

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038413.D
 Acq On : 23 Feb 2022 18:22
 Operator : SY/AP
 Sample : N1607-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-3

Quant Time: Feb 24 07:28:51 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	5.66	49	873995	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2289430	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.07	117	2009701	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1565165	9.41	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	31715	0.23	ppbv	96
3) Chlorodifluoromethane	3.03	51	91969	0.60	ppbv #	60
4) Chloromethane	3.14	50	7539	0.14	ppbv	96
9) Propene	3.01	41	12227	0.24	ppbv #	53
10) Heptane	8.11	43	270553	2.18	ppbv	97
11) Trichlorofluoromethane	3.95	101	25036	0.19	ppbv #	79
13) Ethanol	3.61	45	137432	27.02	ppbv	91
15) Acetone	3.85	43	419609	5.65	ppbv	99
16) 1,3-Butadiene	3.30	39	29345	0.59	ppbv #	18
17) tert-Butyl alcohol	4.30	59	50837	0.69	ppbv #	90
19) Isopropyl Alcohol	3.97	45	148731	3.46	ppbv #	1
20) Methylene Chloride	4.34	84	955306	25.94	ppbv	97
23) Vinyl Acetate	5.05	43	20531	0.21	ppbv #	1
25) Ethyl Acetate	5.68	43	426467	2.14	ppbv #	77
26) Hexane	5.68	57	601590	6.65	ppbv #	43
27) Carbon Disulfide	4.95	76	109218	1.09	ppbv #	68
30) Cyclohexane	7.12	84	57999	0.78	ppbv #	80
34) 2-Butanone	5.25	43	17176	0.24	ppbv #	70
36) Benzene	6.88	78	36557	0.18	ppbv #	87
39) 1,2-Dichloropropane	7.17	63	552187	6.88	ppbv #	25
41) Tetrahydrofuran	6.05	42	27696	0.57	ppbv #	89
44) 2,2,4-Trimethylpentane	7.86	57	298712	0.86	ppbv #	77
51) 2-Hexanone	10.10	43	118956	2.09	ppbv #	34
53) Toluene	9.80	91	1486562	6.79	ppbv	99
58) Ethyl Benzene	12.70	91	238685	0.87	ppbv	99
59) m/p-Xylene	12.95	91	831083	3.52	ppbv	91
60) o-Xylene	13.68	91	194634	0.87	ppbv	94
62) Isopropylbenzene	14.65	105	60505	0.20	ppbv #	66
64) n-propylbenzene	15.55	120	50569	0.68	ppbv	70
65) tert-Butylbenzene	16.74	119	92715	0.36	ppbv #	67
66) Benzyl Chloride	16.95	91	1297	0.09	ppbv #	1
67) sec-Butylbenzene	17.28	105	107705	0.29	ppbv	100
69) p-Isopropyltoluene	17.52	119	104446	0.36	ppbv	97
70) n-Butylbenzene	18.54	91	65549	0.22	ppbv #	1
71) 2-Chlorotoluene	15.55	91	272858	1.18	ppbv #	48
72) 4-Ethyltoluene	15.83	105	251288	1.02	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.98	105	280577	1.26	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	859744	3.65	ppbv #	67
79) Naphthalene	22.18	128	6635	0.05	ppbv #	86
80) Naphthalene,2-methyl-	24.96	142	11291	0.45	ppbv #	70

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ClientSampleId :
MP-3

Quant Time: Feb 24 07:28:51 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

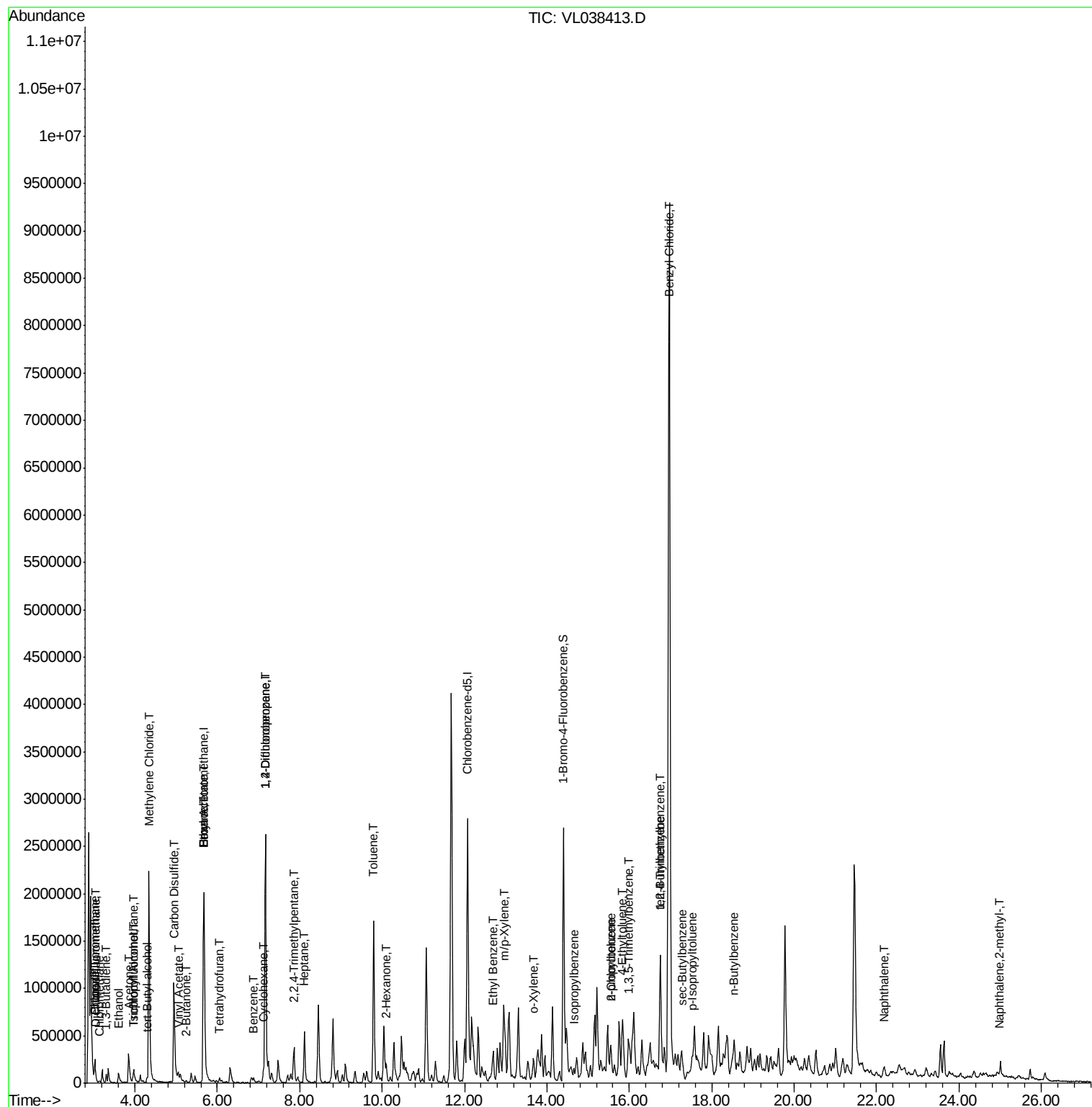
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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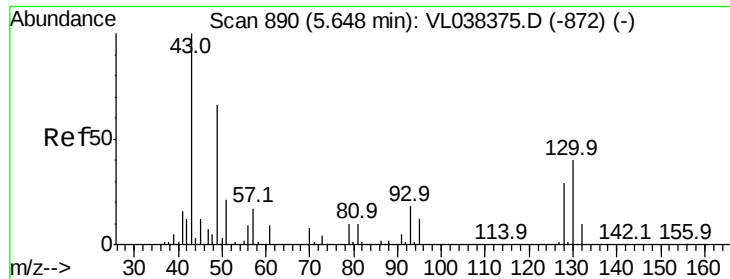
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 18:22 MP-3

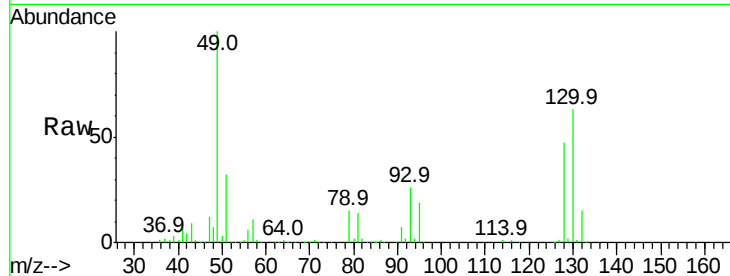
Tgt Ion: 49 Resp: 873995

Ion Ratio Lower Upper

49 100

128 49.5 24.3 72.9

130 63.5 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

5.66

400000

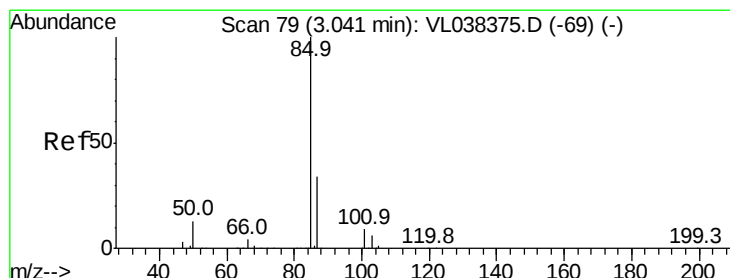
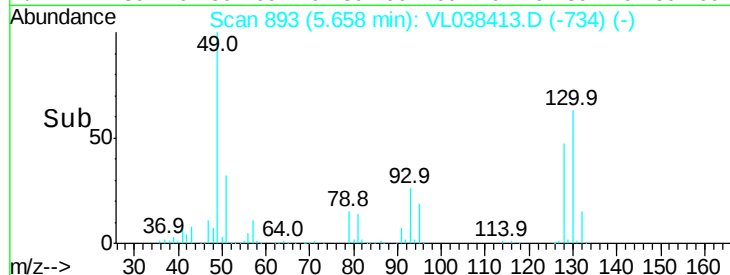
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.23 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL038413.D

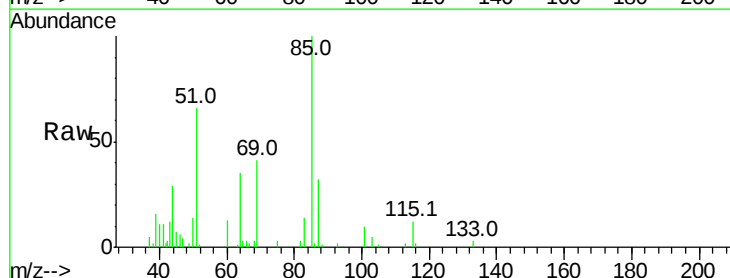
Acq: 23 Feb 2022 18:22

Tgt Ion: 85 Resp: 31715

Ion Ratio Lower Upper

85 100

87 32.0 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

20000

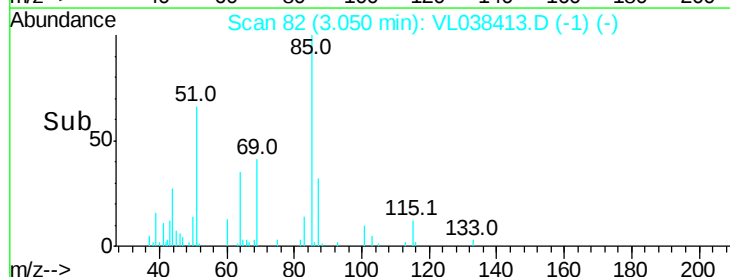
15000

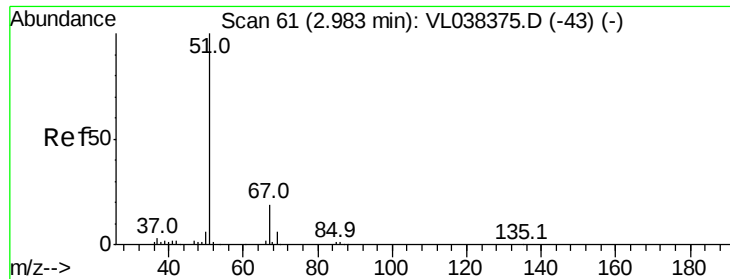
10000

5000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.60 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

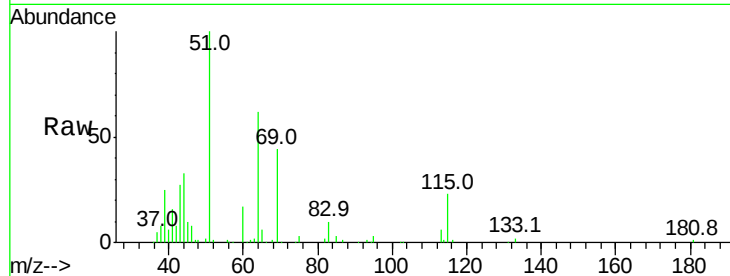
Acq: 23 Feb 2022 18:22 MP-3

Tgt Ion: 51 Resp: 91969

Ion Ratio Lower Upper

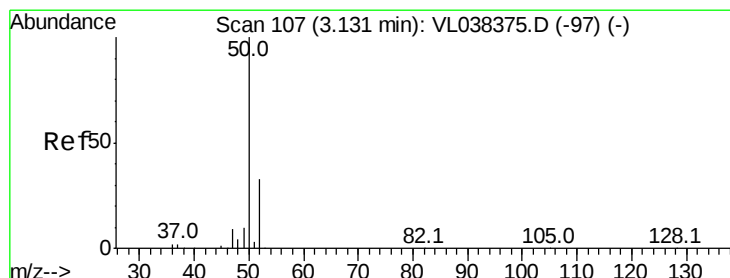
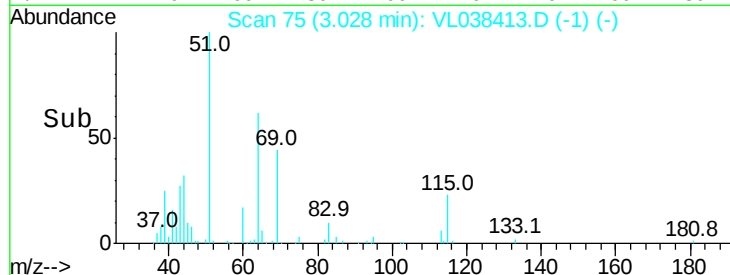
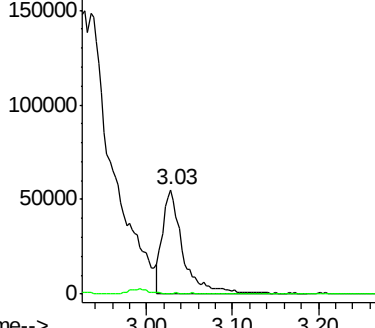
51 100

67 0.8 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: 0.14 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL038413.D

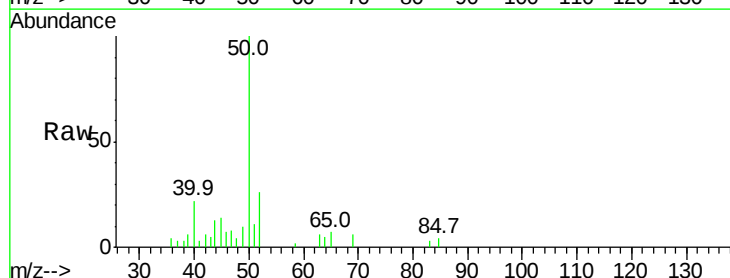
Acq: 23 Feb 2022 18:22

Tgt Ion: 50 Resp: 7539

Ion Ratio Lower Upper

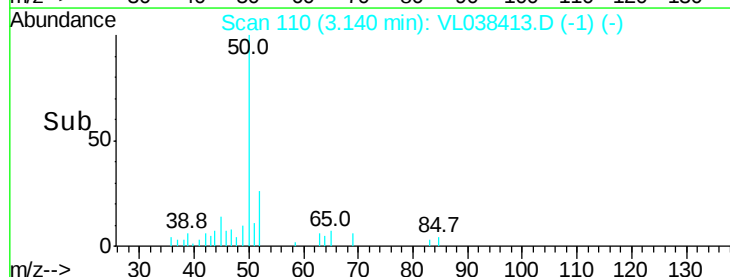
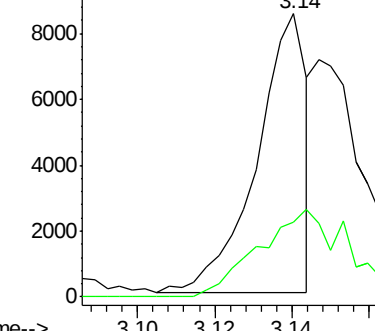
50 100

