

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038471.D
 Acq On : 2 Mar 2022 4:14
 Operator : SY/AP
 Sample : N1723-04 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSG4

Quant Time: Mar 02 04:57:41 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	885736	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2254928	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2005090	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1610549	9.71	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	23096	0.16	ppbv #	88
3) Chlorodifluoromethane	2.97	51	106424	0.68	ppbv #	67
4) Chloromethane	3.15	50	15155	0.28	ppbv	99
9) Propene	3.03	41	100302	1.94	ppbv	84
10) Heptane	8.12	43	212213	1.69	ppbv	99
11) Trichlorofluoromethane	3.96	101	13074	0.10	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	3078	0.03	ppbv	90
13) Ethanol	3.61	45	335713	65.14	ppbv	90
15) Acetone	3.85	43	3029464	40.22	ppbv	98
16) 1,3-Butadiene	3.31	39	87901	1.75	ppbv #	24
17) tert-Butyl alcohol	4.30	59	92446	1.23	ppbv #	91
19) Isopropyl Alcohol	3.98	45	23616	0.54	ppbv #	93
20) Methylene Chloride	4.35	84	680916	18.25	ppbv	96
21) Allyl Chloride	4.38	41	50789	0.80	ppbv #	34
23) Vinyl Acetate	5.06	43	8962	0.09	ppbv #	1
25) Ethyl Acetate	5.69	43	918177	4.54	ppbv #	77
26) Hexane	5.69	57	1309711	14.29	ppbv #	42
27) Carbon Disulfide	4.56	76	47980	0.47	ppbv #	80
30) Cyclohexane	7.13	84	66055	0.88	ppbv	95
34) 2-Butanone	5.25	43	148912	2.10	ppbv	92
36) Benzene	6.89	78	504897	2.54	ppbv	96
39) 1,2-Dichloropropane	7.18	63	572391	7.24	ppbv #	25
40) 1,4-Dioxane	7.85	88	79453	4.24	ppbv #	1
41) Tetrahydrofuran	6.32	42	28774	0.60	ppbv #	38
43) Methyl Methacrylate	8.01	69	2772	0.04	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	199862	0.59	ppbv #	74
50) 4-Methyl-2-Pentanone	8.75	43	7420	0.06	ppbv #	40
51) 2-Hexanone	10.15	43	5104	0.09	ppbv #	1
53) Toluene	9.81	91	1840559	8.54	ppbv	99
58) Ethyl Benzene	12.71	91	199000	0.73	ppbv	98
59) m/p-Xylene	12.96	91	432216	1.84	ppbv	91
60) o-Xylene	13.69	91	117040	0.53	ppbv	97
61) Styrene	13.53	104	7598	0.07	ppbv #	1
62) Isopropylbenzene	14.67	105	2555257	8.55	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	8890	0.05	ppbv #	24
64) n-propylbenzene	15.75	120	2362	0.03	ppbv	71
72) 4-Ethyltoluene	15.84	105	9488	0.04	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.00	105	8761	0.04	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	32312	0.14	ppbv #	64

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ClientSampleId :
FSG4

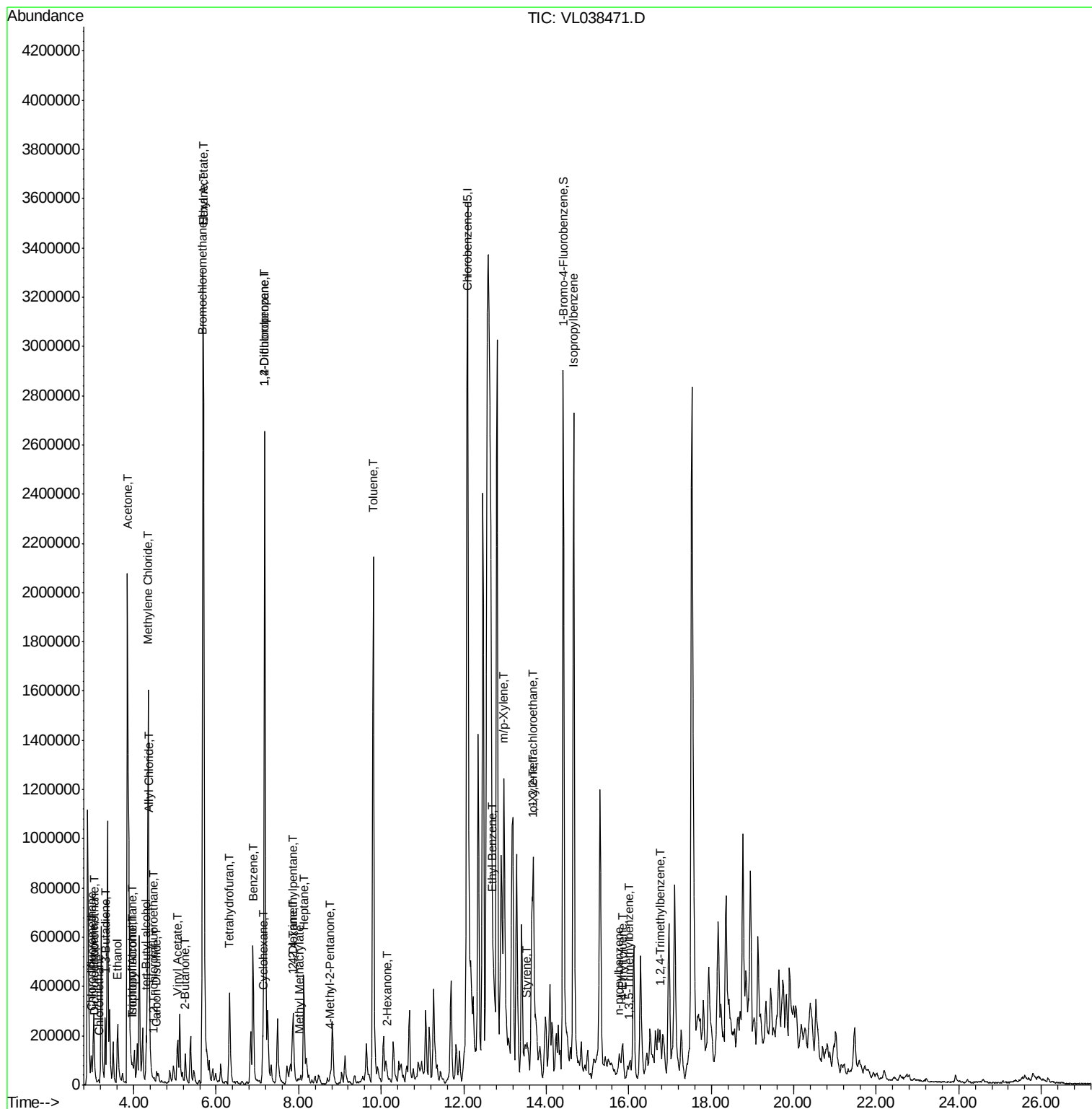
Quant Time: Mar 02 04:57:41 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
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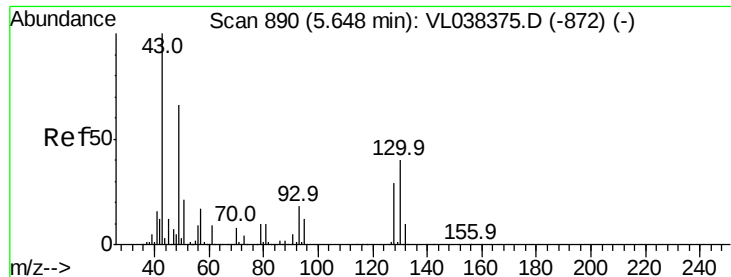
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: FSG4

Acq: 2 Mar 2022 4:14

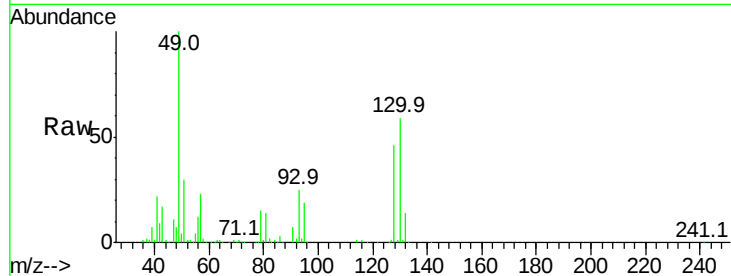
Tgt Ion: 49 Resp: 885736

Ion Ratio Lower Upper

49 100

128 48.7 24.3 72.9

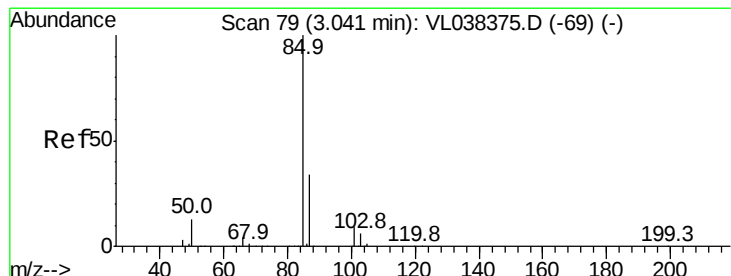
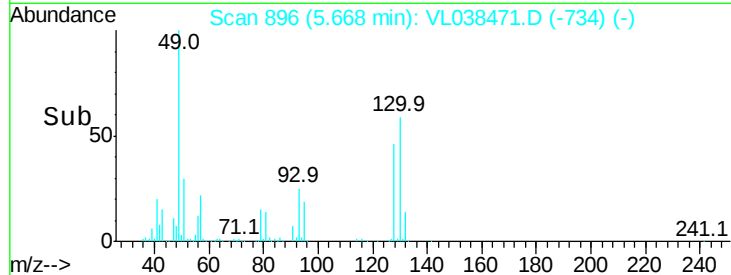
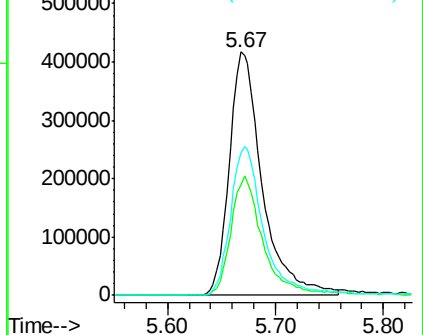
130 62.1 30.1 90.5



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: 0.16 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038471.D

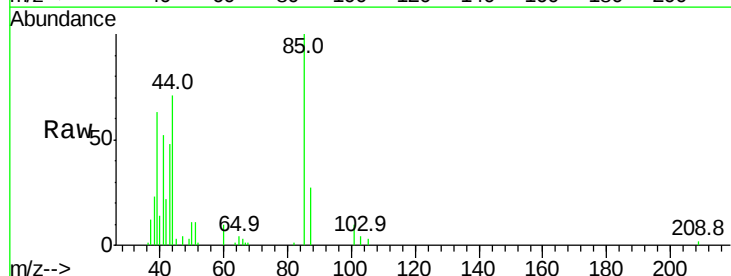
Acq: 2 Mar 2022 4:14

Tgt Ion: 85 Resp: 23096

Ion Ratio Lower Upper

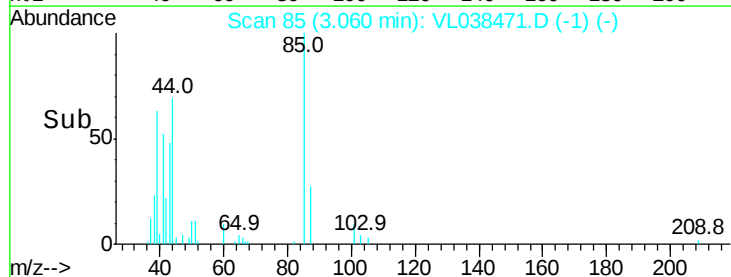
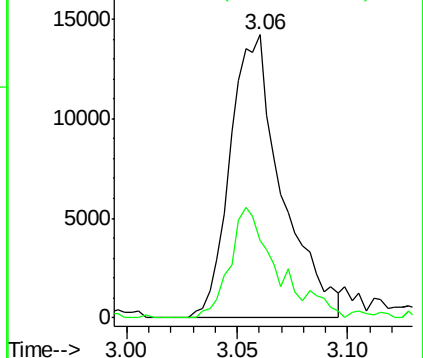
85 100

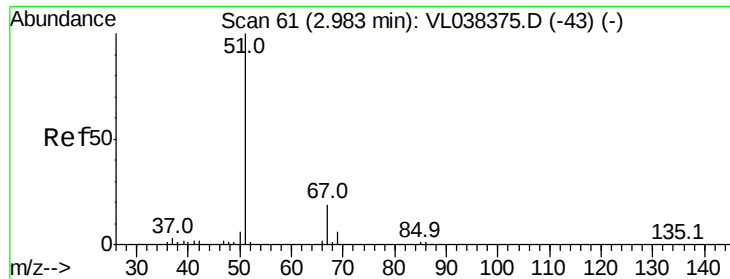
87 27.2 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.68 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

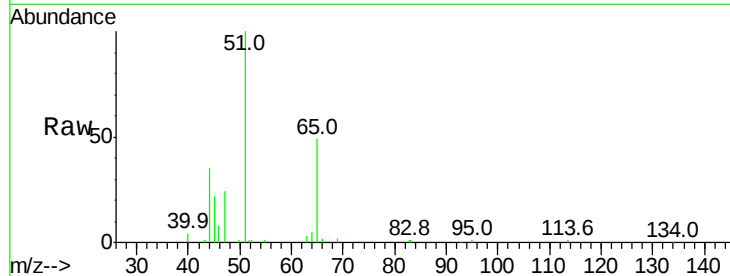
Acq: 2 Mar 2022 4:14 FSG4

Tgt Ion: 51 Resp: 106424

Ion Ratio Lower Upper

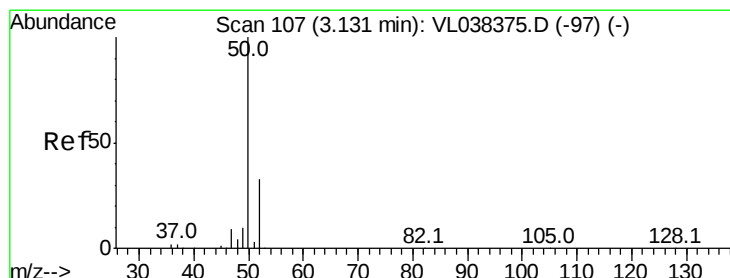
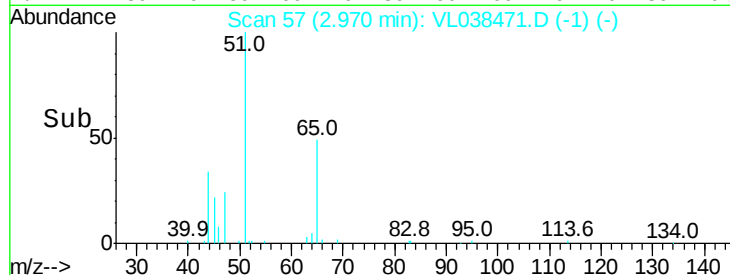
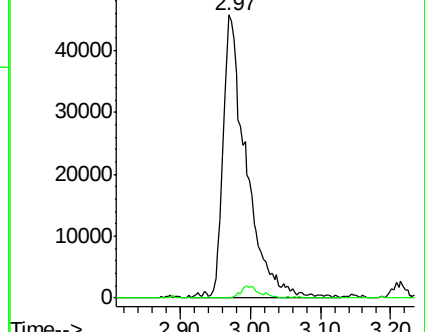
51 100

67 3.5 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.28 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL038471.D

