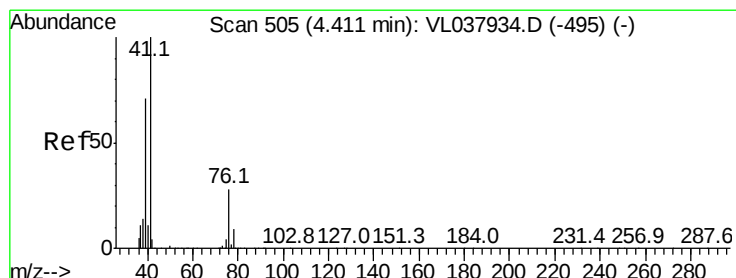
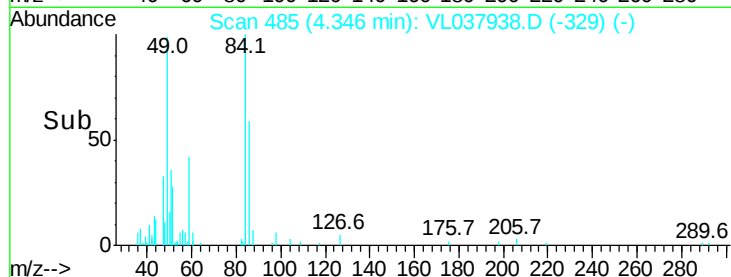
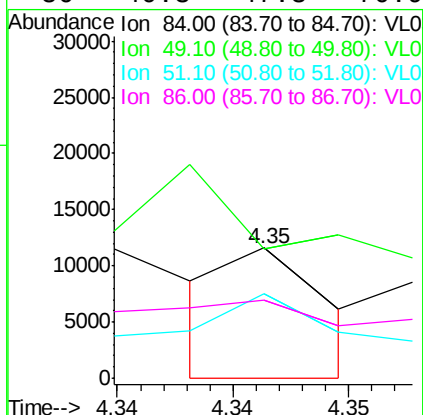
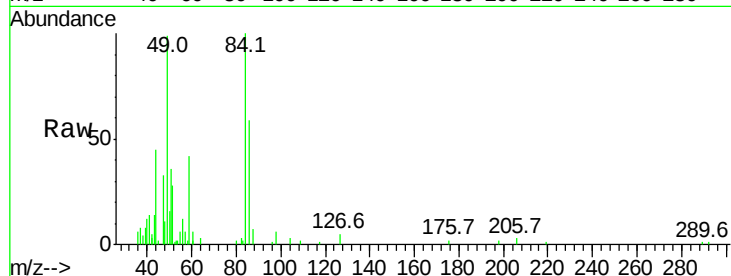
Tgt Ion: 96 Resp: 9934
 Ion Ratio Lower Upper
 96 100
 61 154.2 144.3 216.5
 98 54.9 50.5 75.7





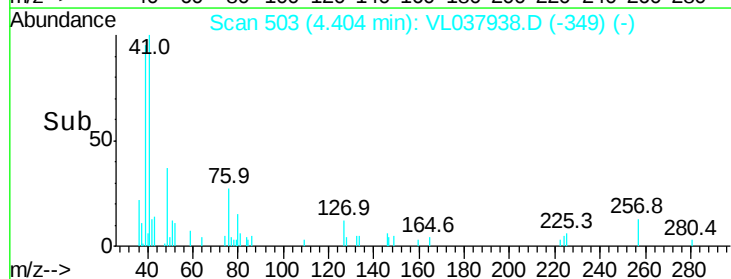
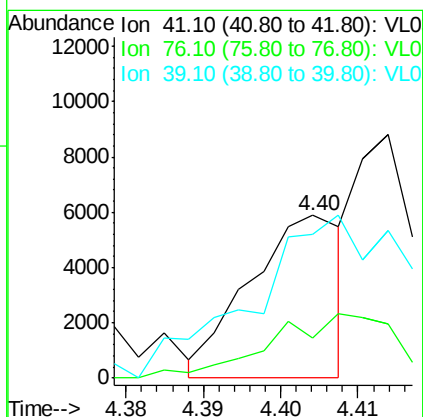
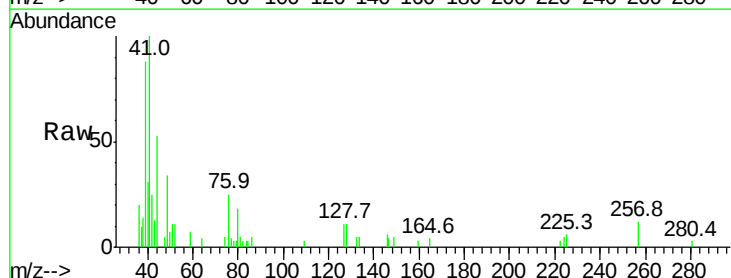
#20
Methylene Chloride
Concen: 0.048 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 1 Nov 2021 11:55

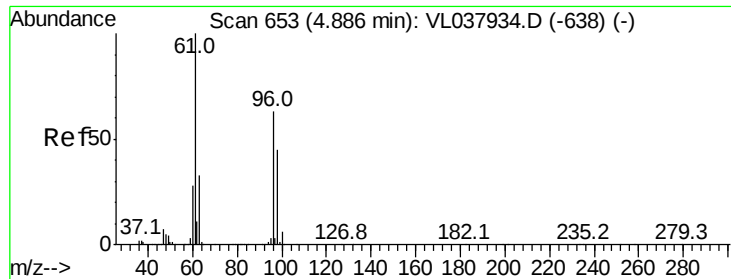
Tgt Ion: 84 Resp: 3432
Ion Ratio Lower Upper
84 100
49 0.0 117.5 176.3#
51 61.6 35.9 53.9#
86 40.3 47.3 70.9#



#21
Allyl Chloride
Concen: 0.039 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL037938.D
Acq: 1 Nov 2021 11:53

Tgt Ion: 41 Resp: 4931
Ion Ratio Lower Upper
41 100
76 81.4 23.6 35.4#
39 265.7 59.7 89.5#





#22

trans-1,2-Dichloroethene

Concen: 0.061 ppbv

RT: 4.88 Instrument: MSVOA_1

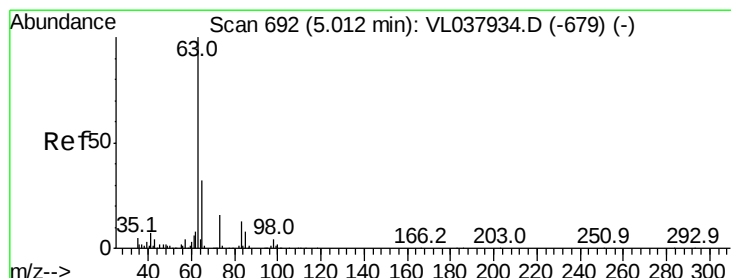
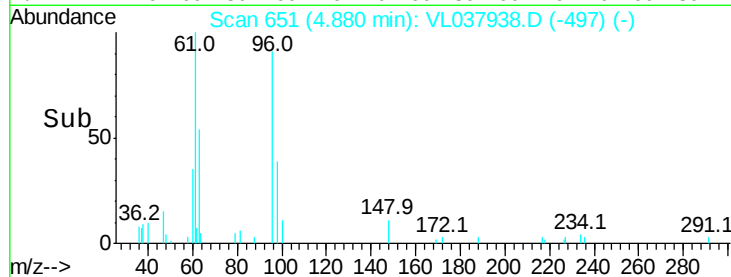
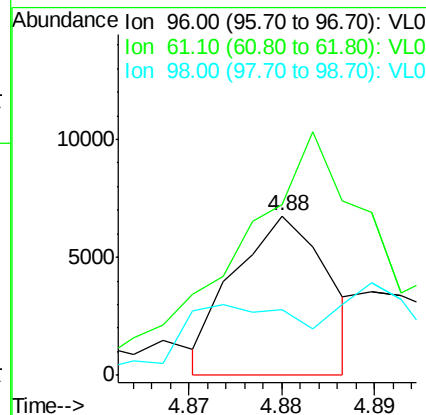
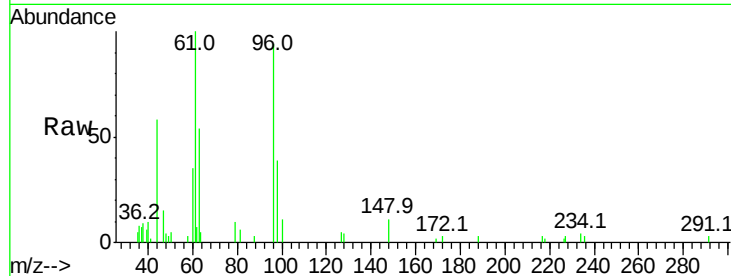
Delta R.T.

