

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038408.D
 Acq On : 23 Feb 2022 14:53
 Operator : SY/AP
 Sample : N1607-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-7

Quant Time: Feb 24 07:25:56 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	870973	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2012306	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	1926822	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1518027	9.52	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	3.00	51	34358	0.22	ppbv	98
4) Chloromethane	3.15	50	39002	0.73	ppbv	92
9) Propene	3.03	41	75428	1.49	ppbv #	75
10) Heptane	8.12	43	42109	0.34	ppbv	97
11) Trichlorofluoromethane	3.96	101	29145	0.22	ppbv	99
13) Ethanol	3.62	45	2935679	579.28	ppbv	87
15) Acetone	3.85	43	1121374	15.14	ppbv	96
16) 1,3-Butadiene	3.31	39	23492	0.47	ppbv #	30
17) tert-Butyl alcohol	3.98	59	101842	1.38	ppbv	95
19) Isopropyl Alcohol	3.98	45	2878953	67.12	ppbv #	97
20) Methylene Chloride	4.36	84	277586	7.56	ppbv	91
21) Allyl Chloride	4.21	41	4152	0.07	ppbv #	1
23) Vinyl Acetate	5.07	43	74529	0.76	ppbv #	1
25) Ethyl Acetate	5.69	43	221467	1.11	ppbv #	90
26) Hexane	5.70	57	213956	2.37	ppbv #	55
27) Carbon Disulfide	4.96	76	244212	2.44	ppbv #	66
29) Chloroform	5.76	83	13939	0.09	ppbv	91
30) Cyclohexane	7.14	84	5029	0.07	ppbv #	1
34) 2-Butanone	5.25	43	214239	3.39	ppbv	95
35) Carbon Tetrachloride	7.02	117	12018	0.08	ppbv #	83
36) Benzene	6.90	78	54322	0.31	ppbv	96
38) Trichloroethene	7.84	130	2273	0.04	ppbv #	50
39) 1,2-Dichloropropane	7.18	63	546030	7.74	ppbv #	25
40) 1,4-Dioxane	7.85	88	1074	0.06	ppbv #	1
41) Tetrahydrofuran	6.06	42	12914	0.30	ppbv #	62
43) Methyl Methacrylate	8.01	69	12375	0.20	ppbv #	8
44) 2,2,4-Trimethylpentane	7.87	57	53579	0.18	ppbv #	61
50) 4-Methyl-2-Pentanone	8.75	43	14550	0.13	ppbv #	87
51) 2-Hexanone	10.15	43	10130	0.20	ppbv #	10
53) Toluene	9.81	91	1042888	5.42	ppbv	99
57) Chlorobenzene	12.15	112	4909	0.03	ppbv #	71
58) Ethyl Benzene	12.71	91	39768	0.15	ppbv	95
59) m/p-Xylene	13.00	91	33029	0.15	ppbv #	33
60) o-Xylene	13.69	91	87737	0.41	ppbv	97
61) Styrene	13.53	104	37043	0.38	ppbv #	86
64) n-propylbenzene	15.56	120	3956	0.06	ppbv #	1
65) tert-Butylbenzene	16.75	119	13955	0.06	ppbv #	1
70) n-Butylbenzene	18.55	91	30824	0.11	ppbv #	63
72) 4-Ethyltoluene	15.84	105	19101	0.08	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.01	105	12751	0.06	ppbv	87
74) 1,2,4-Trimethylbenzene	16.76	105	158282	0.70	ppbv #	66

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QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

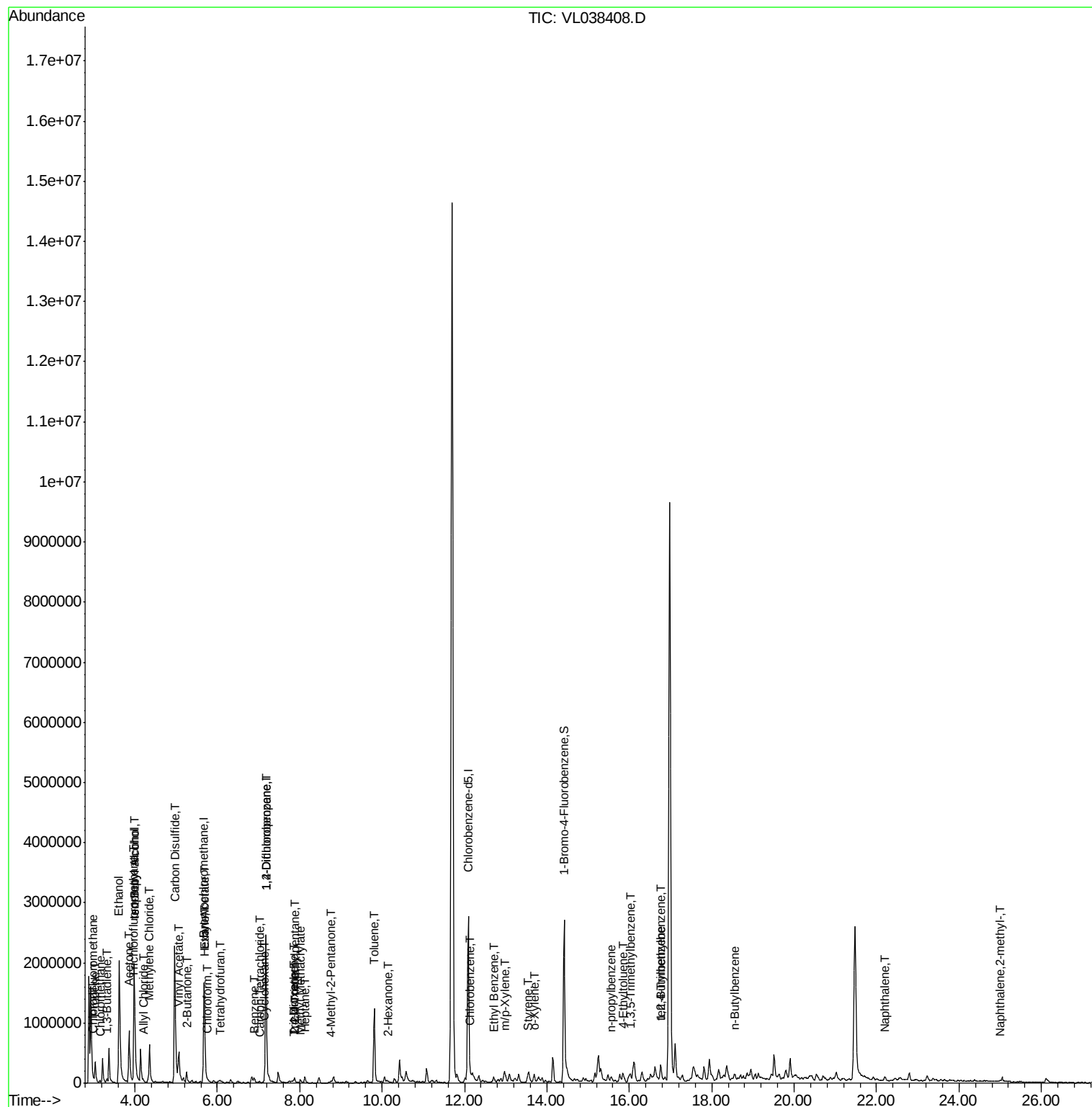
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.19	128	19338	0.16	ppbv	97
80) Naphthalene,2-methyl-	25.00	142	1079	0.05	ppbv #	30

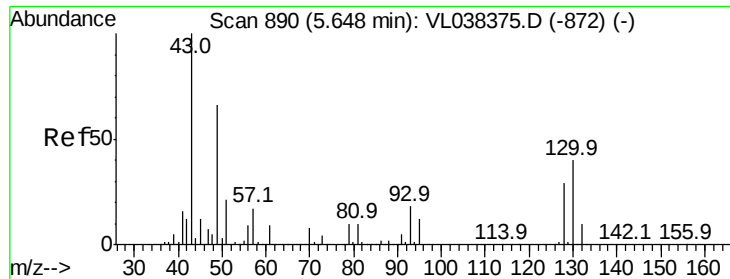
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Feb 2022 14:55

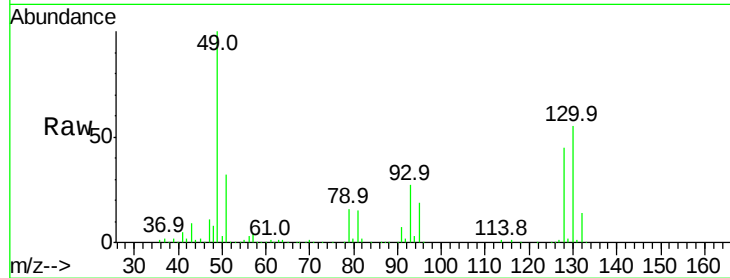
Tgt Ion: 49 Resp: 870973

Ion Ratio Lower Upper

49 100

128 46.3 24.3 72.9

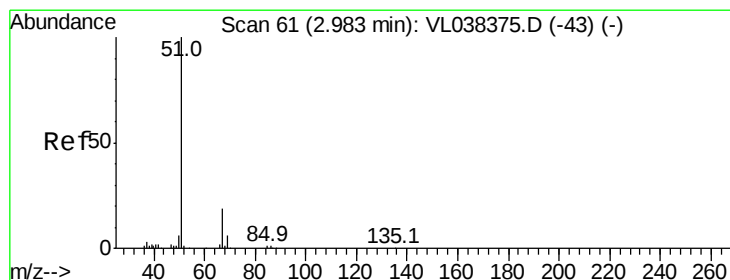
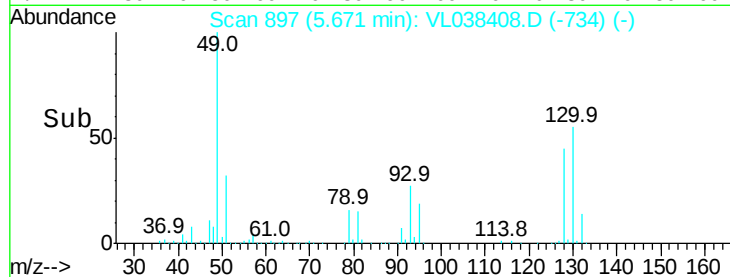
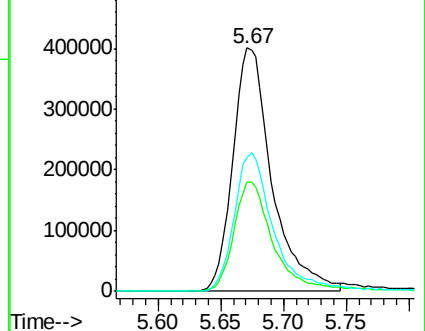
130 58.0 30.1 90.5



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



#3

Chlorodifluoromethane

Concen: 0.22 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL038408.D

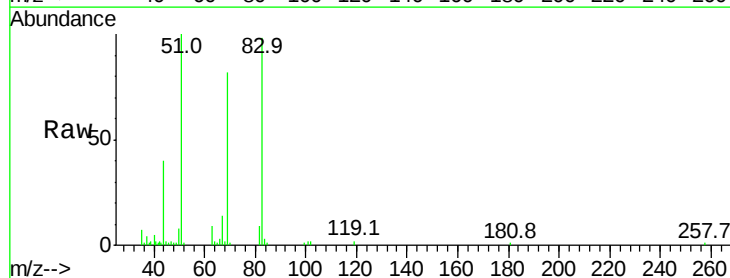
Acq: 23 Feb 2022 14:53

Tgt Ion: 51 Resp: 34358

Ion Ratio Lower Upper

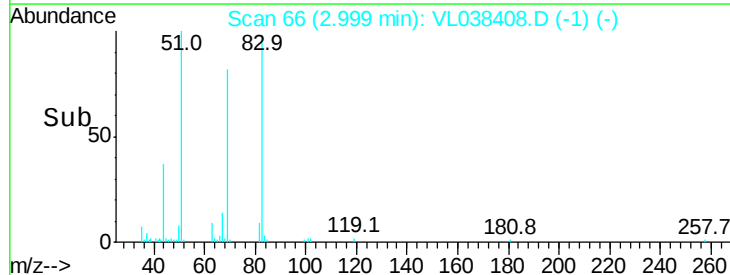
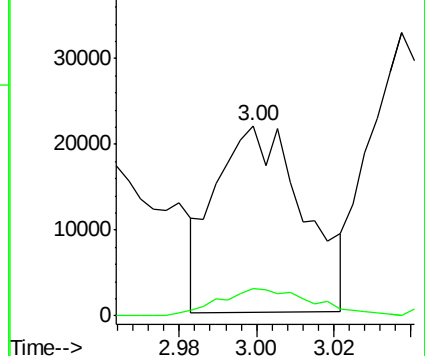
51 100

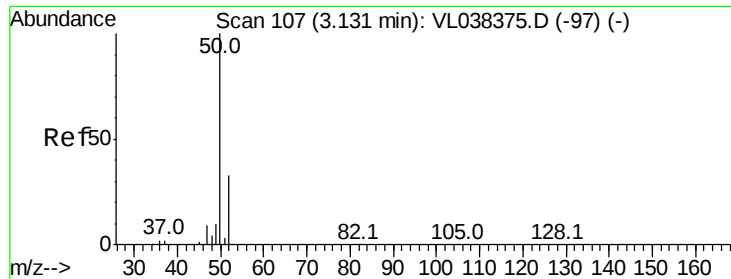
67 17.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.73 ppbv

RT: 3.15 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-7

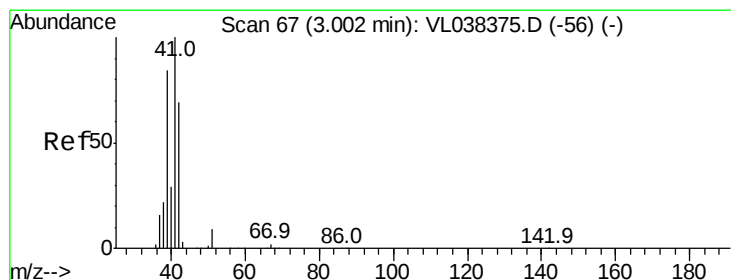
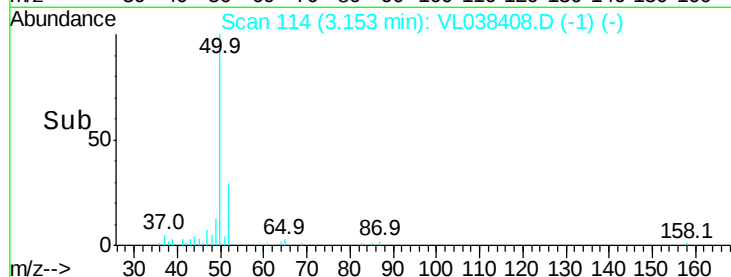
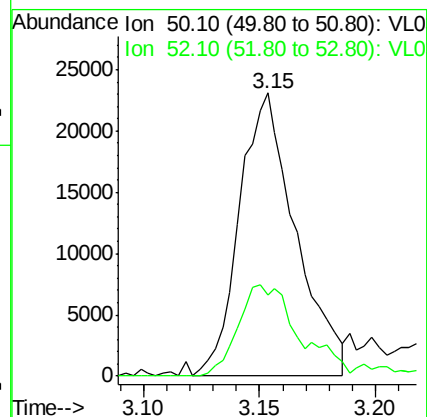
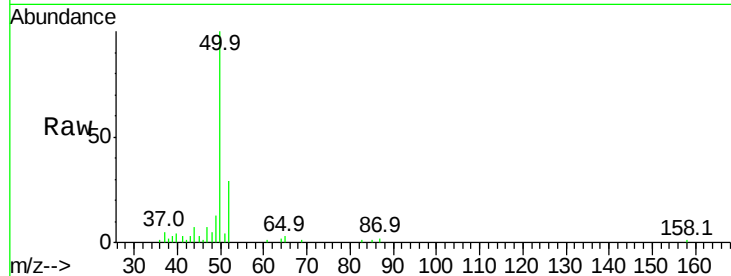
Acq: 23 Feb 2022 14:55