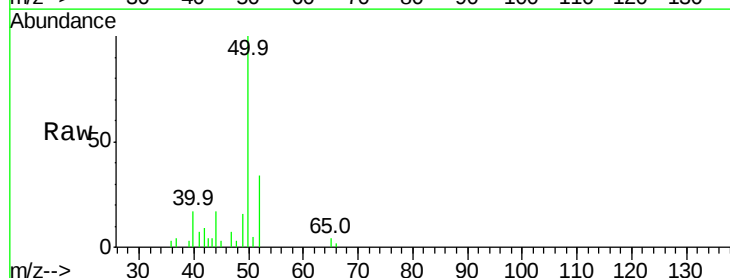
Acq: 2 Mar 2022 4:14

Tgt Ion: 50 Resp: 15155

Ion Ratio Lower Upper

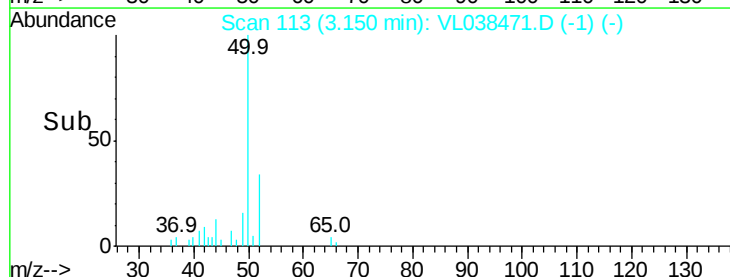
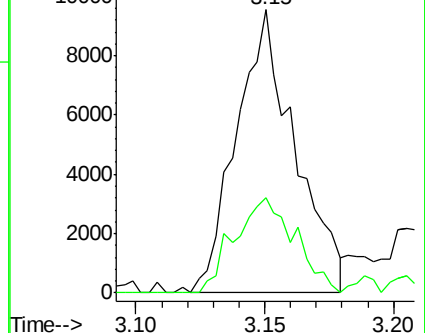
50 100

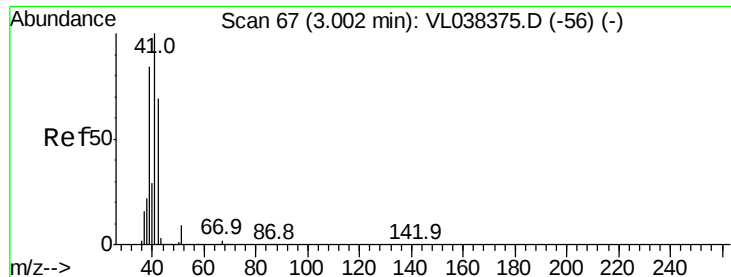
52 33.6 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.94 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: FSG4

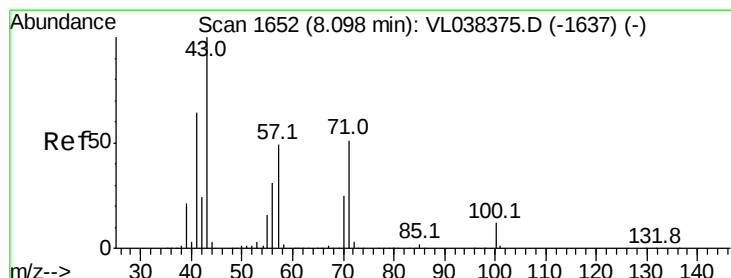
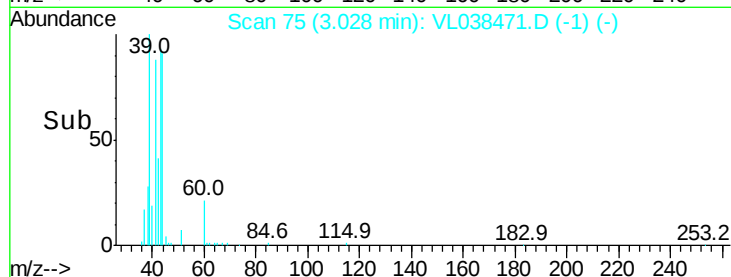
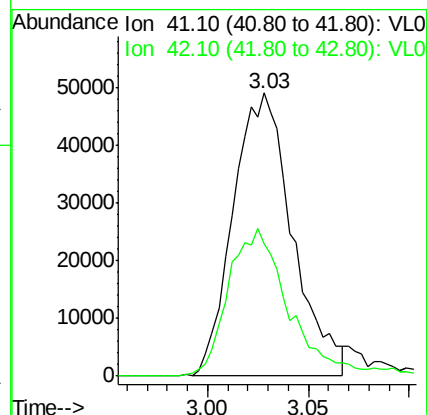
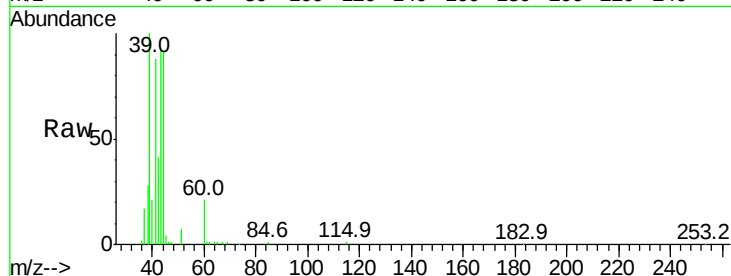
Acq: 2 Mar 2022 4:14

Tgt Ion: 41 Resp: 100302

Ion Ratio Lower Upper

41 100

42 55.1 54.6 82.0



#10

Heptane

Concen: 1.69 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL038471.D

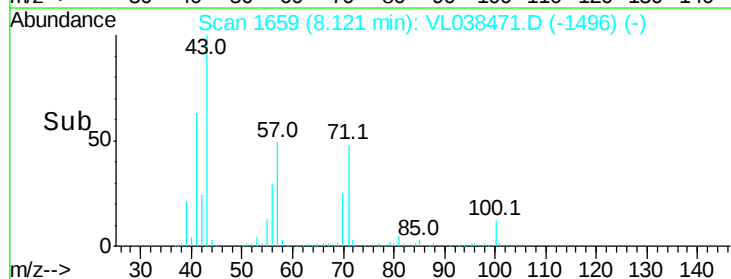
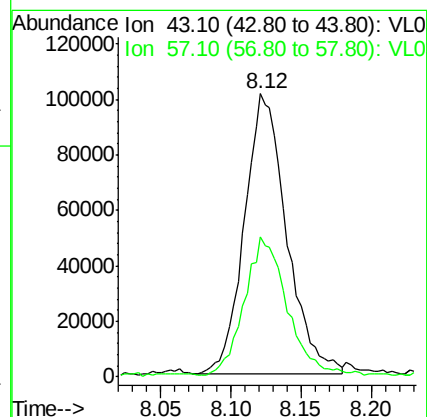
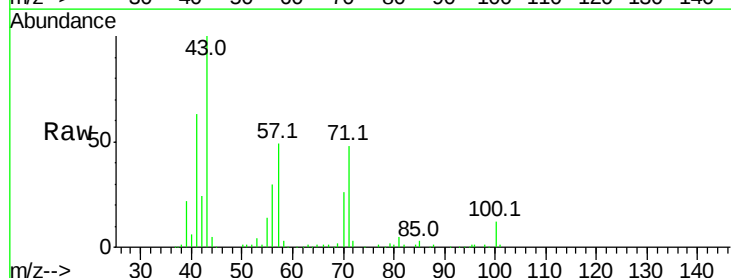
Acq: 2 Mar 2022 4:14

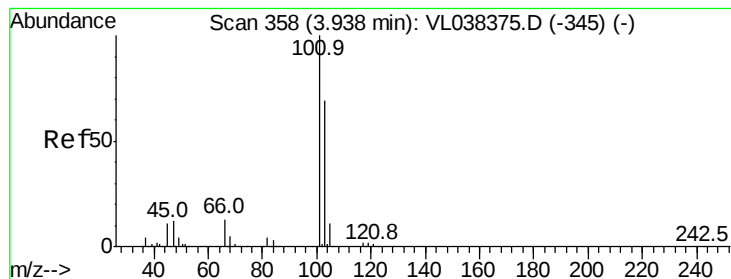
Tgt Ion: 43 Resp: 212213

Ion Ratio Lower Upper

43 100

57 50.4 39.8 59.8





#11

Trichlorofluoromethane

Concen: 0.10 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

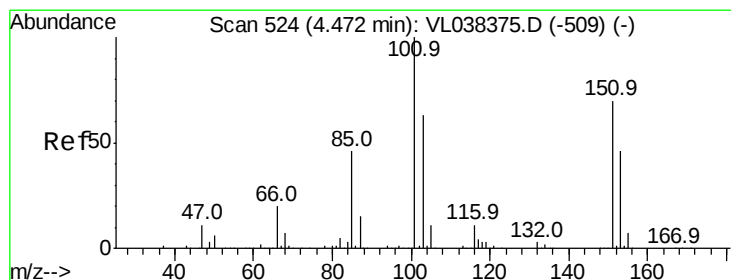
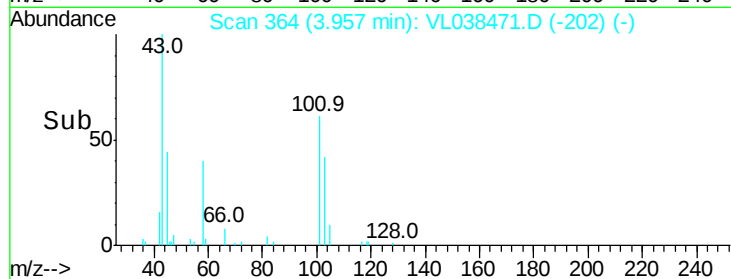
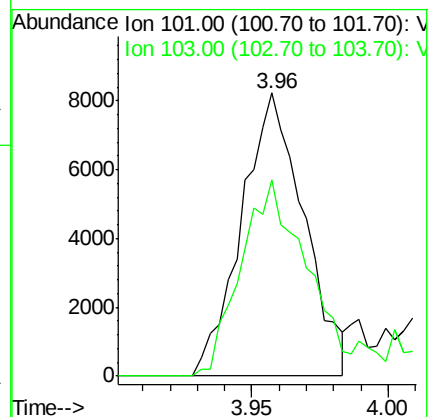
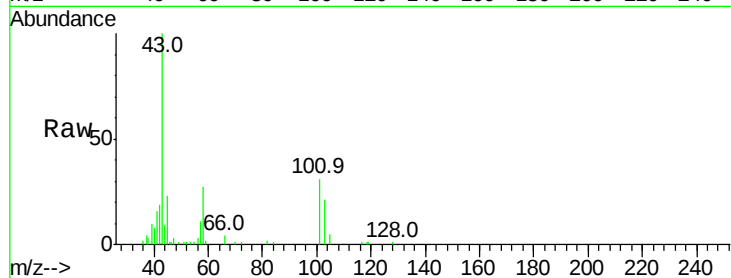
Acq: 2 Mar 2022 4:14 FSG4

Tgt Ion:101 Resp: 13074

Ion Ratio Lower Upper

101 100

103 69.2 55.0 82.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.03 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.02 min

Lab File: VL038471.D

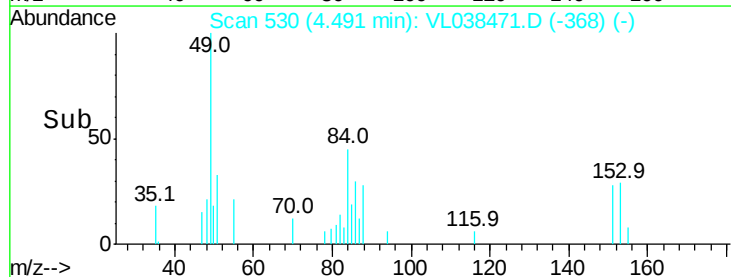
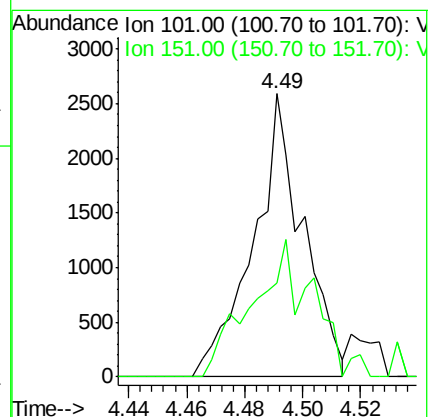
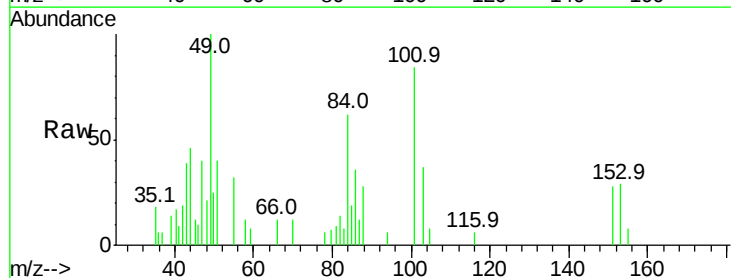
Acq: 2 Mar 2022 4:14

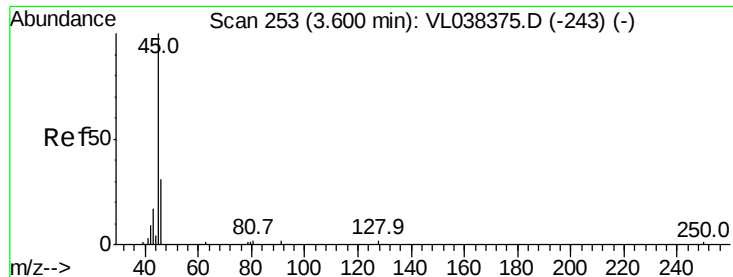
Tgt Ion:101 Resp: 3078

Ion Ratio Lower Upper

101 100

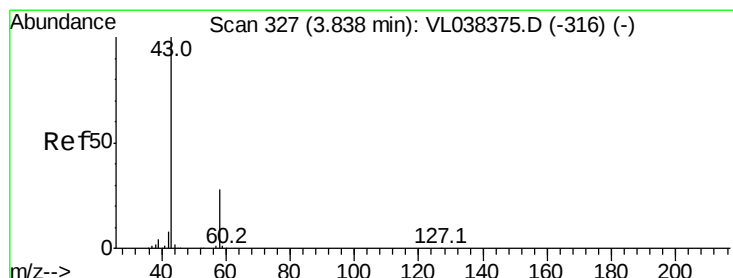
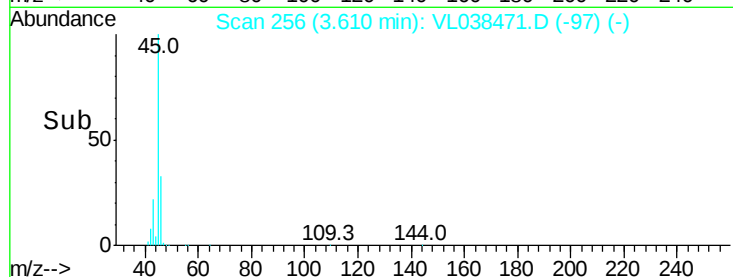
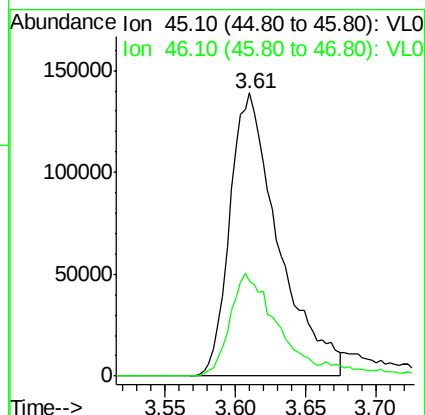
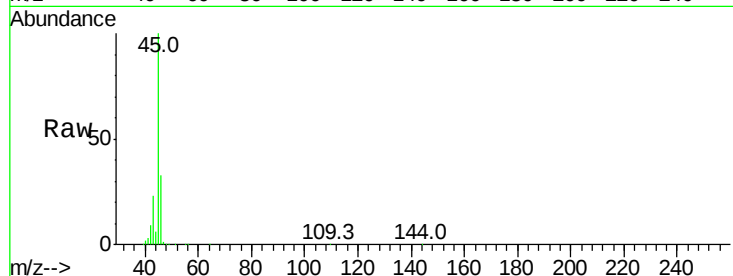
151 61.8 55.9 83.9