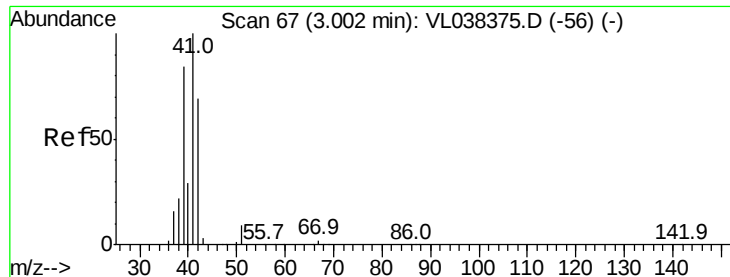
52 30.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.24 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-3

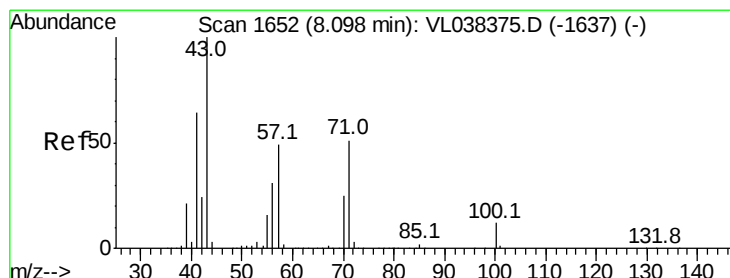
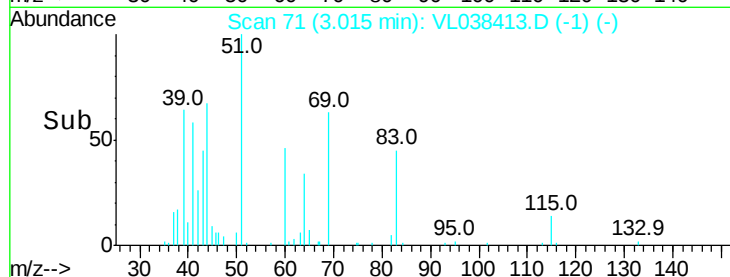
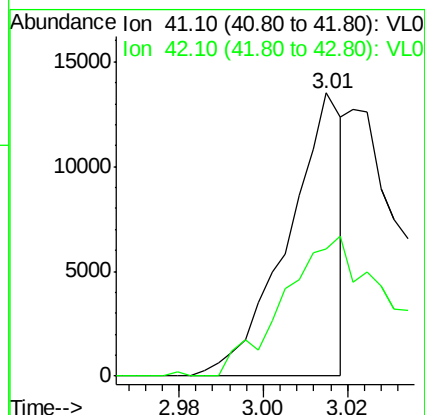
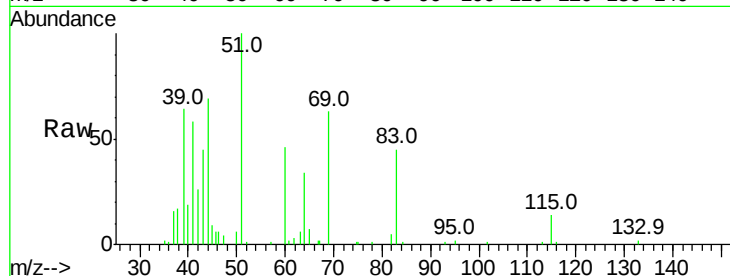
Acq: 23 Feb 2022 18:22

Tgt Ion: 41 Resp: 12227

Ion Ratio Lower Upper

41 100

42 106.1 54.6 82.0#



#10

Heptane

Concen: 2.18 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL038413.D

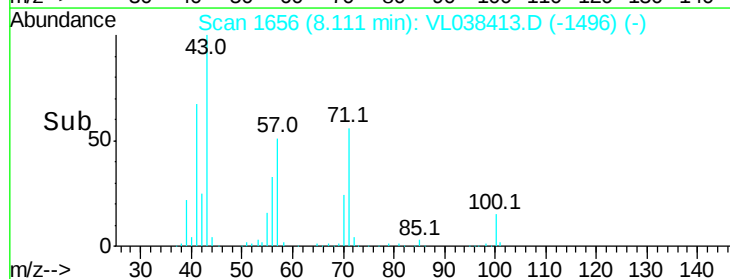
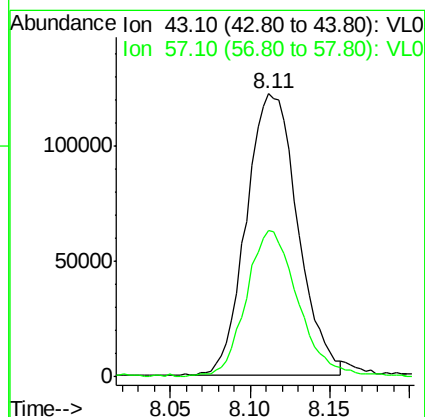
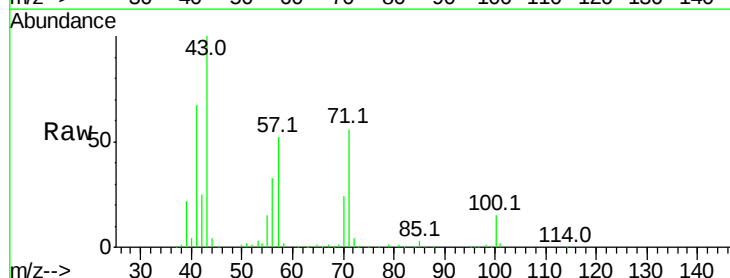
Acq: 23 Feb 2022 18:22

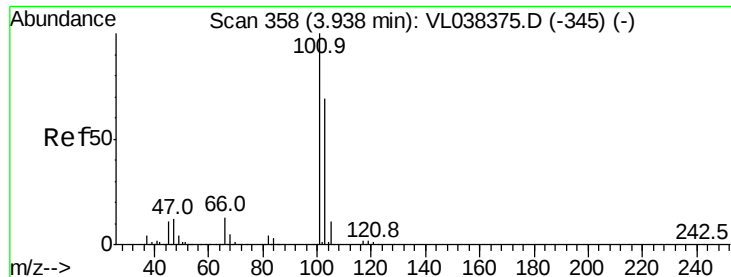
Tgt Ion: 43 Resp: 270553

Ion Ratio Lower Upper

43 100

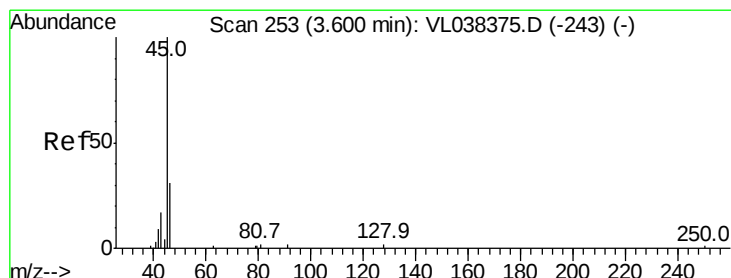
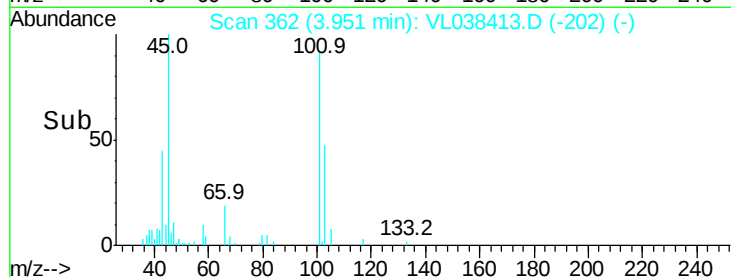
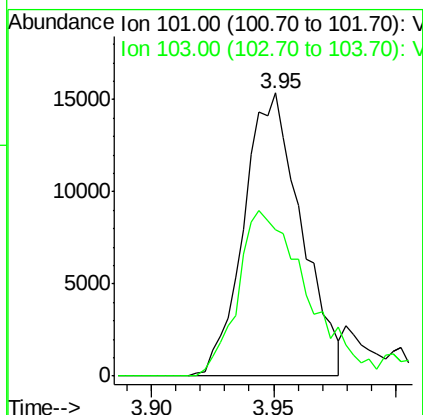
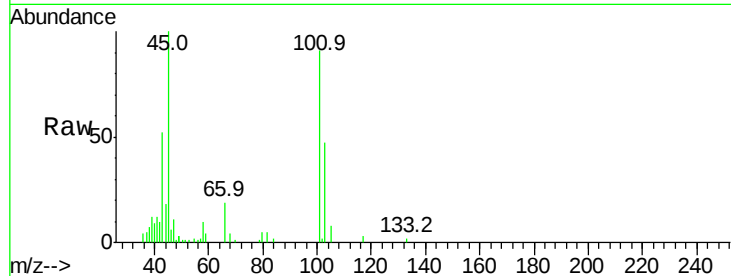
57 52.1 39.8 59.8





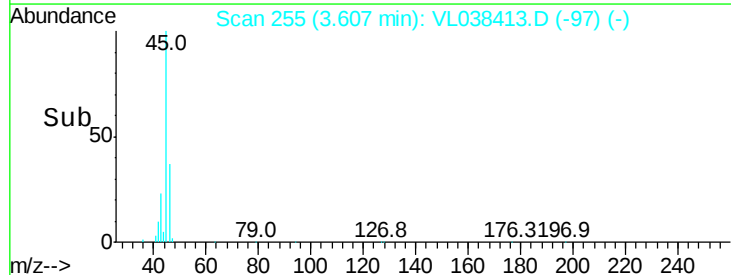
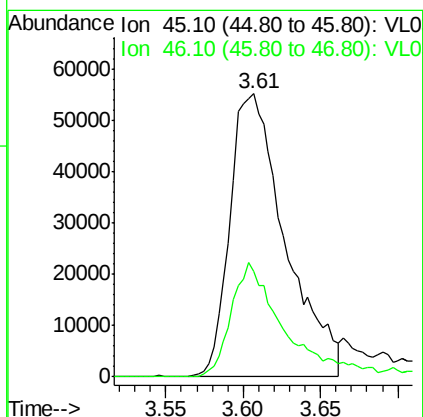
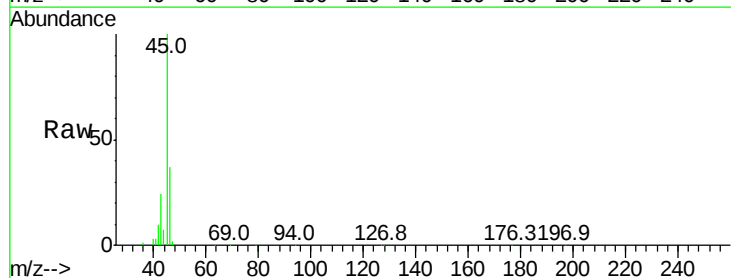
#11
 Trichlorofluoromethane
 Concen: 0.19 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Feb 2022 18:22

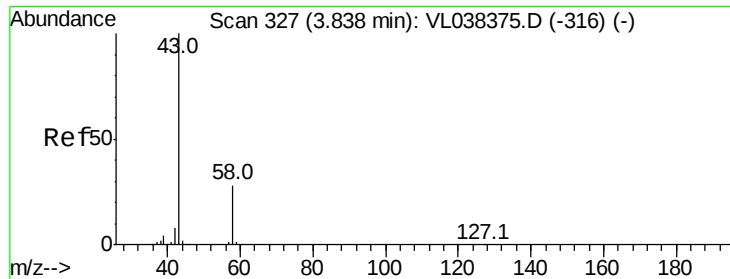
Tgt Ion: 101 Resp: 25036
 Ion Ratio Lower Upper
 101 100
 103 51.9 55.0 82.4#



#13
 Ethanol
 Concen: 27.02 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. 0.01 min
 Lab File: VL038413.D
 Acq: 23 Feb 2022 18:22

Tgt Ion: 45 Resp: 137432
 Ion Ratio Lower Upper
 45 100
 46 39.6 18.2 72.8





#15

Acetone

Concen: 5.65 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

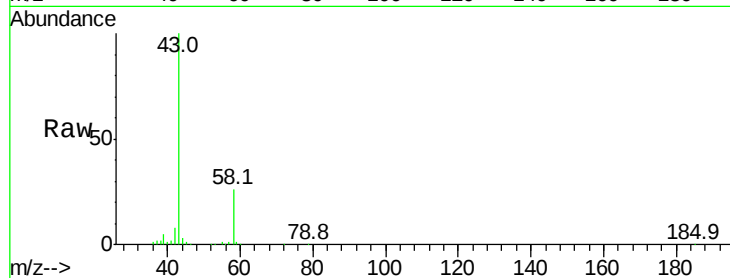
Acq: 23 Feb 2022 18:22 MP-3

Tgt Ion: 43 Resp: 419609

Ion Ratio Lower Upper

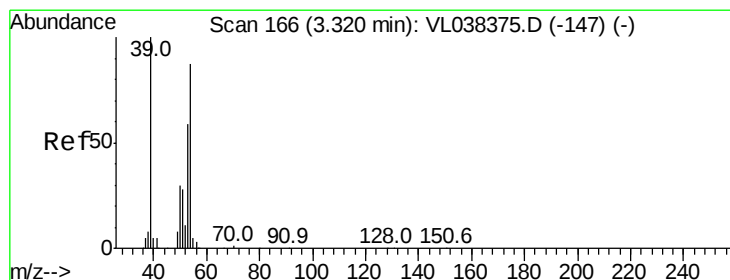
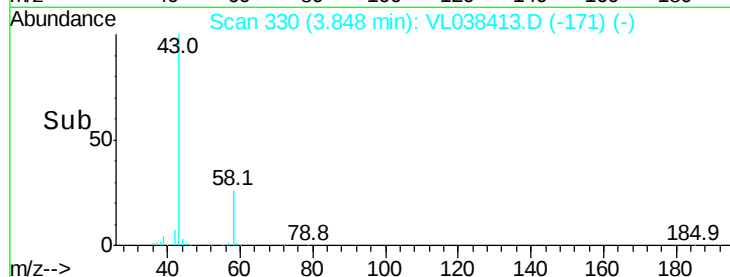
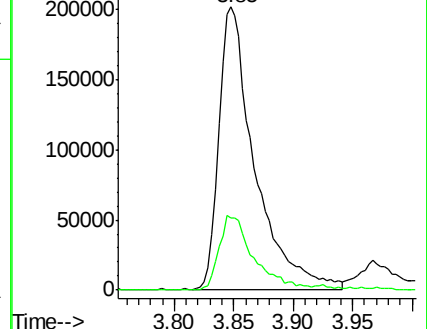
43 100

58 26.5 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.59 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL038413.D