Tgt Ion: 50 Resp: 39002

Ion Ratio Lower Upper

50 100

52 28.5 26.5 39.7



#9

Propene

Concen: 1.49 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL038408.D

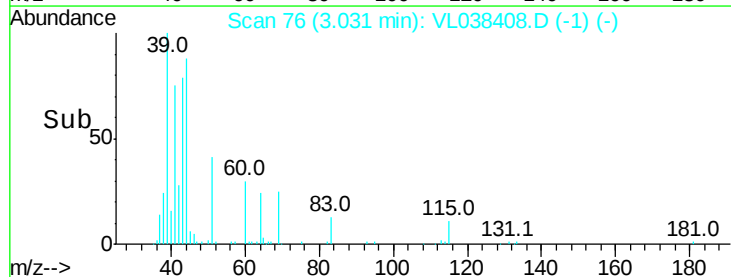
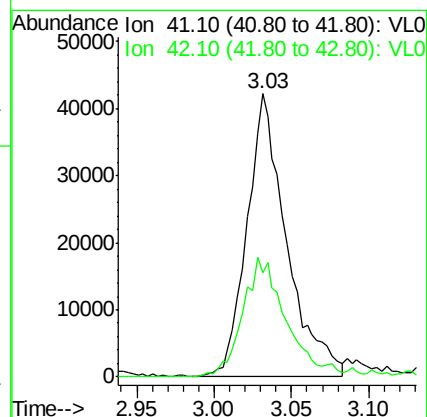
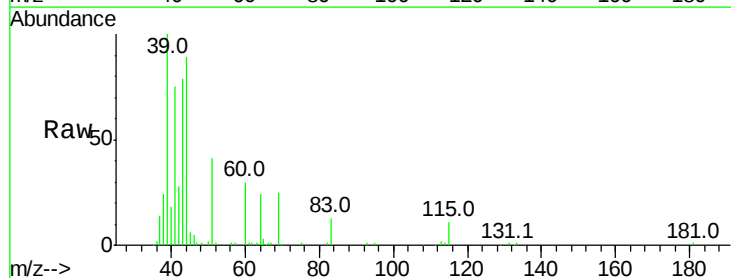
Acq: 23 Feb 2022 14:53

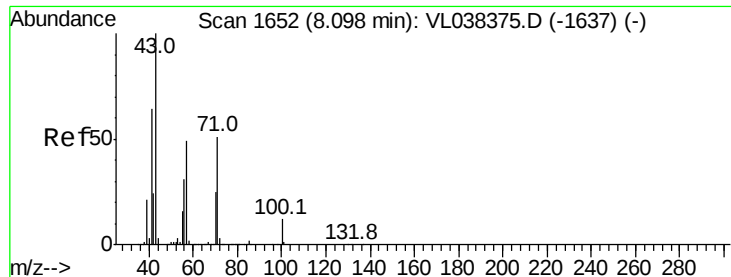
Tgt Ion: 41 Resp: 75428

Ion Ratio Lower Upper

41 100

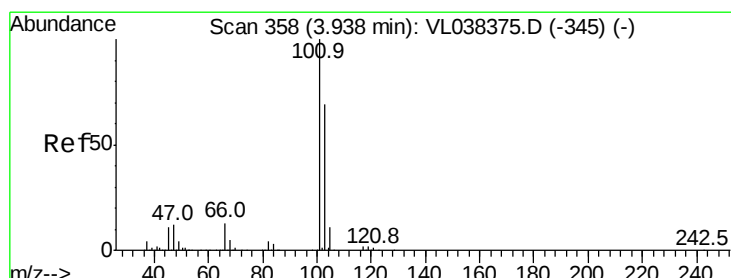
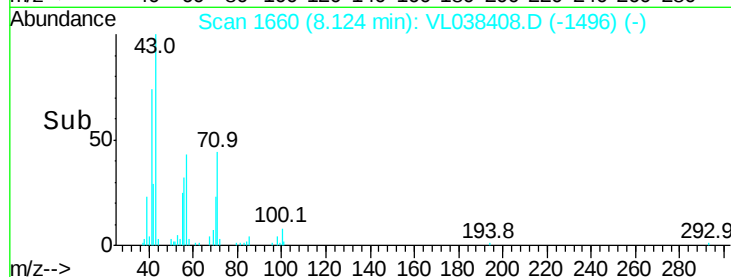
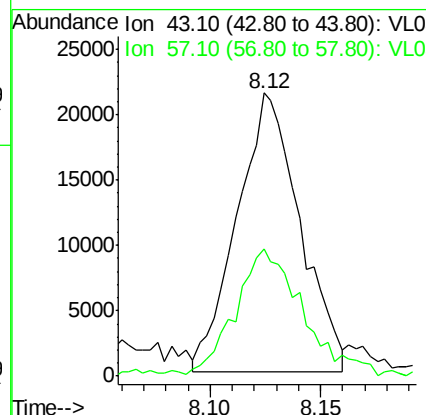
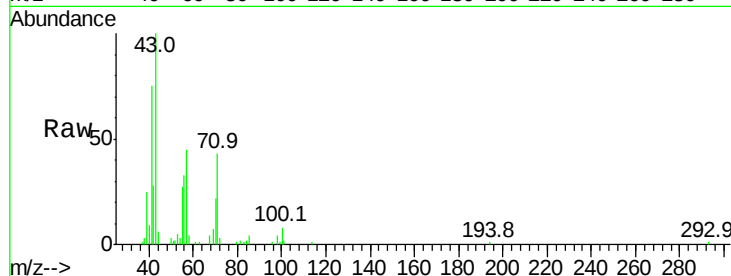
42 47.7 54.6 82.0#





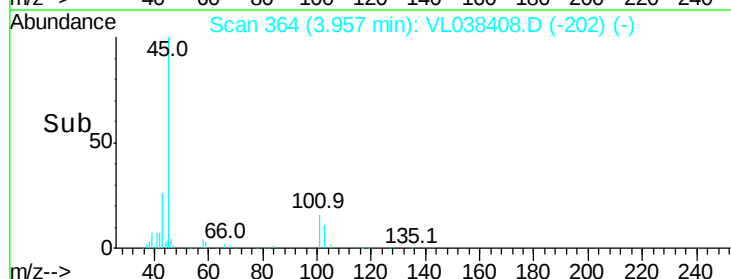
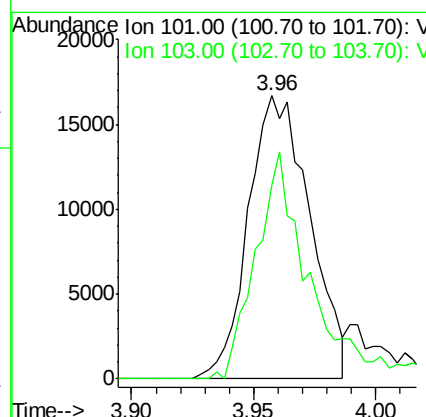
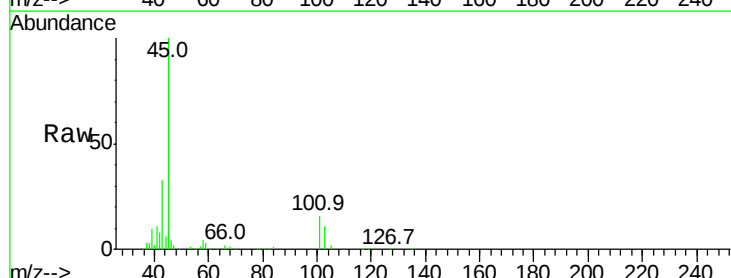
#10
 Heptane
 Concen: 0.34 ppbv
 RT: 8.12
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Feb 2022 14:55

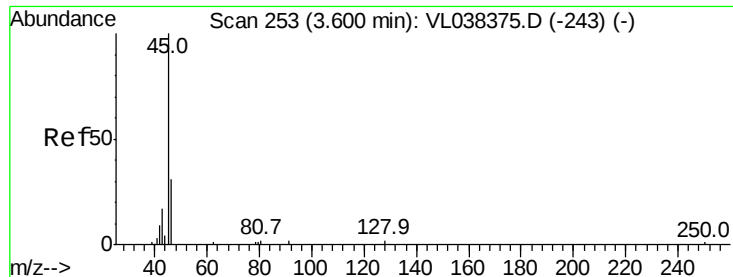
Tgt Ion: 43 Resp: 42109
 Ion Ratio Lower Upper
 43 100
 57 51.7 39.8 59.8



#11
 Trichlorofluoromethane
 Concen: 0.22 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL038408.D
 Acq: 23 Feb 2022 14:53

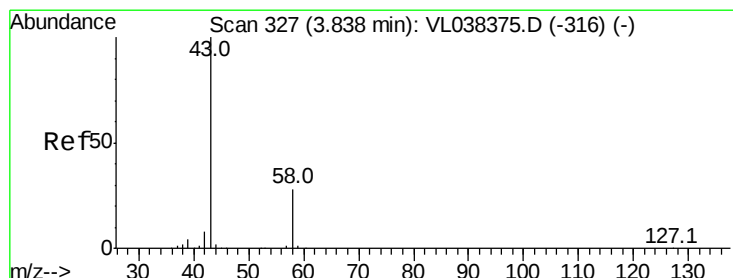
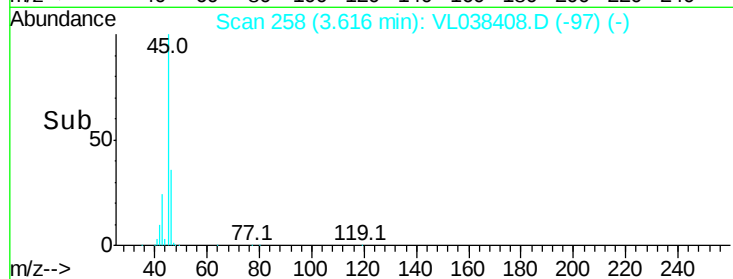
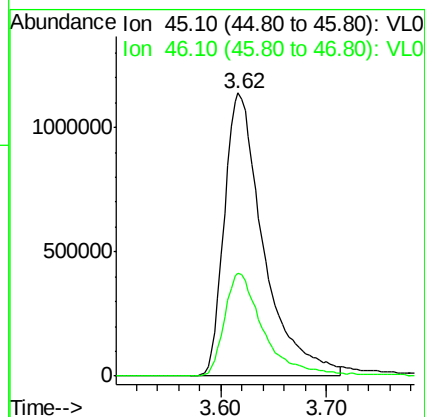
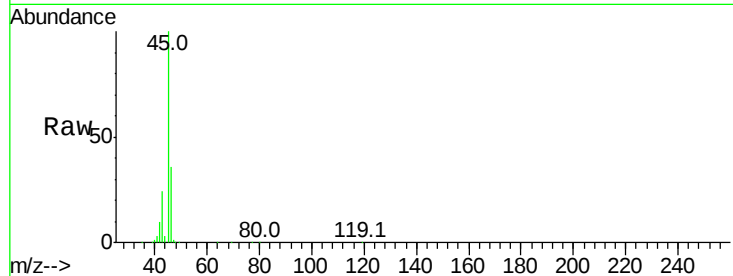
Tgt Ion: 101 Resp: 29145
 Ion Ratio Lower Upper
 101 100
 103 68.3 55.0 82.4





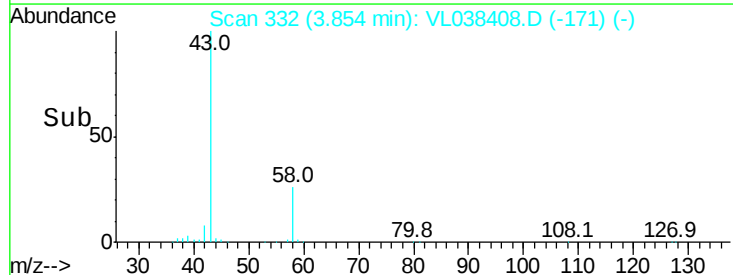
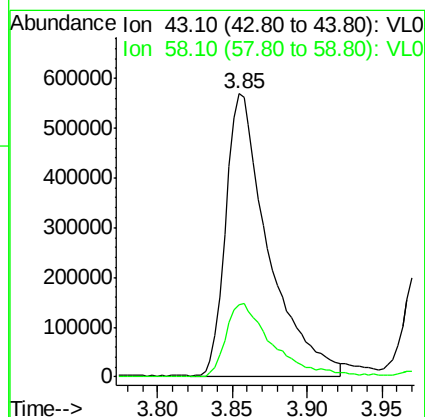
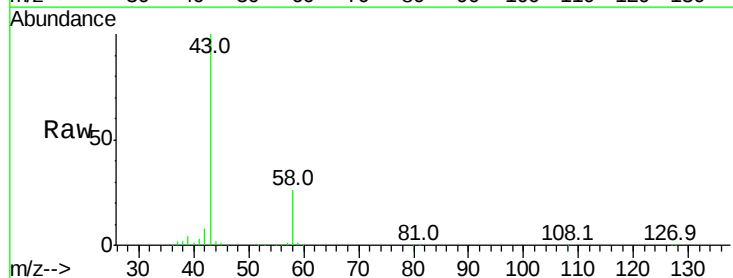
#13
 Ethanol
 Concen: 579.28 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Feb 2022 14:55

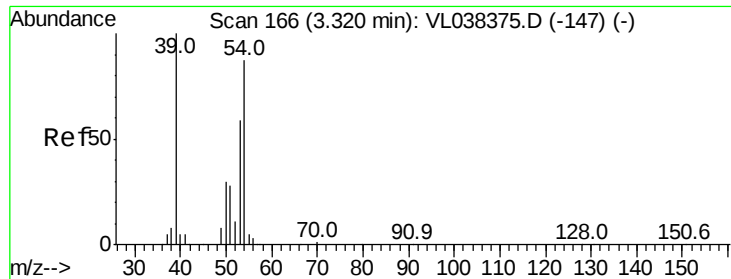
Tgt Ion: 45 Resp: 2935679
 Ion Ratio Lower Upper
 45 100
 46 36.8 18.2 72.8



#15
 Acetone
 Concen: 15.14 ppbv
 RT: 3.85 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VL038408.D
 Acq: 23 Feb 2022 14:53

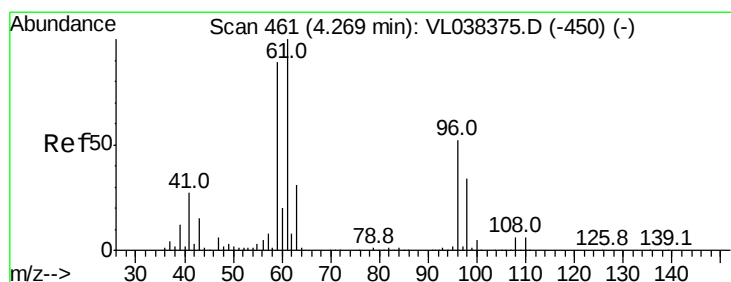
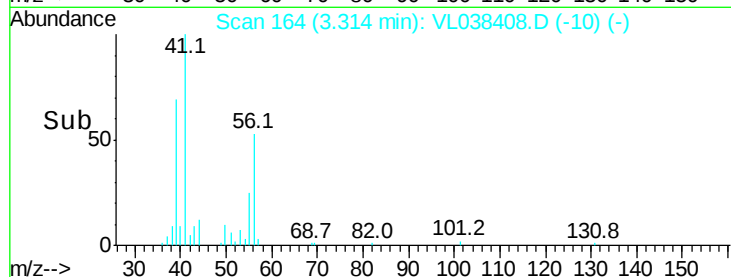
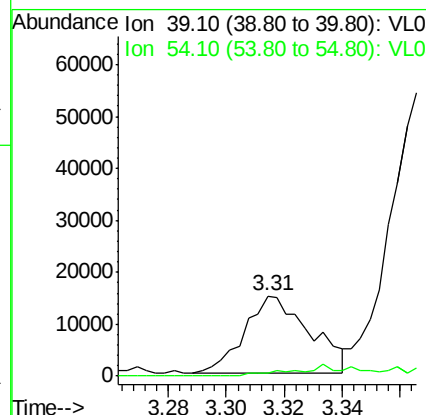
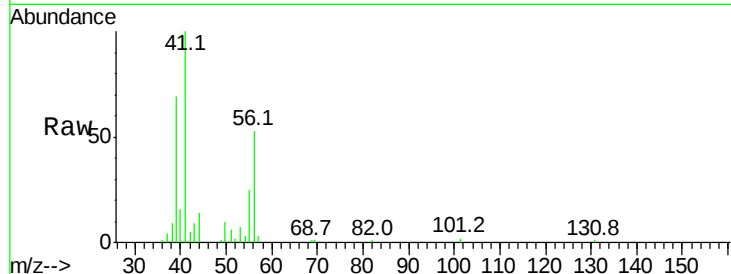
Tgt Ion: 43 Resp: 1121374
 Ion Ratio Lower Upper
 43 100
 58 28.9 21.7 32.5