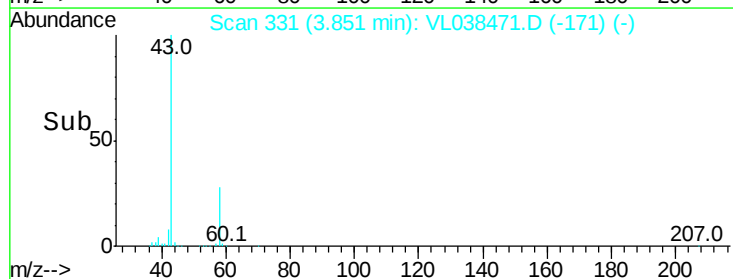
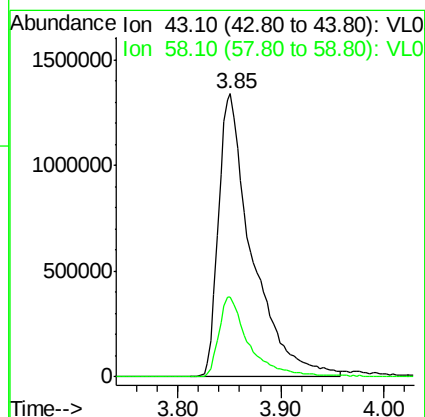
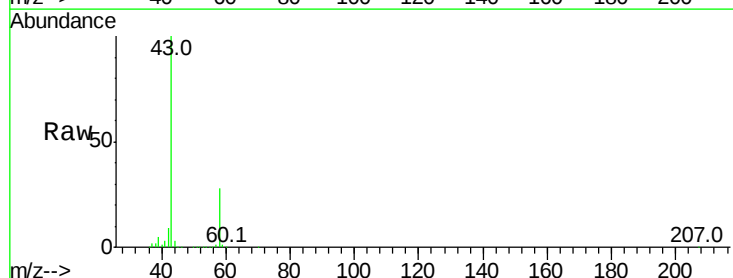
#13
Ethanol
Concen: 65.14 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 4:14

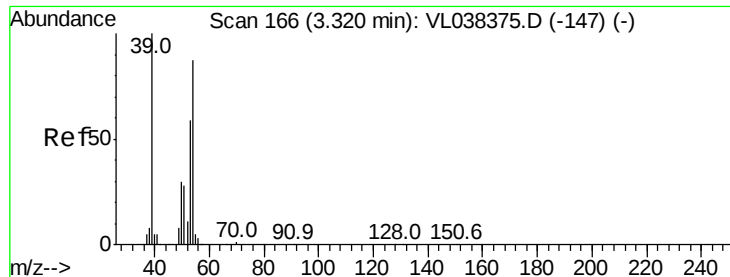
Tgt Ion: 45 Resp: 335713
Ion Ratio Lower Upper
45 100
46 38.7 18.2 72.8



#15
Acetone
Concen: 40.22 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

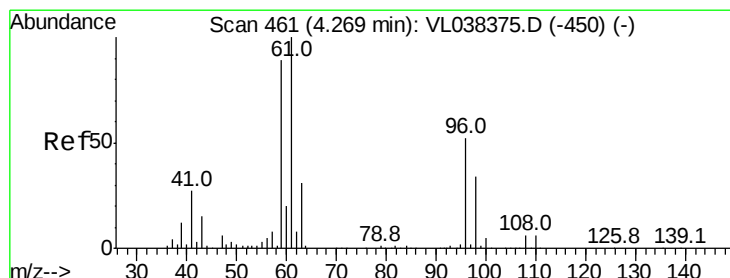
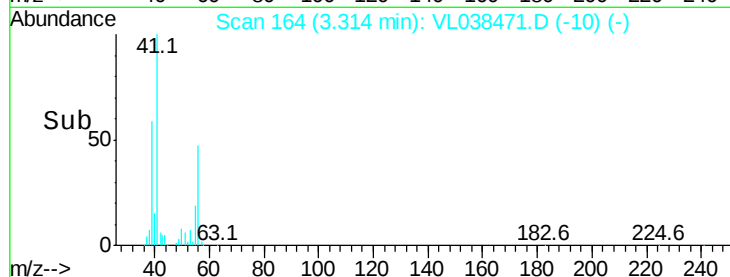
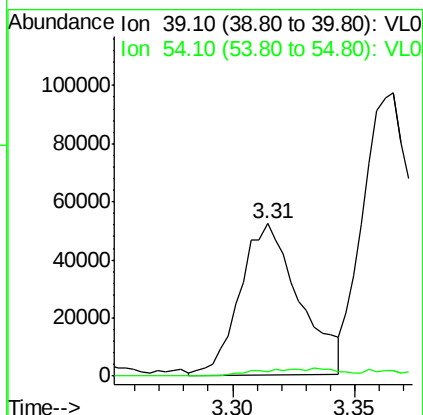
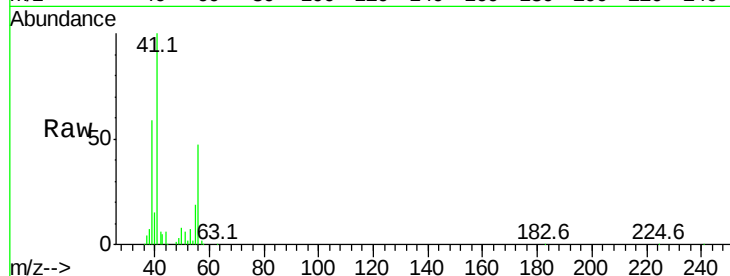
Tgt Ion: 43 Resp: 3029464
Ion Ratio Lower Upper
43 100
58 26.0 21.7 32.5





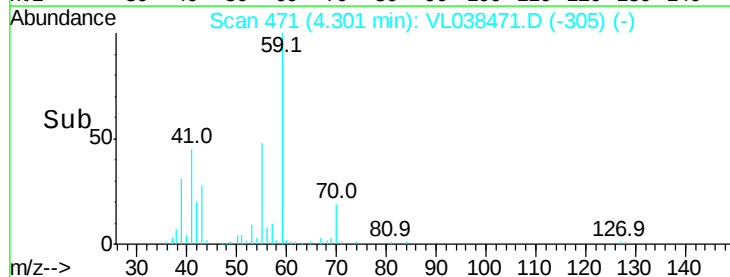
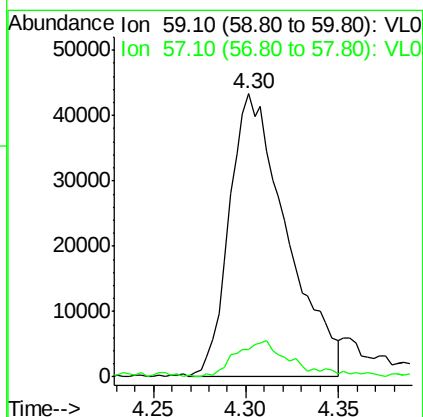
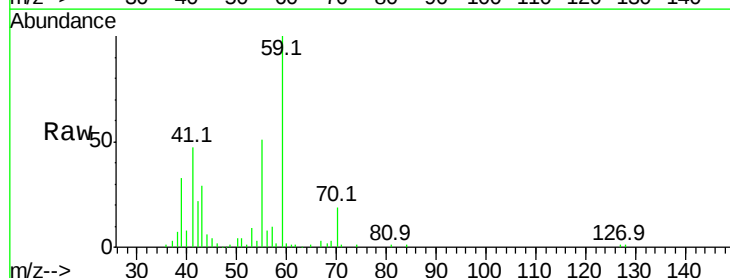
#16
 1,3-Butadiene
 Concen: 1.75 ppbv
 RT: 3.31
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 FSG4
 Acq: 2 Mar 2022 4:14

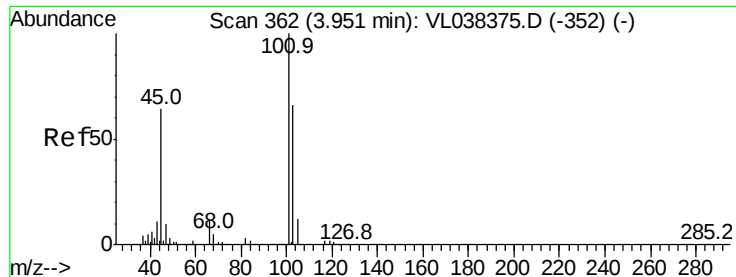
Tgt Ion: 39 Resp: 87901
 Ion Ratio Lower Upper
 39 100
 54 10.1 60.3 90.5#



#17
 tert-Butyl alcohol
 Concen: 1.23 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.03 min
 Lab File: VL038471.D
 Acq: 2 Mar 2022 4:14

Tgt Ion: 59 Resp: 92446
 Ion Ratio Lower Upper
 59 100
 57 13.8 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 0.54 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

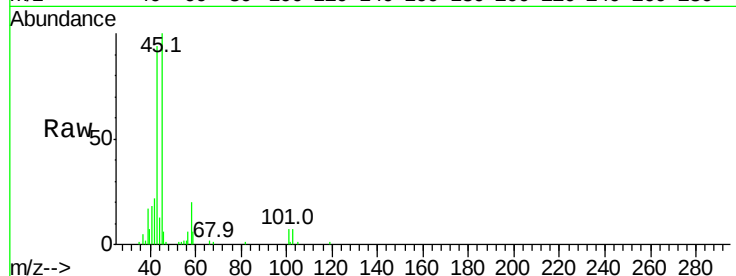
Acq: 2 Mar 2022 4:14 FSG4

Tgt Ion: 45 Resp: 23616

Ion Ratio Lower Upper

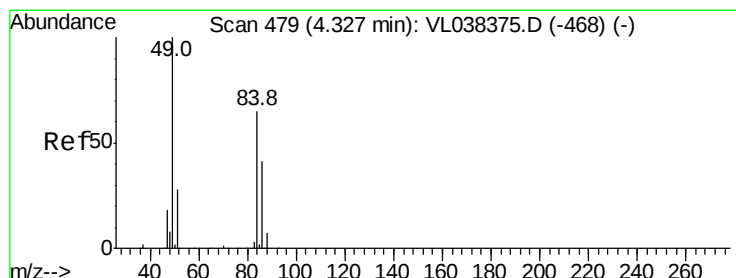
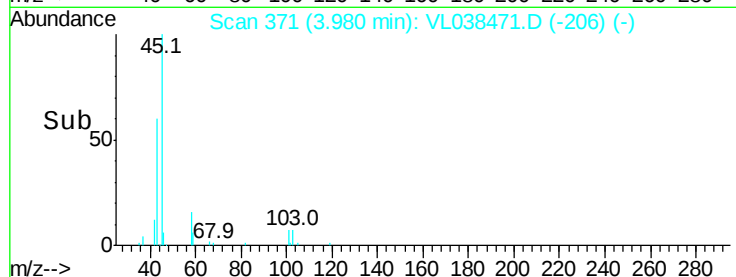
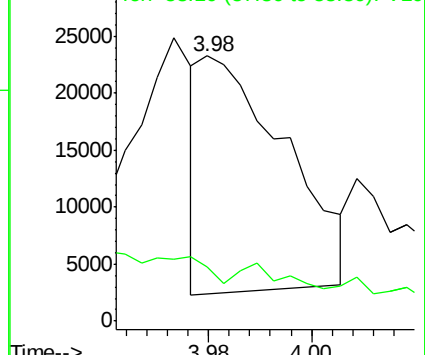
45 100

58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 18.25 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL038471.D

Acq: 2 Mar 2022 4:14

Tgt Ion: 84 Resp: 680916

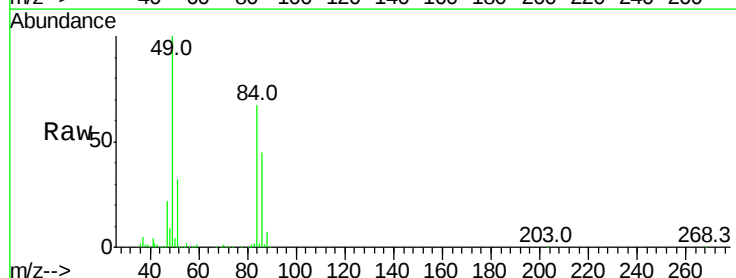
Ion Ratio Lower Upper

84 100

49 149.6 122.4 183.6

51 47.0 33.3 49.9

86 67.6 50.7 76.1

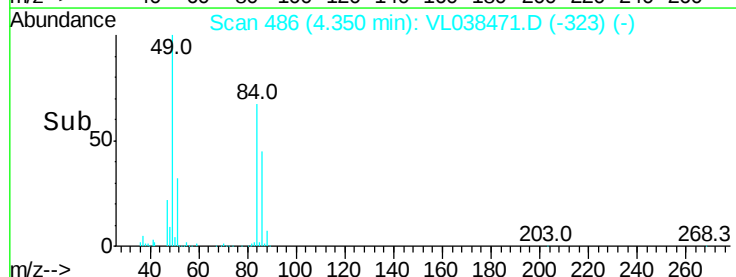
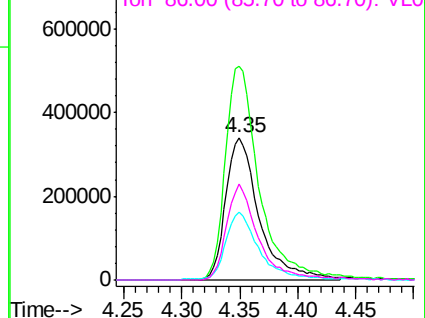


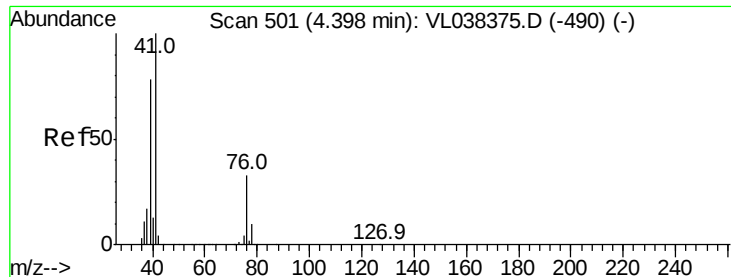
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