Lab File: ClientSampleId:

Acq: 1 Nov 2021 11:55

Tgt Ion: 96 Resp: 4760

Ion	Ratio	Lower	Upper
96	100		
61	62.3	127.8	191.6#
98	1.3	56.9	85.3#



#24

1,1-Dichloroethane

Concen: 0.062 ppbv

RT: 5.01 min Scan# 691

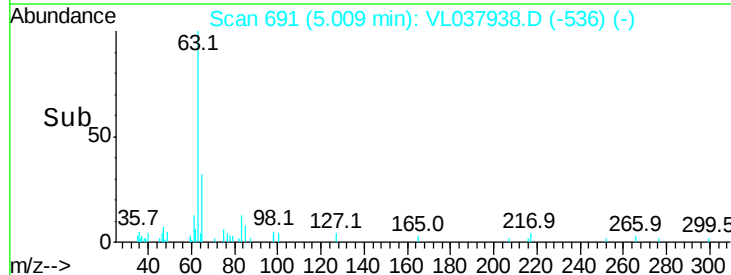
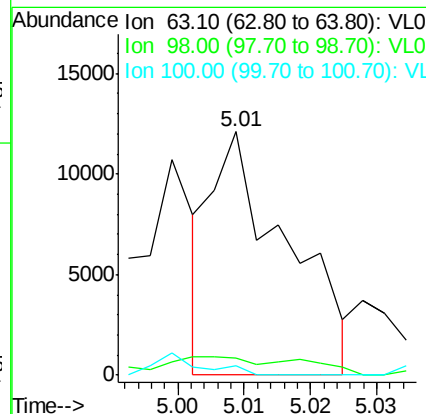
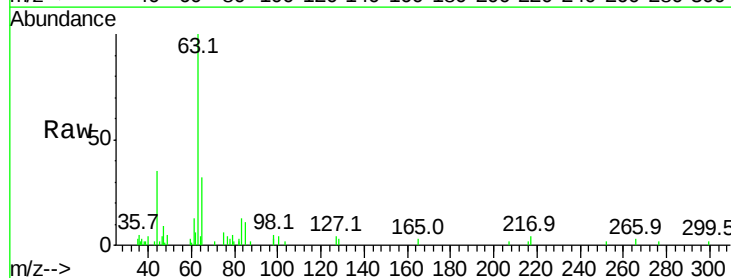
Delta R.T. -0.00 min

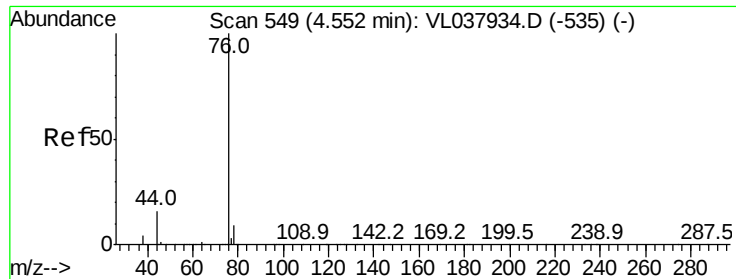
Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

Tgt Ion: 63 Resp: 9615

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.3	6.9
100	4.8	1.2	3.6#





#27

Carbon Disulfide

Concen: 0.058 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 1 Nov 2021 11:55

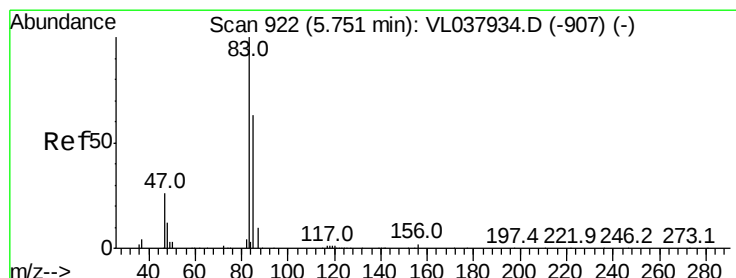
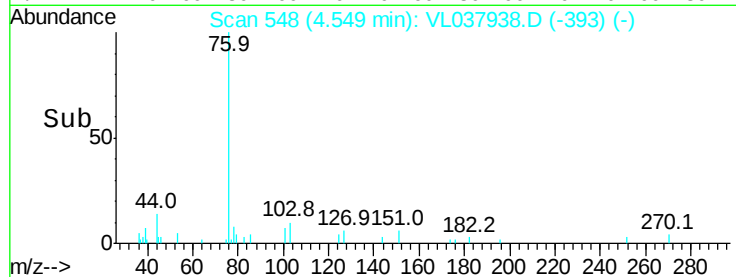
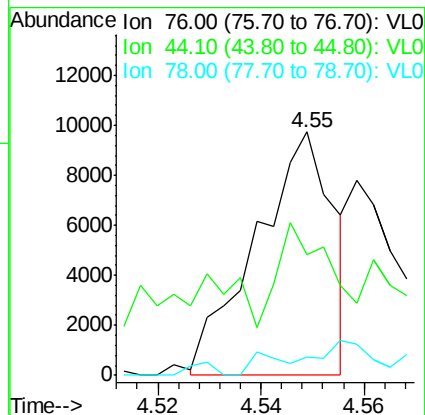
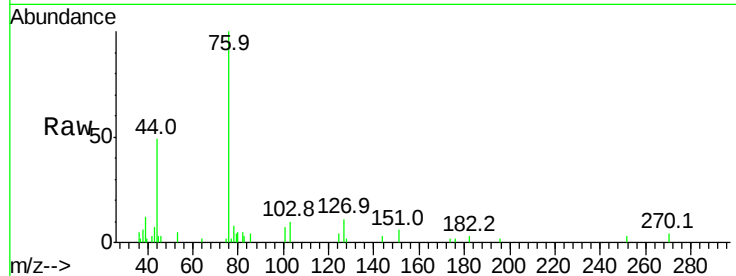
Tgt Ion: 76 Resp: 10149

Ion Ratio Lower Upper

76 100

44 94.9 13.2 19.8#

78 0.0 7.2 10.8#



#29

Chloroform

Concen: 0.078 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL037938.D

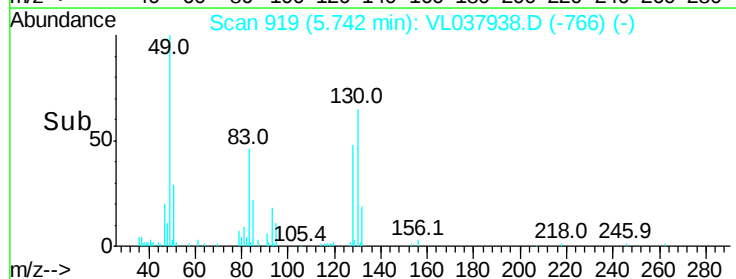
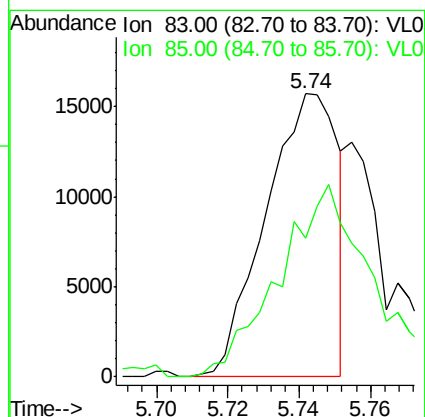
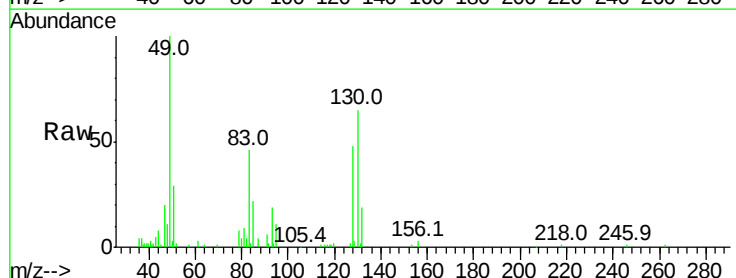
Acq: 1 Nov 2021 11:53

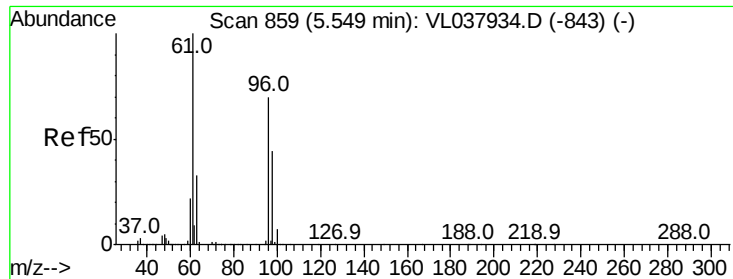
Tgt Ion: 83 Resp: 21979

Ion Ratio Lower Upper

83 100

85 48.9 50.6 76.0#





#31

cis-1,2-Dichloroethene

Concen: 0.035 ppbv

RT: 5.54

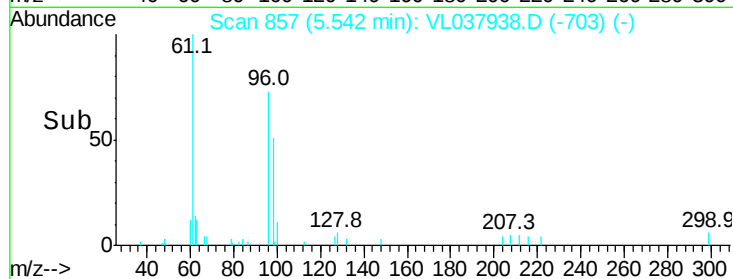
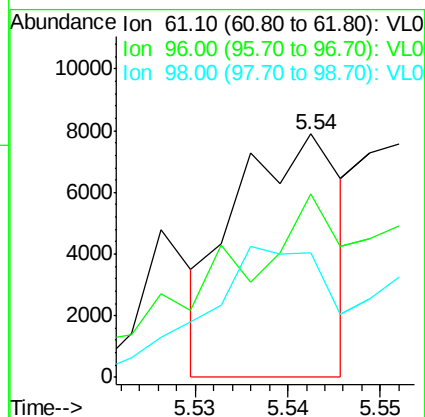
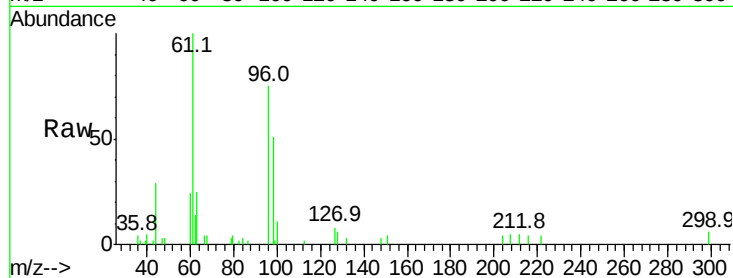
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 11:55