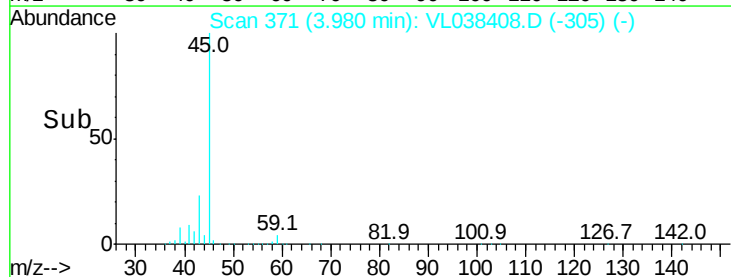
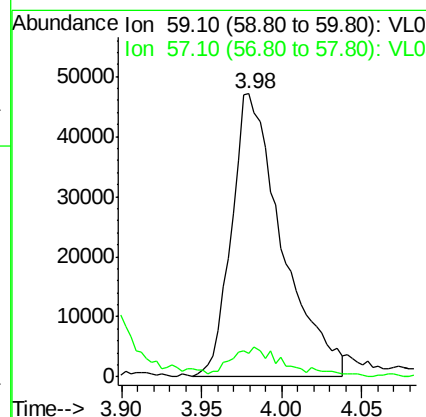
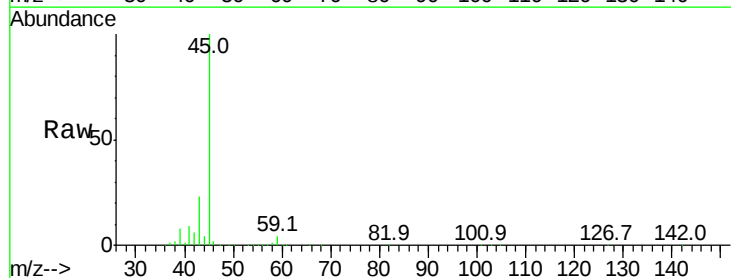
#16
 1,3-Butadiene
 Concen: 0.47 ppbv
 RT: 3.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MP-7
 Acq: 23 Feb 2022 14:55

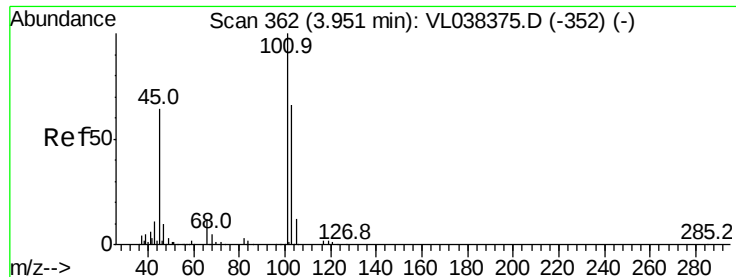
Tgt Ion: 39 Resp: 23492
 Ion Ratio Lower Upper
 39 100
 54 16.0 60.3 90.5#



#17
 tert-Butyl alcohol
 Concen: 1.38 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. -0.29 min
 Lab File: VL038408.D
 Acq: 23 Feb 2022 14:53

Tgt Ion: 59 Resp: 101842
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.4 12.6





#19

Isopropyl Alcohol

Concen: 67.12 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

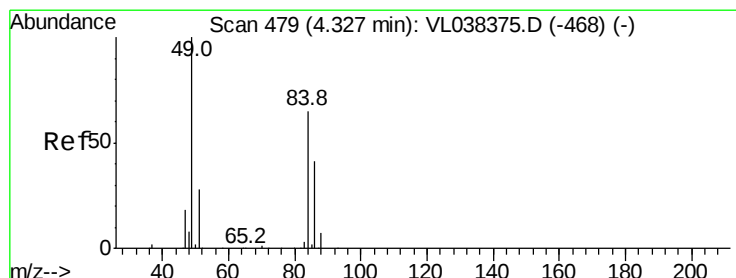
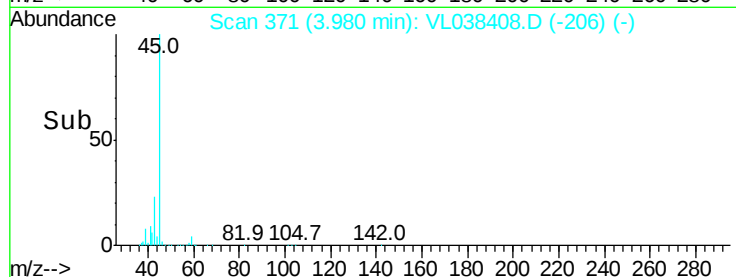
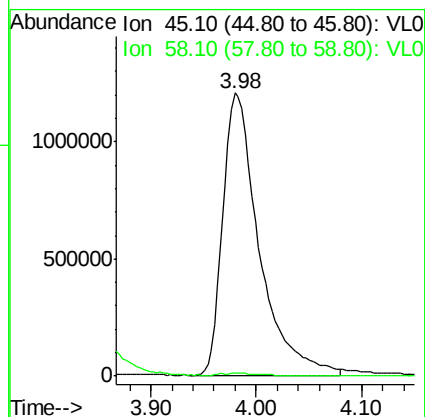
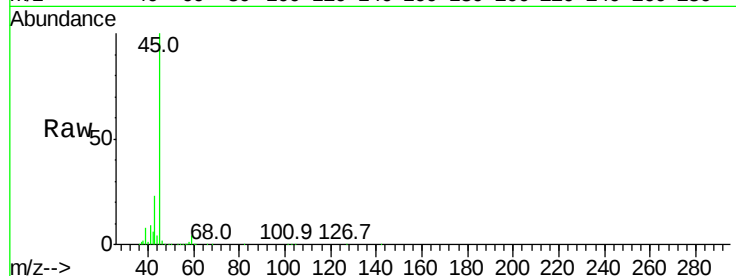
Acq: 23 Feb 2022 14:53

Tgt Ion: 45 Resp: 2878953

Ion Ratio Lower Upper

45 100

58 1.4 1.8 2.8#



#20

Methylene Chloride

Concen: 7.56 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

Tgt Ion: 84 Resp: 277586

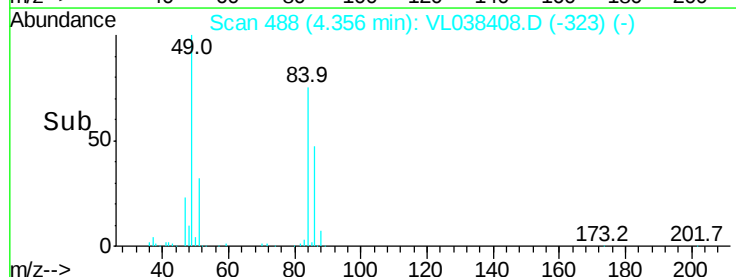
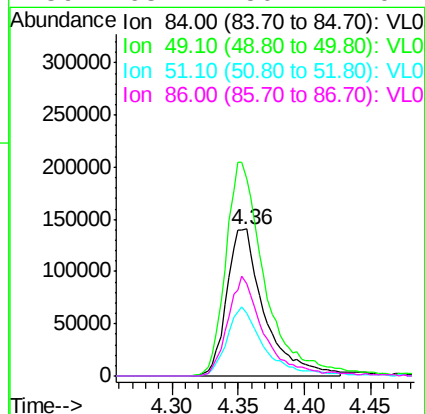
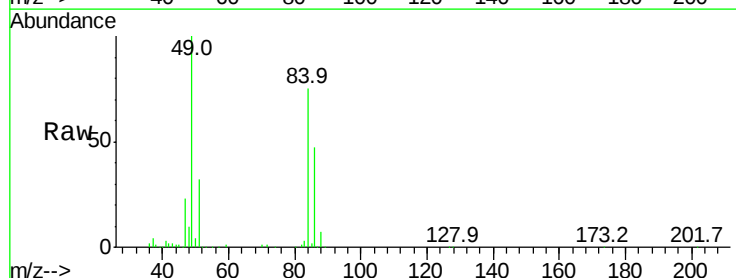
Ion Ratio Lower Upper

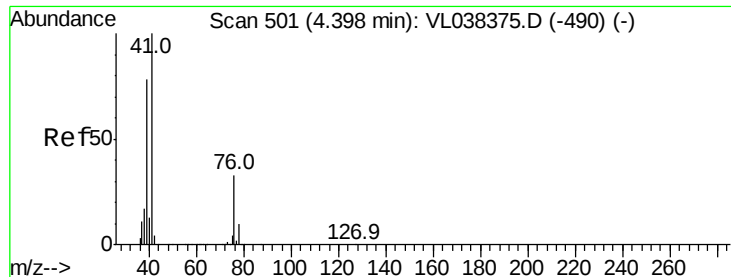
84 100

49 133.3 122.4 183.6

51 42.7 33.3 49.9

86 63.1 50.7 76.1





#21

Allyl Chloride

Concen: 0.07 ppbv

RT: 4.21 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Feb 2022 14:55

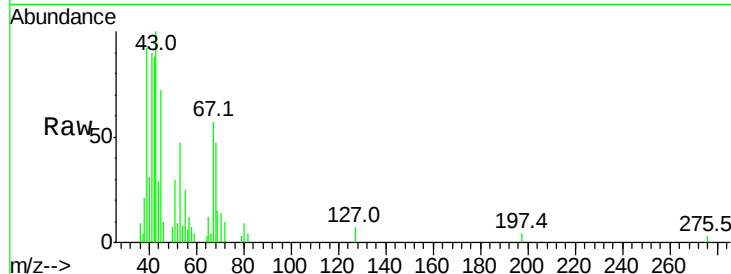
Tgt Ion: 41 Resp: 4152

Ion Ratio Lower Upper

41 100

76 7.9 25.4 38.0#

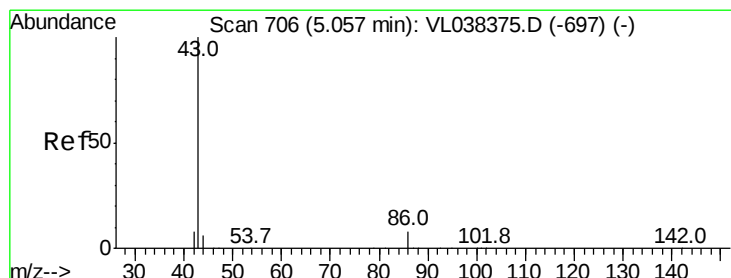
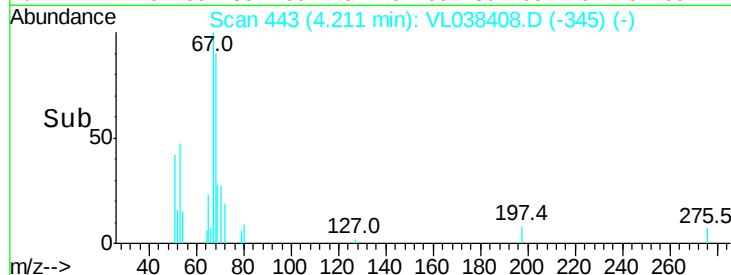
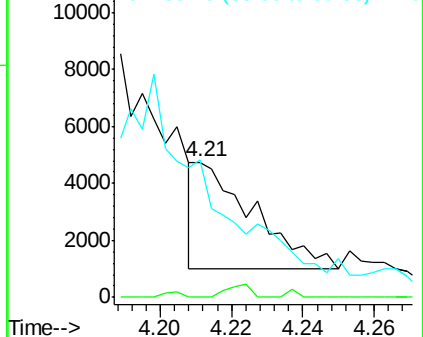
39 279.8 63.0 94.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.76 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

Tgt Ion: 43 Resp: 74529

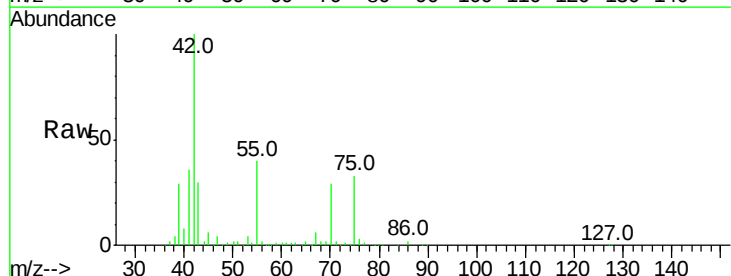
Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.6

42 371.8 7.4 11.0#

44 3.3 4.2 6.2#

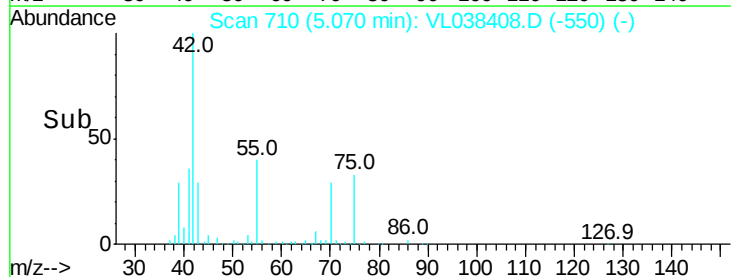
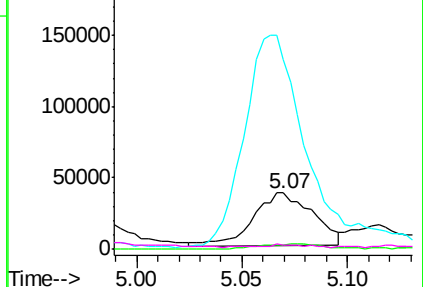


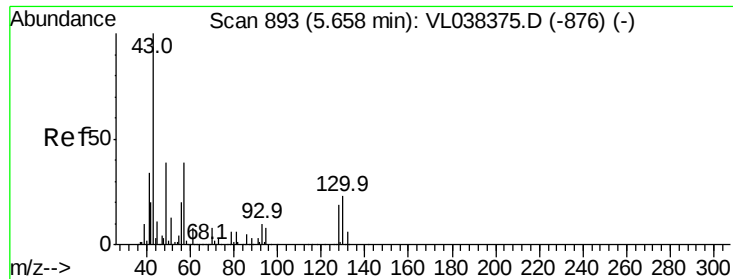
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