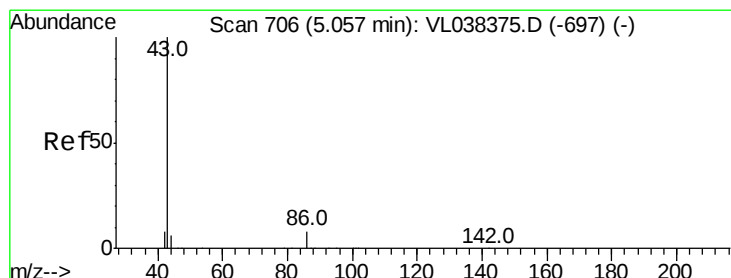
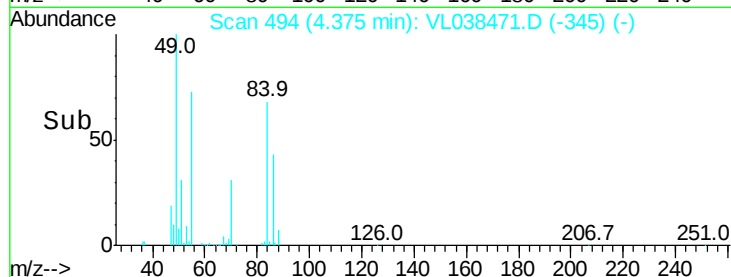
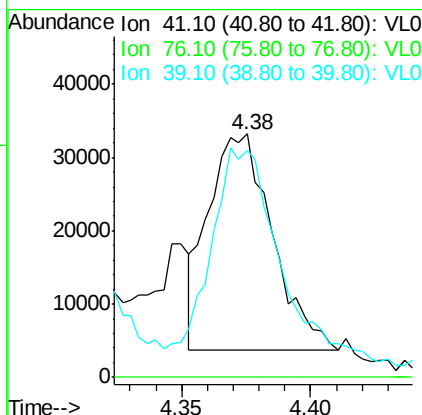
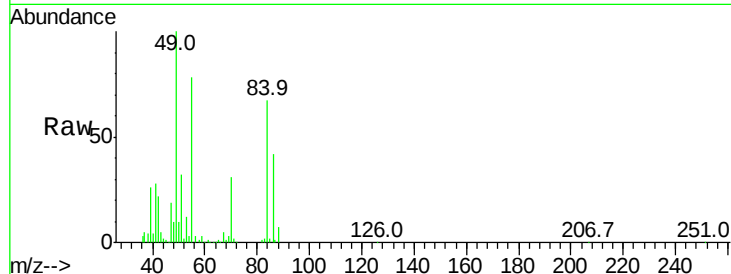
Ion 86.00 (85.70 to 86.70): VL0





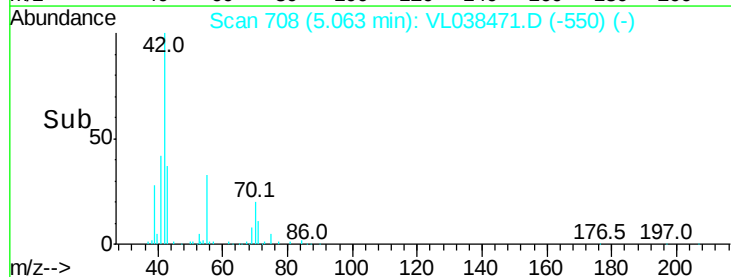
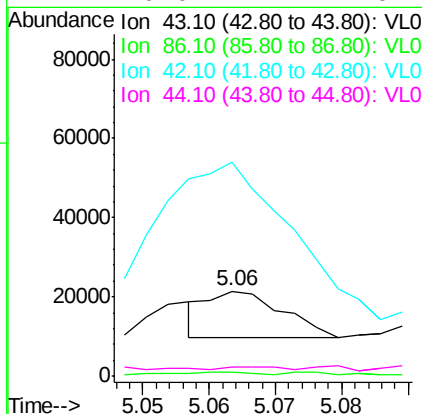
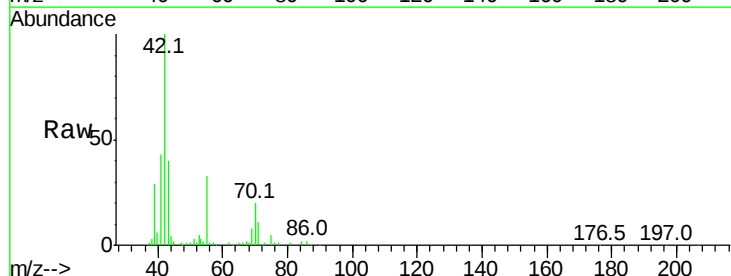
#21
 Allyl Chloride
 Concen: 0.80 ppbv
 RT: 4.38
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 4:14

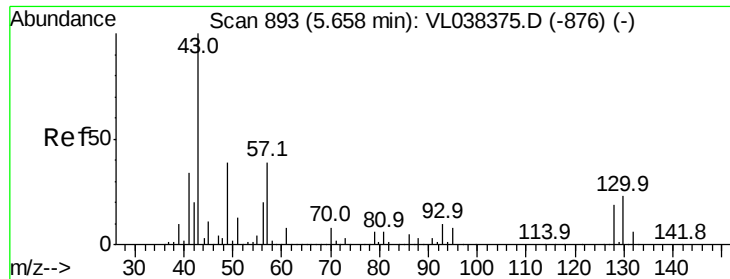
Tgt Ion: 41 Resp: 50789
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.4 38.0#
 39 139.9 63.0 94.6#



#23
 Vinyl Acetate
 Concen: 0.09 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL038471.D
 Acq: 2 Mar 2022 4:14

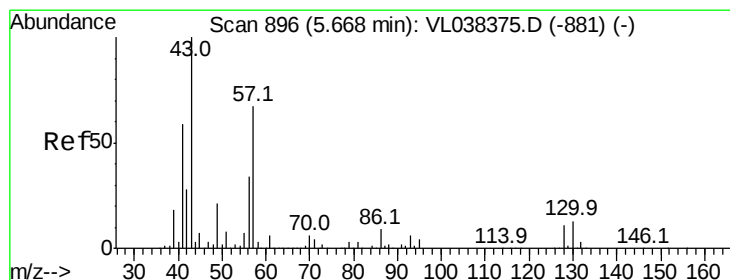
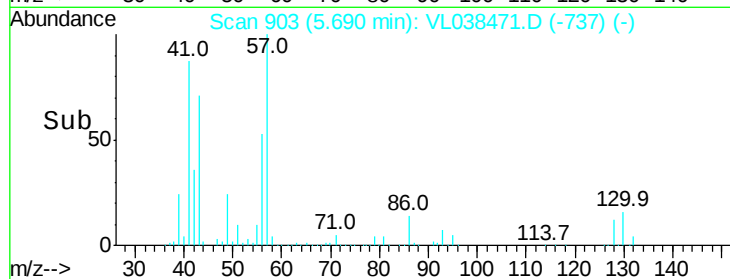
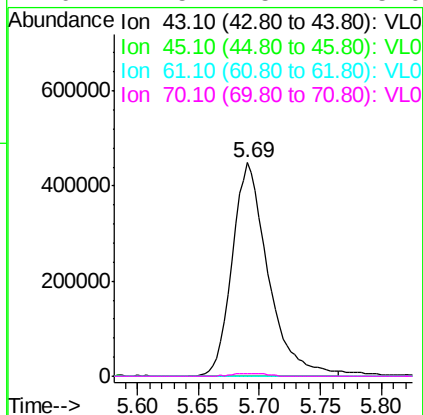
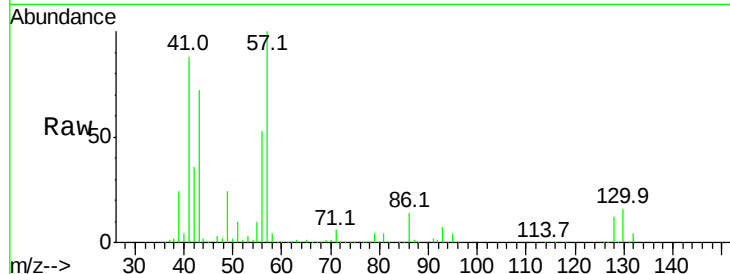
Tgt Ion: 43 Resp: 8962
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.8 8.6
 42 277.5 7.4 11.0#
 44 0.0 4.2 6.2#





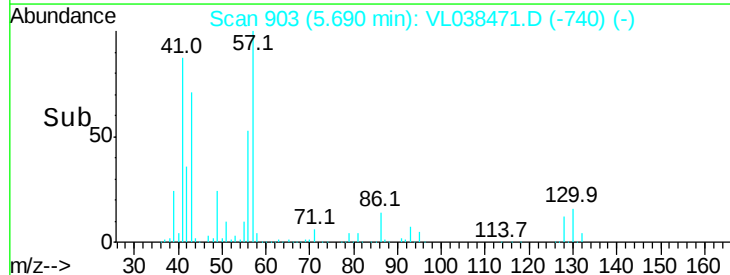
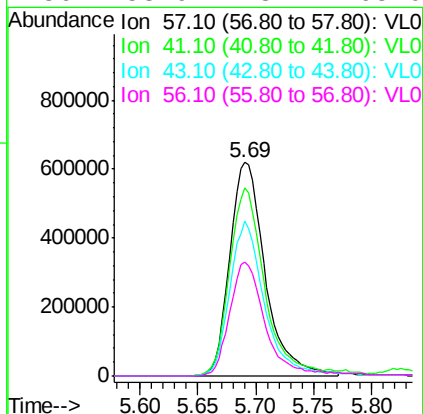
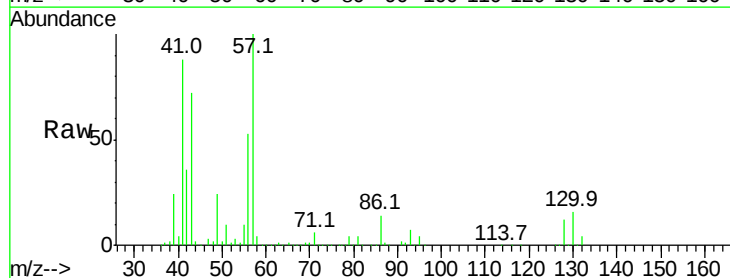
#25
Ethyl Acetate
Concen: 4.54 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Mar 2022 4:14

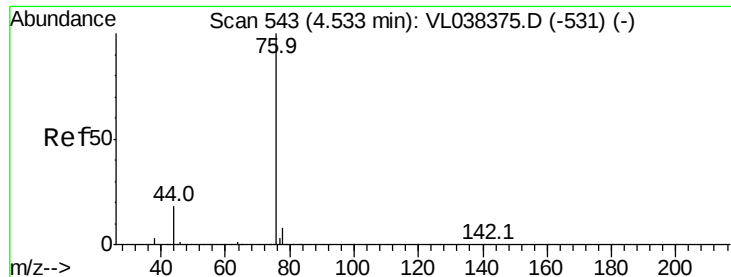
Tgt Ion:	43	Resp:	918177
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.8	11.6#
61	0.2	7.5	11.3#
70	1.5	5.4	8.0#



#26
Hexane
Concen: 14.29 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.02 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Tgt Ion:	57	Resp:	1309711
Ion	Ratio	Lower	Upper
57	100		
41	89.5	73.1	109.7
43	71.5	181.0	271.4#
56	53.9	43.4	65.0





#27

Carbon Disulfide

Concen: 0.47 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: FSG4

Acq: 2 Mar 2022 4:14

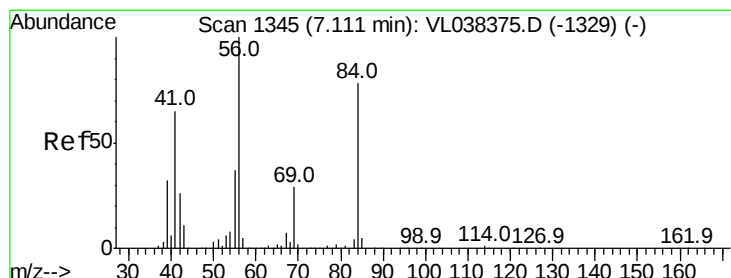
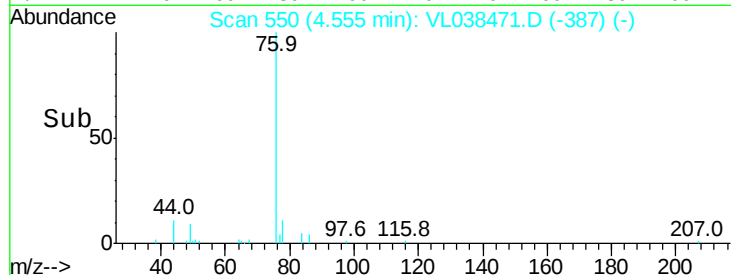
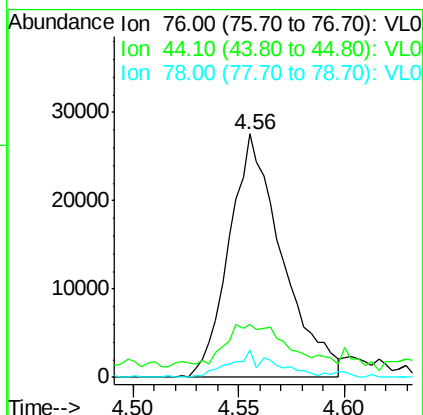
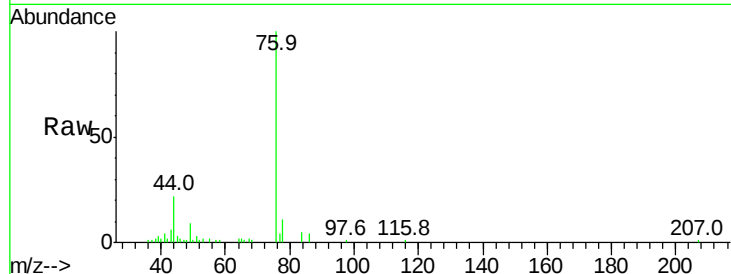
Tgt Ion: 76 Resp: 47980

Ion Ratio Lower Upper

76 100

44 31.0 14.2 21.2#

78 10.2 7.8 11.6



#30

Cyclohexane

Concen: 0.88 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.02 min

Lab File: VL038471.D

Acq: 2 Mar 2022 4:14

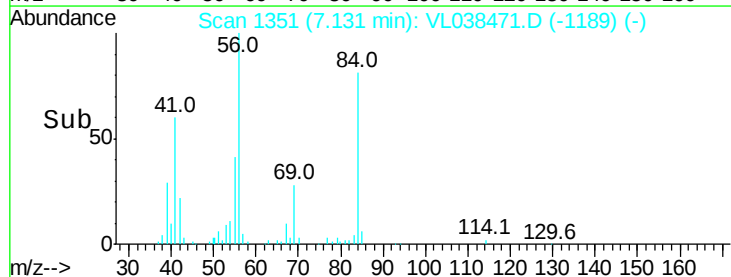
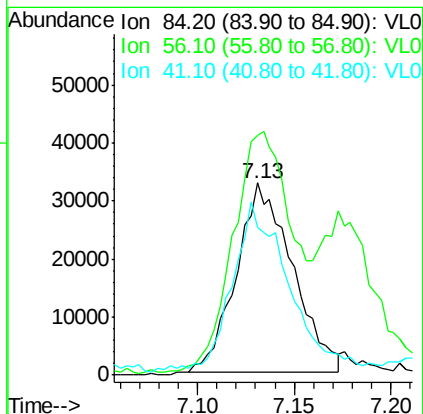
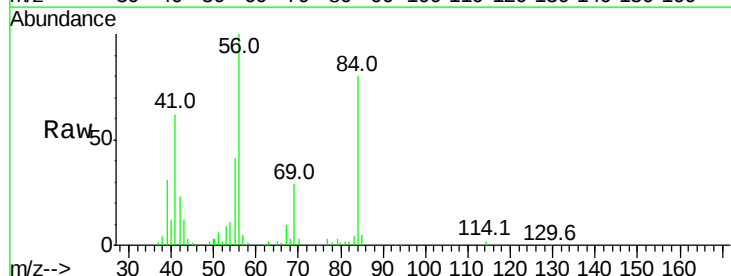
Tgt Ion: 84 Resp: 66055