Tgt Ion: 61 Resp: 6220

Ion	Ratio	Lower	Upper
61	100		
96	86.4	55.6	83.4#
98	51.3	34.9	52.3



#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv

RT: 6.51 min Scan# 1158

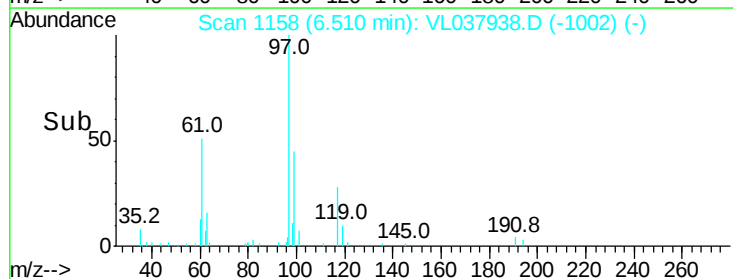
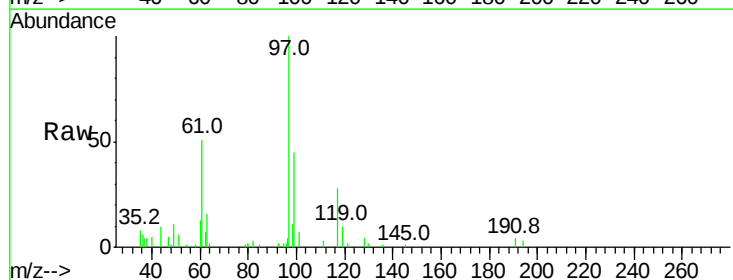
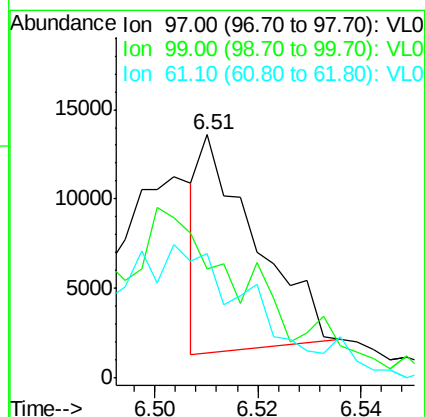
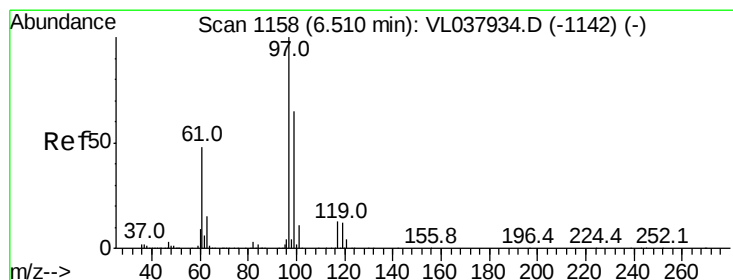
Delta R.T. 0.00 min

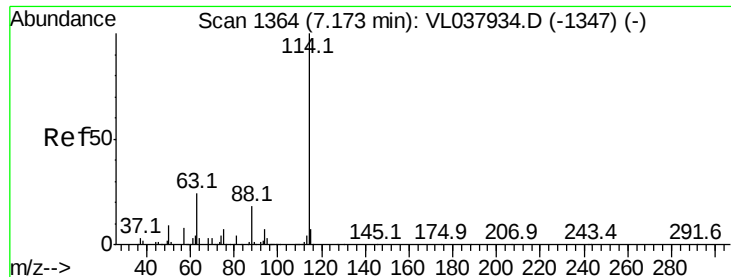
Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

Tgt Ion: 97 Resp: 8995

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.4#
61	0.0	39.8	59.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

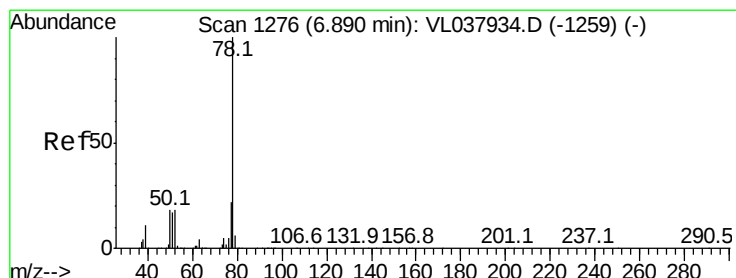
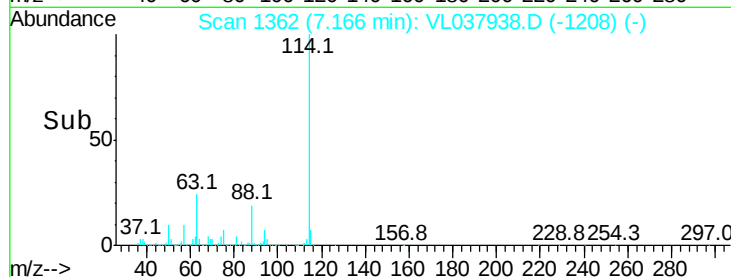
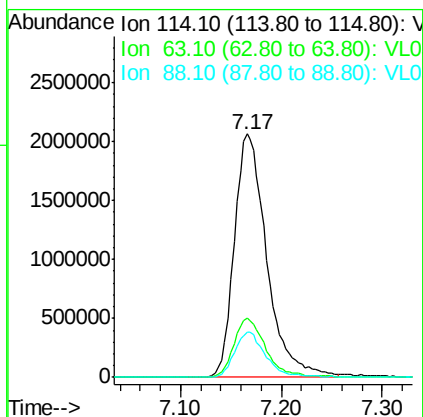
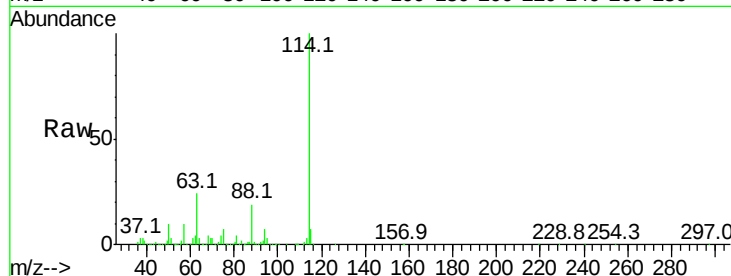
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 1 Nov 2021 11:53

Tgt Ion: 114 Resp: 4616333

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	18.2	14.2	21.4



#36

Benzene

Concen: 0.040 ppbv

RT: 6.88 min Scan# 1272

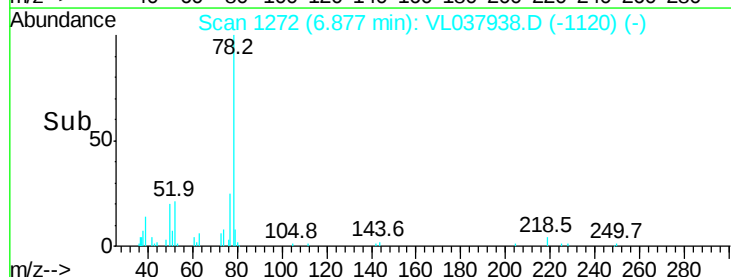
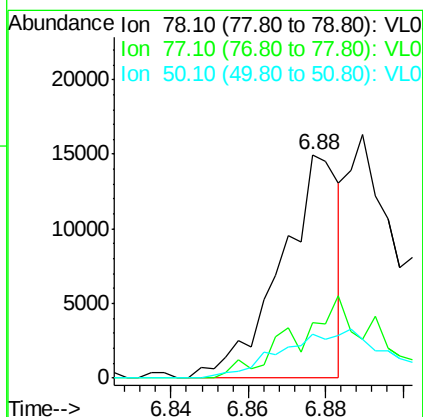
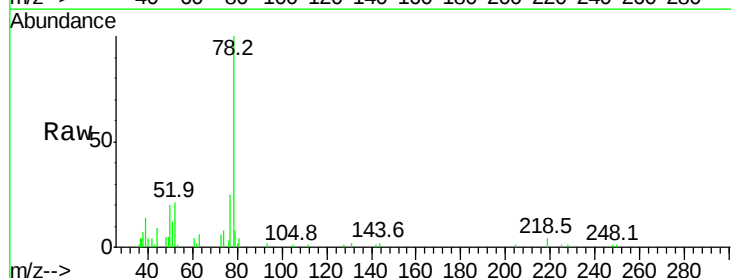
Delta R.T. -0.01 min

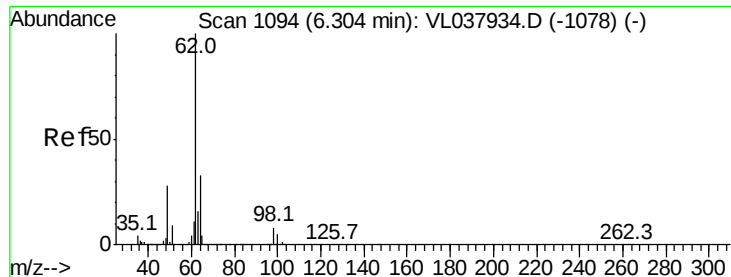
Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