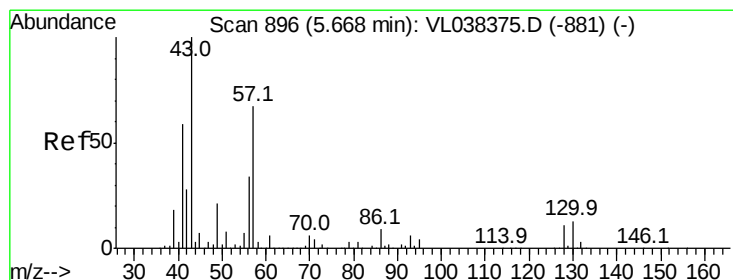
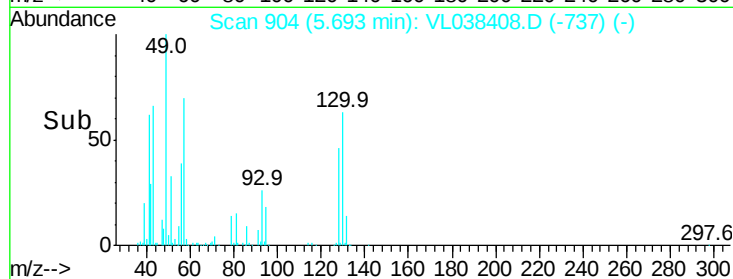
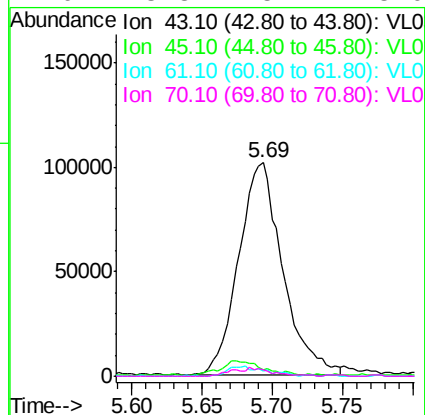
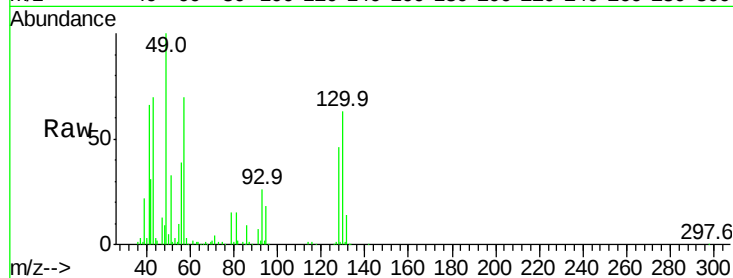
Ion 44.10 (43.80 to 44.80): VL0





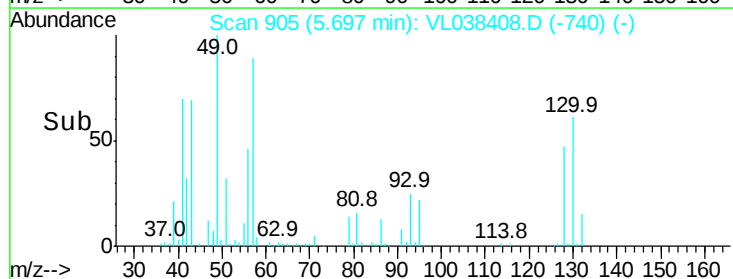
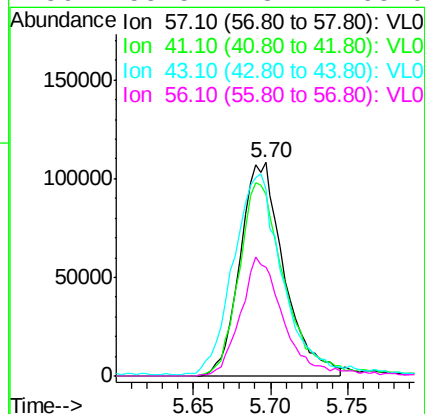
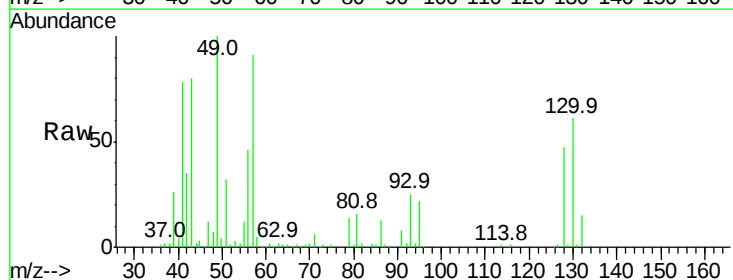
#25
Ethyl Acetate
Concen: 1.11 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Feb 2022 14:53

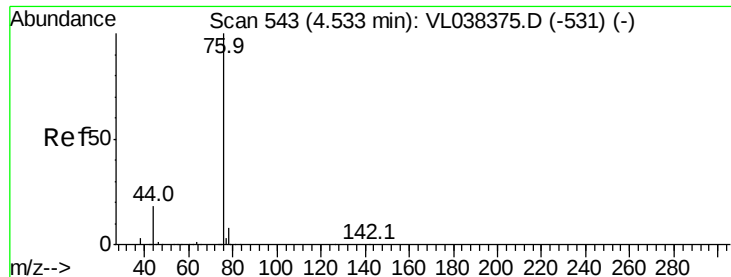
Tgt Ion:	43	Resp:	221467
Ion	Ratio	Lower	Upper
43	100		
45	7.3	7.8	11.6#
61	4.4	7.5	11.3#
70	3.8	5.4	8.0#



#26
Hexane
Concen: 2.37 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL038408.D
Acq: 23 Feb 2022 14:53

Tgt Ion:	57	Resp:	213956
Ion	Ratio	Lower	Upper
57	100		
41	95.9	73.1	109.7
43	108.0	181.0	271.4#
56	55.5	43.4	65.0





#27

Carbon Disulfide

Concen: 2.44 ppbv

RT: 4.96 Instrument: MSVOA_1

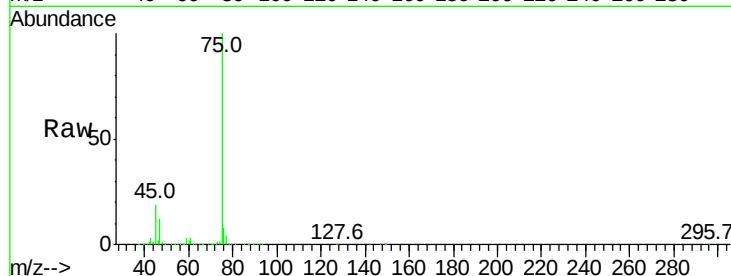
Delta R.T. ClientSampleId:

Lab File: MP-7

Acq: 23 Feb 2022 14:55

Tgt Ion: 76 Resp: 244212

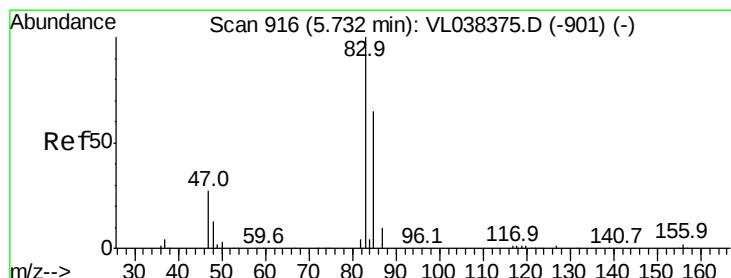
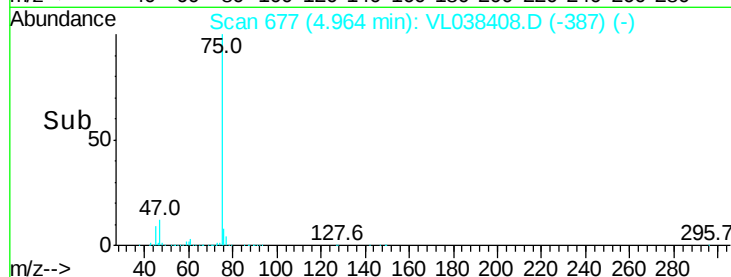
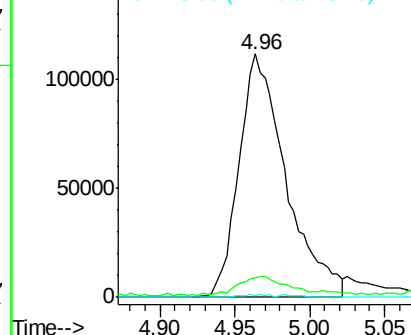
Ion	Ratio	Lower	Upper
76	100		
44	0.3	14.2	21.2#
78	1.1	7.8	11.6#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.09 ppbv

RT: 5.76 min Scan# 924

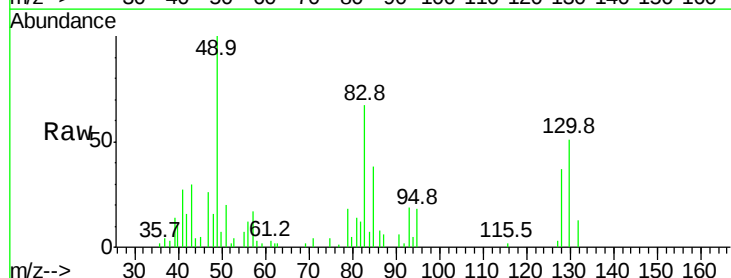
Delta R.T. 0.03 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

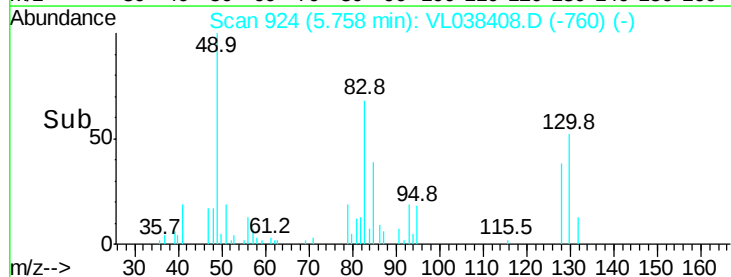
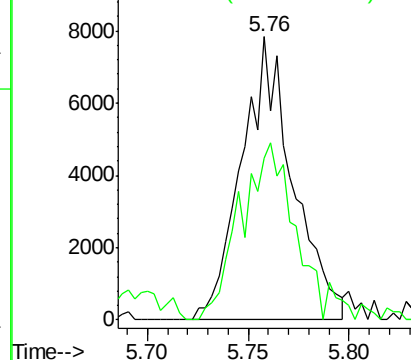
Tgt Ion: 83 Resp: 13939

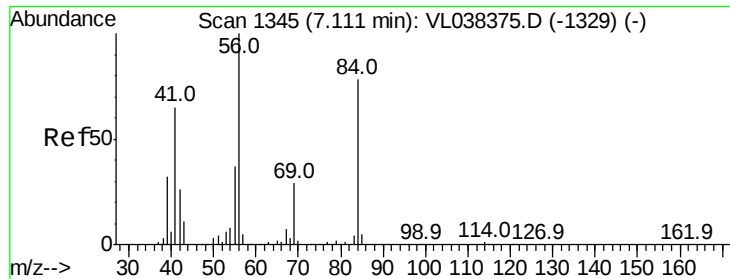
Ion	Ratio	Lower	Upper
83	100		
85	57.3	51.6	77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

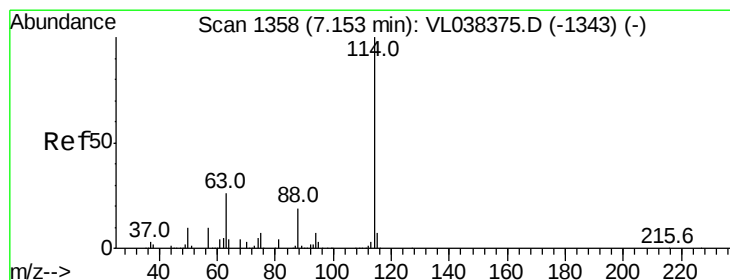
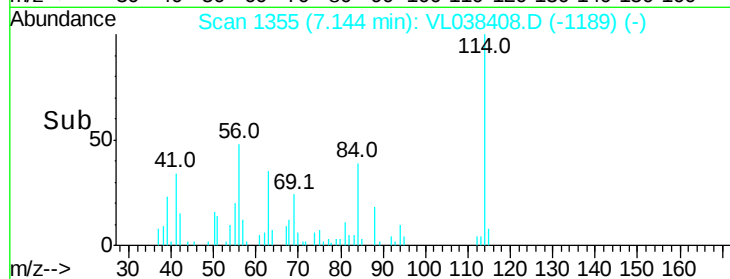
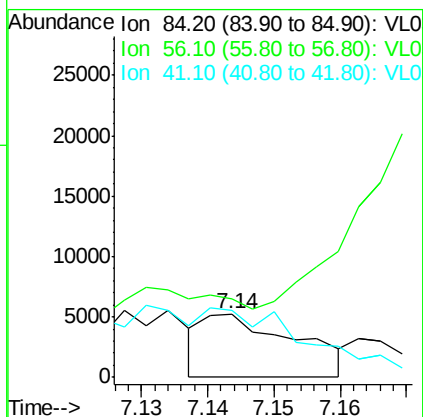
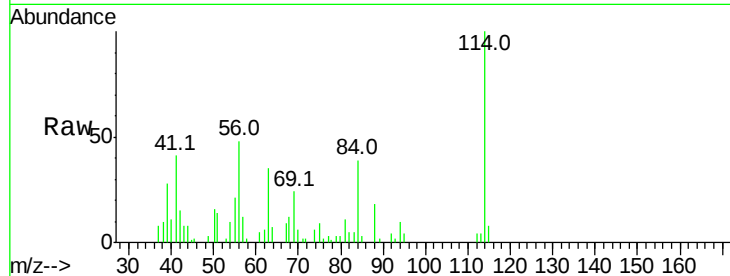
Ion 85.00 (84.70 to 85.70): VL0





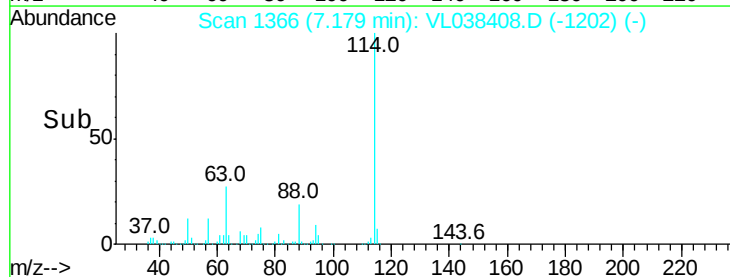
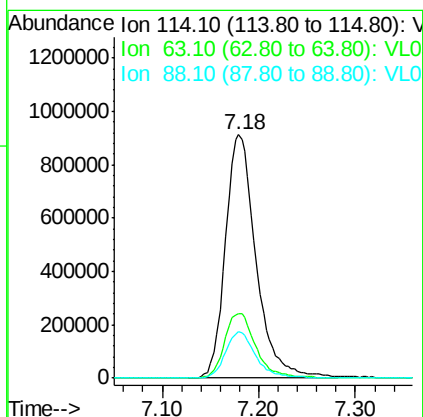
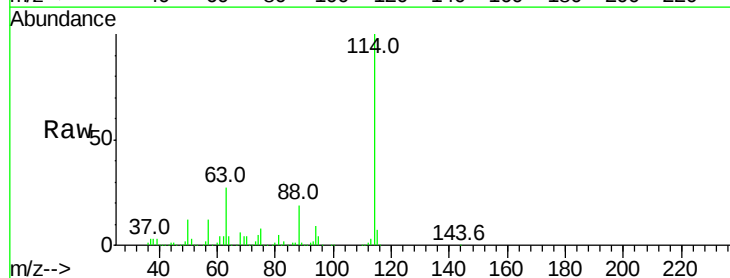
#30
Cyclohexane
Concen: 0.07 ppbv
RT: 7.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-7
Acq: 23 Feb 2022 14:55

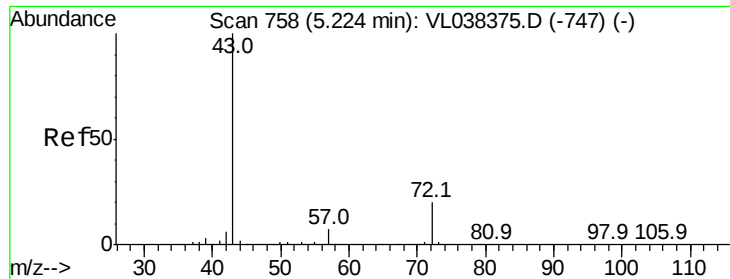
Tgt Ion: 84 Resp: 5029
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.03 min
Lab File: VL038408.D
Acq: 23 Feb 2022 14:53