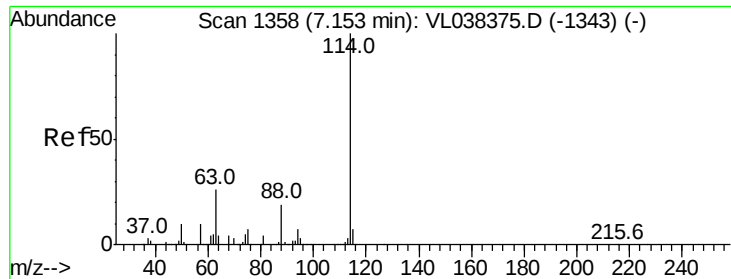
Ion Ratio Lower Upper

84 100

56 134.3 116.2 174.4

41 93.0 74.3 111.5

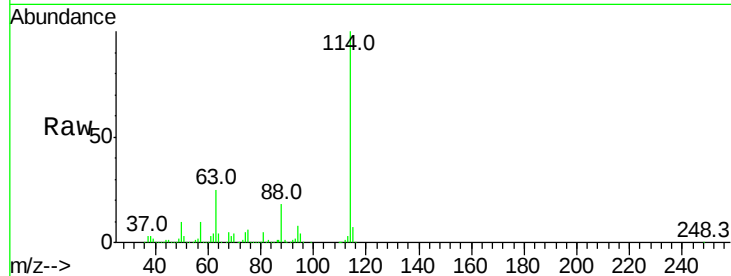




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 FSG4
 Acq: 2 Mar 2022 4:14

Tgt Ion: 114 Resp: 2254928

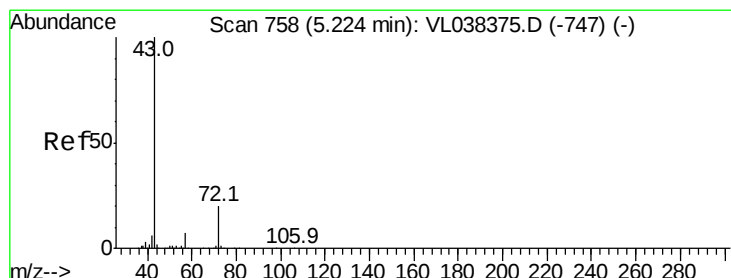
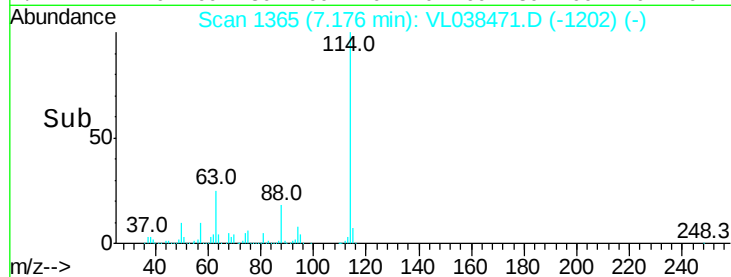
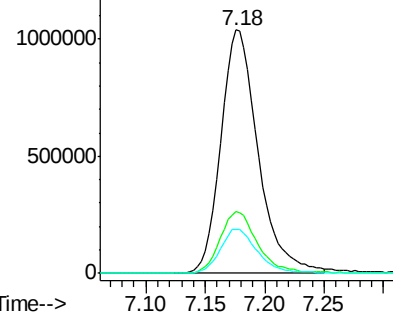
Ion	Ratio	Lower	Upper
114	100		
63	25.9	22.2	33.2
88	18.5	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

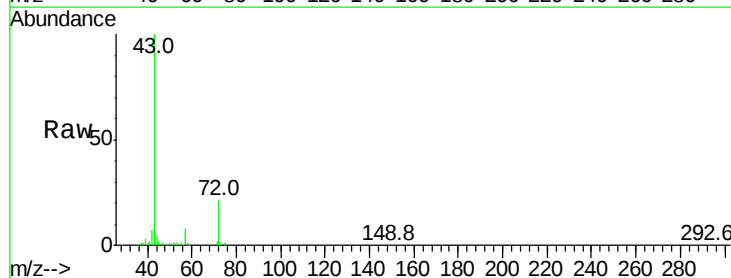
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 2.10 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL038471.D
 Acq: 2 Mar 2022 4:14

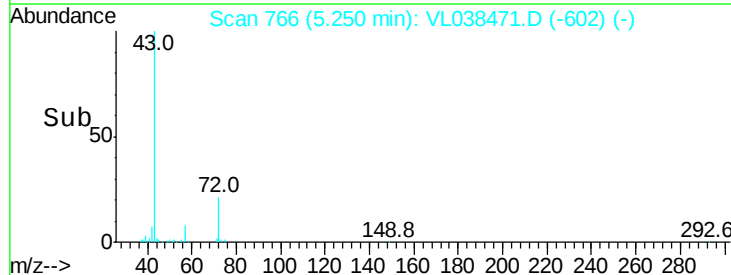
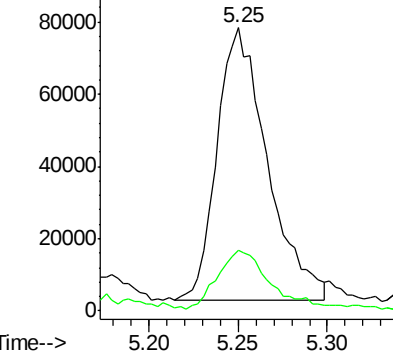
Tgt Ion: 43 Resp: 148912

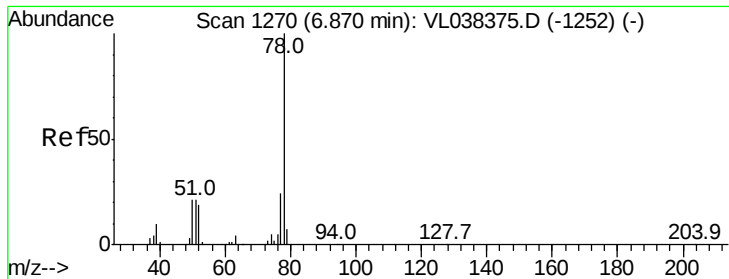
Ion	Ratio	Lower	Upper
43	100		
72	25.5	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

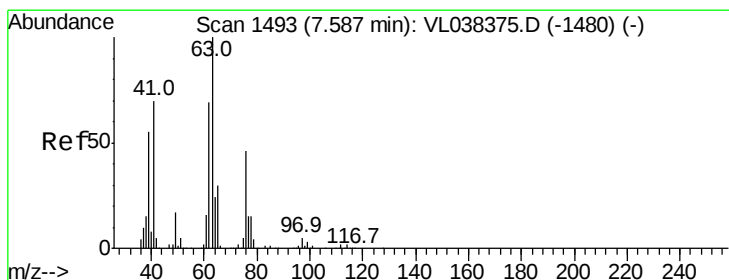
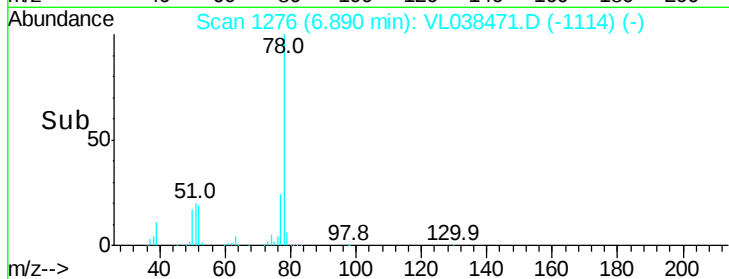
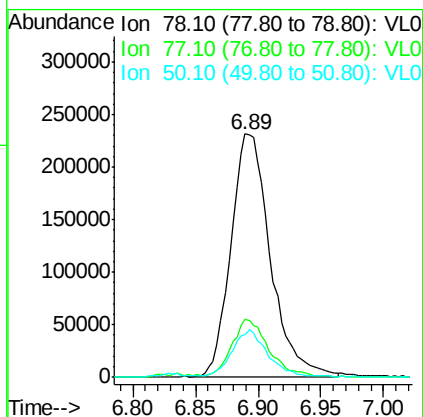
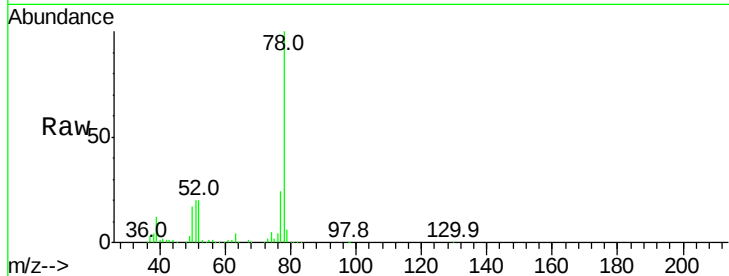
Ion 72.10 (71.80 to 72.80): VL0





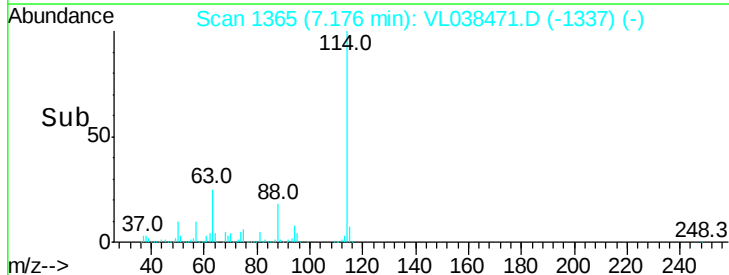
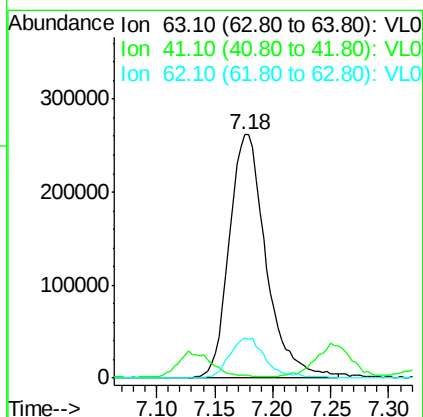
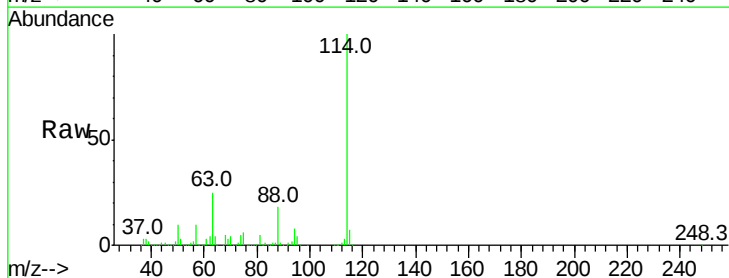
#36
Benzene
Concen: 2.54 ppbv
RT: 6.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 4:14

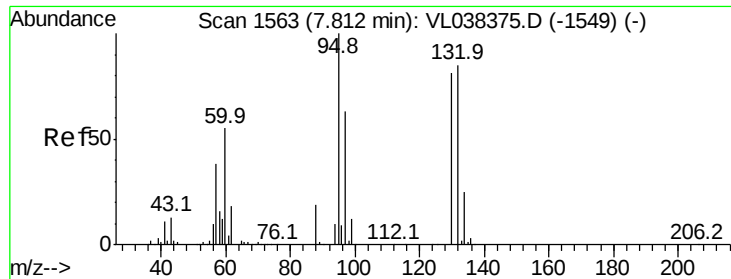
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6
50	17.2	16.6	24.8



#39
1,2-Dichloropropane
Concen: 7.24 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.41 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

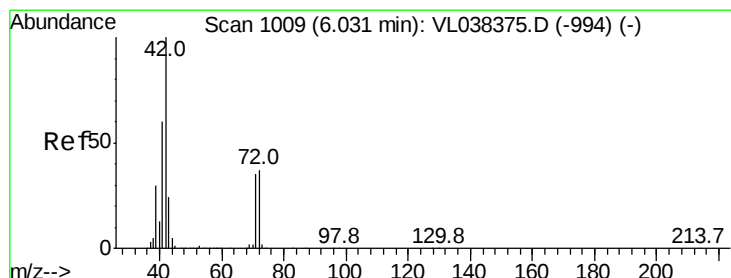
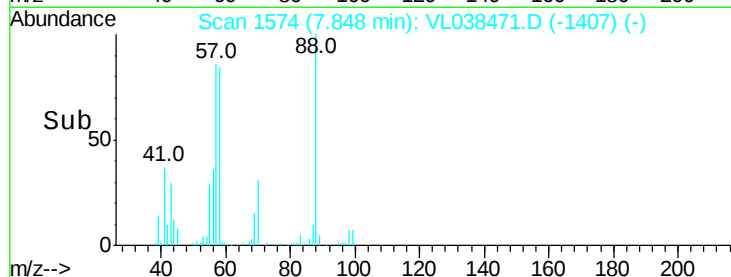
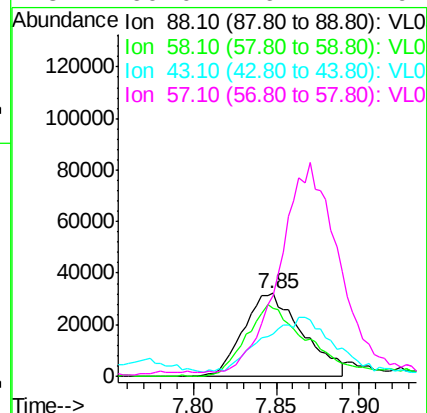
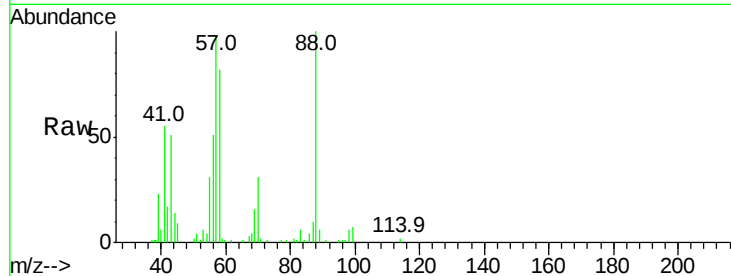
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.6	55.5	83.3#





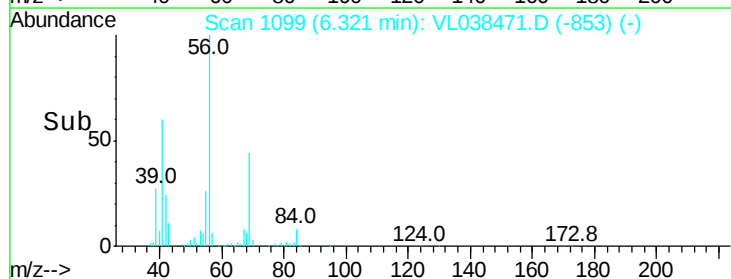
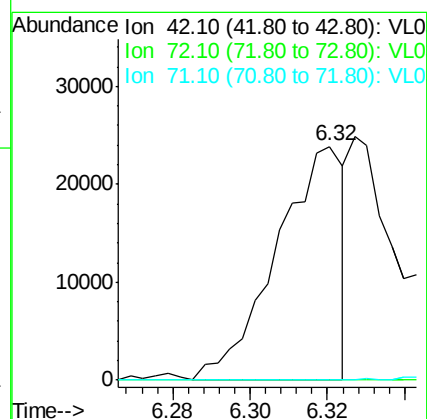
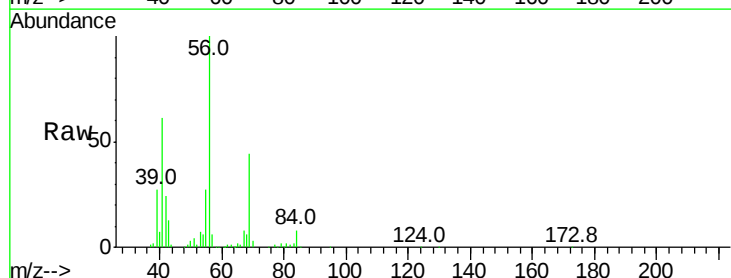
#40
 1,4-Dioxane
 Concen: 4.24 ppbv
 RT: 7.85
 Delta R.T.:
 Lab File: MSVOA_L
 ClientSampleId:
 FSG4
 Acq: 2 Mar 2022 4:14