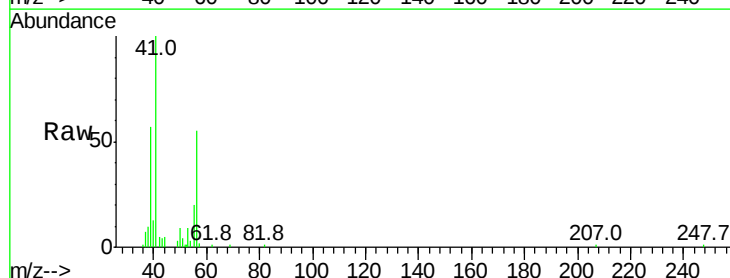
Acq: 23 Feb 2022 18:22

Tgt Ion: 39 Resp: 29345

Ion Ratio Lower Upper

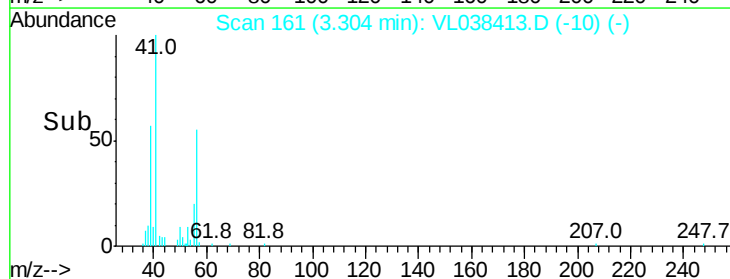
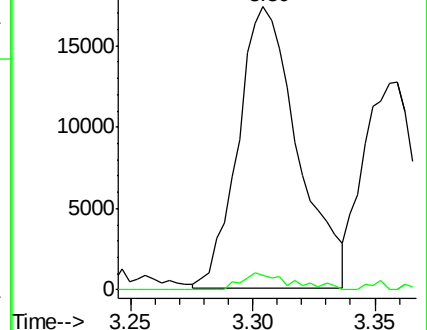
39 100

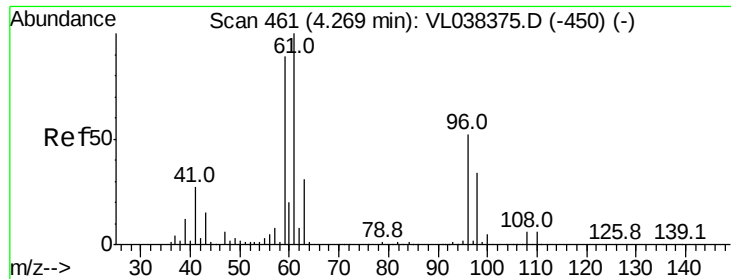
54 5.0 60.3 90.5#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.69 ppbv

RT: 4.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

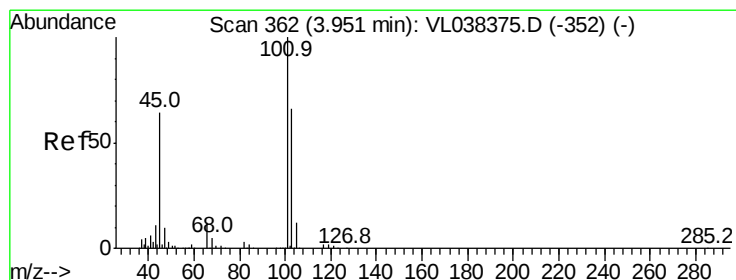
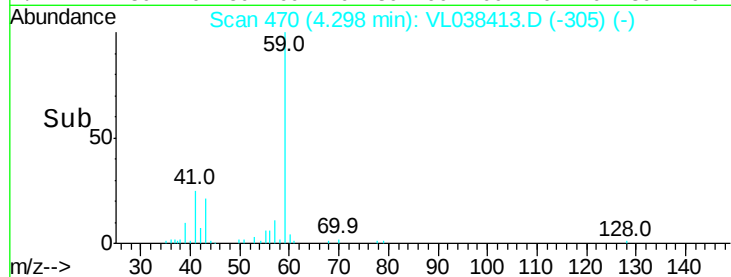
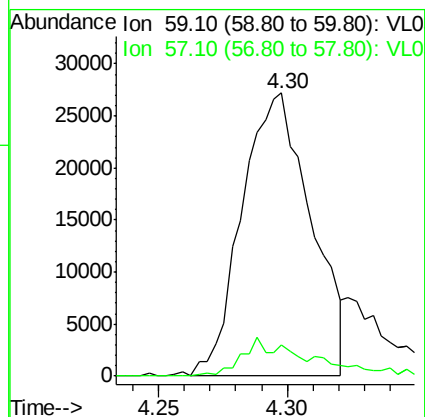
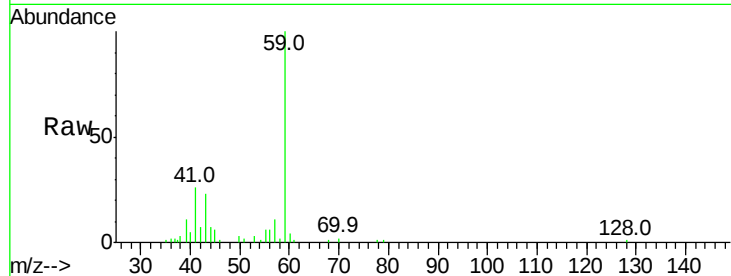
Acq: 23 Feb 2022 18:22

Tgt Ion: 59 Resp: 50837

Ion Ratio Lower Upper

59 100

57 14.3 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 3.46 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL038413.D

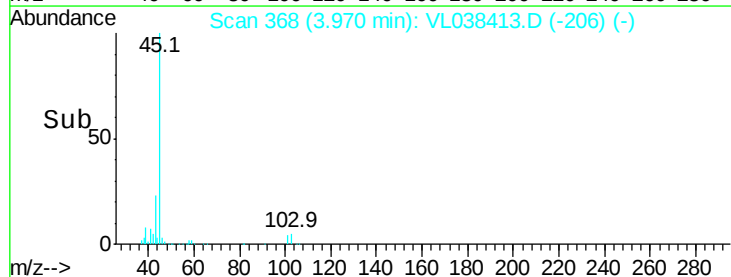
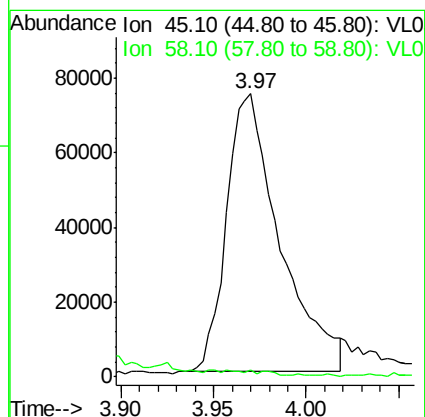
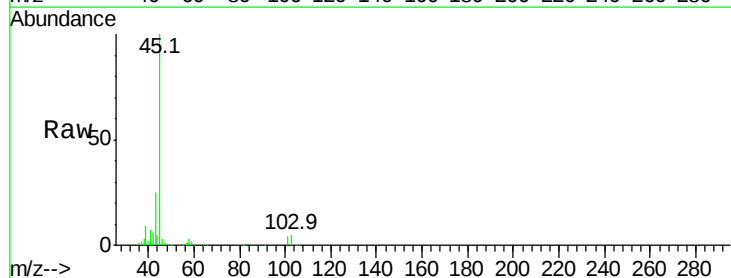
Acq: 23 Feb 2022 18:22

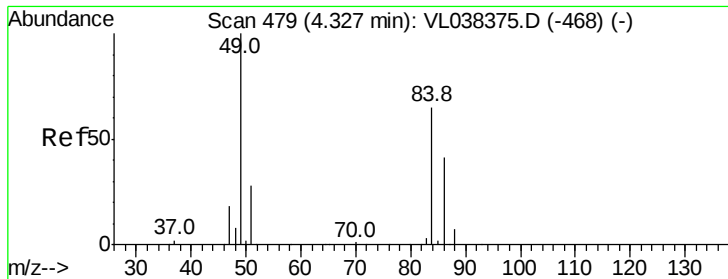
Tgt Ion: 45 Resp: 148731

Ion Ratio Lower Upper

45 100

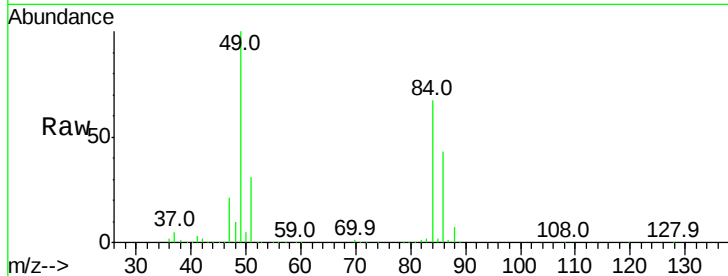
58 79.1 1.8 2.8#





#20
Methylene Chloride
Concen: 25.94 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-3
Acq: 23 Feb 2022 18:22

Tgt Ion:	84	Resp:	955306
Ion	Ratio	Lower	Upper
84	100		
49	149.1	122.4	183.6
51	46.1	33.3	49.9
86	63.9	50.7	76.1

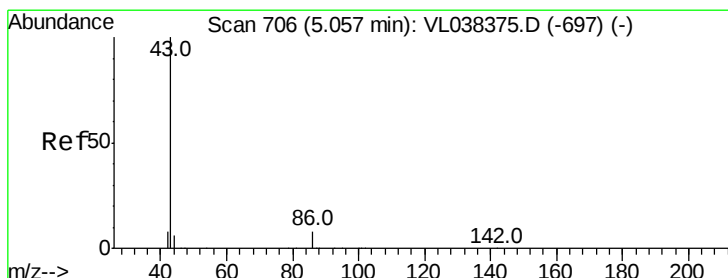
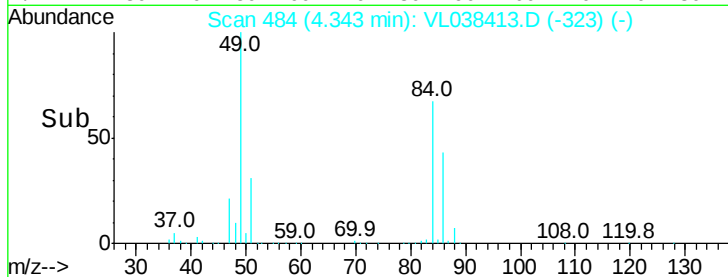
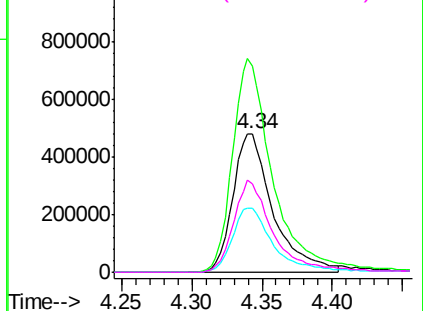


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

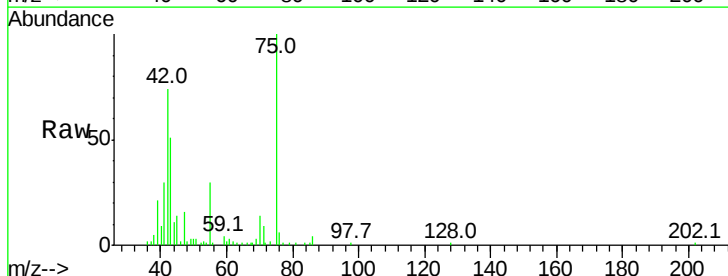
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.21 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL038413.D
Acq: 23 Feb 2022 18:22

Tgt Ion:	43	Resp:	20531
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.6
42	149.5	7.4	11.0#
44	7.4	4.2	6.2#

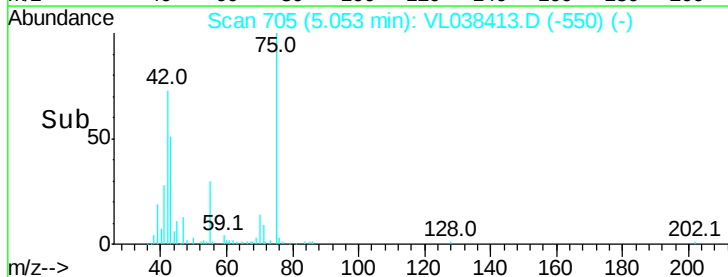
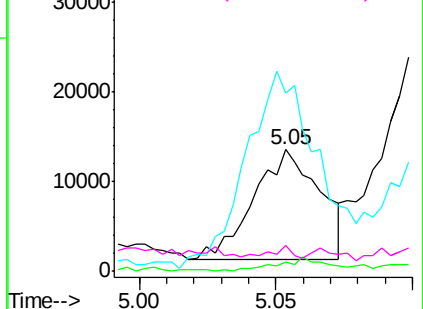


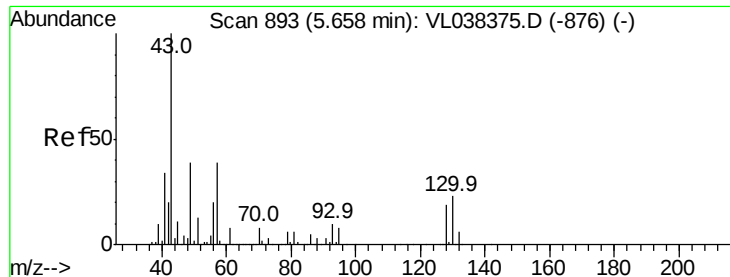
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 2.14 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

MP-3

Acq: 23 Feb 2022 18:22

Tgt Ion: 43 Resp: 426467

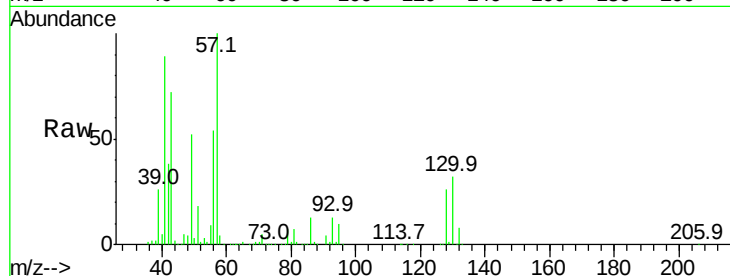
Ion Ratio Lower Upper

43 100

45 0.1 7.8 11.6#

61 0.3 7.5 11.3#

70 1.5 5.4 8.0#

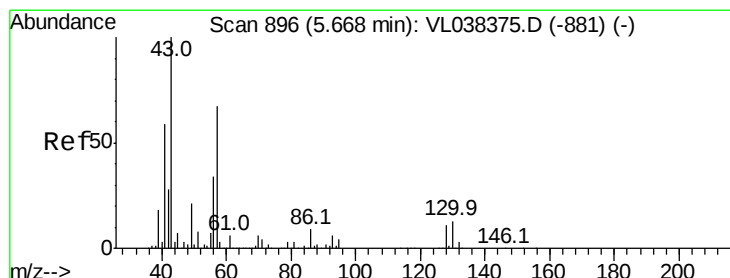
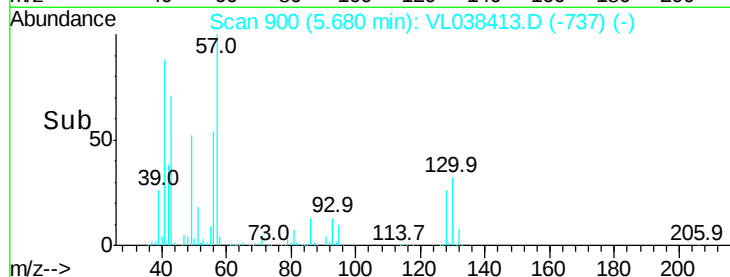
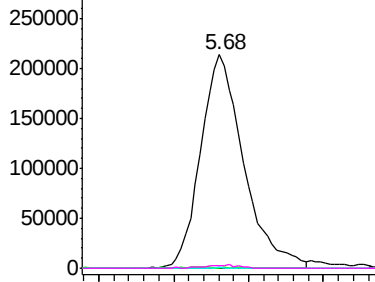