Tgt Ion: 114 Resp: 2012306
Ion Ratio Lower Upper
114 100
63 27.4 22.2 33.2
88 18.9 15.2 22.8





#34

2-Butanone

Concen: 3.39 ppbv

RT: 5.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-7

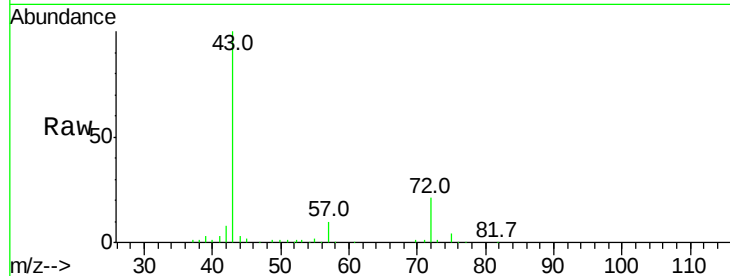
Acq: 23 Feb 2022 14:55

Tgt Ion: 43 Resp: 214239

Ion Ratio Lower Upper

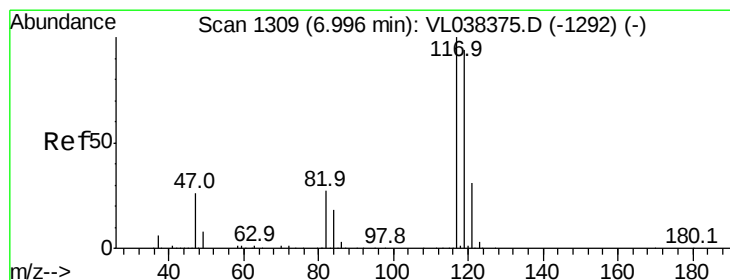
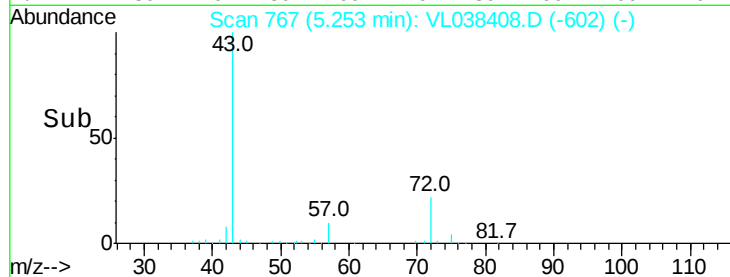
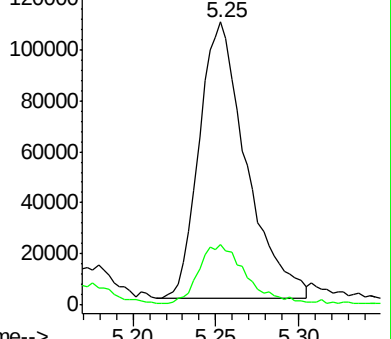
43 100

72 24.3 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.08 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.03 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

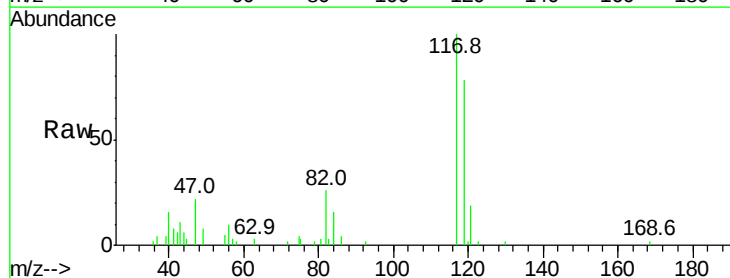
Tgt Ion: 117 Resp: 12018

Ion Ratio Lower Upper

117 100

119 78.2 74.9 112.3

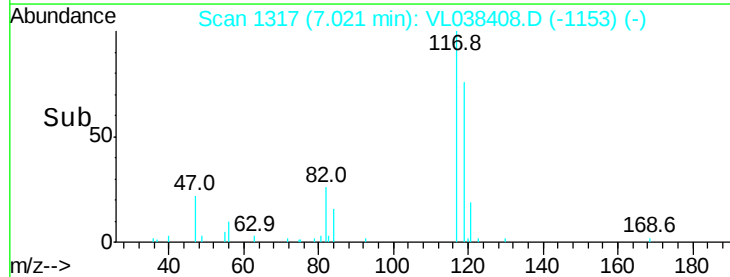
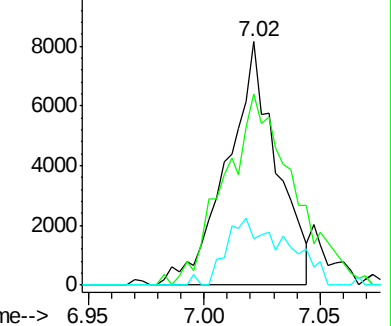
121 19.0 24.8 37.2#

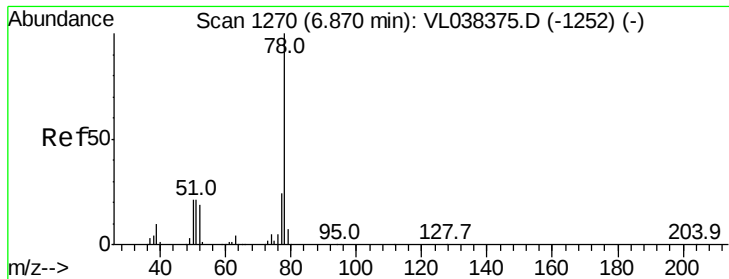


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

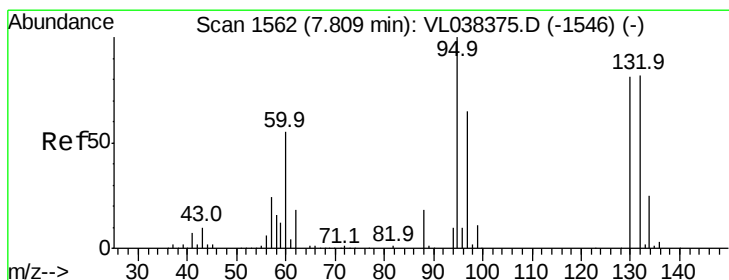
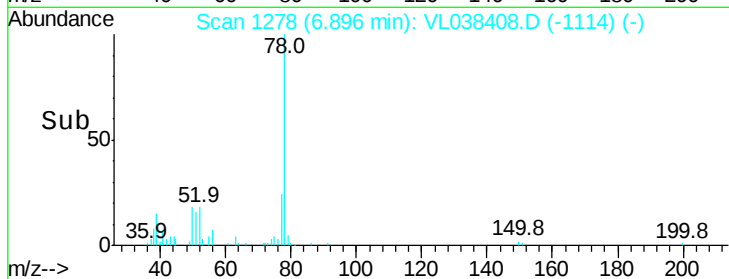
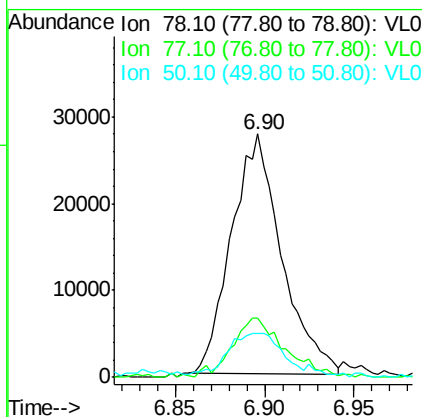
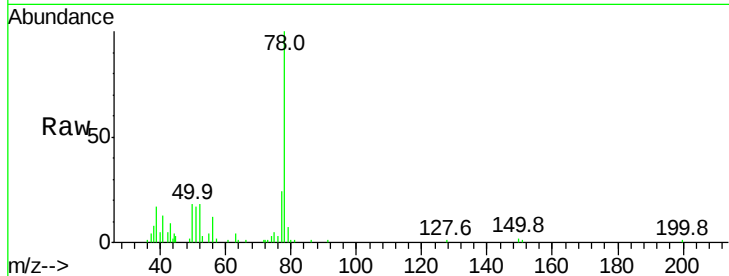
Ion 121.00 (120.70 to 121.70): V





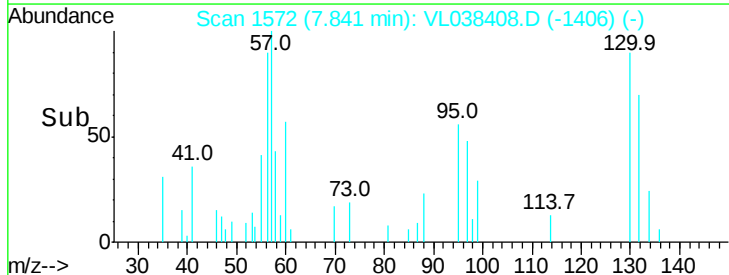
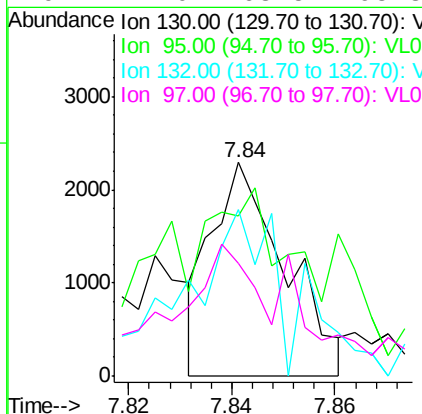
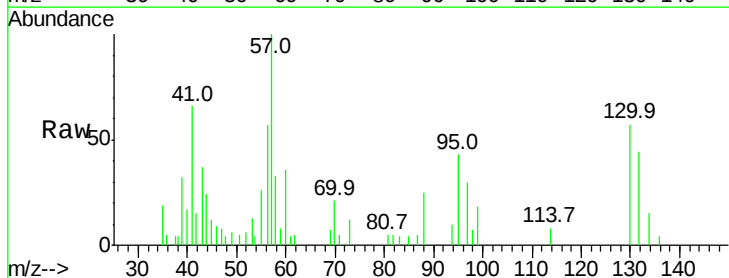
#36
Benzene
Concen: 0.31 ppbv
RT: 6.90
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Feb 2022 14:53

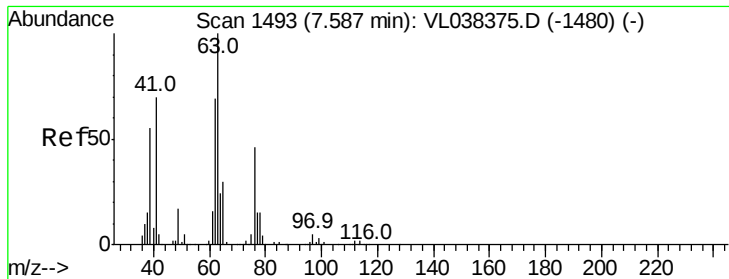
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6
50	16.8	16.6	24.8



#38
Trichloroethene
Concen: 0.04 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.03 min
Lab File: VL038408.D
Acq: 23 Feb 2022 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	43.0	98.1	147.1#
132	70.0	80.3	120.5#
97	41.0	63.5	95.3#





#39

1,2-Dichloropropane

Concen: 7.74 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 14:53

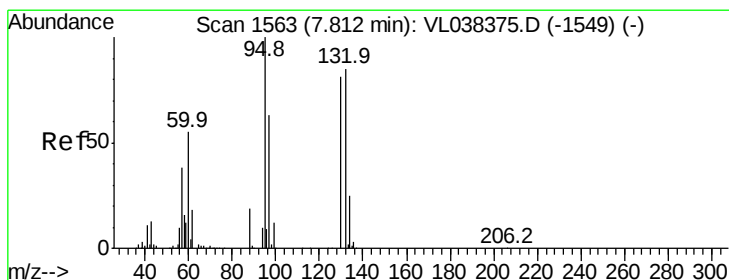
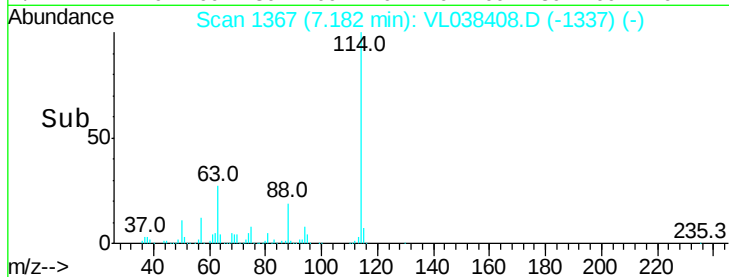
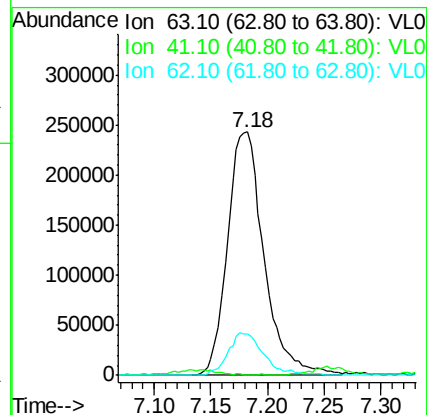
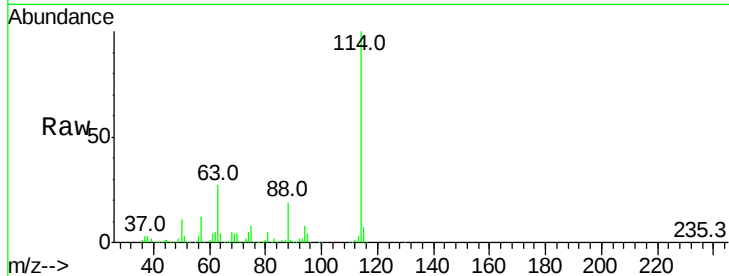
Tgt Ion: 63 Resp: 546030

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

62 16.9 55.5 83.3#



#40

1,4-Dioxane

Concen: 0.06 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.04 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

Tgt Ion: 88 Resp: 1074

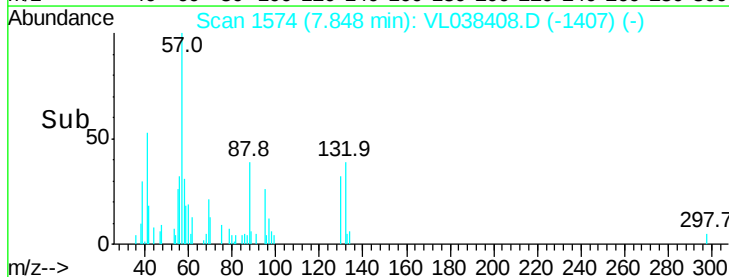
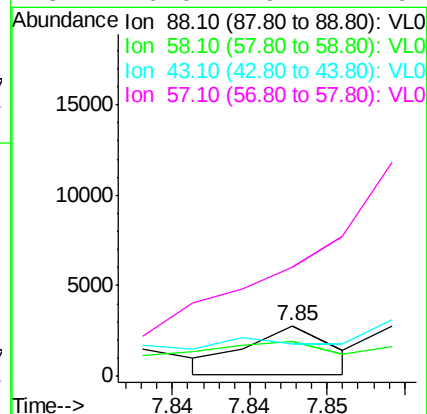
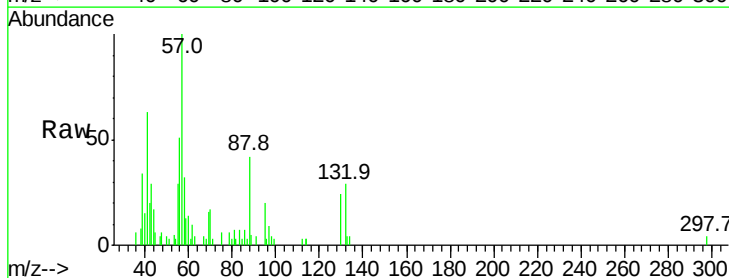
Ion Ratio Lower Upper