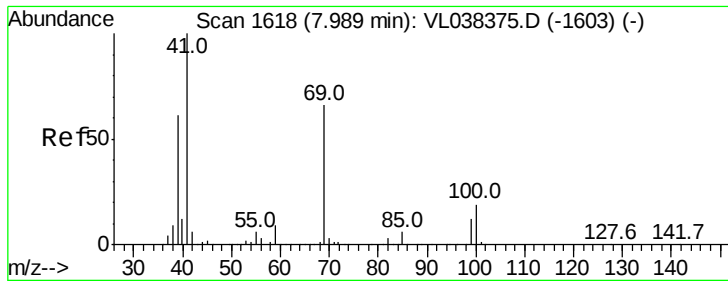
Tgt Ion: 88 Resp: 79453
 Ion Ratio Lower Upper
 88 100
 58 99.2 133.2 199.8#
 43 83.7 330.6 496.0#
 57 269.0 1462.7 2194.1#



#41
 Tetrahydrofuran
 Concen: 0.60 ppbv
 RT: 6.32 min Scan# 1009
 Delta R.T.: 0.29 min
 Lab File: VL038471.D
 Acq: 2 Mar 2022 4:14

Tgt Ion: 42 Resp: 28774
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.9 44.9#
 71 0.0 28.6 42.8#





#43

Methyl Methacrylate

Concen: 0.04 ppbv

RT: 8.01

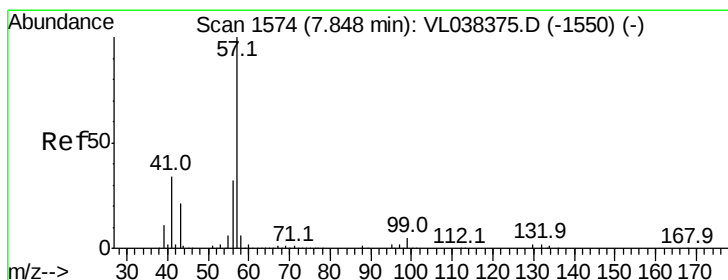
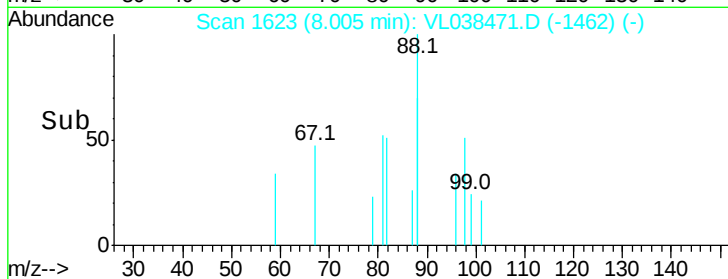
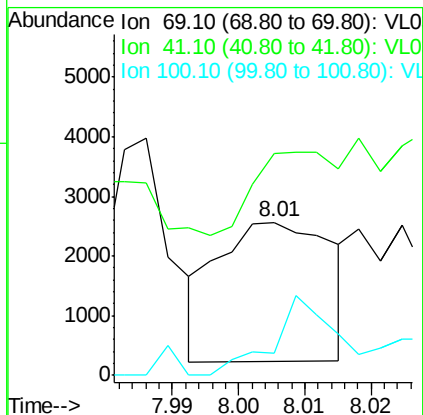
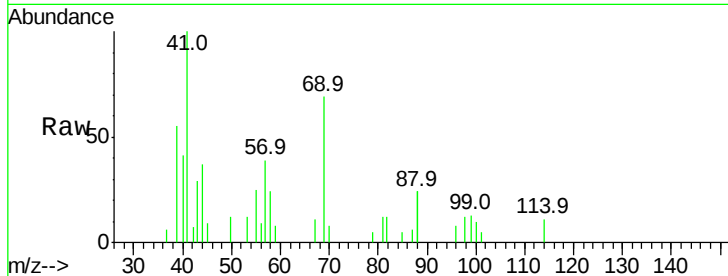
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Mar 2022 4:14

Tgt Ion: 69 Resp: 2772

Ion	Ratio	Lower	Upper
69	100		
41	0.0	122.9	184.3#
100	60.3	23.6	35.4#



#44

2,2,4-Trimethylpentane

Concen: 0.59 ppbv

RT: 7.87 min Scan# 1581

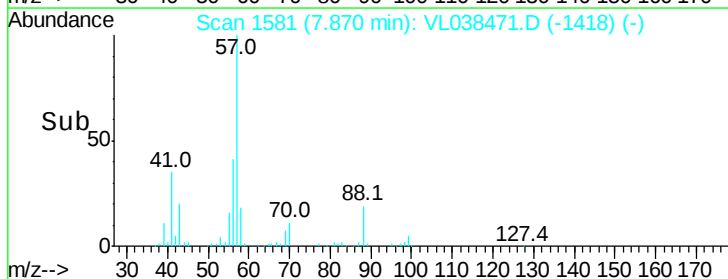
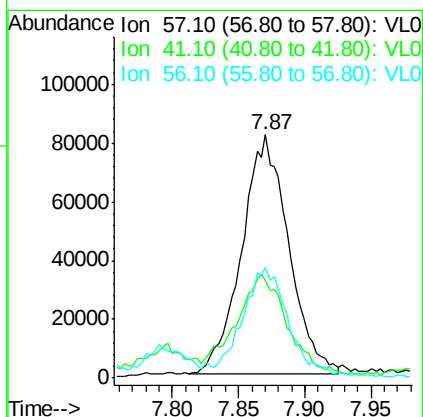
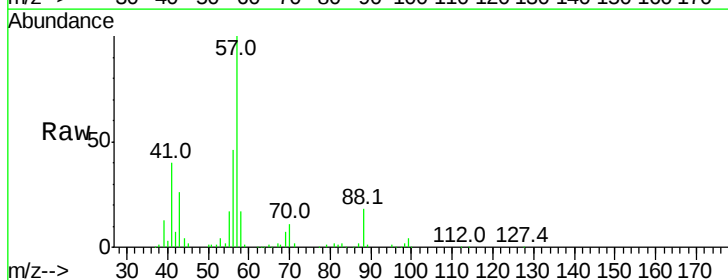
Delta R.T. 0.02 min

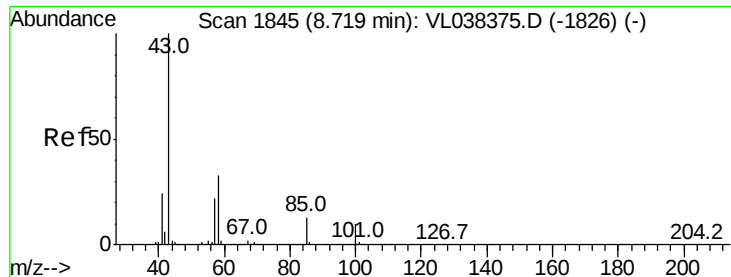
Lab File: VL038471.D

Acq: 2 Mar 2022 4:14

Tgt Ion: 57 Resp: 199862

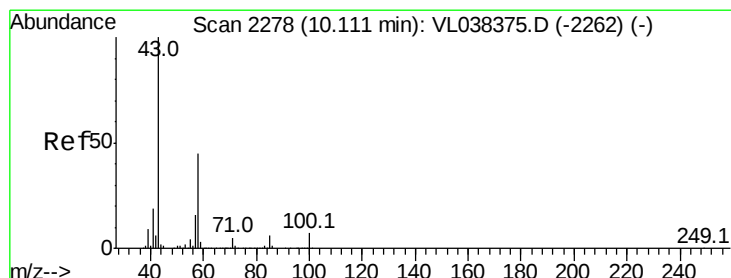
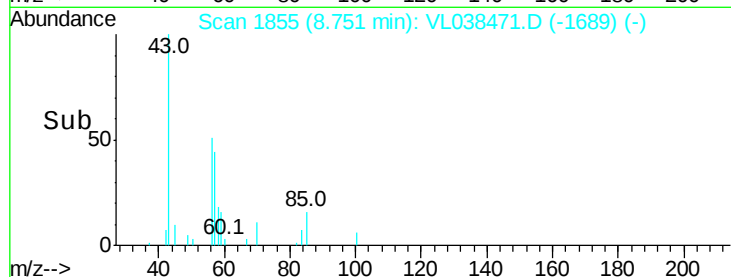
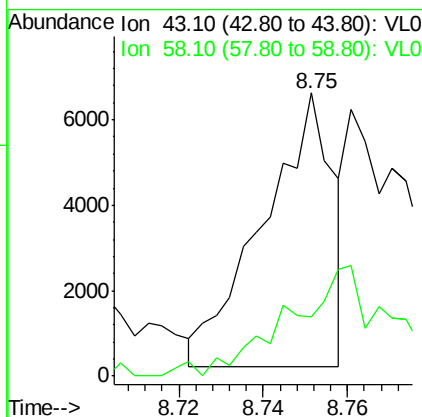
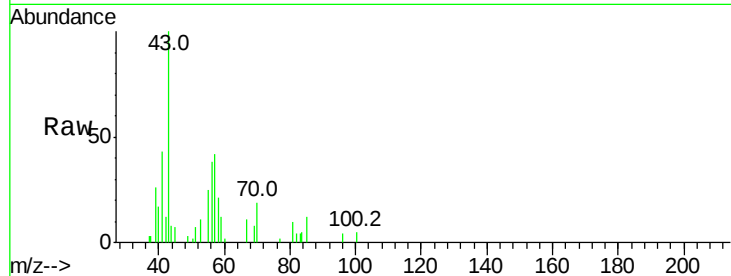
Ion	Ratio	Lower	Upper
57	100		
41	49.5	26.6	39.8#
56	44.3	25.0	37.6#





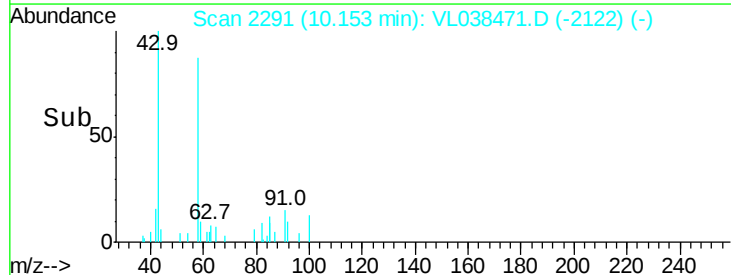
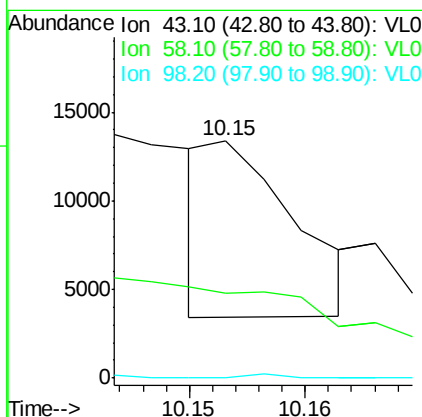
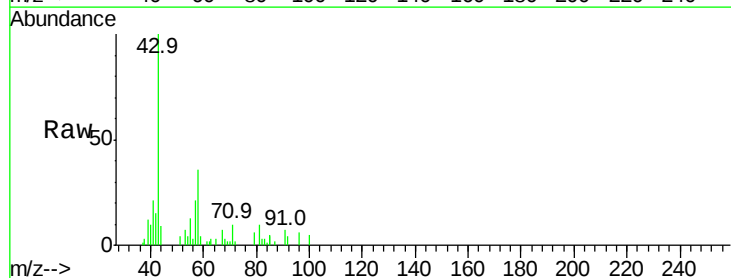
#50
 4-Methyl-2-Pentanone
 Concen: 0.06 ppbv
 RT: 8.75
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 FSG4
 Acq: 2 Mar 2022 4:14

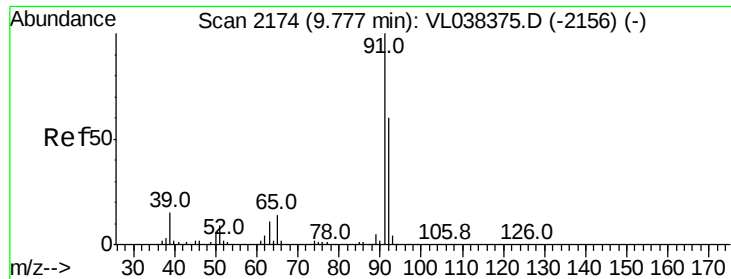
Tgt Ion: 43 Resp: 7420
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.7 41.5#



#51
 2-Hexanone
 Concen: 0.09 ppbv
 RT: 10.15 min Scan# 2291
 Delta R.T. 0.04 min
 Lab File: VL038471.D
 Acq: 2 Mar 2022 4:14

Tgt Ion: 43 Resp: 5104
 Ion Ratio Lower Upper
 43 100
 58 308.9 37.4 56.0#
 98 0.0 0.1 0.1#





#53

Toluene

Concen: 8.54 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

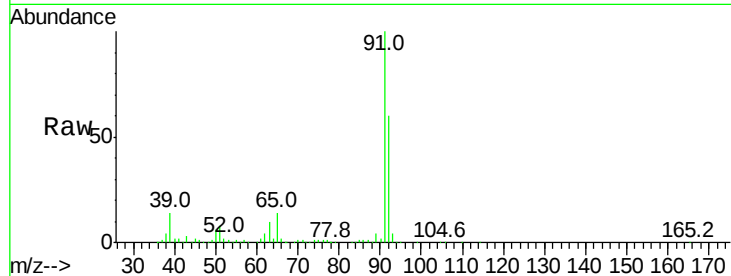
Acq: 2 Mar 2022 4:14 FSG4

Tgt Ion: 91 Resp: 1840559

Ion Ratio Lower Upper

91 100

92 60.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

800000

600000

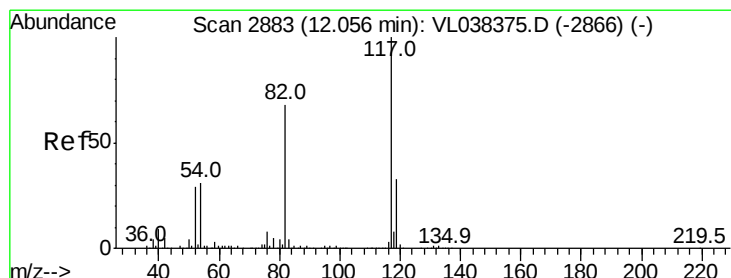
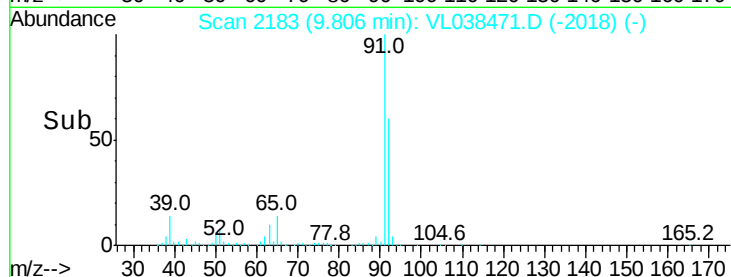
400000