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 6.65 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL038413.D

Acq: 23 Feb 2022 18:22

Tgt Ion: 57 Resp: 601590

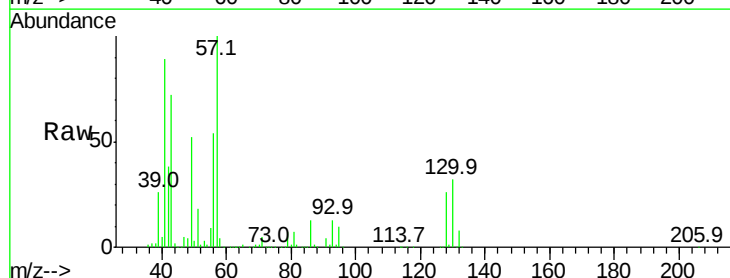
Ion Ratio Lower Upper

57 100

41 90.3 73.1 109.7

43 73.8 181.0 271.4#

56 55.5 43.4 65.0

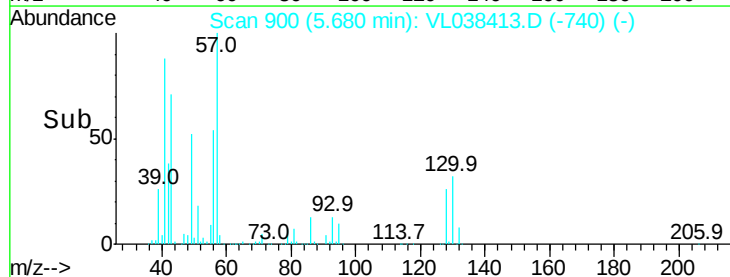
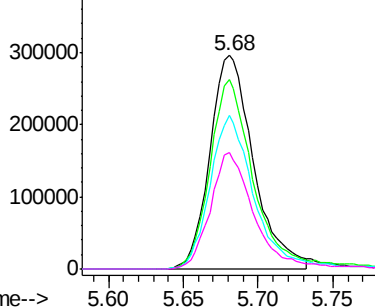


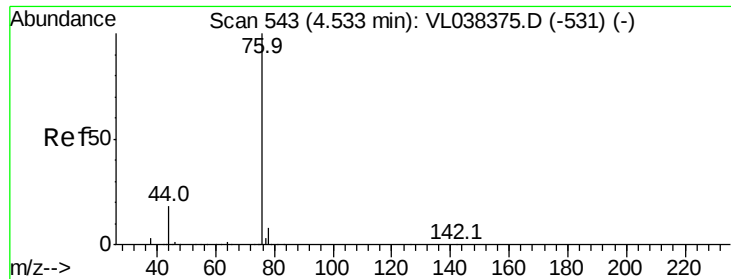
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.09 ppbv

RT: 4.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 18:22 MP-3

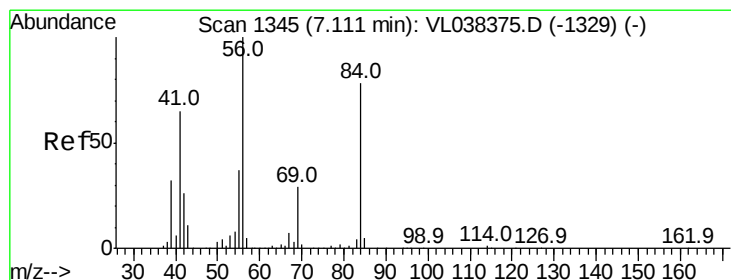
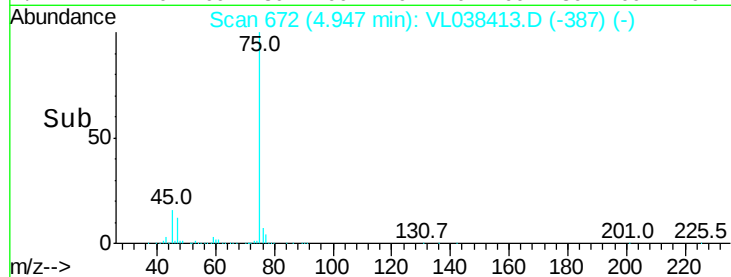
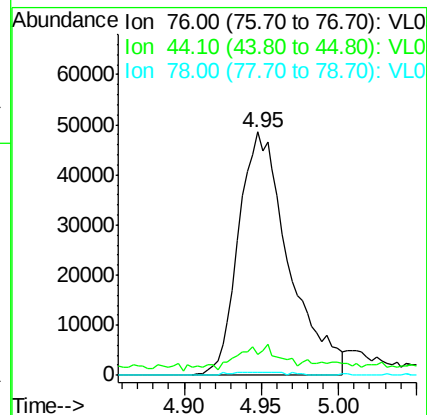
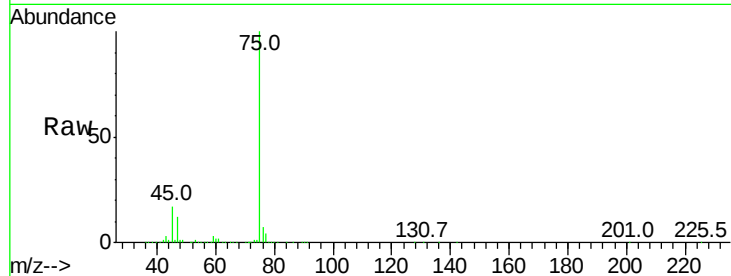
Tgt Ion: 76 Resp: 109218

Ion Ratio Lower Upper

76 100

44 2.3 14.2 21.2#

78 0.1 7.8 11.6#



#30

Cyclohexane

Concen: 0.78 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VL038413.D

Acq: 23 Feb 2022 18:22

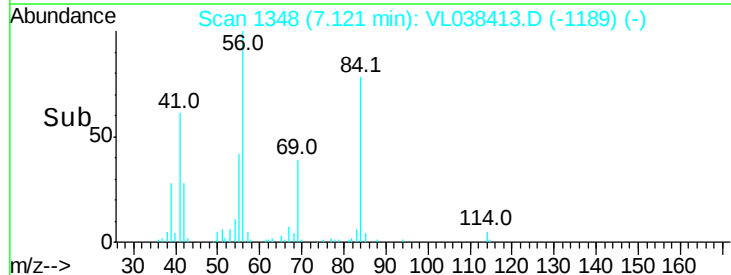
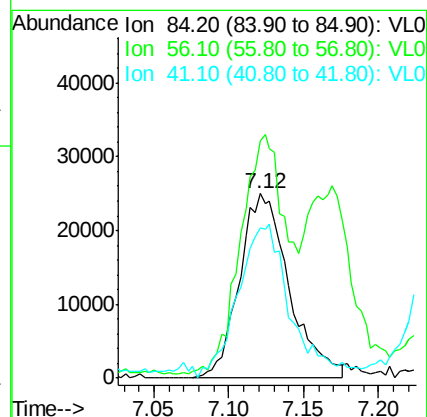
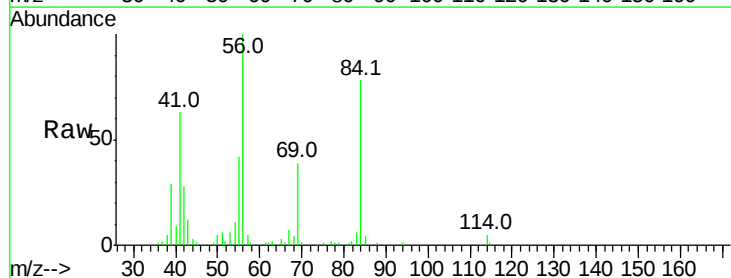
Tgt Ion: 84 Resp: 57999

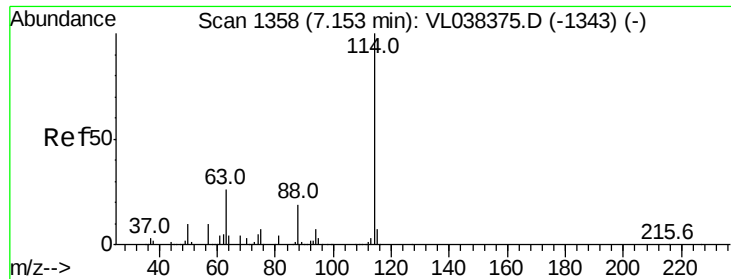
Ion Ratio Lower Upper

84 100

56 114.4 116.2 174.4#

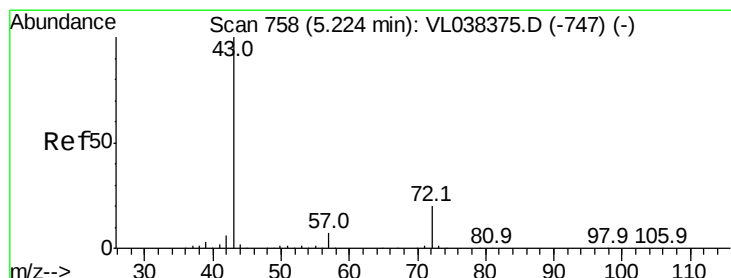
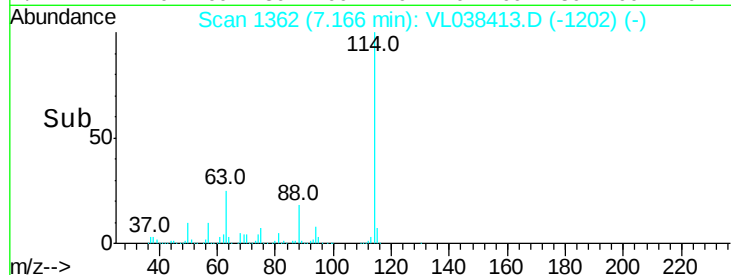
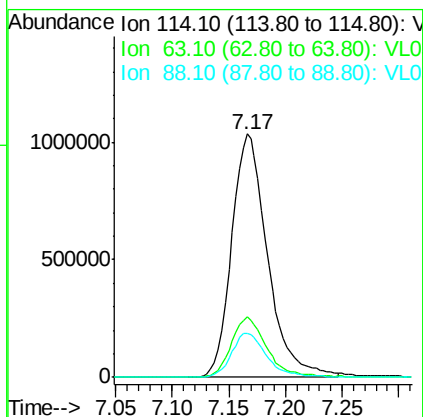
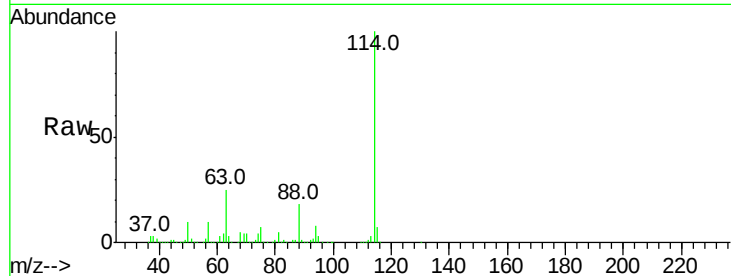
41 80.7 74.3 111.5





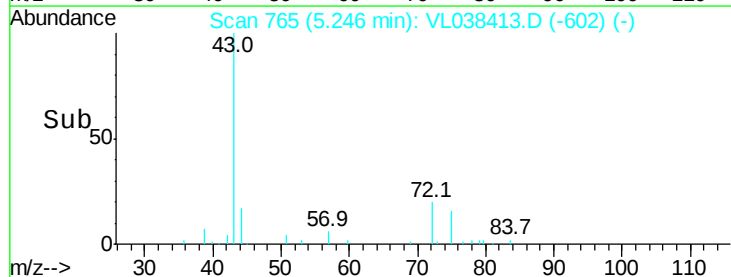
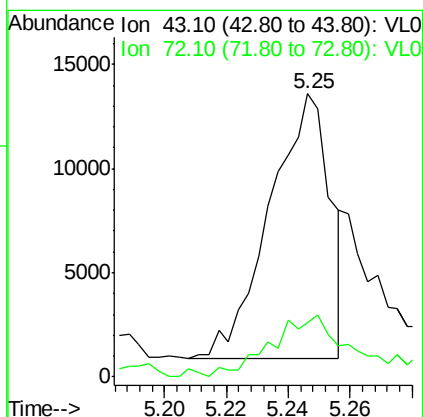
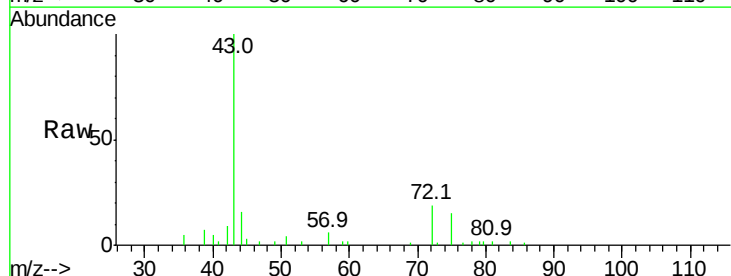
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 MP-3
 Acq: 23 Feb 2022 18:22

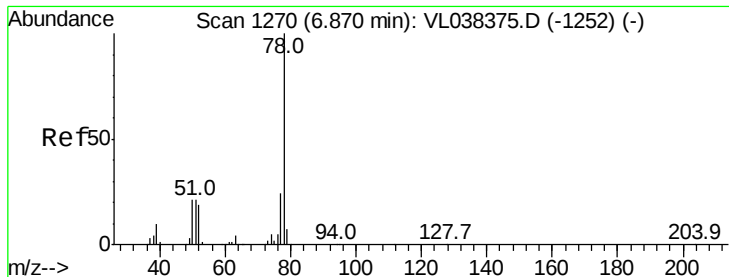
Tgt Ion:114 Resp: 2289430
 Ion Ratio Lower Upper
 114 100
 63 24.8 22.2 33.2
 88 18.0 15.2 22.8



#34
 2-Butanone
 Concen: 0.24 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL038413.D
 Acq: 23 Feb 2022 18:22

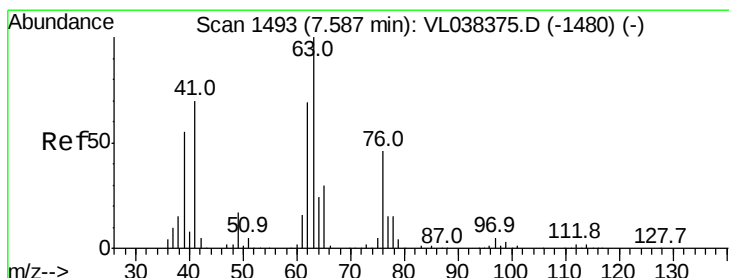
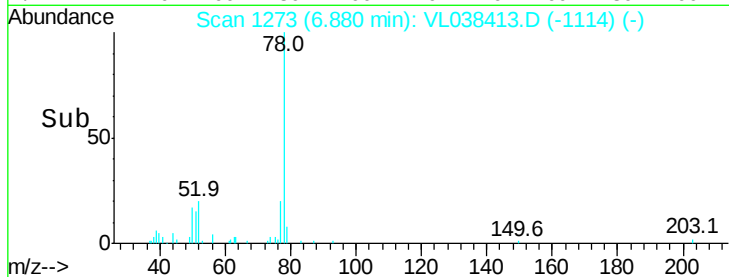
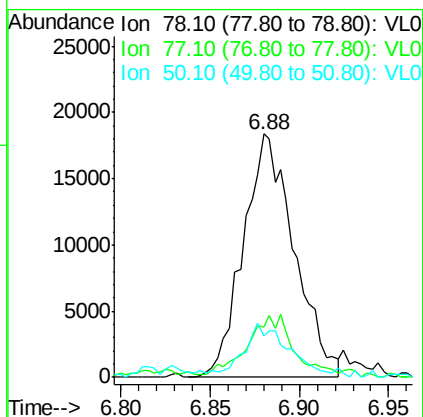
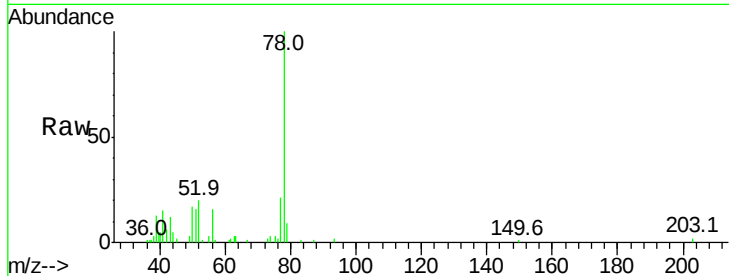
Tgt Ion: 43 Resp: 17176
 Ion Ratio Lower Upper
 43 100
 72 35.9 17.4 26.2#