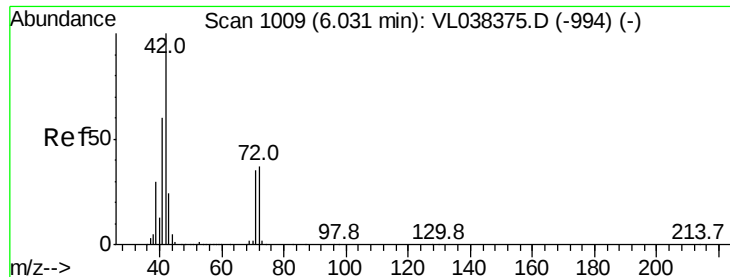
88 100

58 0.0 133.2 199.8#

43 0.0 330.6 496.0#

57 0.0 1462.7 2194.1#





#41

Tetrahydrofuran

Concen: 0.30 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 14:53

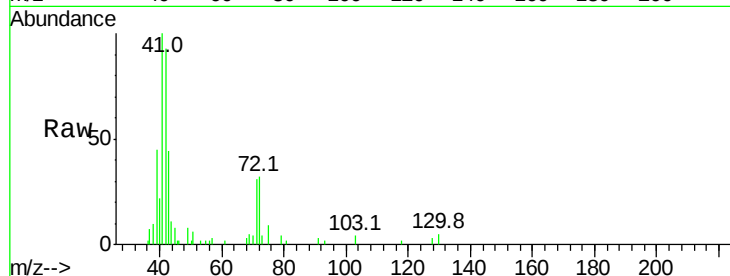
Tgt Ion: 42 Resp: 12914

Ion Ratio Lower Upper

42 100

72 66.5 29.9 44.9#

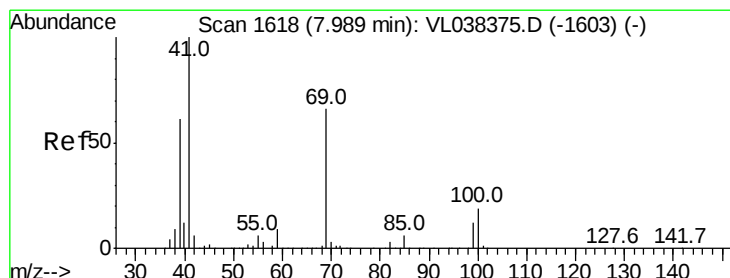
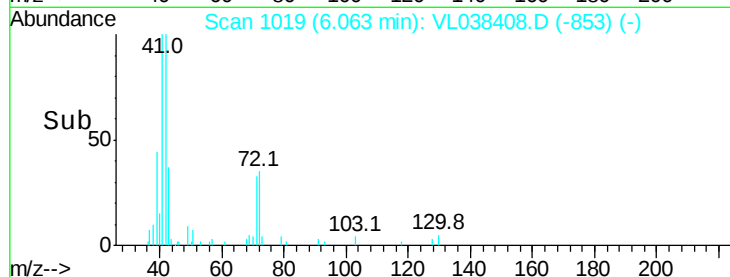
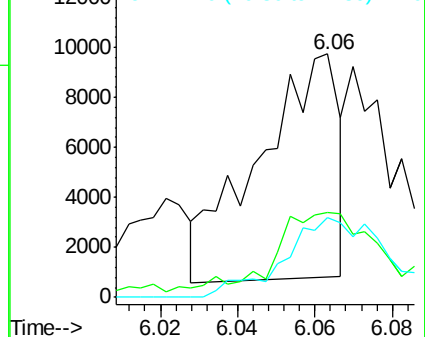
71 51.8 28.6 42.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 0.20 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.03 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

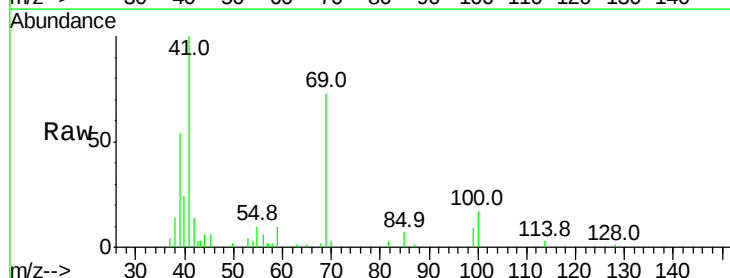
Tgt Ion: 69 Resp: 12375

Ion Ratio Lower Upper

69 100

41 280.8 122.9 184.3#

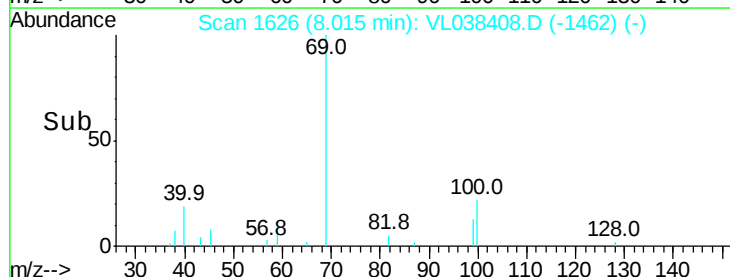
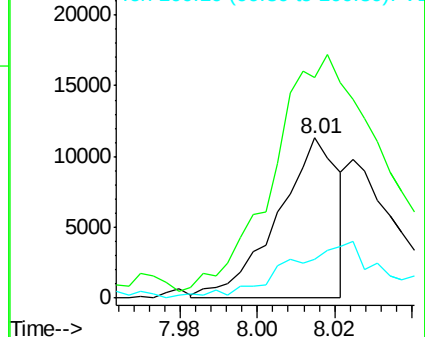
100 0.0 23.6 35.4#

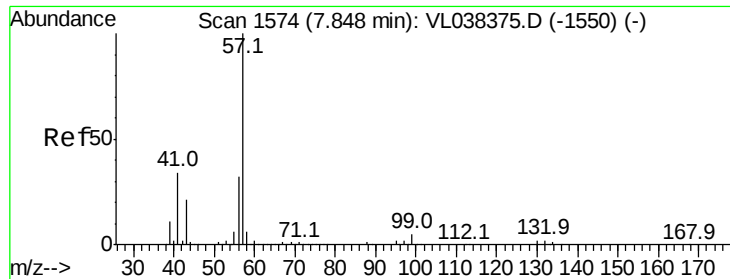


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.18 ppbv

RT: 7.87 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Feb 2022 14:53 MP-7

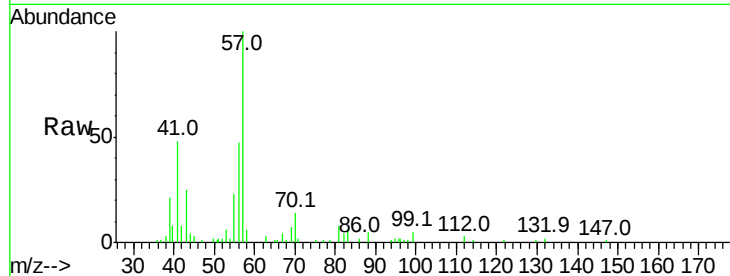
Tgt Ion: 57 Resp: 53579

Ion Ratio Lower Upper

57 100

41 57.2 26.6 39.8#

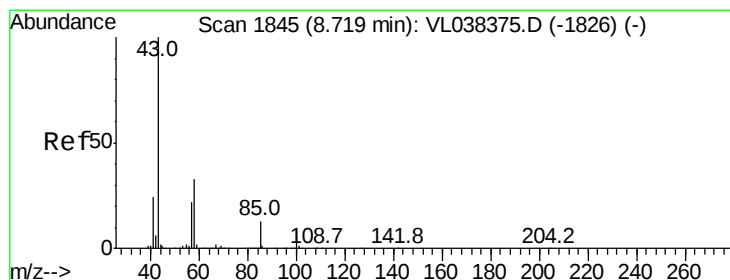
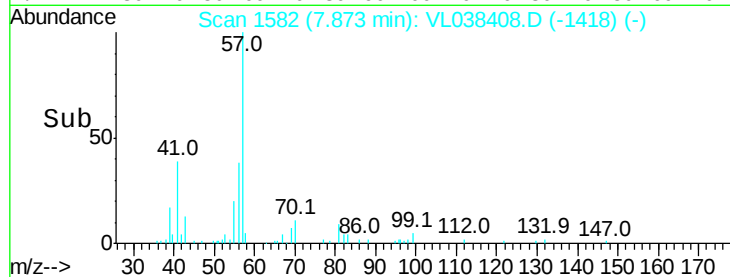
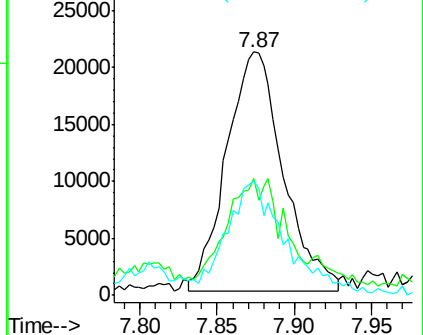
56 51.0 25.0 37.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 0.13 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.04 min

Lab File: VL038408.D

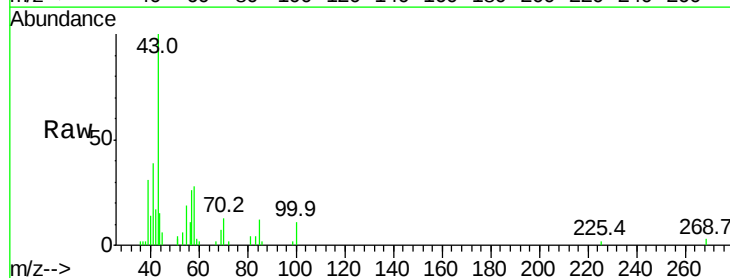
Acq: 23 Feb 2022 14:53

Tgt Ion: 43 Resp: 14550

Ion Ratio Lower Upper

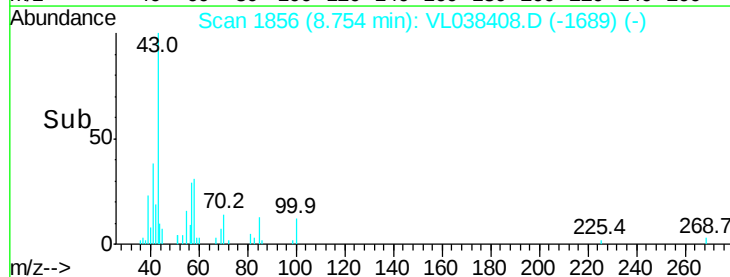
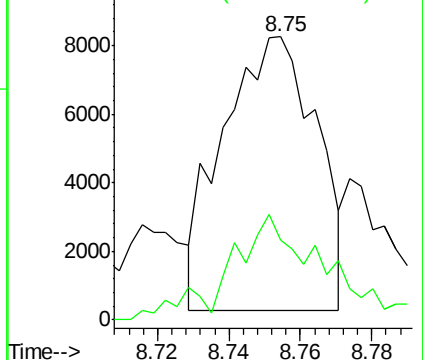
43 100

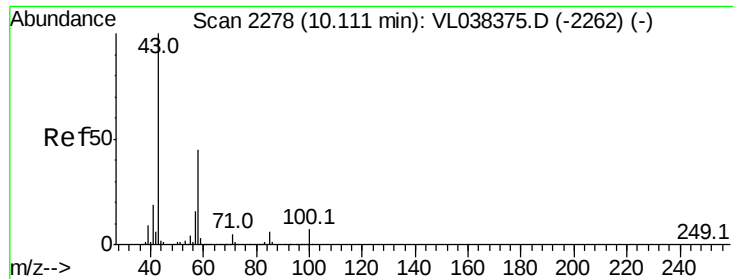
58 42.4 27.7 41.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.20 ppbv

RT: 10.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 14:55

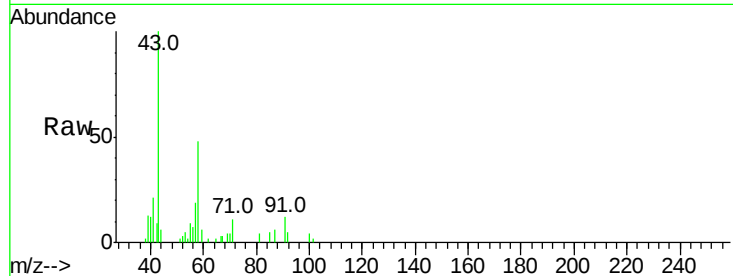
Tgt Ion: 43 Resp: 10130

Ion Ratio Lower Upper

43 100

58 106.9 37.4 56.0#

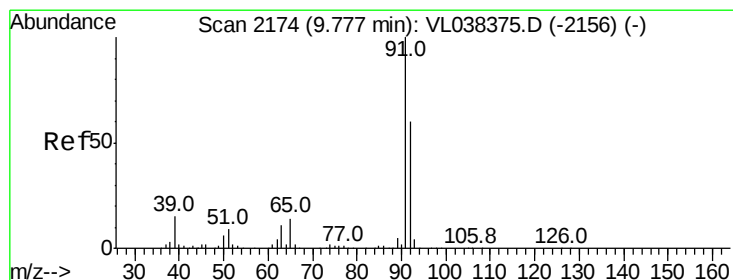
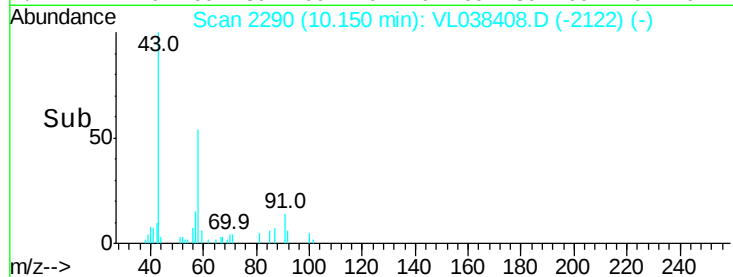
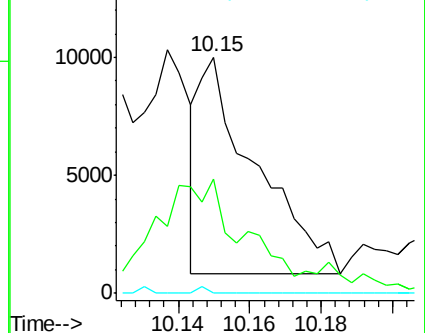
98 0.0 0.1 0.1#



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: 5.42 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.03 min

Lab File: VL038408.D

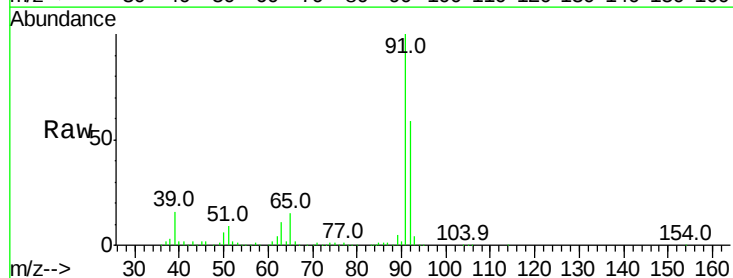
Acq: 23 Feb 2022 14:53

Tgt Ion: 91 Resp: 1042888

Ion Ratio Lower Upper

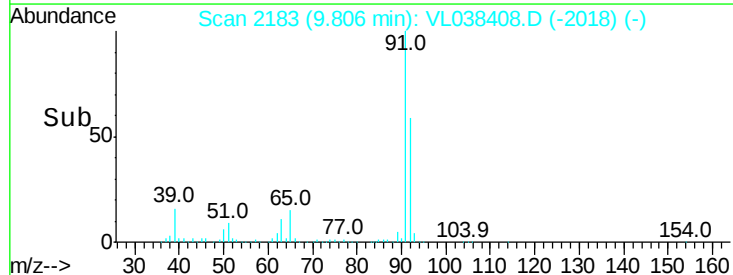
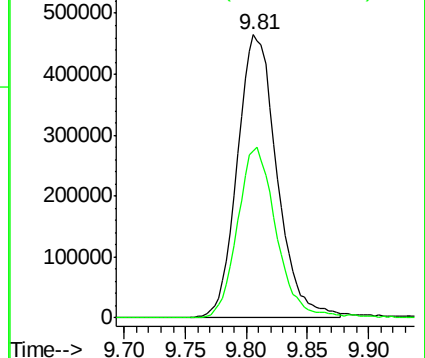
91 100