200000

0

9.70 9.80 9.90

Time-->



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.03 min

Lab File: VL038471.D

Acq: 2 Mar 2022 4:14

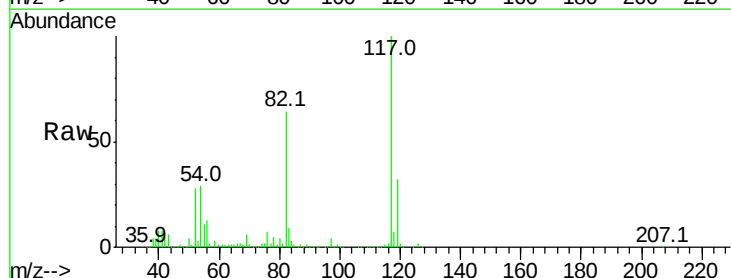
Tgt Ion: 117 Resp: 2005090

Ion Ratio Lower Upper

117 100

82 69.7 54.9 82.3

119 34.1 46.1 69.1#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1000000

800000

600000

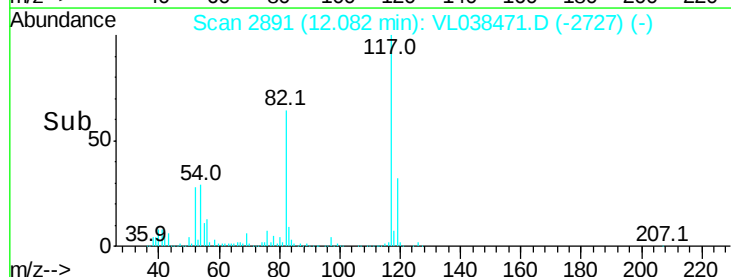
400000

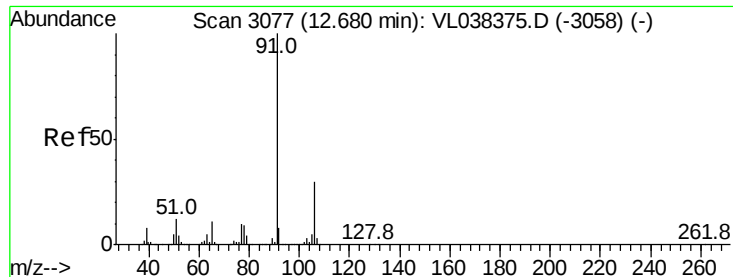
200000

0

12.00 12.10

Time-->





#58

Ethyl Benzene

Concen: 0.73 ppbv

RT: 12.71

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

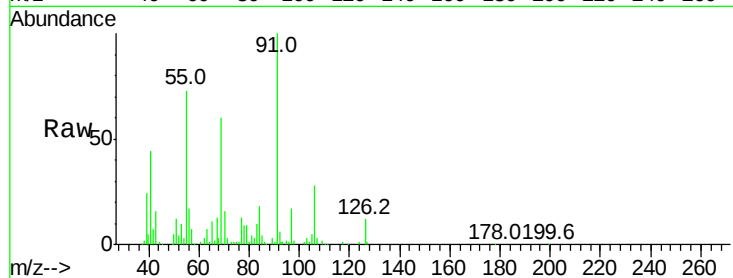
Acq: 2 Mar 2022 4:14

Tgt Ion: 91 Resp: 199000

Ion Ratio Lower Upper

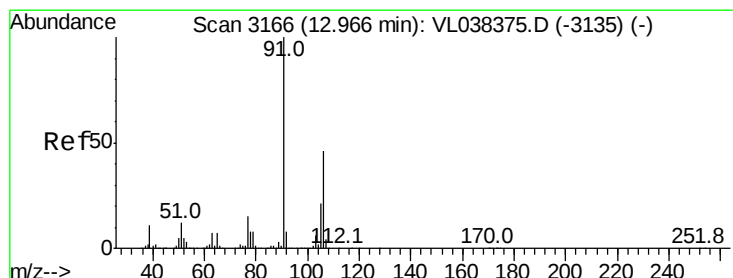
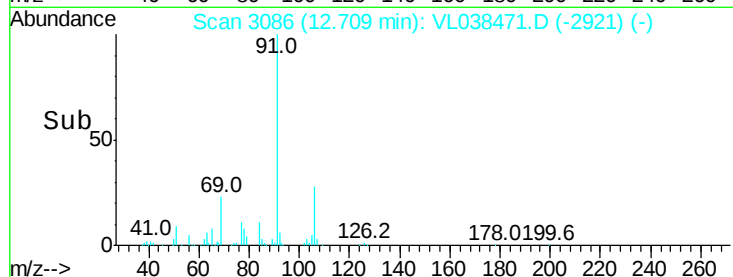
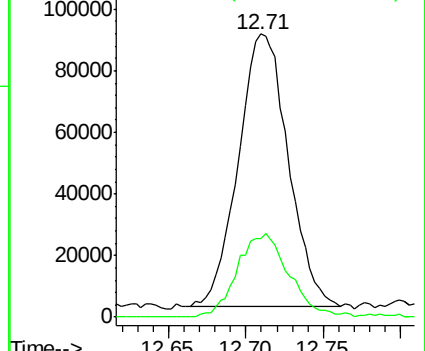
91 100

106 29.0 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1.84 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VL038471.D

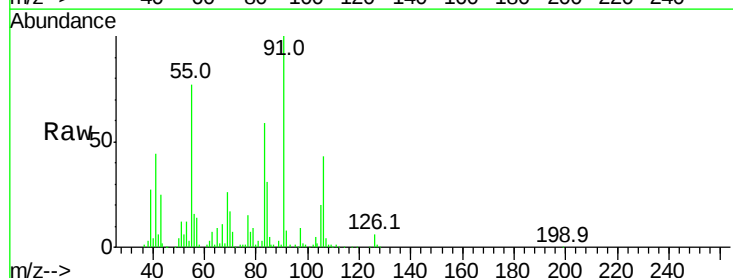
Acq: 2 Mar 2022 4:14

Tgt Ion: 91 Resp: 432216

Ion Ratio Lower Upper

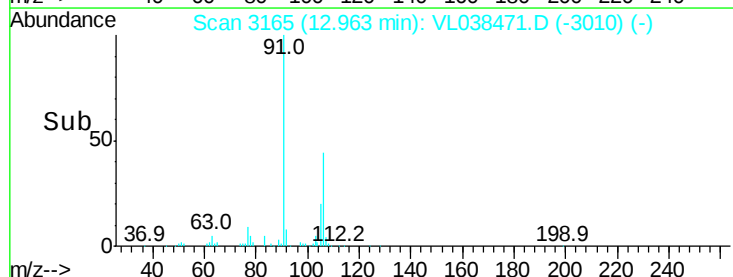
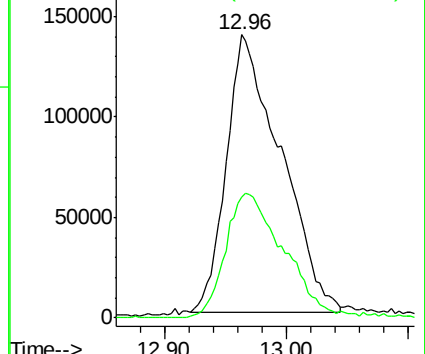
91 100

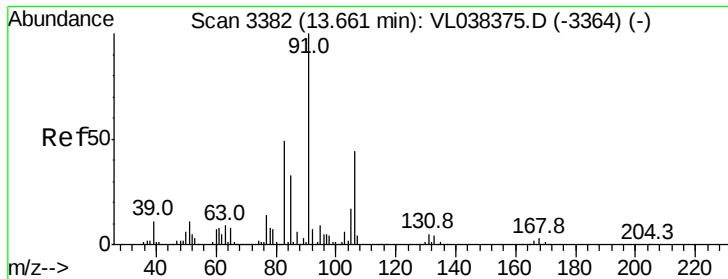
106 48.8 34.4 51.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

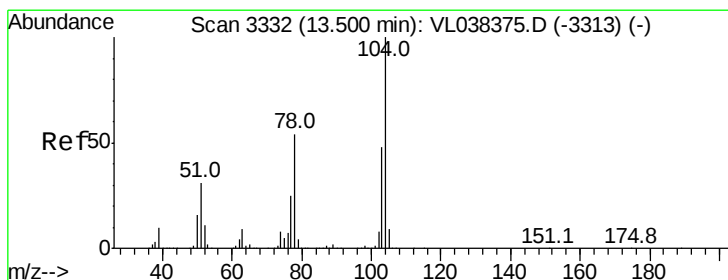
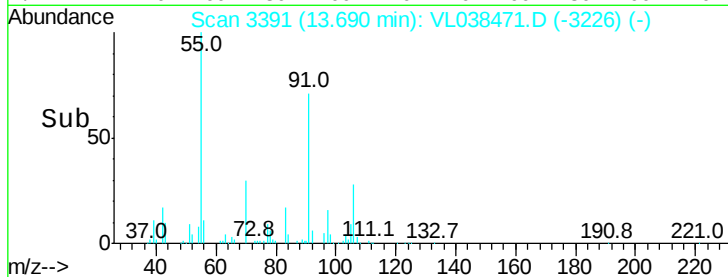
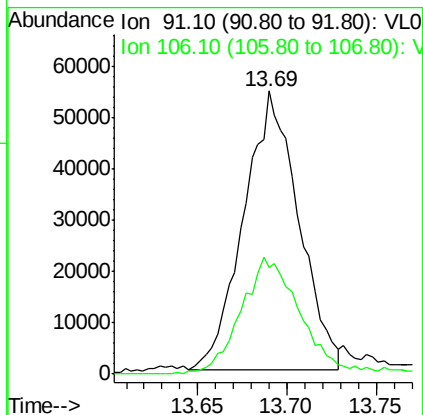
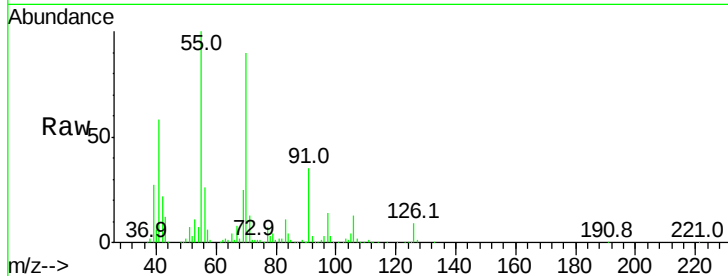
Ion 106.10 (105.80 to 106.80): V





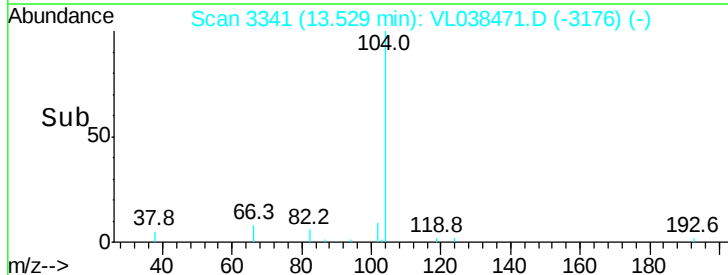
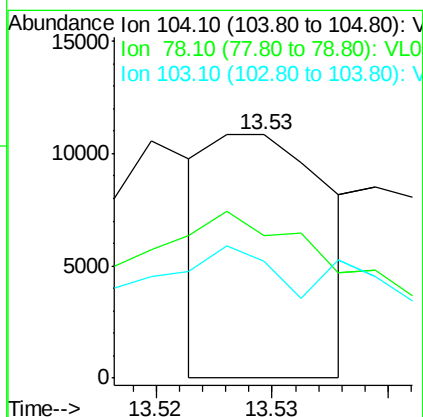
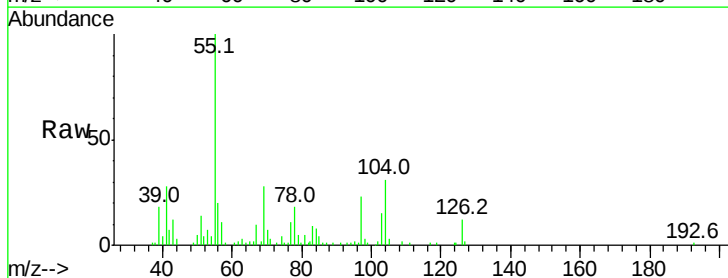
#60
o-Xylene
Concen: 0.53 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 4:14

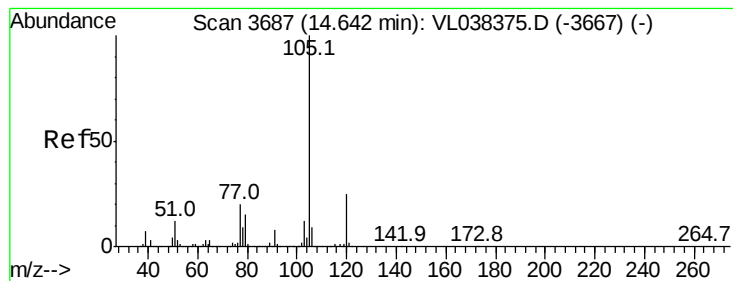
Tgt Ion: 91 Resp: 117040
Ion Ratio Lower Upper
91 100
106 45.5 21.9 65.5



#61
Styrene
Concen: 0.07 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.03 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Tgt Ion: 104 Resp: 7598
Ion Ratio Lower Upper
104 100
78 211.7 44.2 66.4#
103 177.2 38.4 57.6#





#62

Isopropylbenzene

Concen: 8.55 ppbv

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

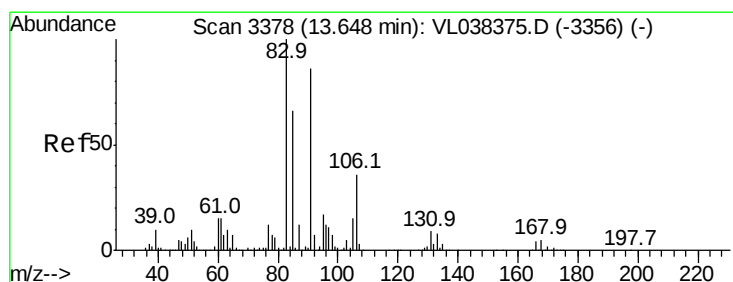
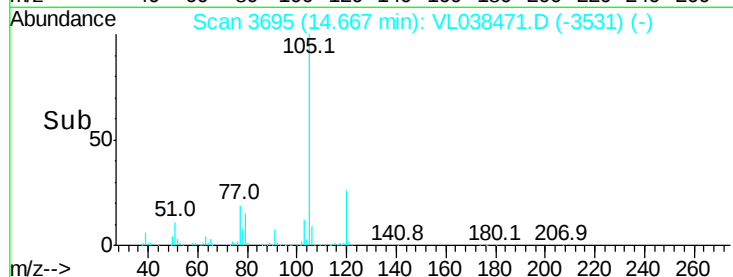
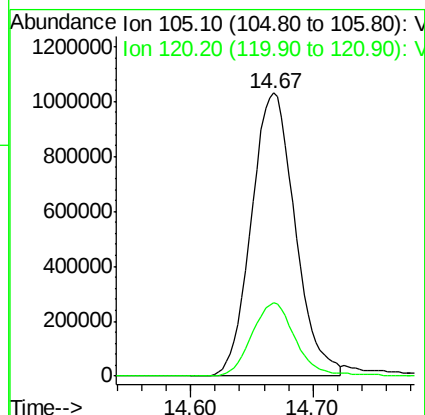
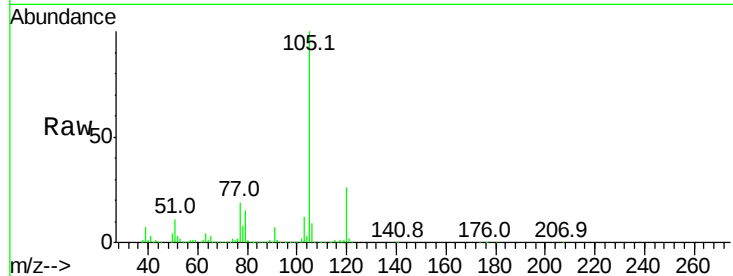
Acq: 2 Mar 2022 4:14