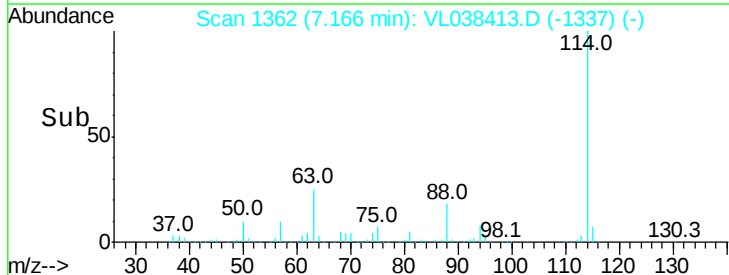
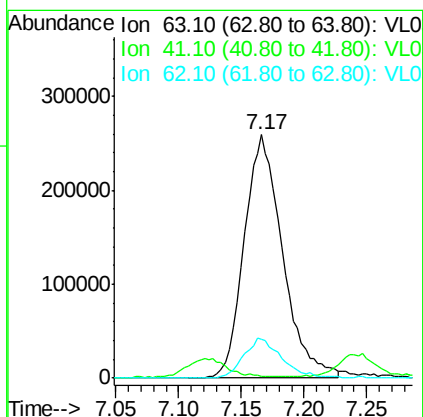
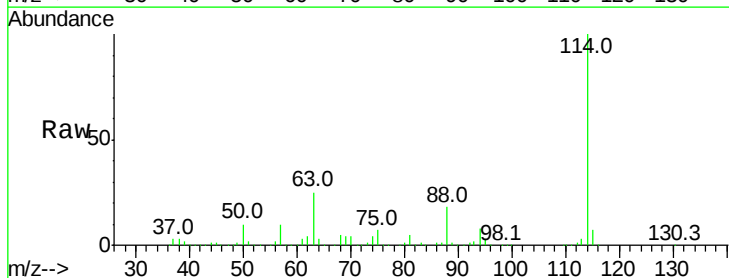
#36
Benzene
Concen: 0.18 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampled :
MP-3
Acq: 23 Feb 2022 18:22

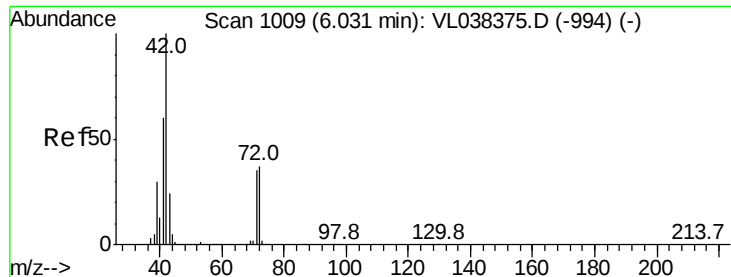
Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.1	19.0	28.6
50	13.0	16.6	24.8#



#39
1,2-Dichloropropane
Concen: 6.88 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.42 min
Lab File: VL038413.D
Acq: 23 Feb 2022 18:22

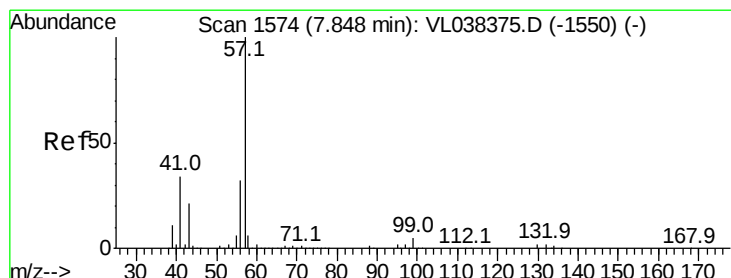
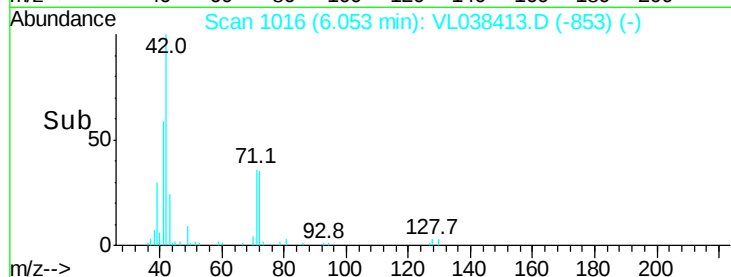
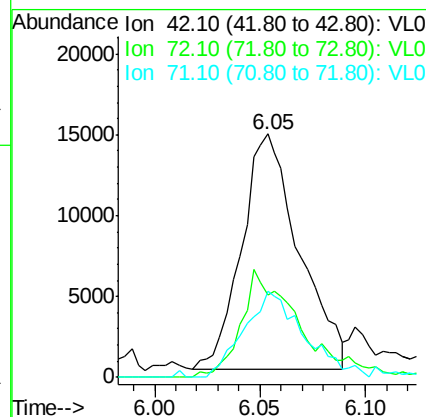
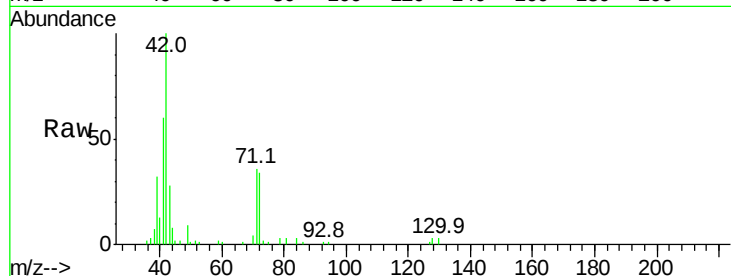
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.1	55.5	83.3#





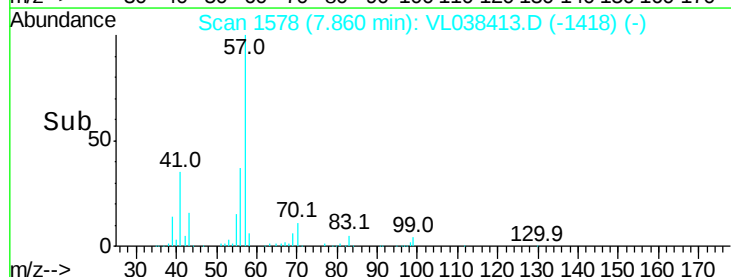
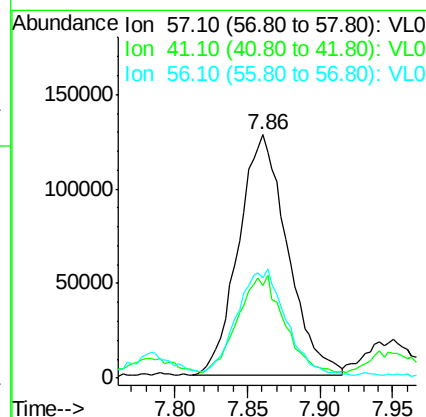
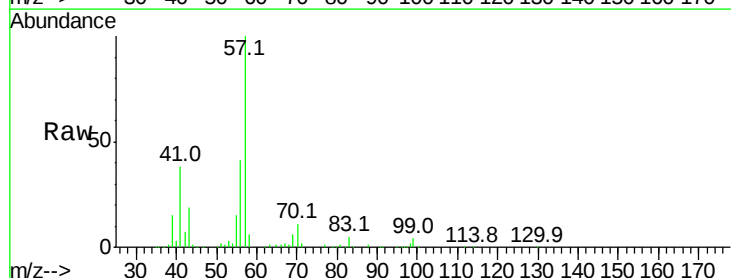
#41
Tetrahydrofuran
Concen: 0.57 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-3
Acq: 23 Feb 2022 18:22

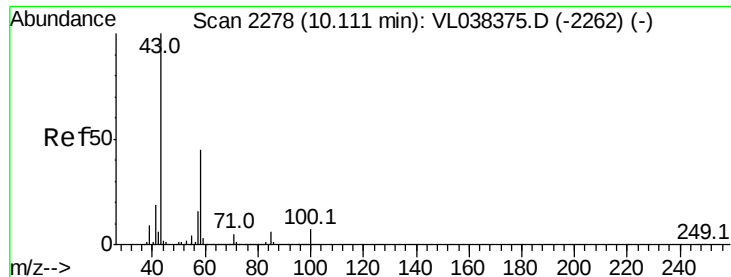
Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.2	29.9	44.9#
71	39.3	28.6	42.8



#44
2,2,4-Trimethylpentane
Concen: 0.86 ppbv
RT: 7.86 min Scan# 1578
Delta R.T.: 0.01 min
Lab File: VL038413.D
Acq: 23 Feb 2022 18:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.5	26.6	39.8#
56	49.3	25.0	37.6#





#51

2-Hexanone

Concen: 2.09 ppbv

RT: 10.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 18:22

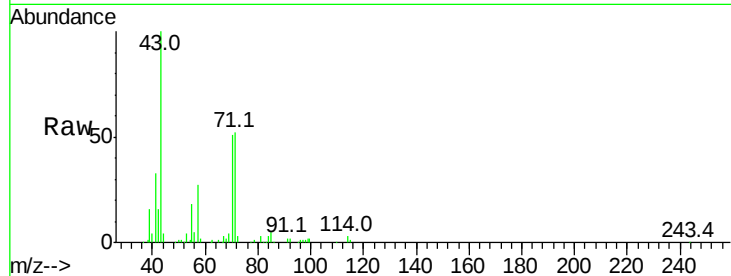
Tgt Ion: 43 Resp: 118956

Ion Ratio Lower Upper

43 100

58 2.8 37.4 56.0#

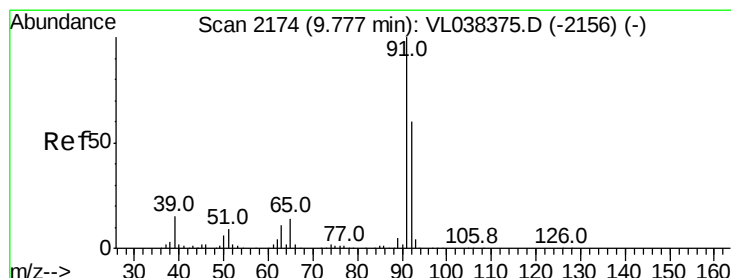
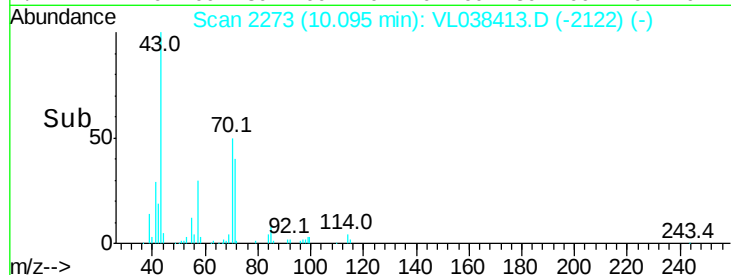
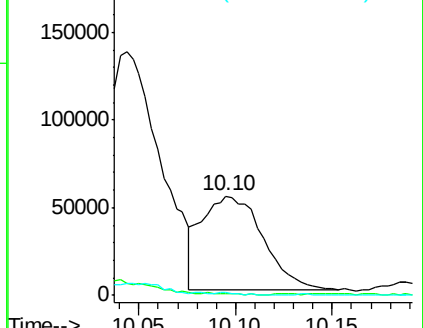
98 0.0 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#53

Toluene

Concen: 6.79 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.02 min

Lab File: VL038413.D

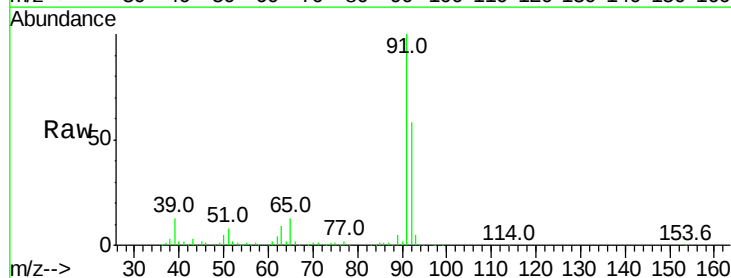
Acq: 23 Feb 2022 18:22

Tgt Ion: 91 Resp: 1486562

Ion Ratio Lower Upper

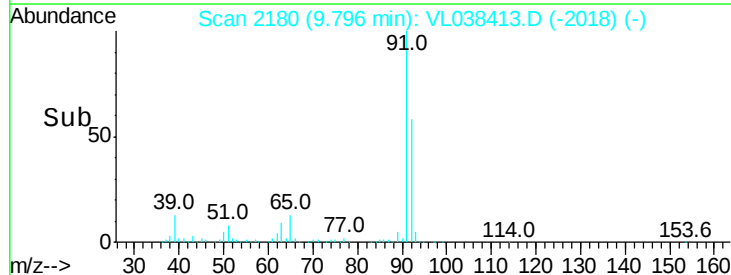
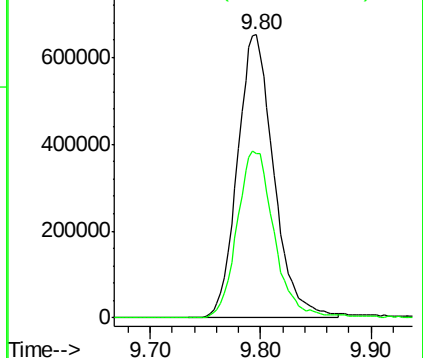
91 100

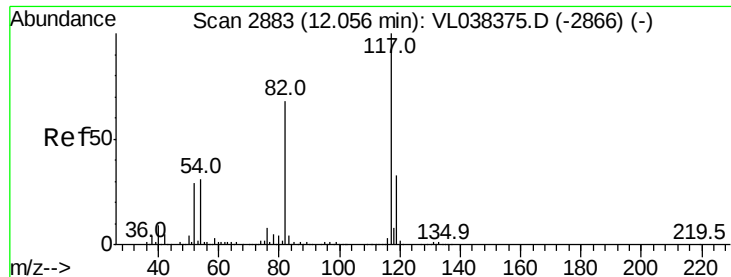
92 60.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 18:22