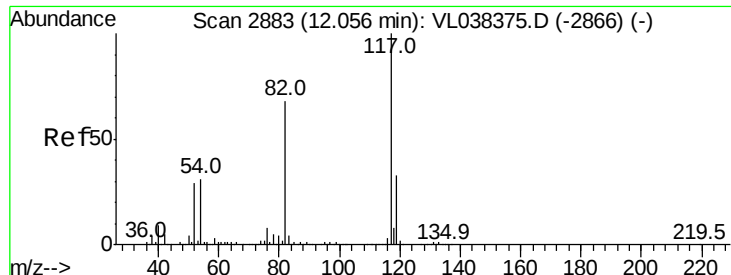
92 59.6 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

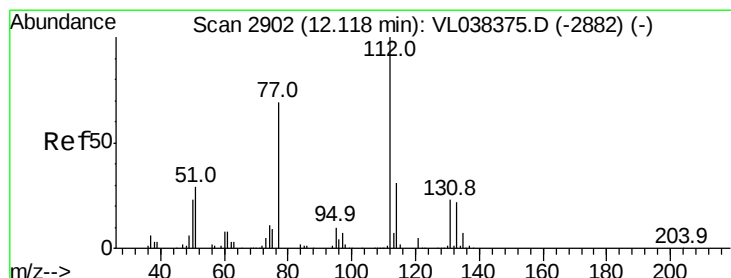
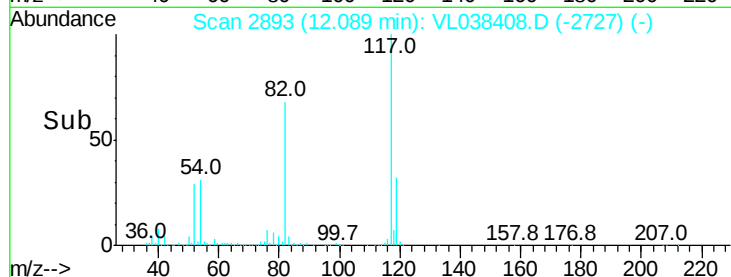
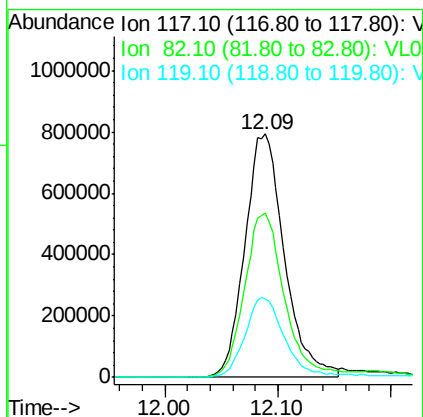
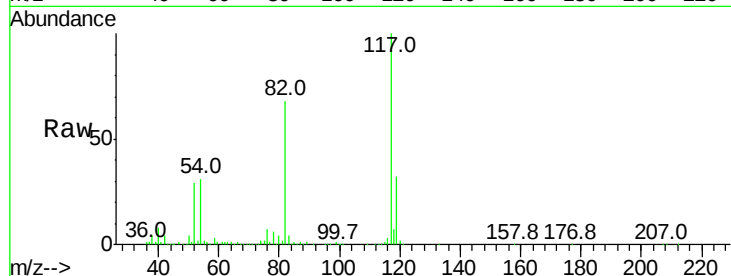
Ion 92.10 (91.80 to 92.80): VL0





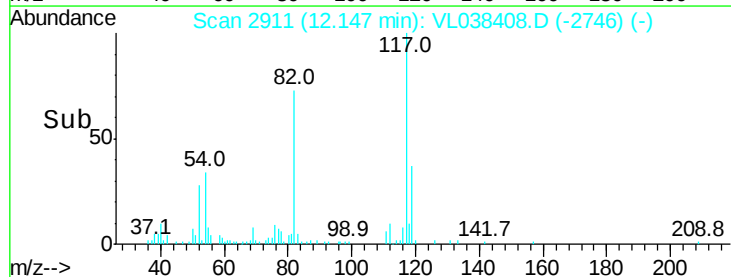
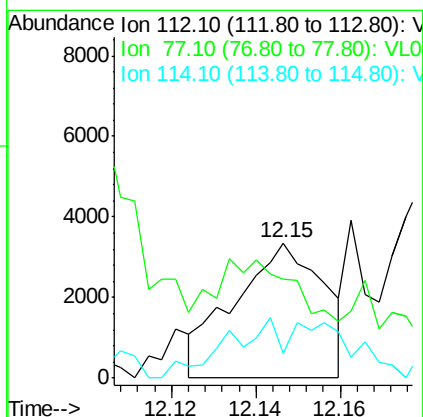
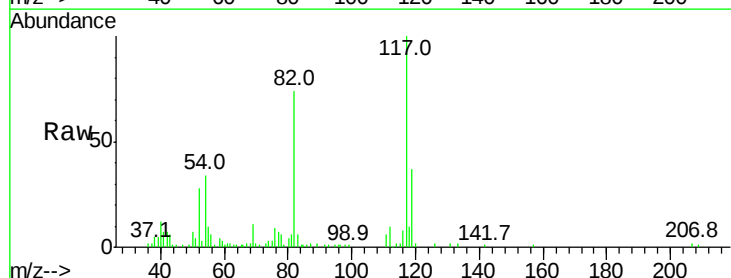
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-7
Acq: 23 Feb 2022 14:55

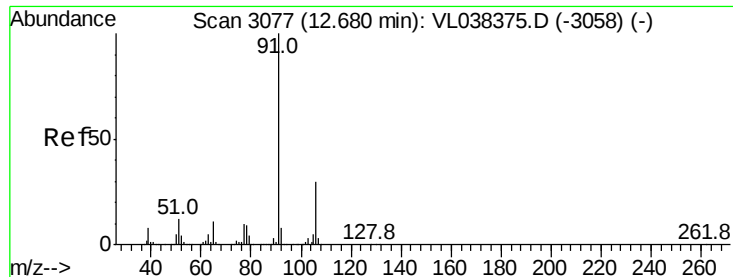
Tgt Ion:117 Resp: 1926822
Ion Ratio Lower Upper
117 100
82 68.2 54.9 82.3
119 33.5 46.1 69.1#



#57
Chlorobenzene
Concen: 0.03 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.03 min
Lab File: VL038408.D
Acq: 23 Feb 2022 14:53

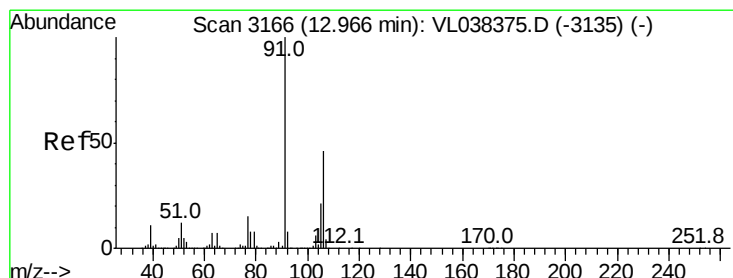
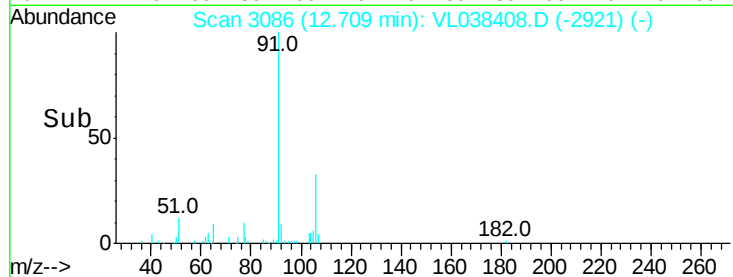
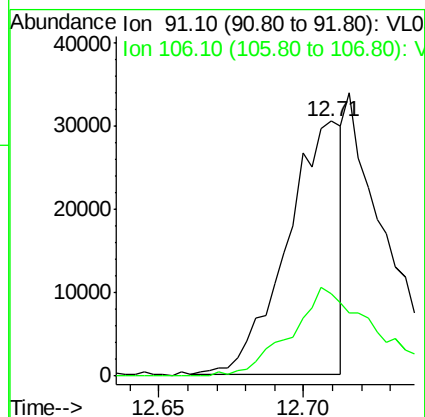
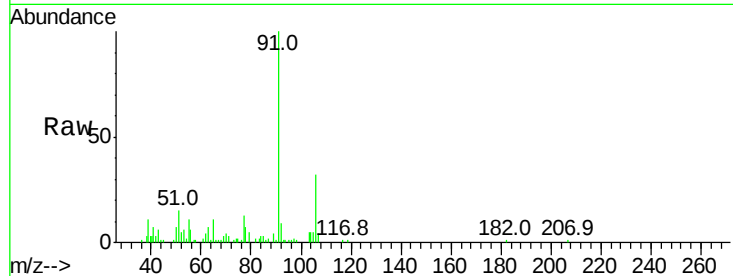
Tgt Ion:112 Resp: 4909
Ion Ratio Lower Upper
112 100
77 46.1 55.2 82.8#
114 13.8 27.9 34.1#





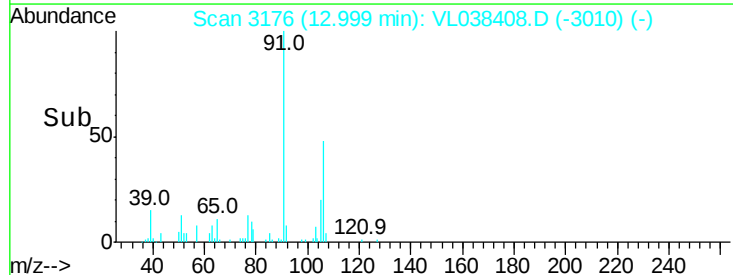
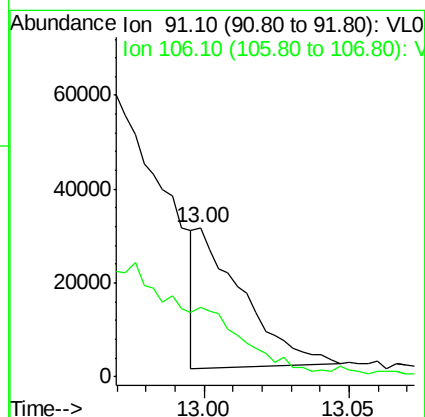
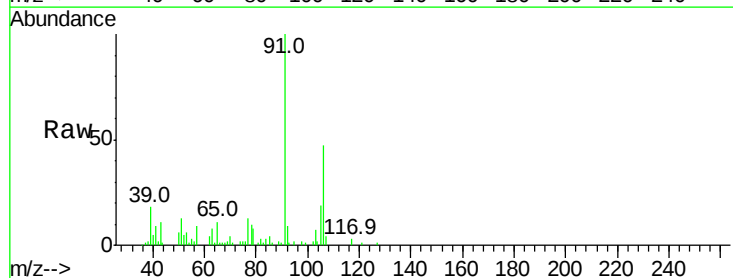
#58
Ethyl Benzene
Concen: 0.15 ppbv
RT: 12.71 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Feb 2022 14:55

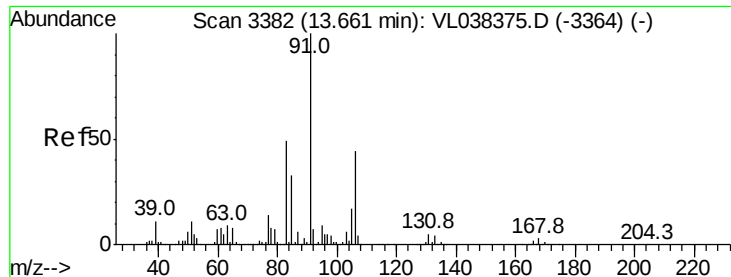
Tgt Ion: 91 Resp: 39768
Ion Ratio Lower Upper
91 100
106 32.5 24.0 36.0



#59
m/p-Xylene
Concen: 0.15 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL038408.D
Acq: 23 Feb 2022 14:53

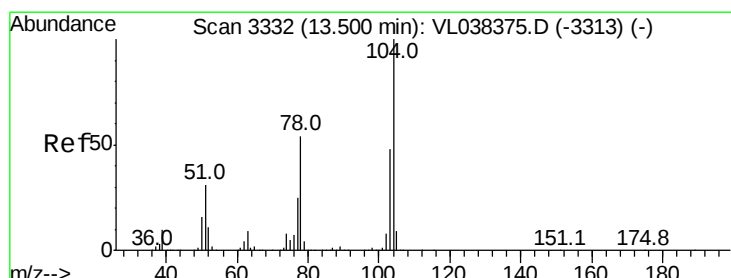
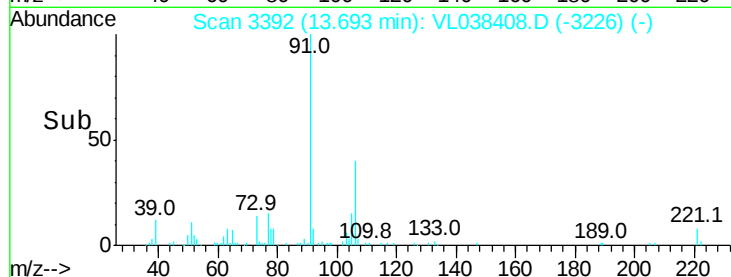
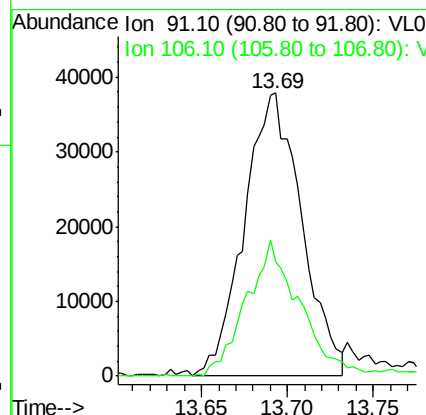
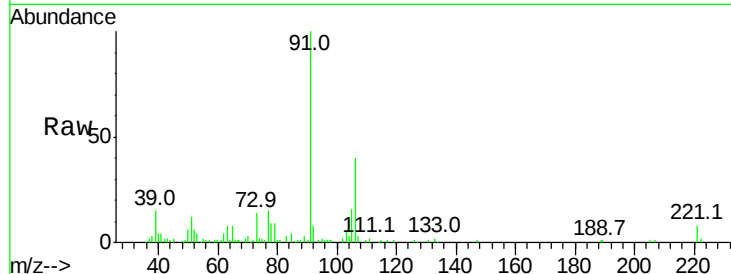
Tgt Ion: 91 Resp: 33029
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