Tgt Ion: 78 Resp: 15590

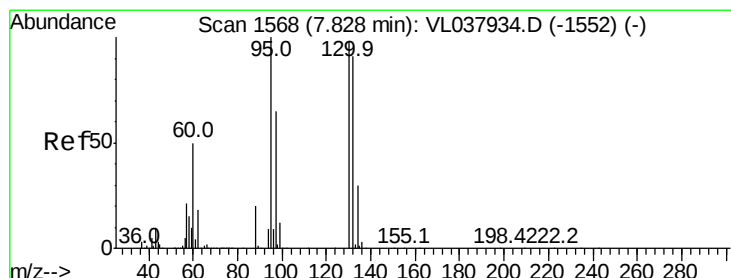
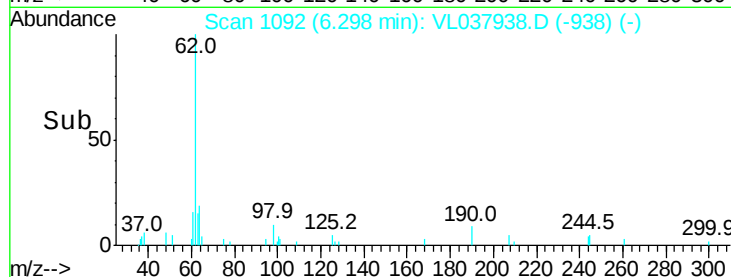
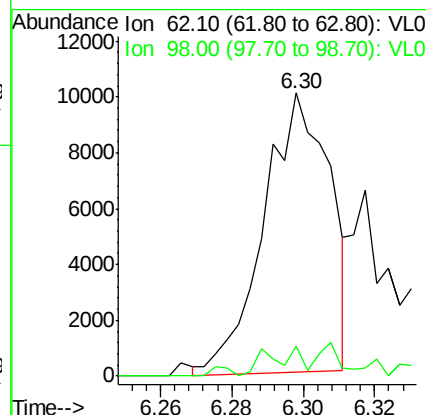
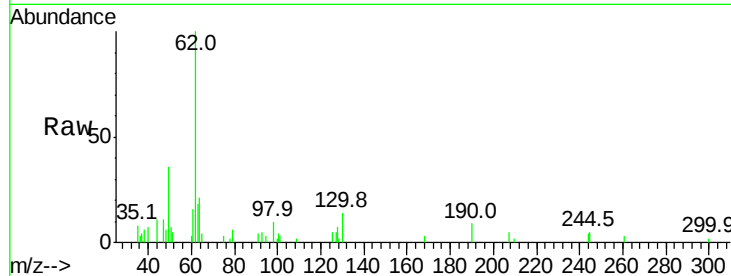
Ion	Ratio	Lower	Upper
78	100		
77	24.6	17.9	26.9
50	19.6	14.4	21.6





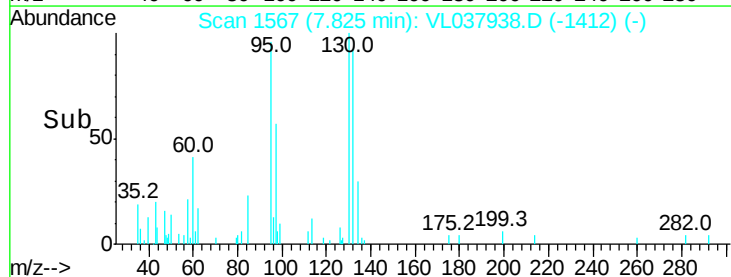
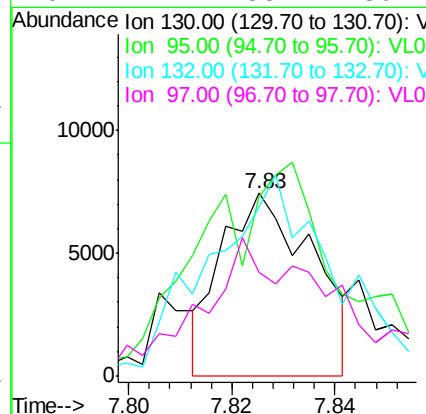
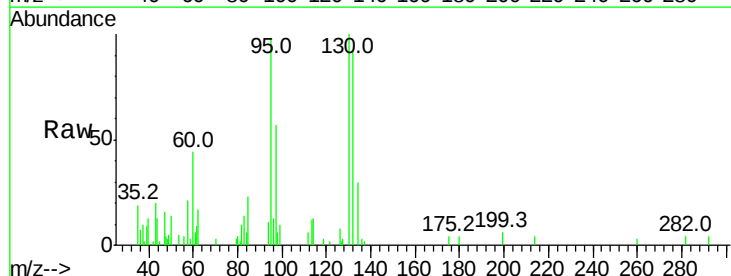
#37
 1,2-Dichloroethane
 Concen: 0.069 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 1 Nov 2021 11:55

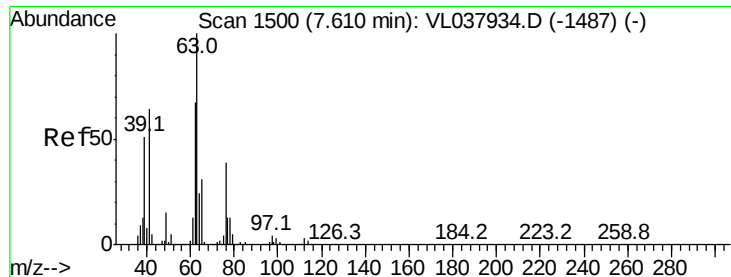
Tgt Ion: 62 Resp: 12867
 Ion Ratio Lower Upper
 62 100
 98 6.0 6.5 9.7#



#38
 Trichloroethene
 Concen: 0.059 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL037938.D
 Acq: 1 Nov 2021 11:53

Tgt Ion: 130 Resp: 9129
 Ion Ratio Lower Upper
 130 100
 95 83.7 81.8 122.8
 132 82.1 74.2 111.2
 97 27.2 53.4 80.2#





#39

1,2-Dichloropropane

Concen: 7.265 ppbv

RT: 7.17 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 1 Nov 2021 11:55

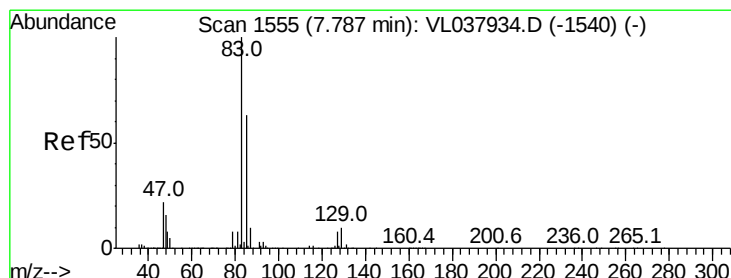
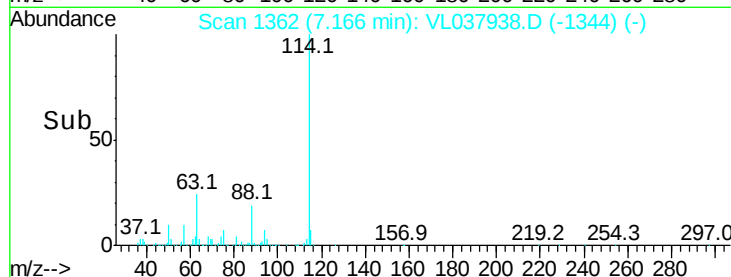
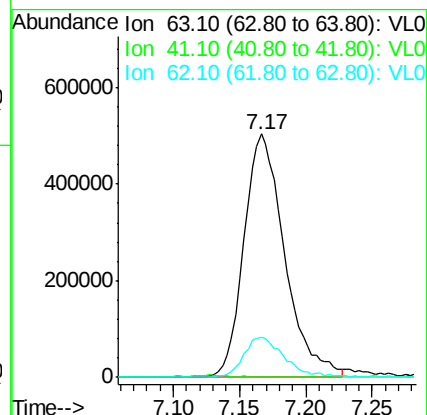
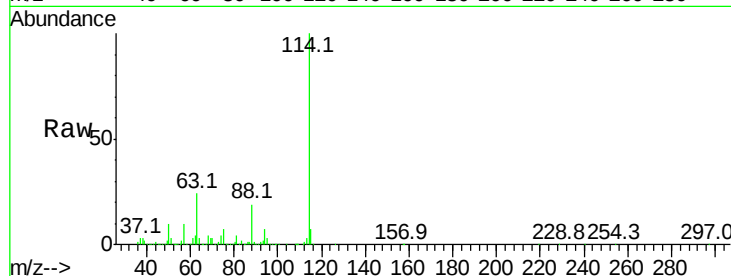
Tgt Ion: 63 Resp: 1077485

Ion Ratio Lower Upper

63 100

41 0.2 51.6 77.4#

62 16.4 53.5 80.3#



#42

Bromodichloromethane

Concen: 0.036 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

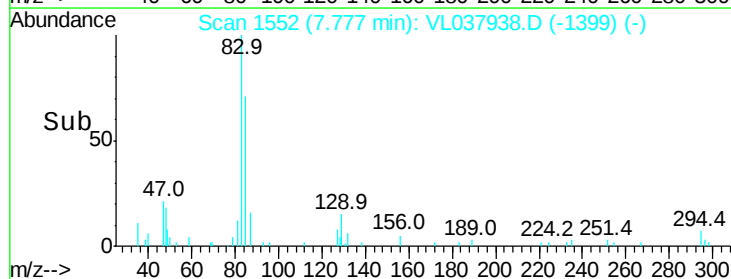
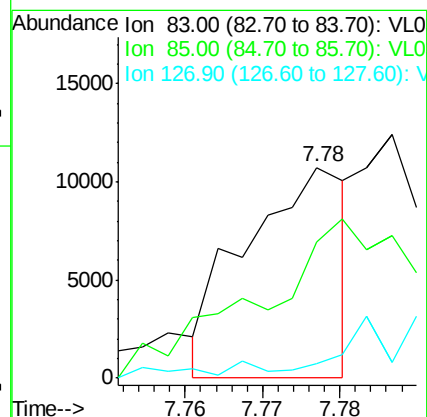
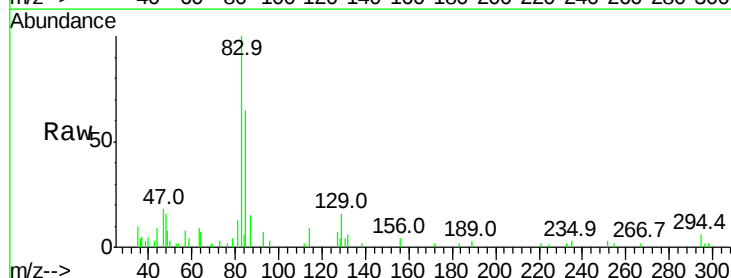
Tgt Ion: 83 Resp: 9750