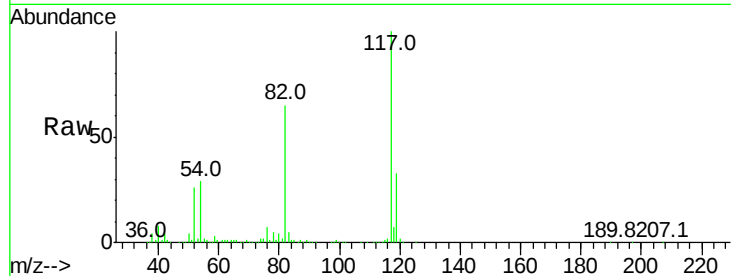
Tgt Ion: 117 Resp: 2009701

Ion Ratio Lower Upper

117 100

82 63.7 54.9 82.3

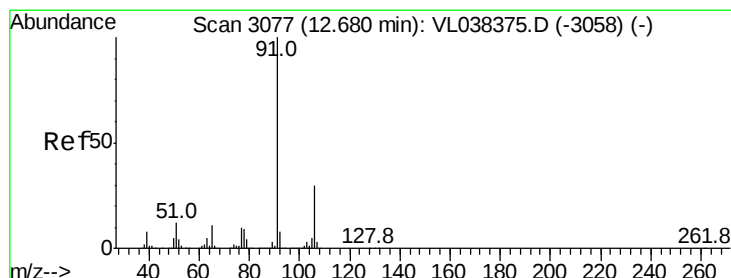
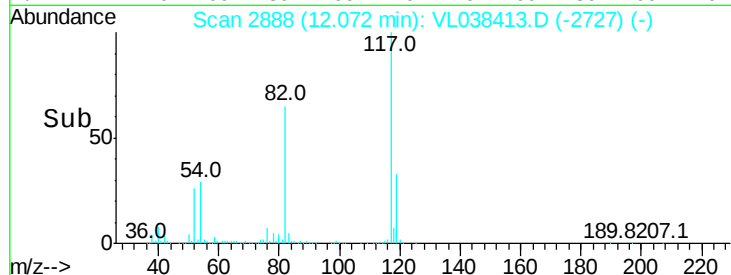
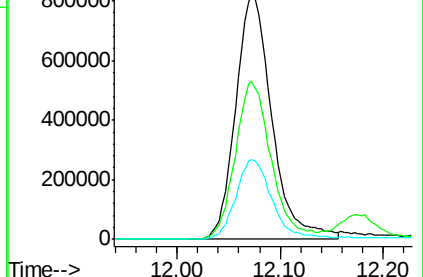
119 34.2 46.1 69.1#



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



#58

Ethyl Benzene

Concen: 0.87 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.02 min

Lab File: VL038413.D

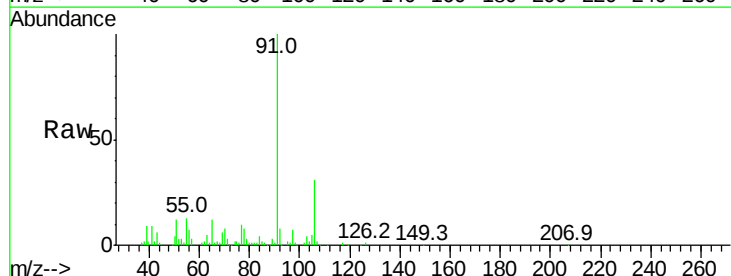
Acq: 23 Feb 2022 18:22

Tgt Ion: 91 Resp: 238685

Ion Ratio Lower Upper

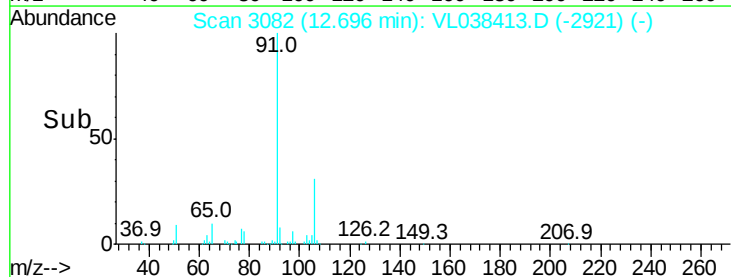
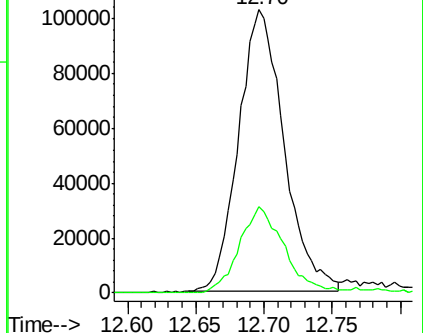
91 100

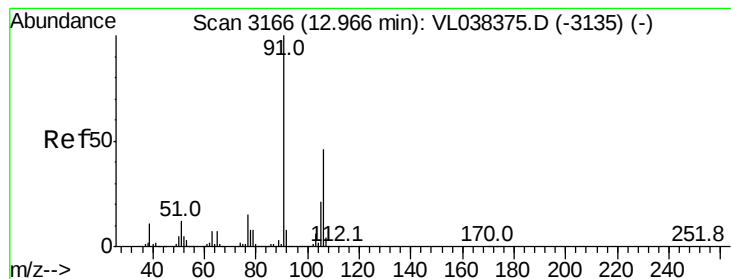
106 30.4 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 3.52 ppbv

RT: 12.95

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

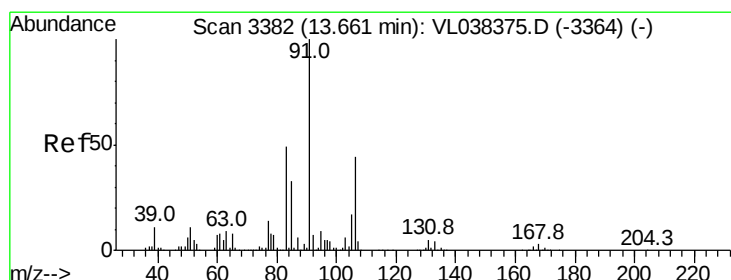
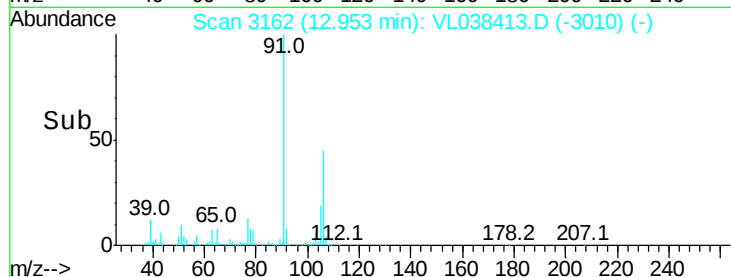
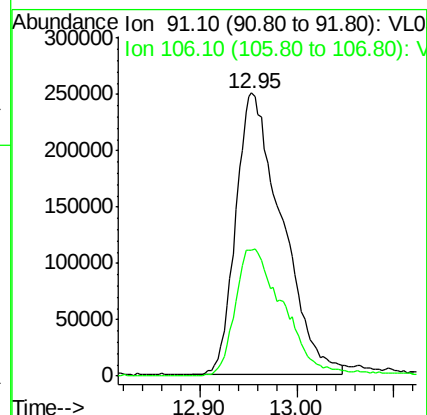
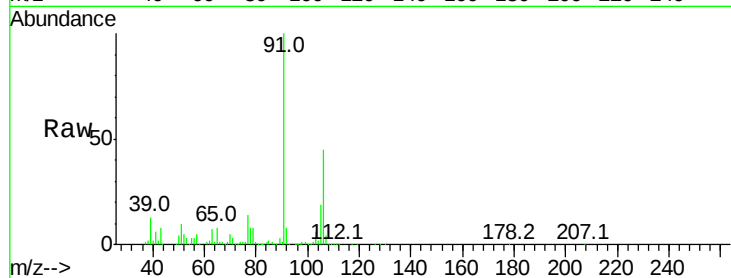
Acq: 23 Feb 2022 18:22

Tgt Ion: 91 Resp: 831083

Ion Ratio Lower Upper

91 100

106 48.7 34.4 51.6



#60

o-Xylene

Concen: 0.87 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL038413.D

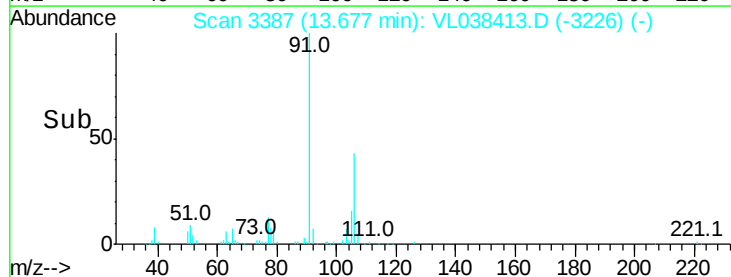
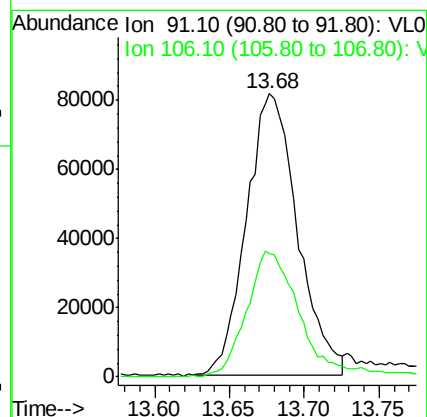
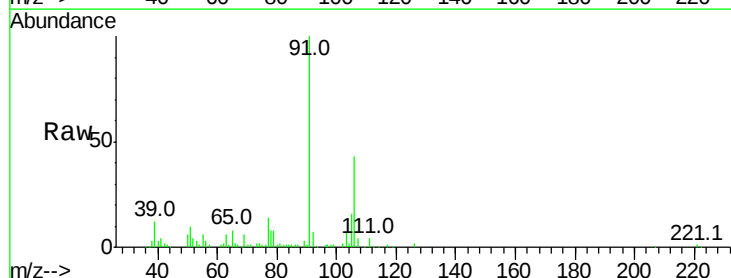
Acq: 23 Feb 2022 18:22

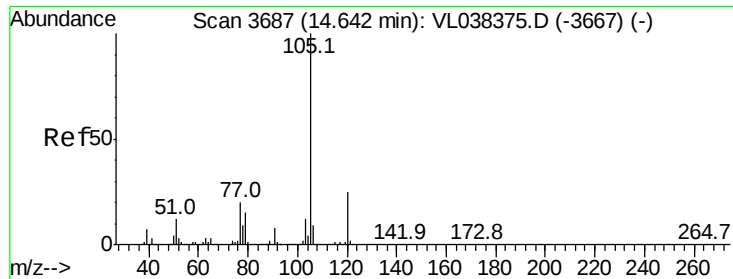
Tgt Ion: 91 Resp: 194634

Ion Ratio Lower Upper

91 100

106 47.7 21.9 65.5





#62

Isopropylbenzene

Concen: 0.20 ppbv

RT: 14.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

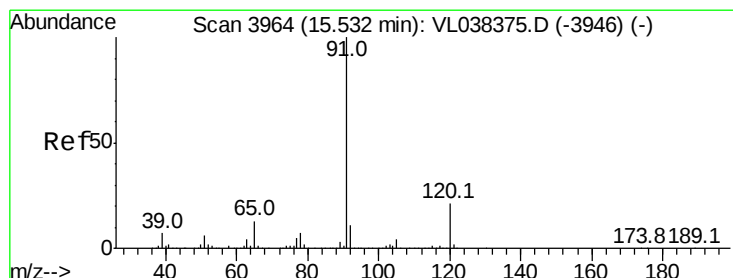
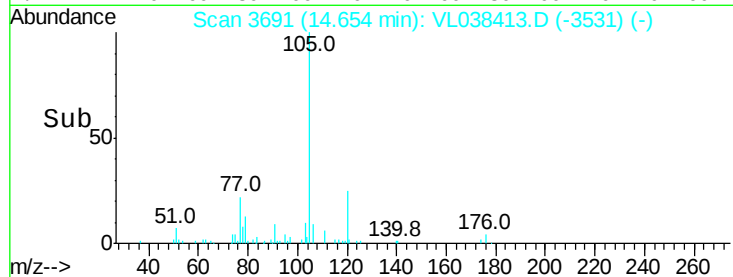
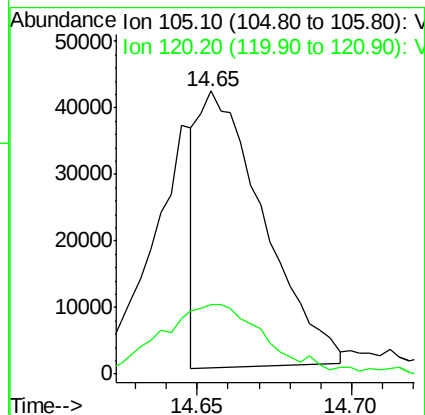
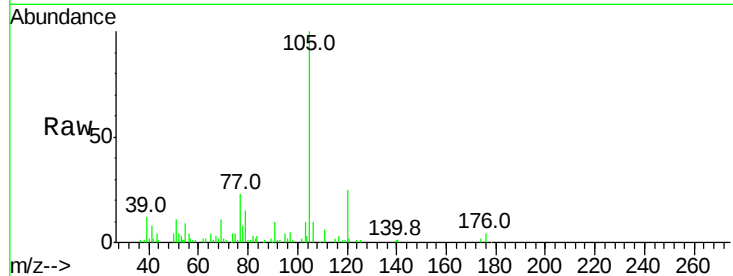
Acq: 23 Feb 2022 18:22

Tgt Ion:105 Resp: 60505

Ion Ratio Lower Upper

105 100

120 42.7 20.6 30.8#



#64

n-propylbenzene

Concen: 0.68 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.02 min

Lab File: VL038413.D

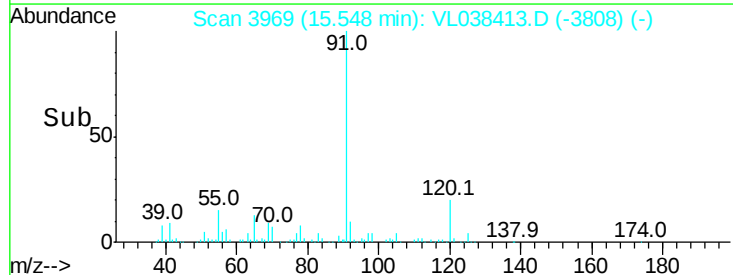
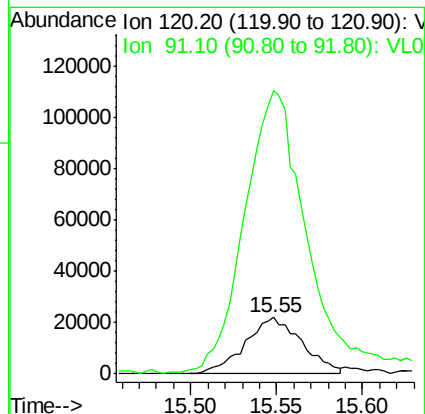
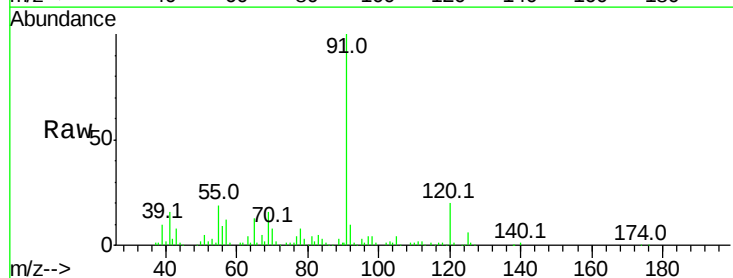
Acq: 23 Feb 2022 18:22