Tgt Ion:105 Resp: 2555257

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8



#63

1,1,2,2-Tetrachloroethane

Concen: 0.05 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.03 min

Lab File: VL038471.D

Acq: 2 Mar 2022 4:14

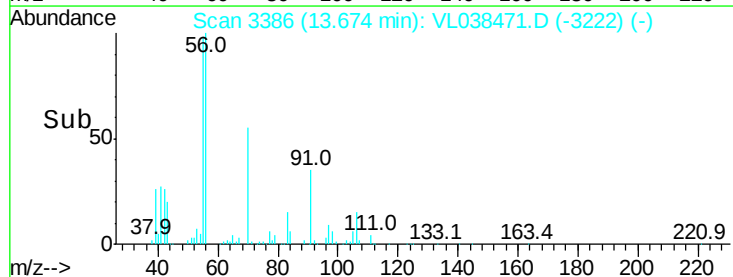
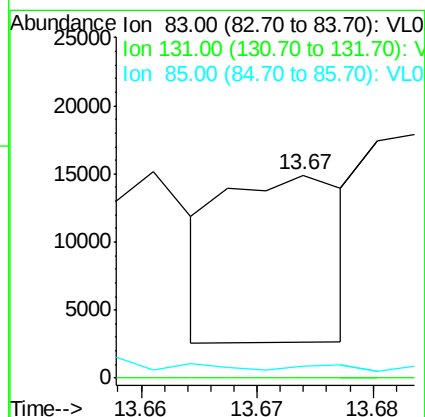
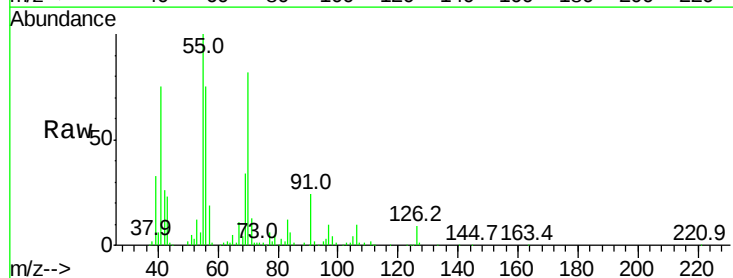
Tgt Ion: 83 Resp: 8890

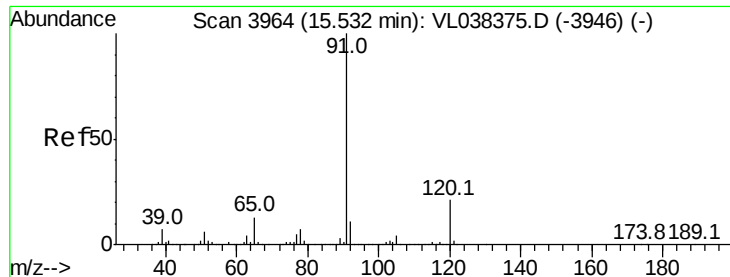
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

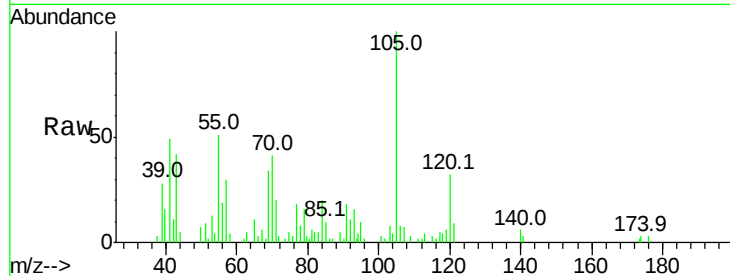
85 0.0 33.0 99.0#



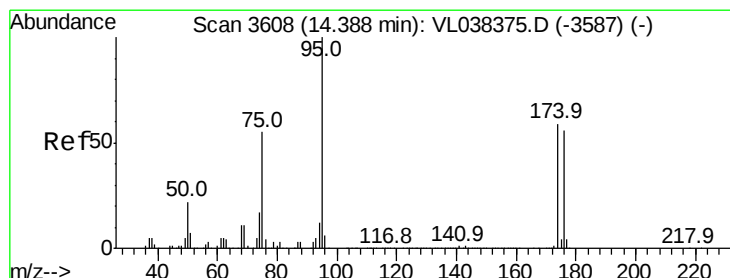
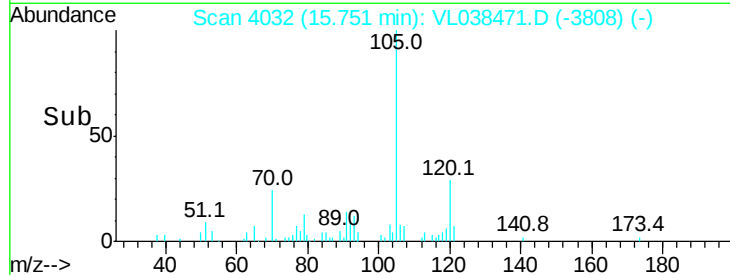
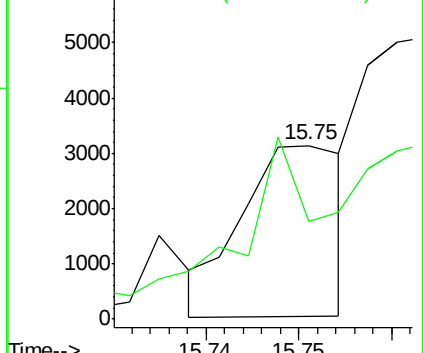


#64
n-propylbenzene
Concen: 0.03 ppbv
RT: 15.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 4:14

Tgt Ion: 120 Resp: 2362
Ion Ratio Lower Upper
120 100
91 405.7 388.1 582.1

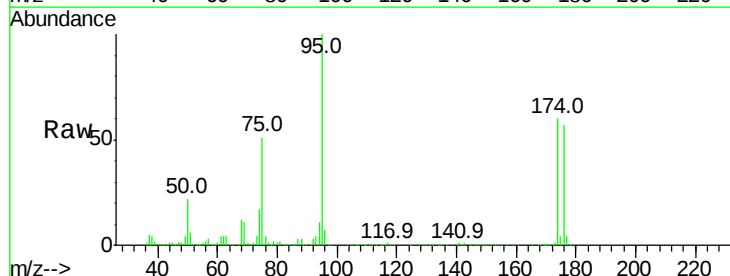


Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

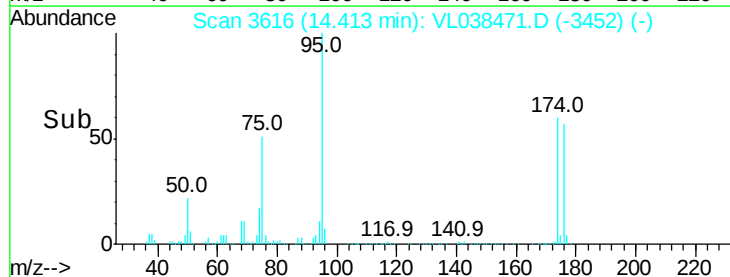
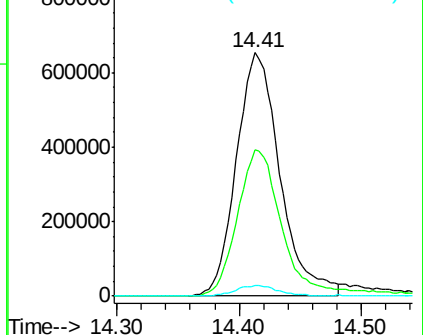


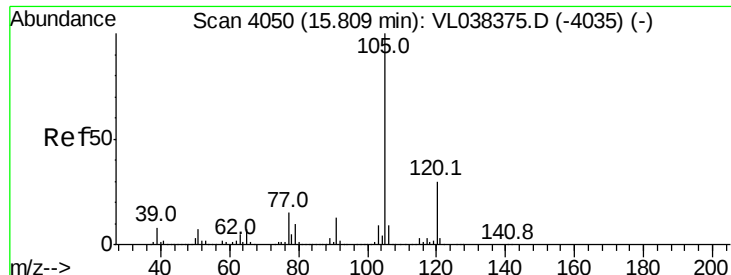
#68
1-Bromo-4-Fluorobenzene
Concen: 9.71 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.03 min
Lab File: VL038471.D
Acq: 2 Mar 2022 4:14

Tgt Ion: 95 Resp: 1610549
Ion Ratio Lower Upper
95 100
174 64.3 49.0 73.4
175 4.5 3.6 5.4



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.04 ppbv

RT: 15.84

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 2 Mar 2022 4:14

Tgt Ion:105 Resp: 9488

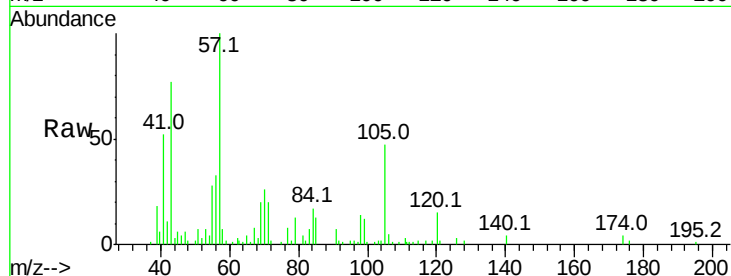
Ion Ratio Lower Upper

105 100

120 80.2 23.4 35.2#

91 63.4 10.4 15.6#

77 65.1 11.6 17.4#



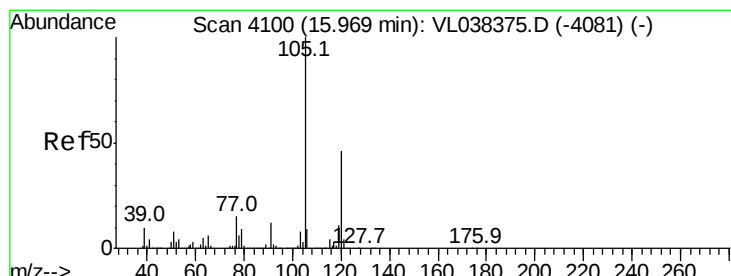
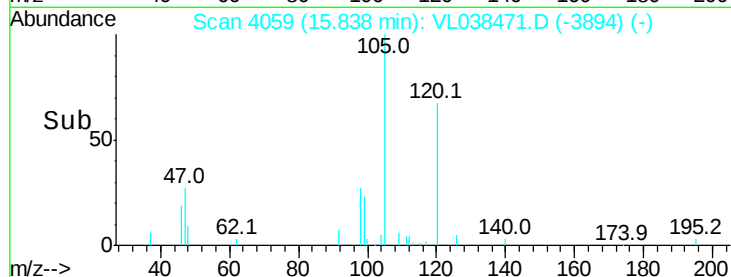
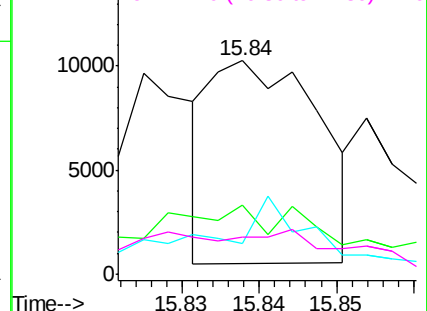
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.04 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL038471.D

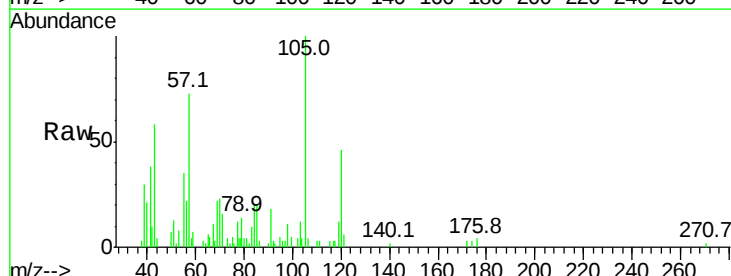
Acq: 2 Mar 2022 4:14

Tgt Ion:105 Resp: 8761

Ion Ratio Lower Upper

105 100

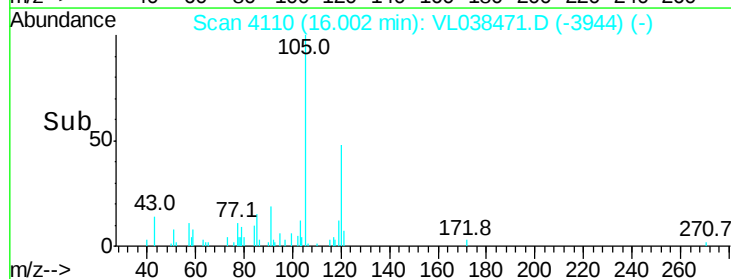
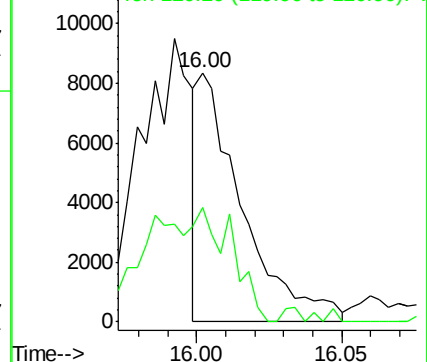
120 47.5 36.6 55.0

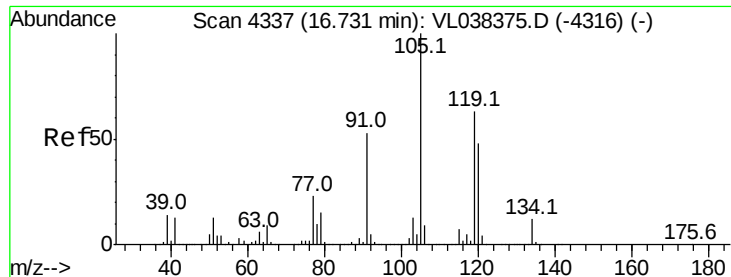


Abundance

Ion 105.10 (104.80 to 105.80): V

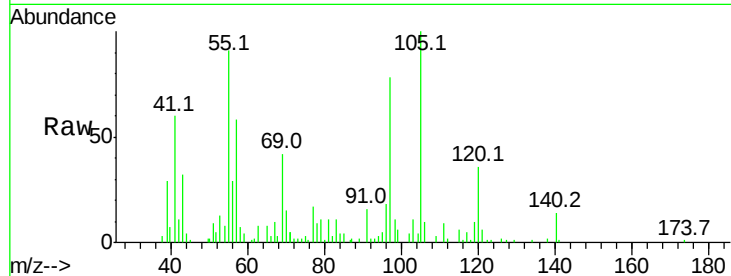
Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.14 ppbv
 RT: 16.76
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 FSG4
 Acq: 2 Mar 2022 4.14

Tgt Ion:	105	Resp:	32312
Ion Ratio	Lower	Upper	
105	100		
120	36.2	38.2	57.4#
91	10.3	42.7	64.1#
77	13.2	18.5	27.7#



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