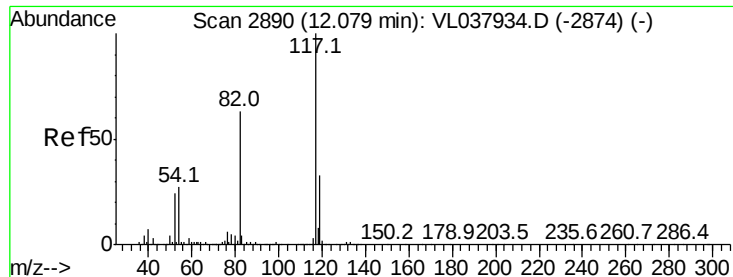
Ion Ratio Lower Upper

83 100

85 44.8 50.1 75.1#

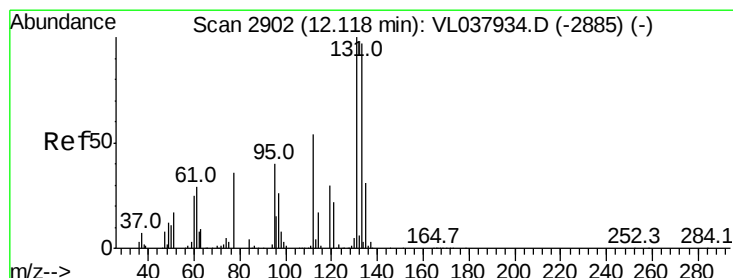
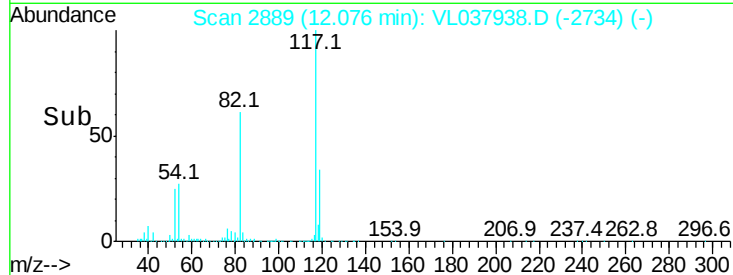
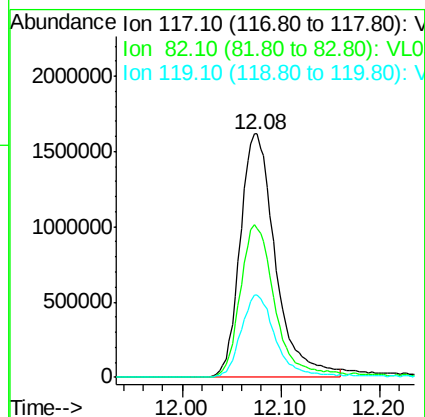
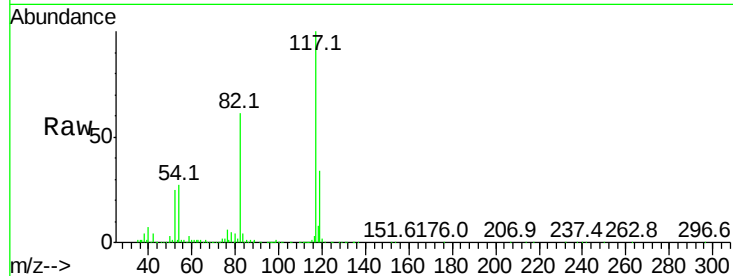
127 2.7 6.1 9.1#





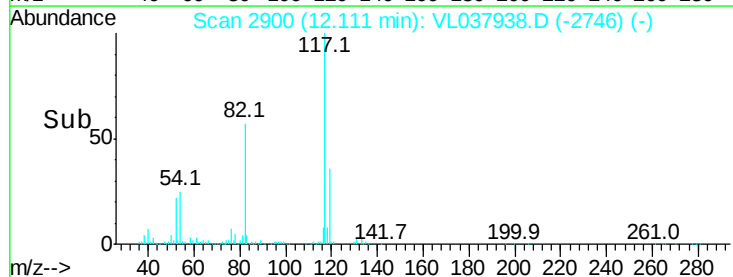
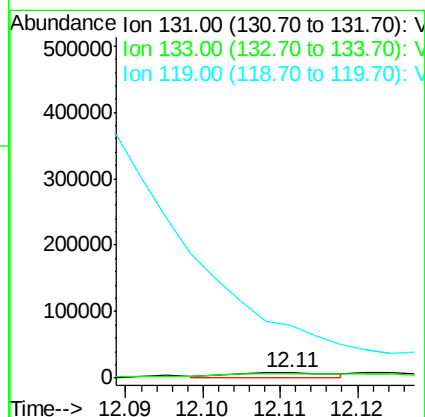
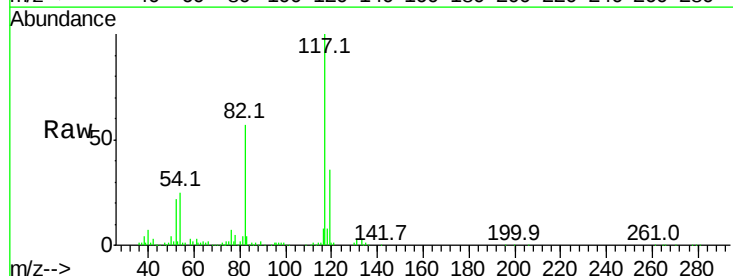
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.1
Acq: 1 Nov 2021 11:55

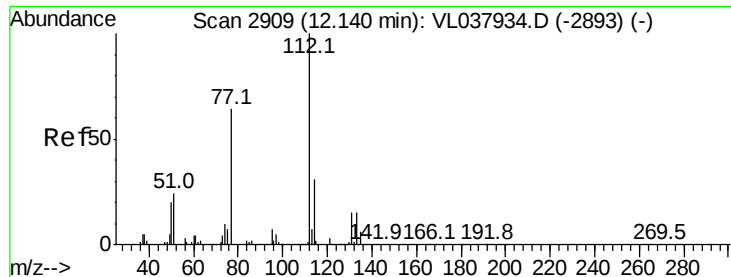
Tgt Ion:117 Resp: 4008276
Ion Ratio Lower Upper
117 100
82 64.1 51.0 76.6
119 34.7 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.047 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL037938.D
Acq: 1 Nov 2021 11:53

Tgt Ion:131 Resp: 7787
Ion Ratio Lower Upper
131 100
133 0.0 79.6 119.4#
119 0.0 125.4 188.2#





#57

Chlorobenzene

Concen: 0.070 ppbv

RT: 12.13

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 11:55

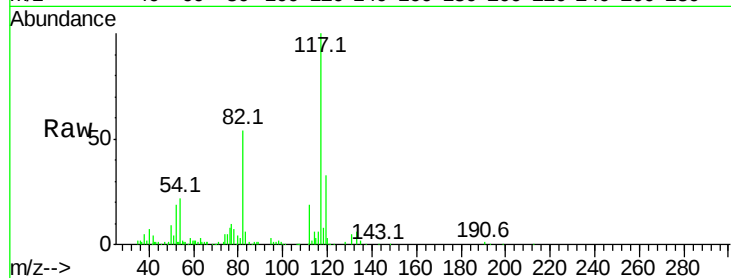
Tgt Ion: 112 Resp: 22982

Ion Ratio Lower Upper

112 100

77 25.0 51.1 76.7#

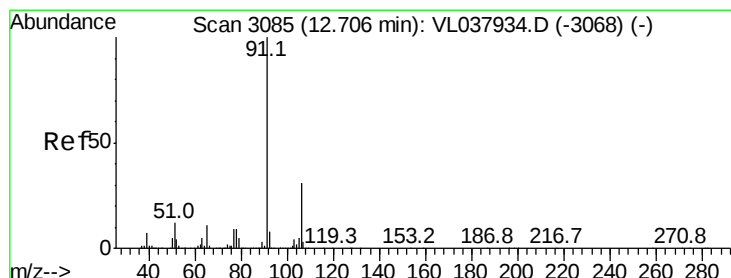
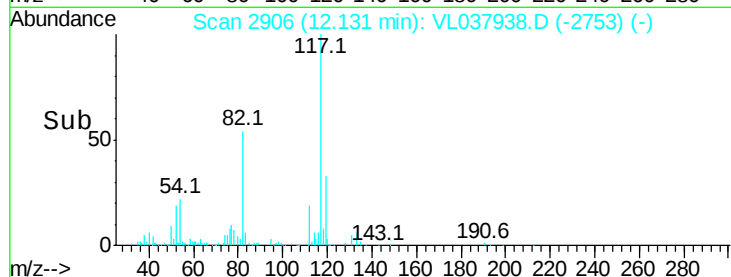
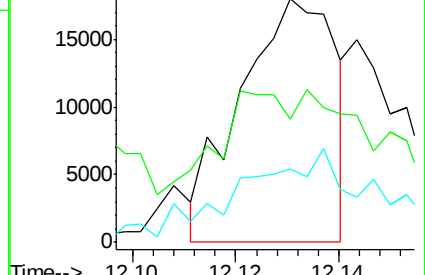
114 25.6 27.9 34.1#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.037 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.01 min