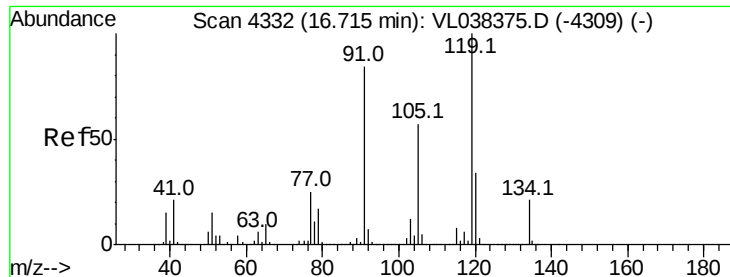
Tgt Ion:120 Resp: 50569

Ion Ratio Lower Upper

120 100

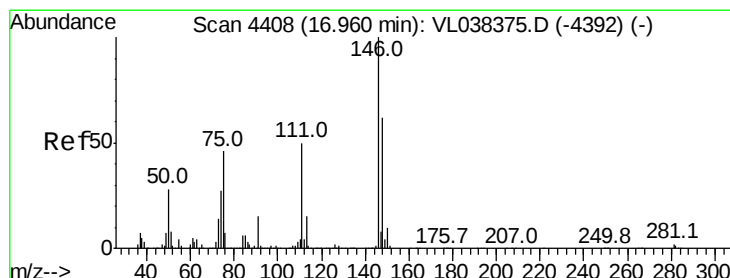
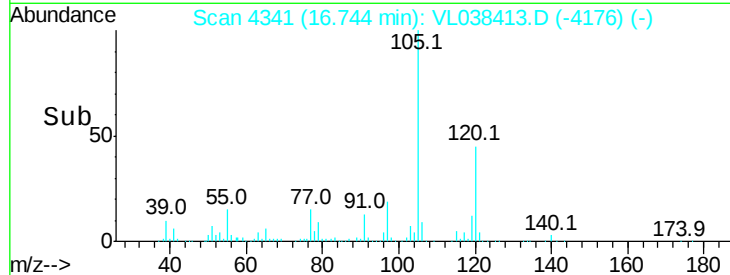
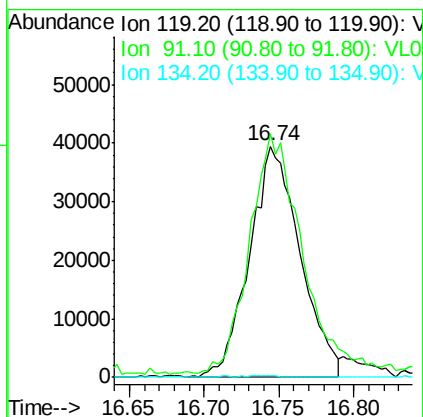
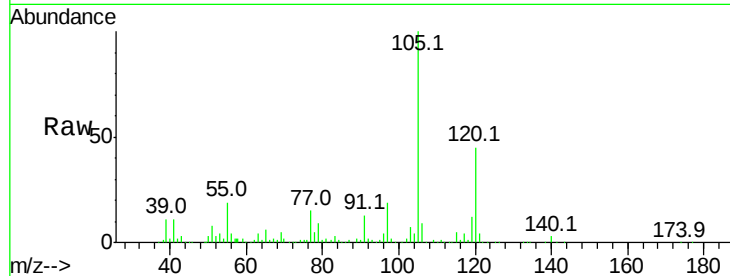
91 565.9 388.1 582.1





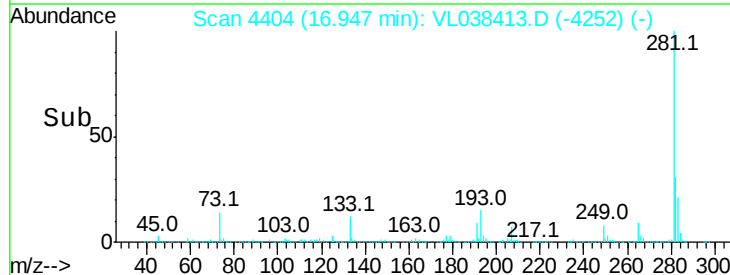
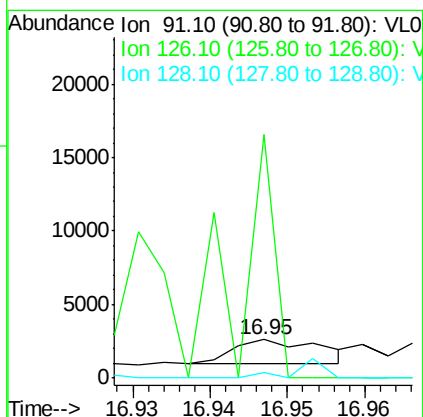
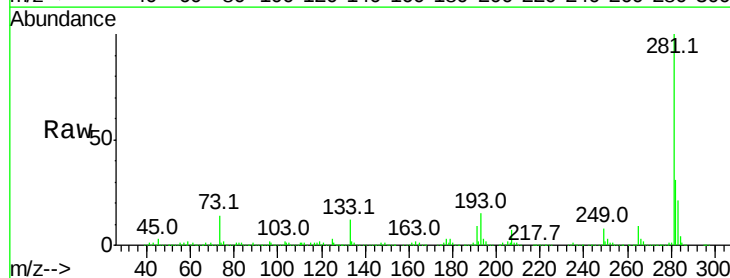
#65
 tert-Butylbenzene
 Concen: 0.36 ppbv
 RT: 16.74
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 MP-3
 Acq: 23 Feb 2022 18:22

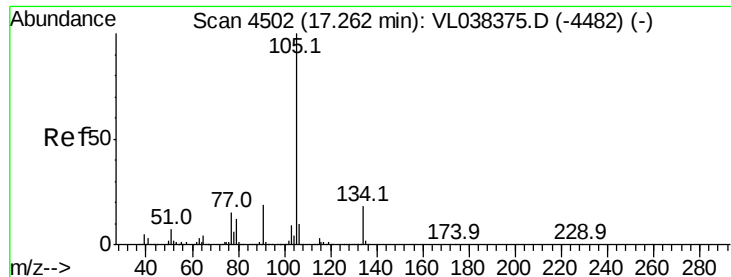
Tgt Ion: 119 Resp: 92715
 Ion Ratio Lower Upper
 119 100
 91 113.2 68.0 102.0#
 134 0.0 15.8 23.8#



#66
 Benzyl Chloride
 Concen: 0.09 ppbv
 RT: 16.95 min Scan# 4404
 Delta R.T. -0.01 min
 Lab File: VL038413.D
 Acq: 23 Feb 2022 18:22

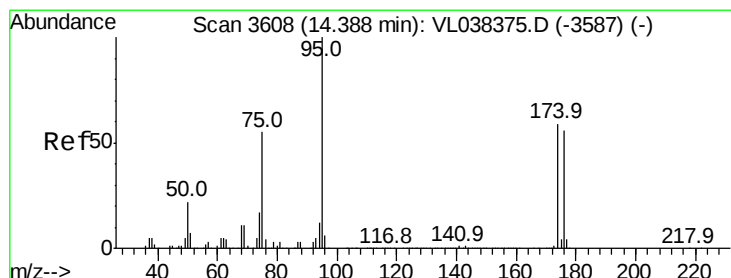
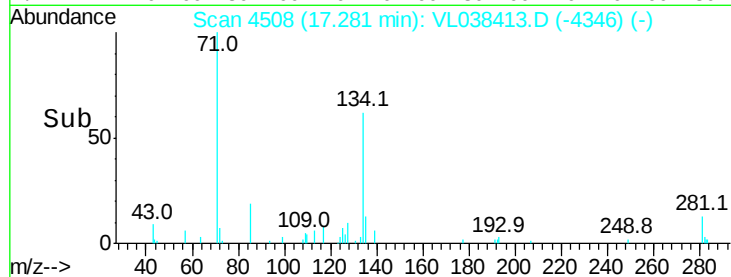
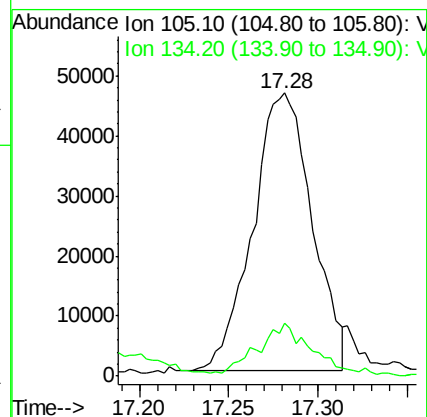
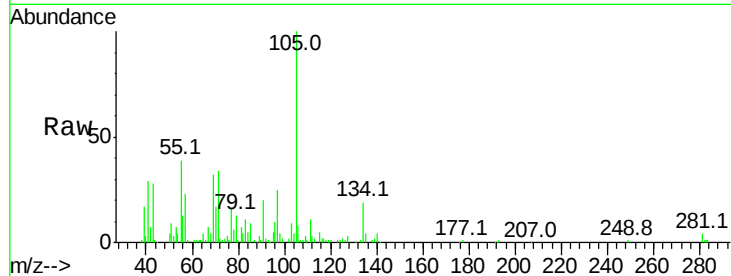
Tgt Ion: 91 Resp: 1297
 Ion Ratio Lower Upper
 91 100
 126 810.6 12.3 18.5#
 128 80.7 4.2 6.4#





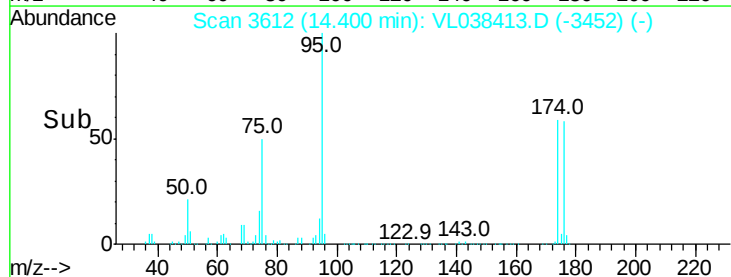
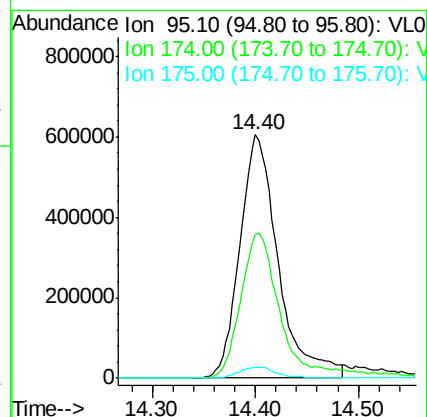
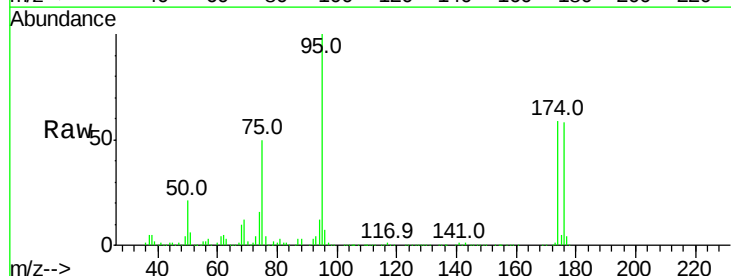
#67
 sec-Butylbenzene
 Concen: 0.29 ppbv
 RT: 17.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 MP-3
 Acq: 23 Feb 2022 18:22

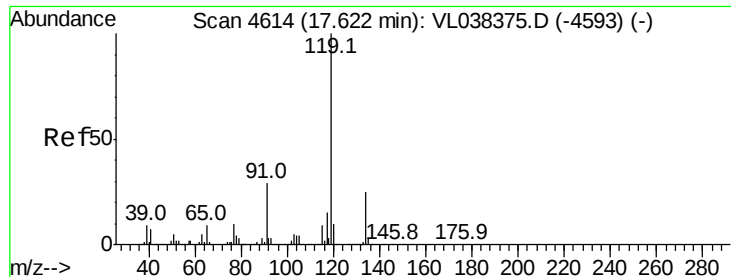
Tgt Ion: 105 Resp: 107705
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.41 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL038413.D
 Acq: 23 Feb 2022 18:22

Tgt Ion: 95 Resp: 1565165
 Ion Ratio Lower Upper
 95 100
 174 64.2 49.0 73.4
 175 4.4 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.36 ppbv

RT: 17.52

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

MP-3

Acq: 23 Feb 2022 18:22

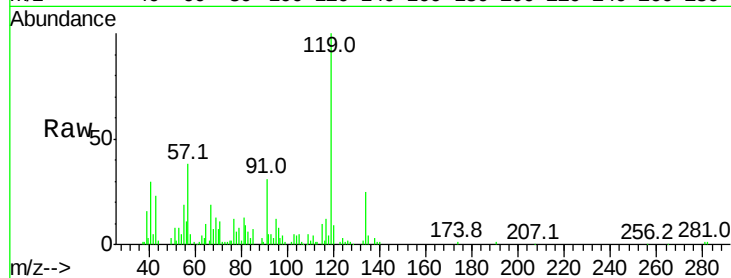
Tgt Ion: 119 Resp: 104446

Ion Ratio Lower Upper

119 100

134 27.6 20.4 30.6

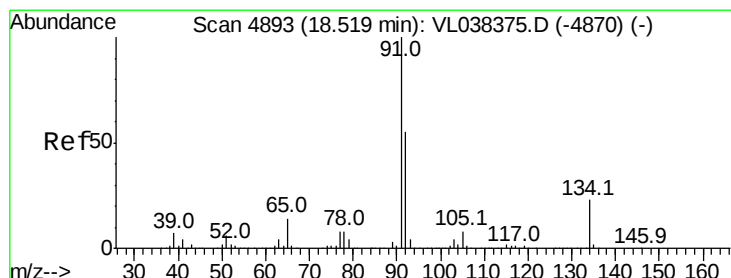
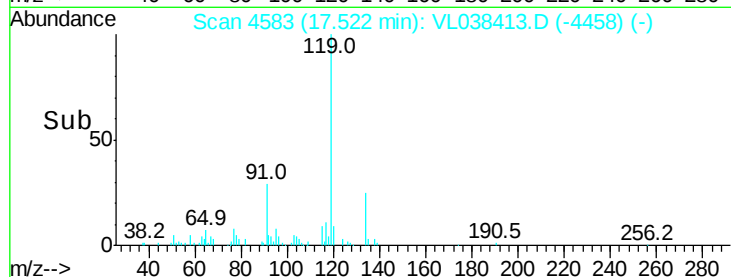
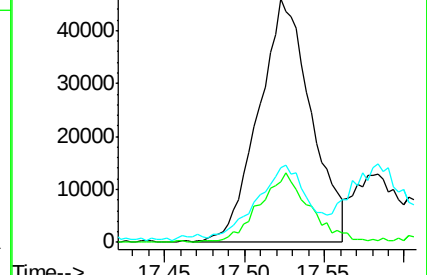
91 31.2 23.8 35.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.22 ppbv

RT: 18.54 min Scan# 4901

Delta R.T. 0.03 min

Lab File: VL038413.D

Acq: 23 Feb 2022 18:22

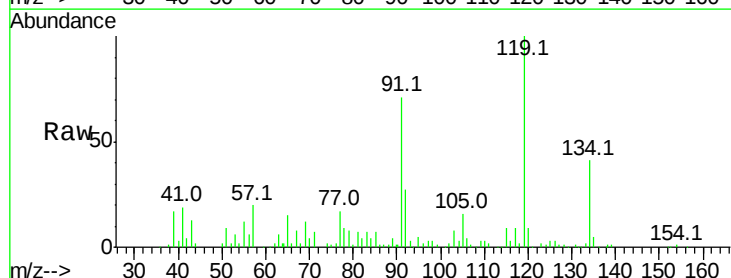
Tgt Ion: 91 Resp: 65549

Ion Ratio Lower Upper

91 100

92 0.0 43.1 64.7#

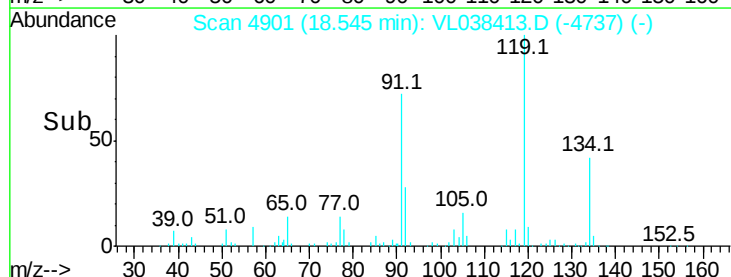
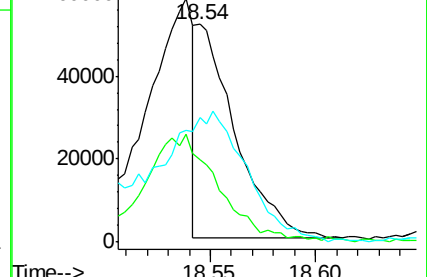
134 174.3 17.4 26.0#