Lab File: VL037938.D

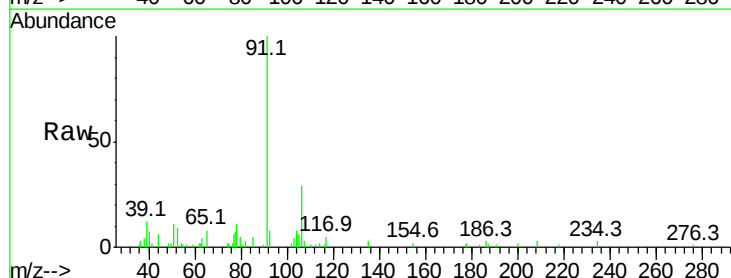
Acq: 1 Nov 2021 11:53

Tgt Ion: 91 Resp: 19772

Ion Ratio Lower Upper

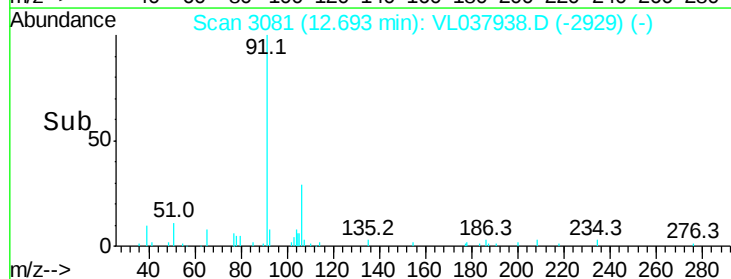
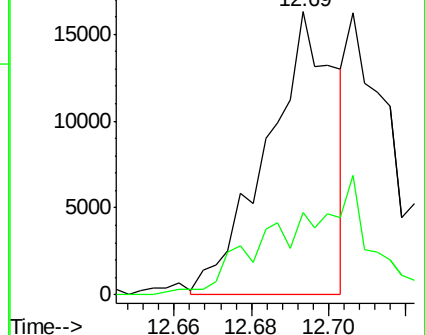
91 100

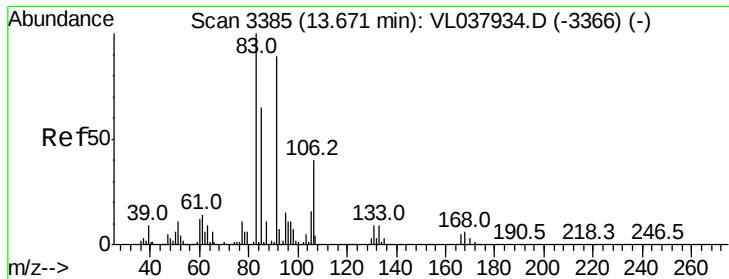
106 27.7 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.041 ppbv

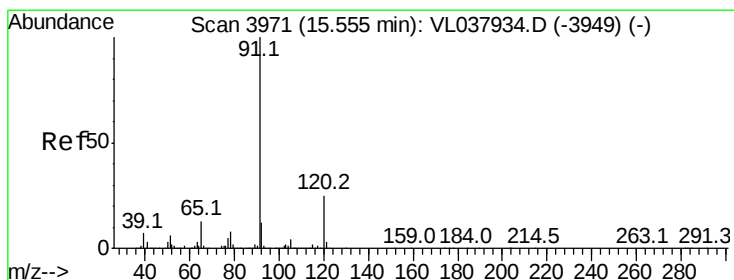
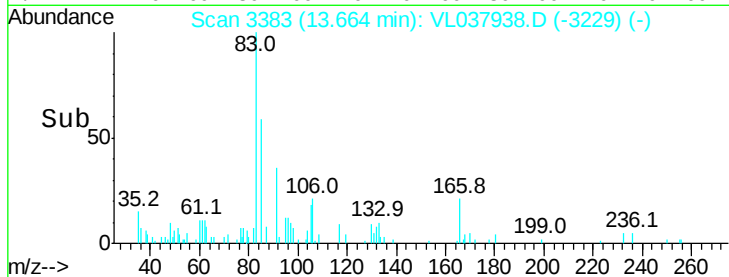
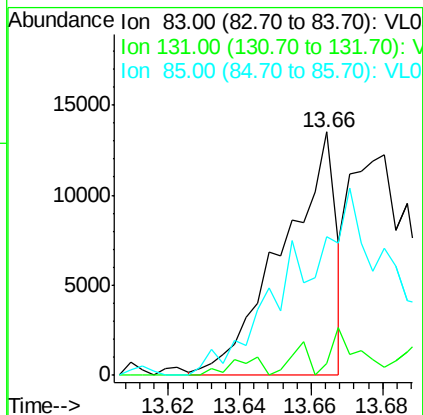
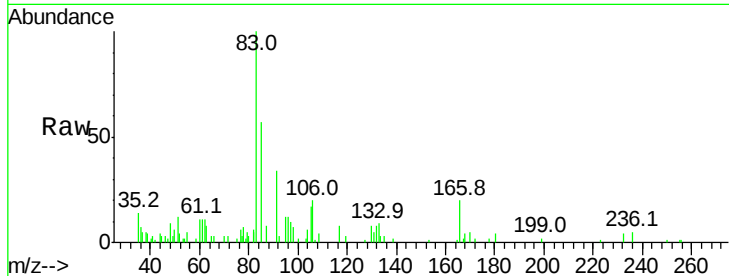
RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 11:55

Tgt Ion:	83	Resp:	14026
Ion	Ratio	Lower	Upper
83	100		
131	31.3	4.8	14.4#
85	162.7	32.5	97.5#



#64

n-propylbenzene

Concen: 0.033 ppbv

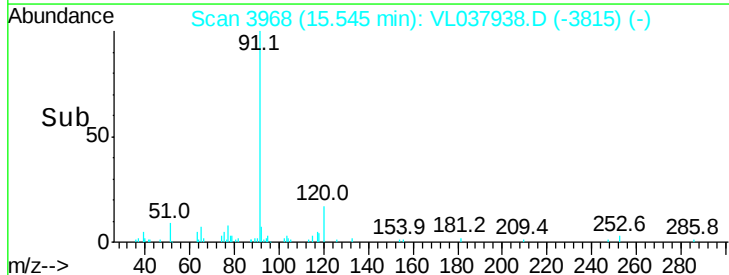
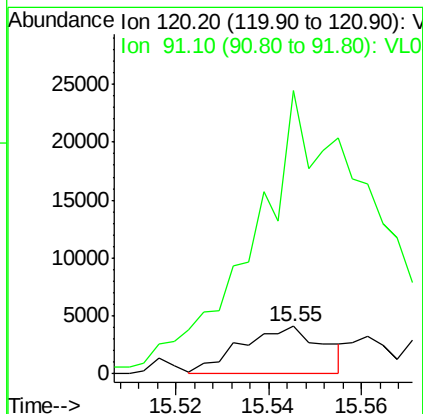
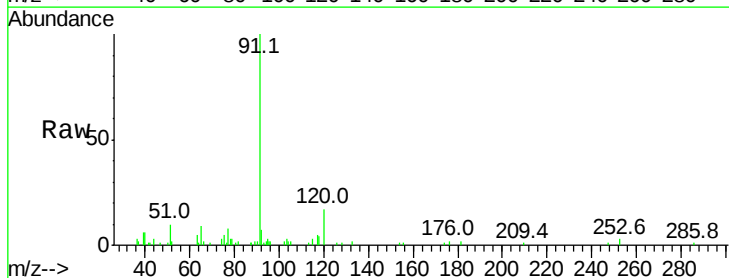
RT: 15.55 min Scan# 3968

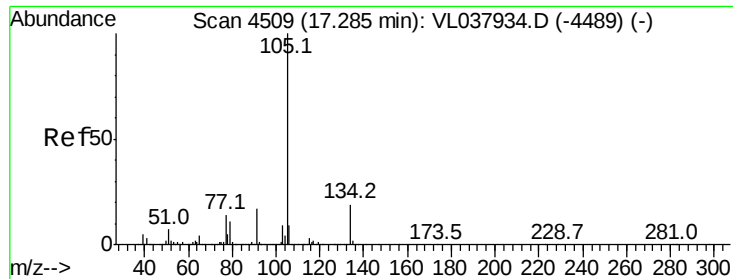
Delta R.T. -0.01 min

Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

Tgt Ion:	120	Resp:	5055
Ion	Ratio	Lower	Upper
120	100		
91	1028.6	363.3	544.9#





#67

sec-Butylbenzene

Concen: 0.045 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

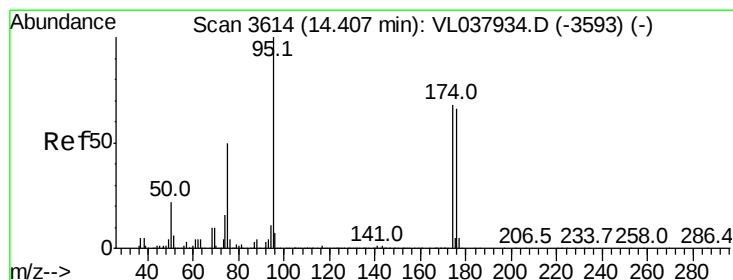
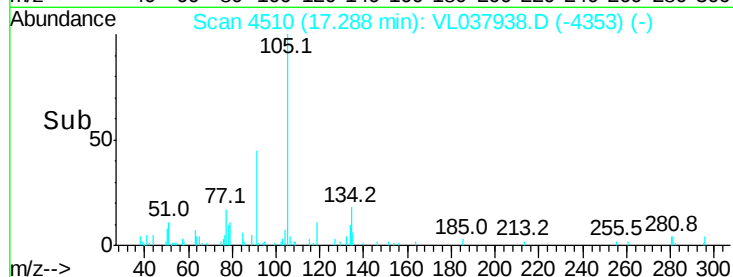
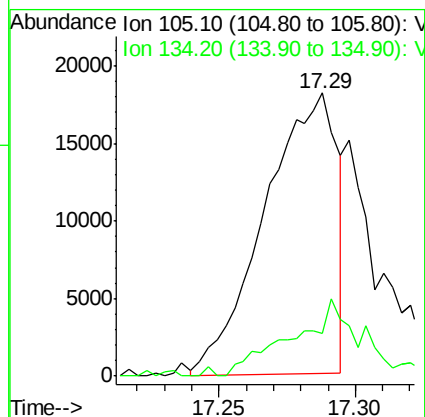
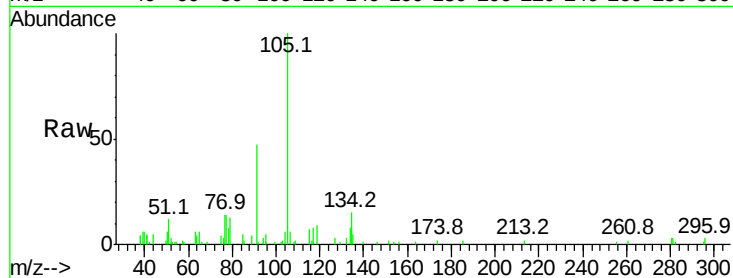
Acq: 1 Nov 2021 11:55

Tgt Ion: 105 Resp: 33456

Ion Ratio Lower Upper

105 100

134 29.3 15.4 23.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.564 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

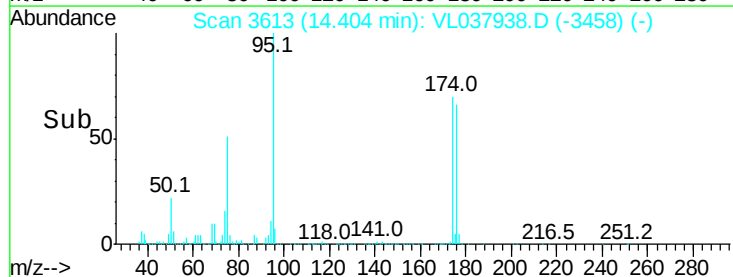
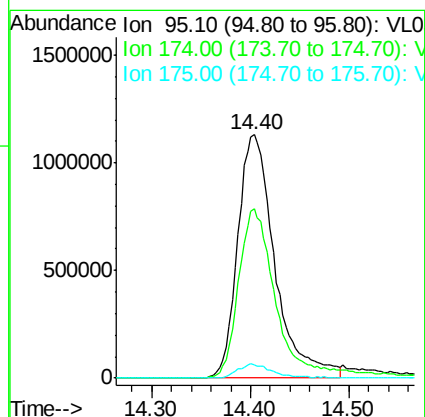
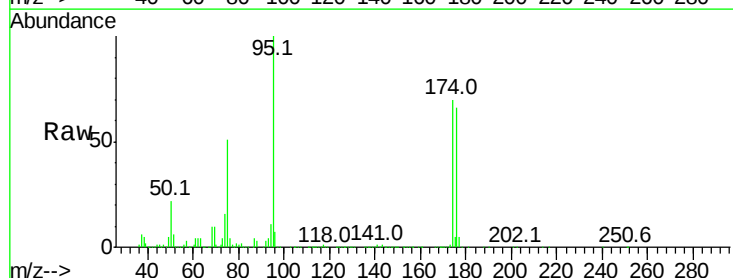
Tgt Ion: 95 Resp: 2961019

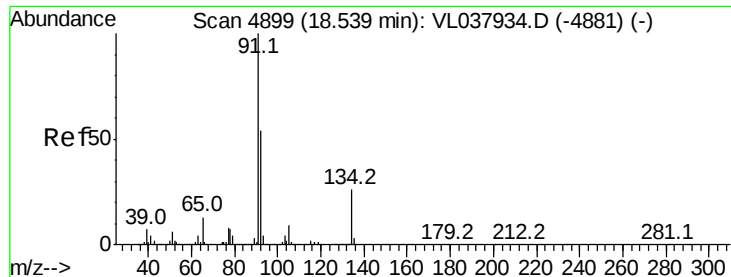
Ion Ratio Lower Upper

95 100

174 73.0 58.3 87.5

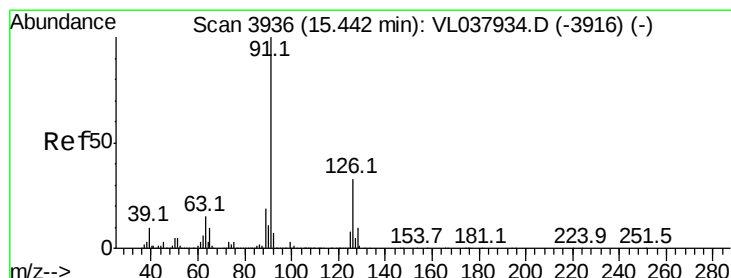
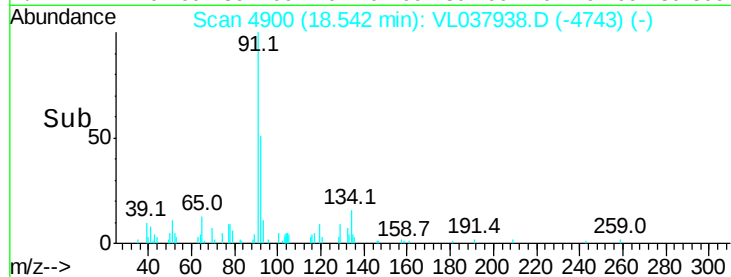
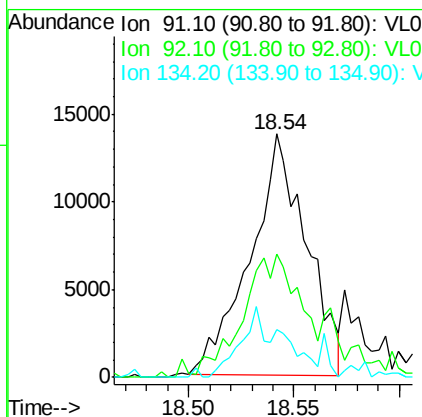
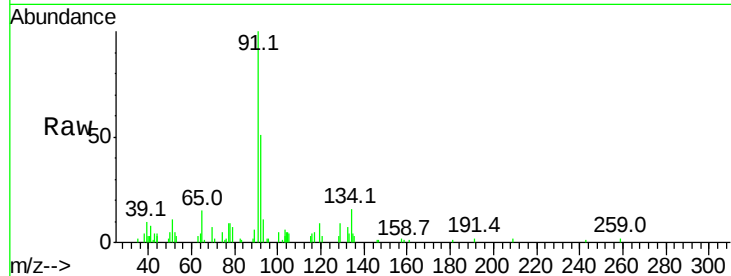
175 5.8 4.6 6.8





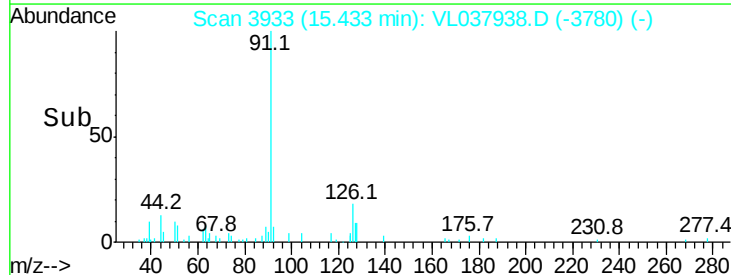
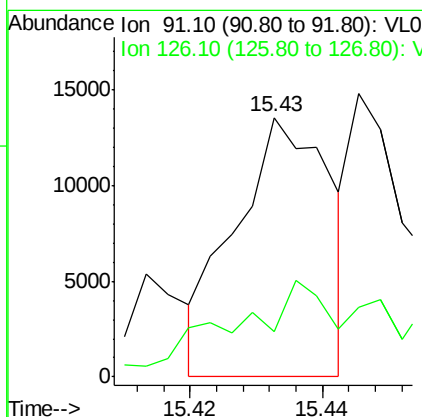
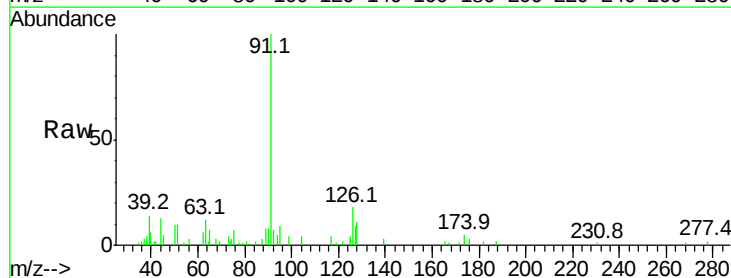
#70
n-Butylbenzene
Concen: 0.045 ppbv
RT: 18.54 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VSTDIC01
Acq: 1 Nov 2021 11:55