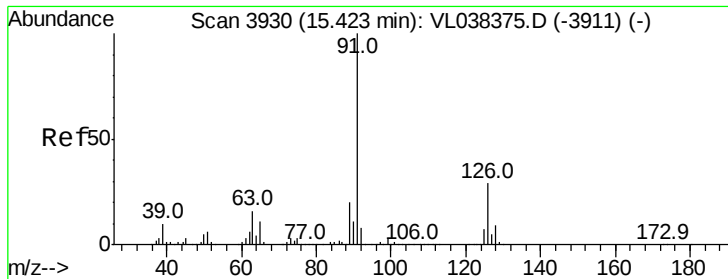


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

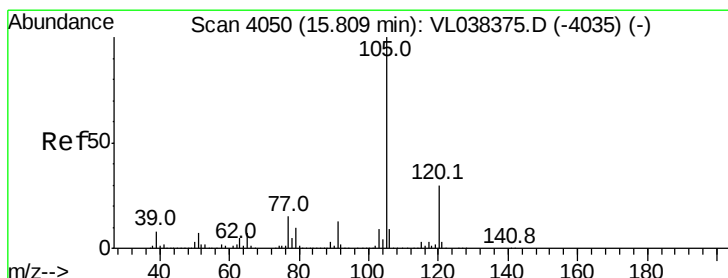
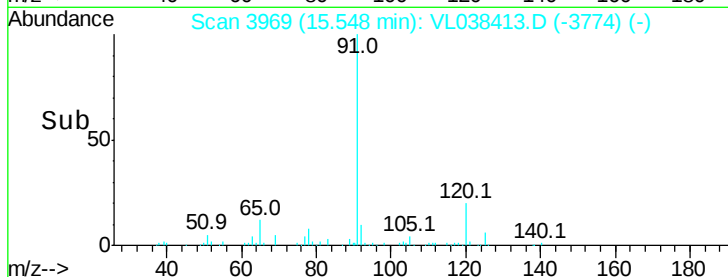
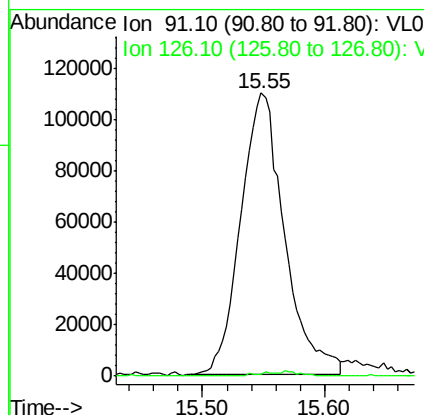
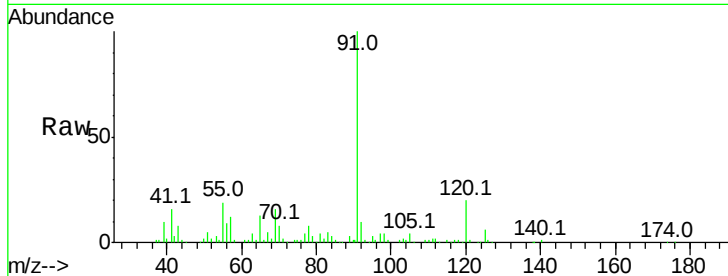
Ion 134.20 (133.90 to 134.90): V





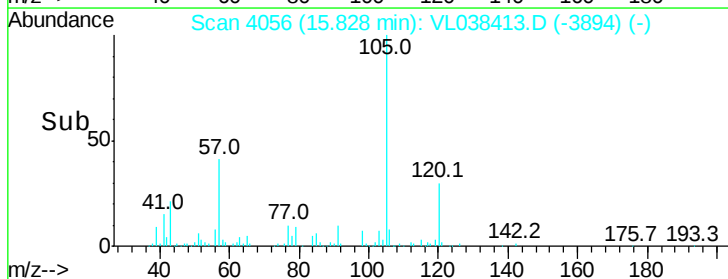
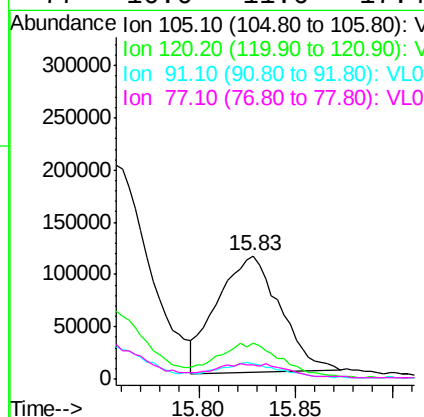
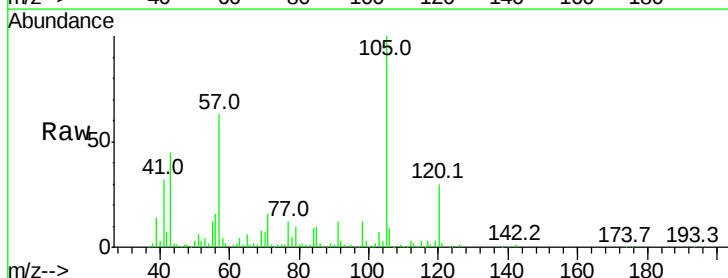
#71
 2-Chlorotoluene
 Concen: 1.18 ppbv
 RT: 15.55 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 MP-3
 Acq: 23 Feb 2022 18:22

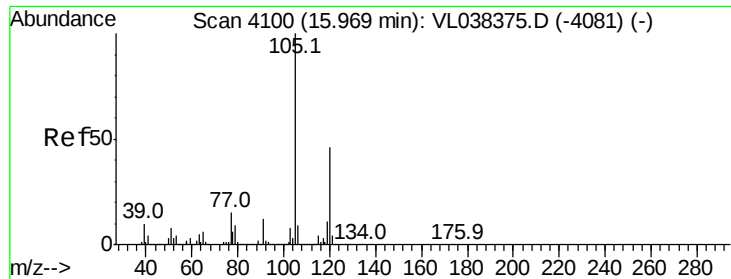
Tgt Ion: 91 Resp: 272858
 Ion Ratio Lower Upper
 91 100
 126 1.5 11.9 47.7#



#72
 4-Ethyltoluene
 Concen: 1.02 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.02 min
 Lab File: VL038413.D
 Acq: 23 Feb 2022 18:22

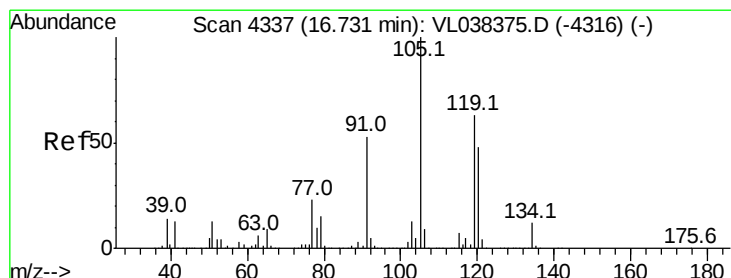
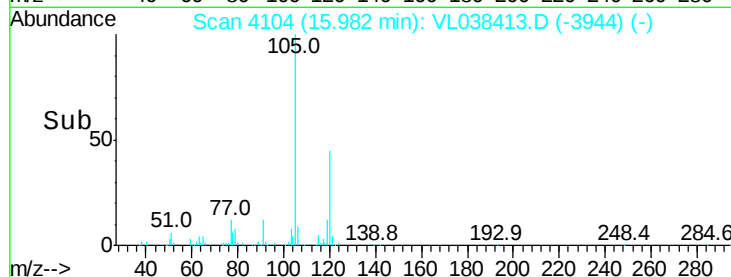
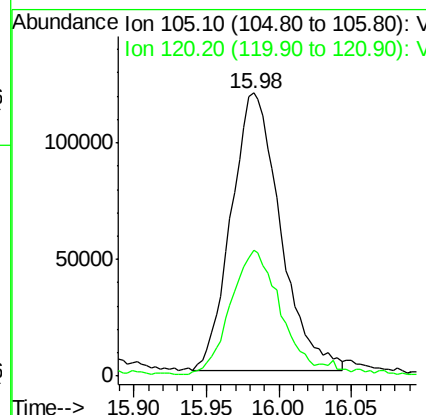
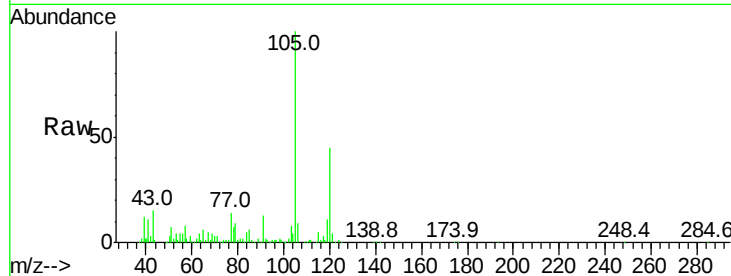
Tgt Ion: 105 Resp: 251288
 Ion Ratio Lower Upper
 105 100
 120 35.9 23.4 35.2#
 91 13.5 10.4 15.6
 77 16.6 11.6 17.4





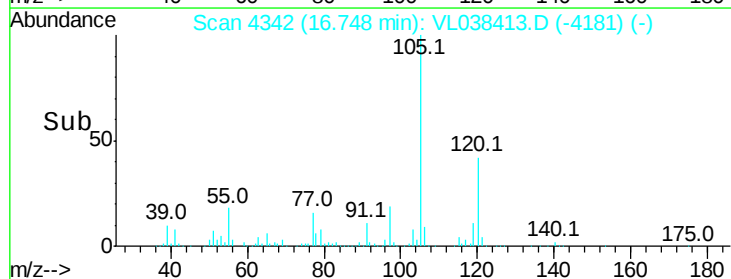
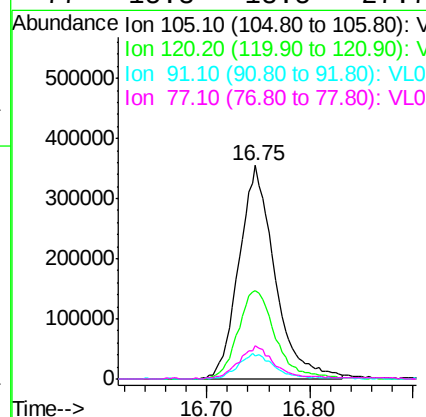
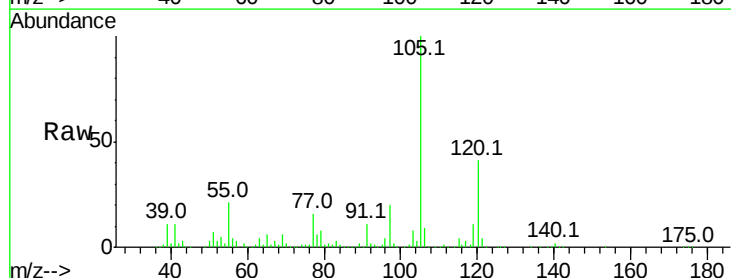
#73
 1,3,5-Trimethylbenzene
 Concen: 1.26 ppbv
 RT: 15.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 MP-3
 Acq: 23 Feb 2022 18:22

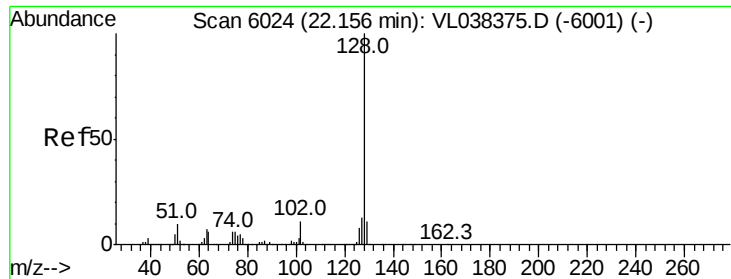
Tgt Ion:105 Resp: 280577
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 3.65 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. 0.02 min
 Lab File: VL038413.D
 Acq: 23 Feb 2022 18:22

Tgt Ion:105 Resp: 859744
 Ion Ratio Lower Upper
 105 100
 120 41.3 38.2 57.4
 91 10.4 42.7 64.1#
 77 15.3 18.5 27.7#





#79

Naphthalene

Concen: 0.05 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 18:22

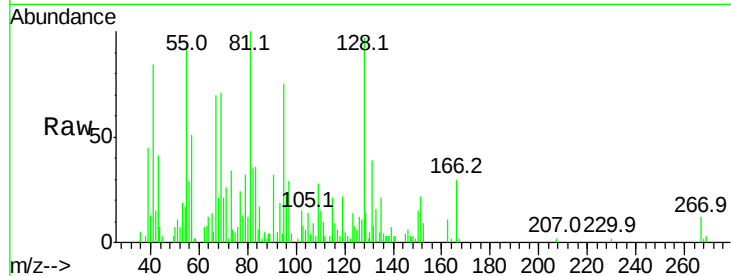
Tgt Ion:128 Resp: 6635

Ion Ratio Lower Upper

128 100

127 4.4 10.7 16.1#

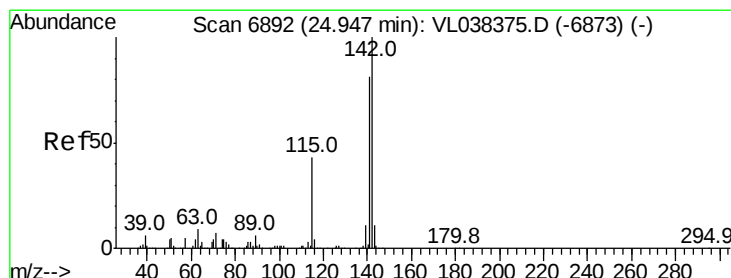
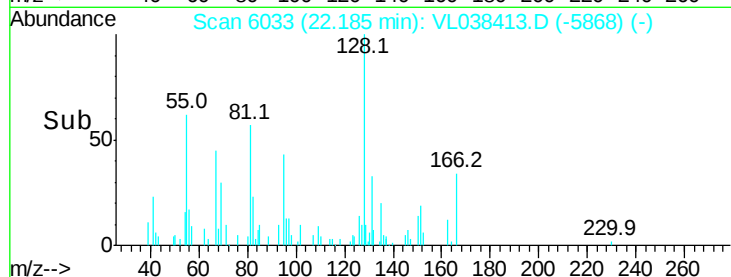
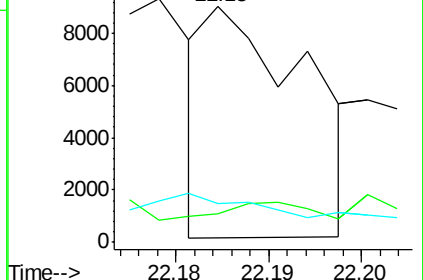
129 9.4 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.45 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL038413.D

Acq: 23 Feb 2022 18:22

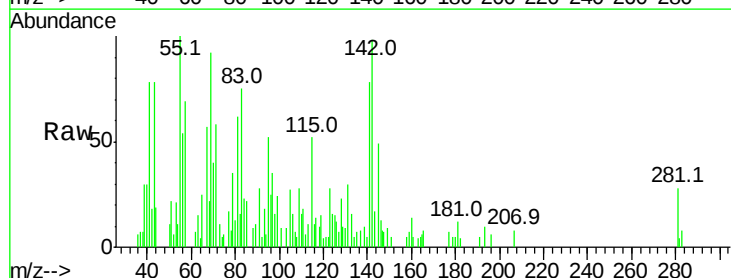
Tgt Ion:142 Resp: 11291

Ion Ratio Lower Upper

142 100

141 88.9 69.8 104.6

115 97.5 33.0 49.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