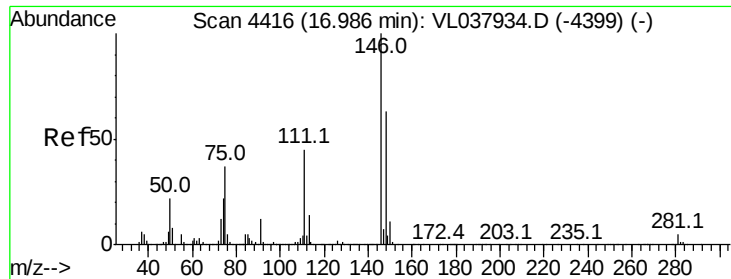
Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.9	43.6	65.4#
134	26.7	19.8	29.6



#71
2-Chlorotoluene
Concen: 0.031 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.01 min
Lab File: VL037938.D
Acq: 1 Nov 2021 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	83.8	13.3	53.3#





#75

1,3-Dichlorobenzene

Concen: 0.045 ppbv

RT: 16.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Nov 2021 11:55

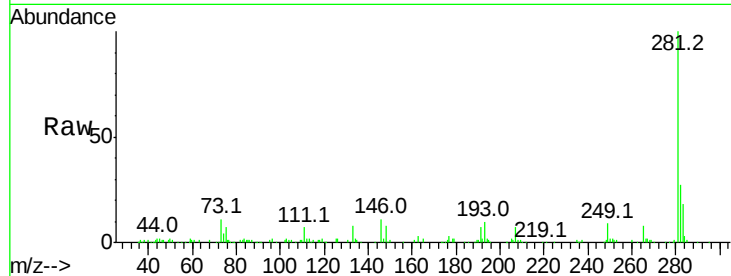
Tgt Ion:146 Resp: 13261

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.1#

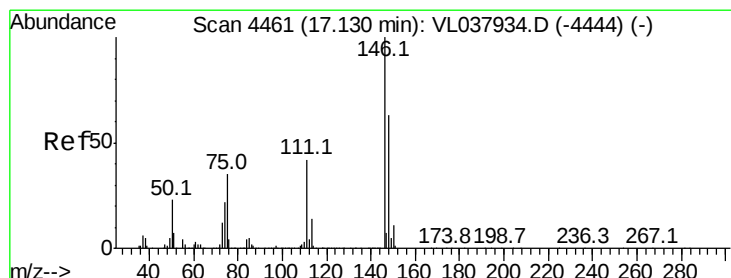
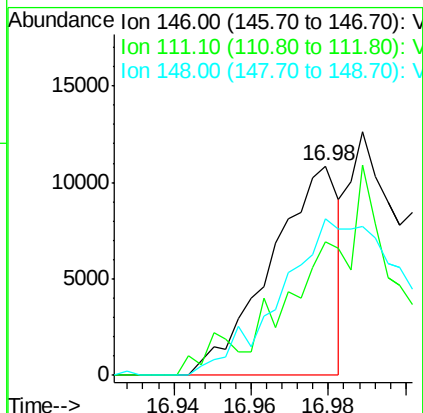
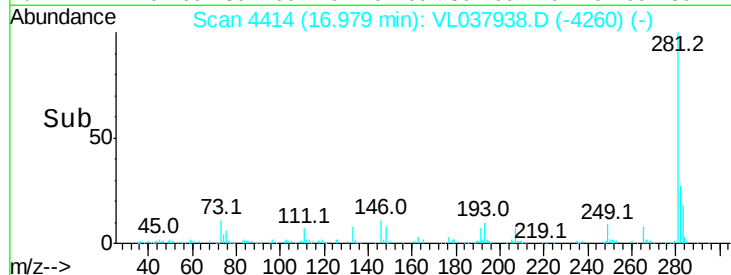
148 157.7 32.4 97.0#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.042 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL037938.D

Acq: 1 Nov 2021 11:53

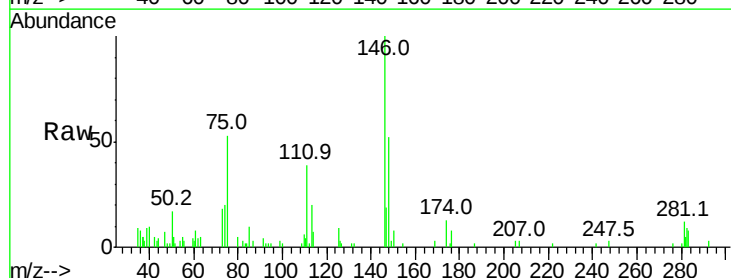
Tgt Ion:146 Resp: 11768

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.1#

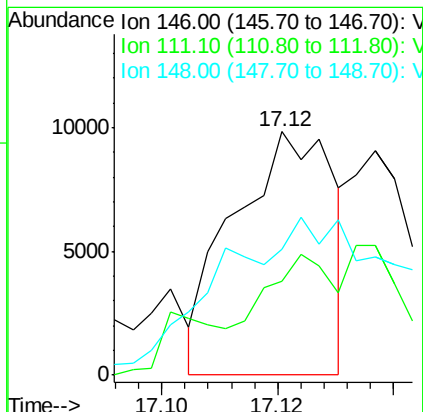
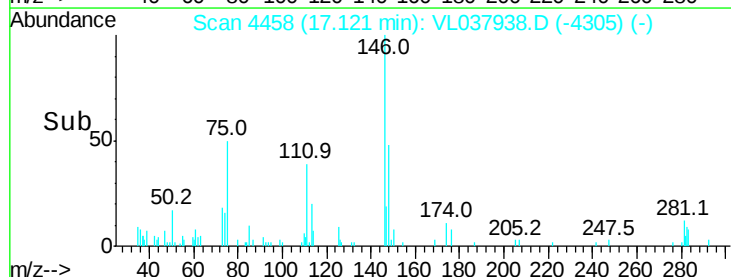
148 160.9 33.5 100.4#

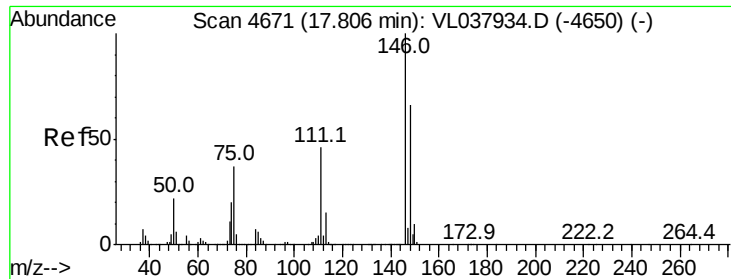


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

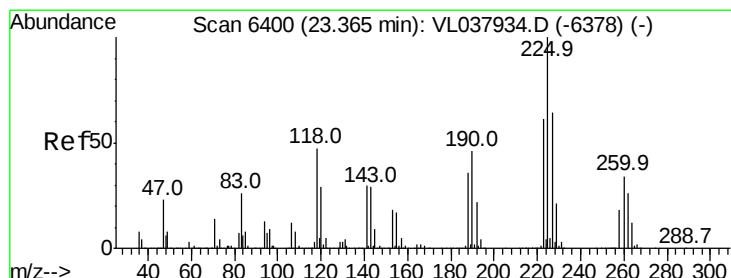
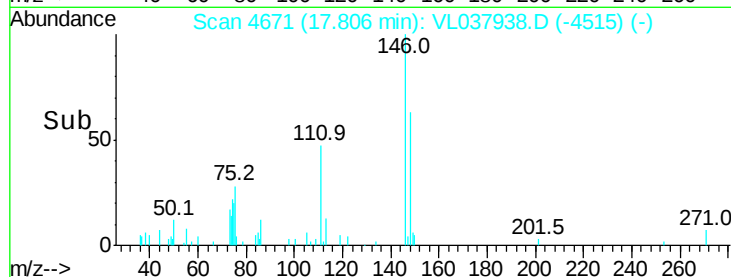
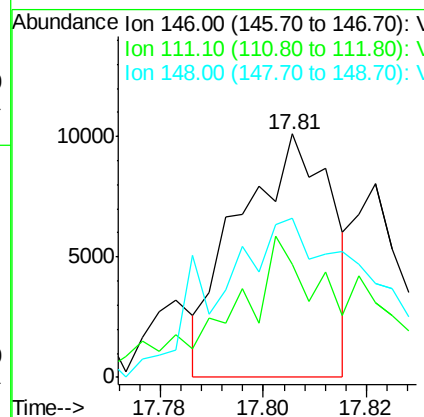
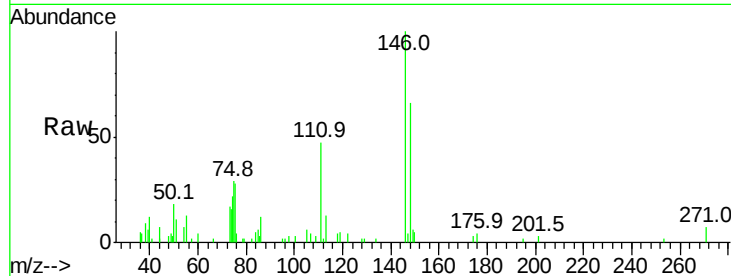
Ion 148.00 (147.70 to 148.70): V





#77
 1,2-Dichlorobenzene
 Concen: 0.044 ppbv
 RT: 17.81 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDIC0.1
 Acq: 1 Nov 2021 11:53

Tgt Ion:146 Resp: 12601
 Ion Ratio Lower Upper
 146 100
 111 83.4 23.4 70.2#
 148 139.1 32.6 97.7#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.063 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. 0.00 min
 Lab File: VL037938.D
 Acq: 1 Nov 2021 11:53

Tgt Ion:225 Resp: 14617
 Ion Ratio Lower Upper
 225 100
 223 133.4 50.0 75.0#
 227 120.0 51.5 77.3#