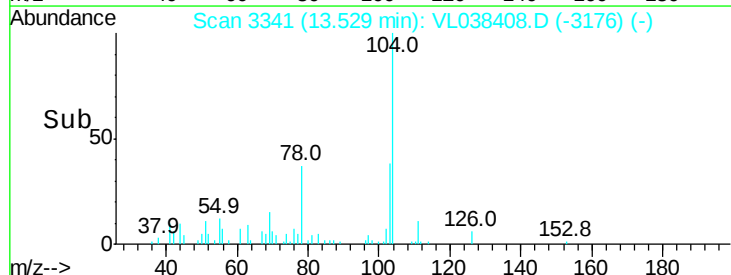
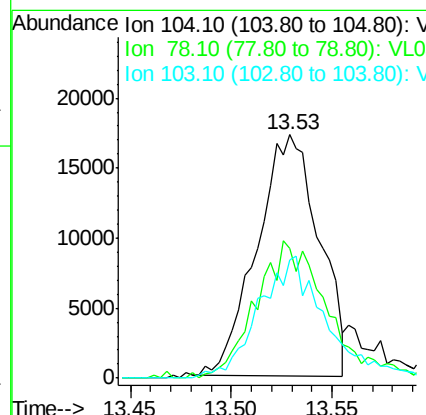
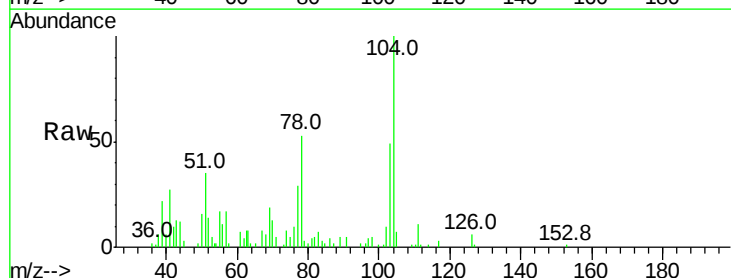
#60
o-Xylene
Concen: 0.41 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-7
Acq: 23 Feb 2022 14:53

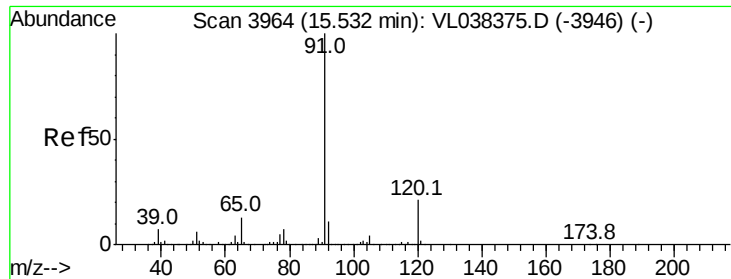
Tgt Ion: 91 Resp: 87737
Ion Ratio Lower Upper
91 100
106 45.4 21.9 65.5



#61
Styrene
Concen: 0.38 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.03 min
Lab File: VL038408.D
Acq: 23 Feb 2022 14:53

Tgt Ion: 104 Resp: 37043
Ion Ratio Lower Upper
104 100
78 67.4 44.2 66.4#
103 56.0 38.4 57.6





#64

n-propylbenzene

Concen: 0.06 ppbv

RT: 15.56

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

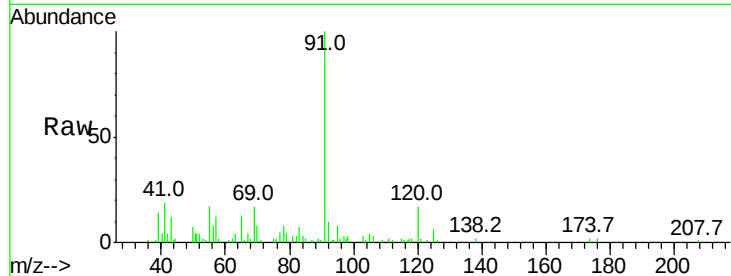
Acq: 23 Feb 2022 14:53

Tgt Ion:120 Resp: 3956

Ion Ratio Lower Upper

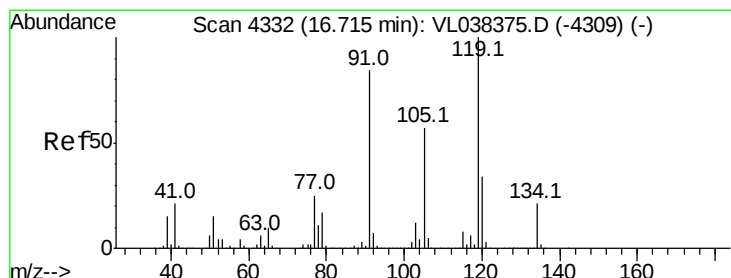
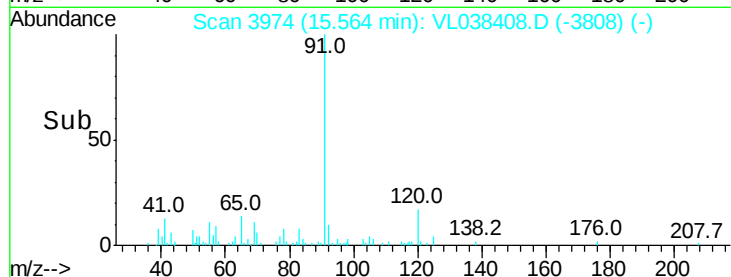
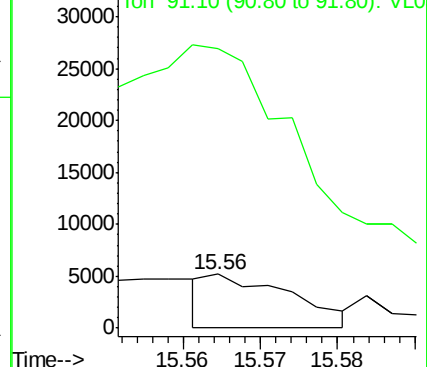
120 100

91 1749.1 388.1 582.1#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.06 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.04 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

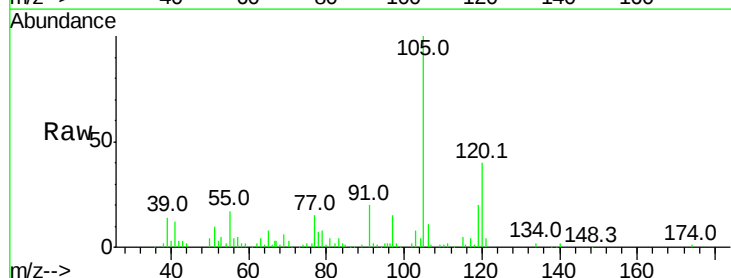
Tgt Ion:119 Resp: 13955

Ion Ratio Lower Upper

119 100

91 239.9 68.0 102.0#

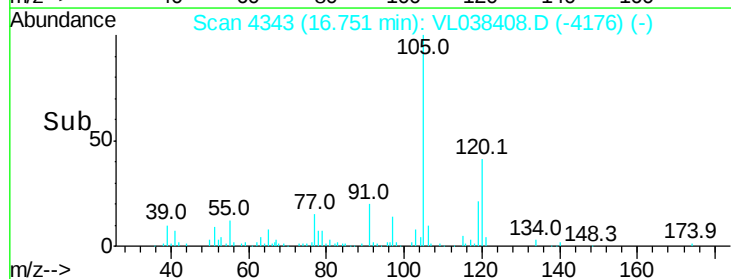
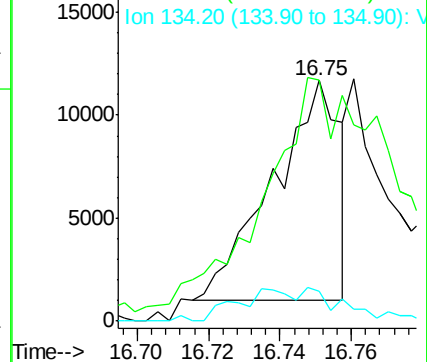
134 22.4 15.8 23.8

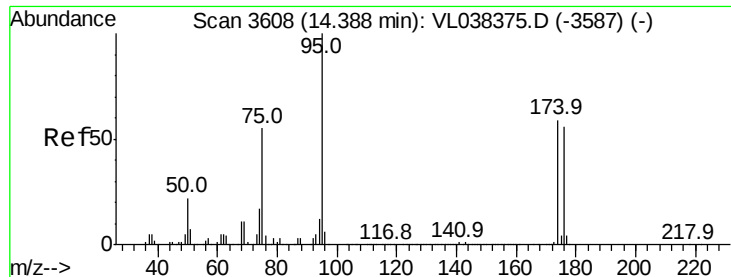


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

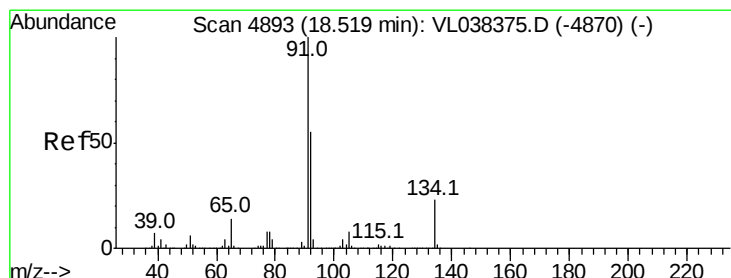
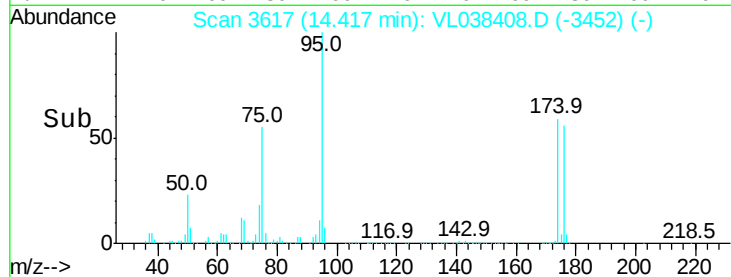
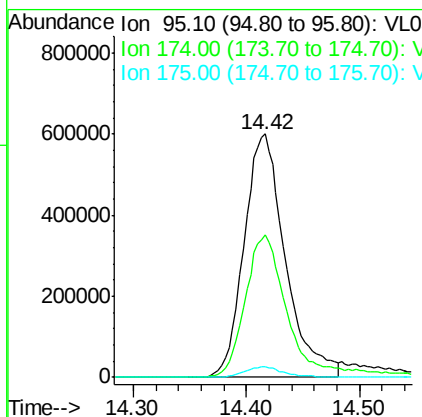
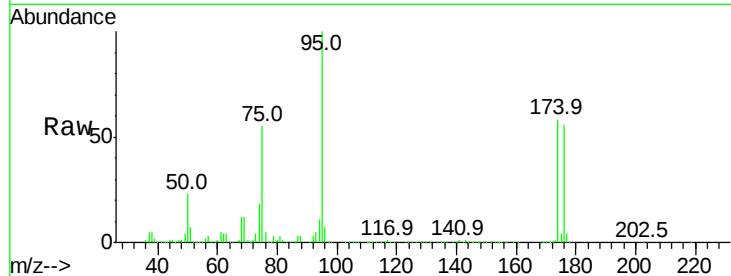
Ion 134.20 (133.90 to 134.90): V





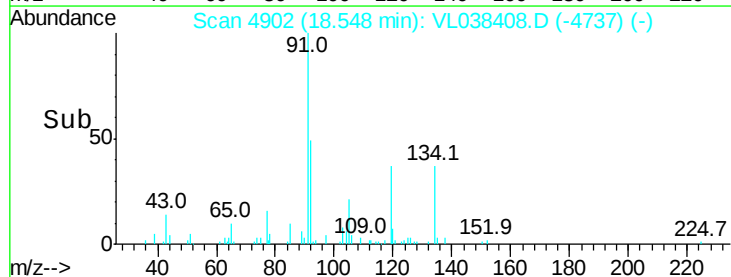
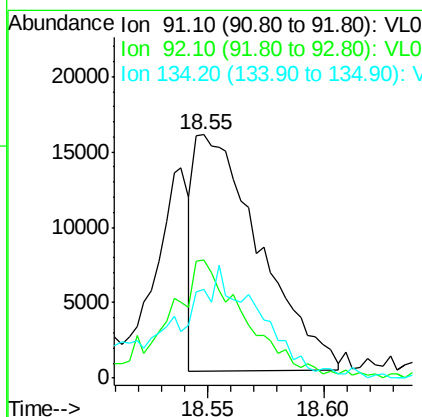
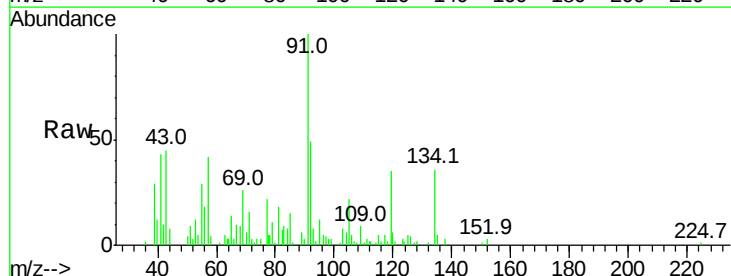
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.52 ppbv
 RT: 14.42 min
 Delta R.T. 0.03 min
 Lab File: VL038408.D
 Acq: 23 Feb 2022 14:53

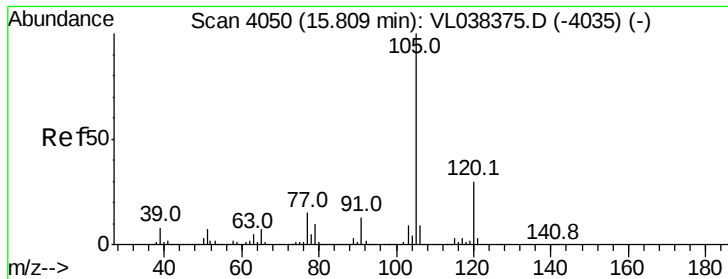
Tgt Ion: 95 Resp: 1518027
 Ion Ratio Lower Upper
 95 100
 174 62.6 49.0 73.4
 175 4.4 3.6 5.4



#70
 n-Butylbenzene
 Concen: 0.11 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.03 min
 Lab File: VL038408.D
 Acq: 23 Feb 2022 14:53

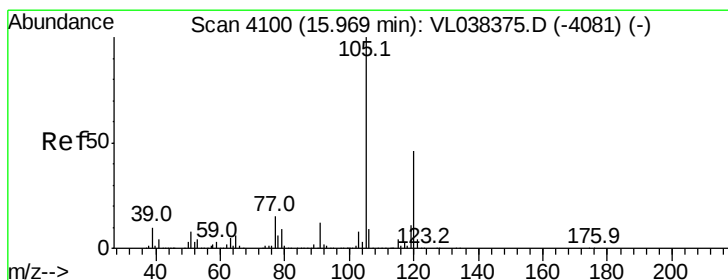
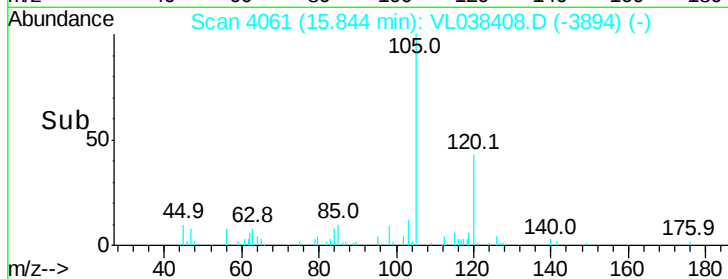
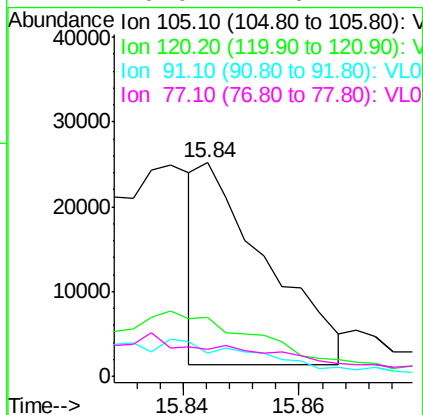
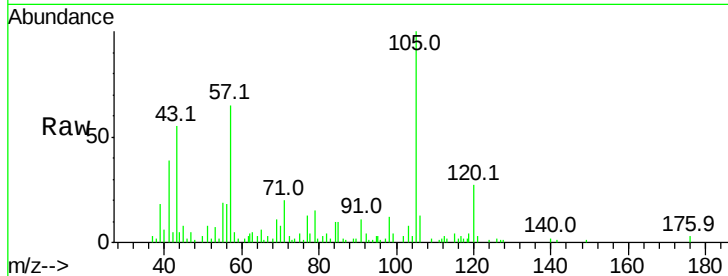
Tgt Ion: 91 Resp: 30824
 Ion Ratio Lower Upper
 91 100
 92 62.1 43.1 64.7
 134 69.0 17.4 26.0#





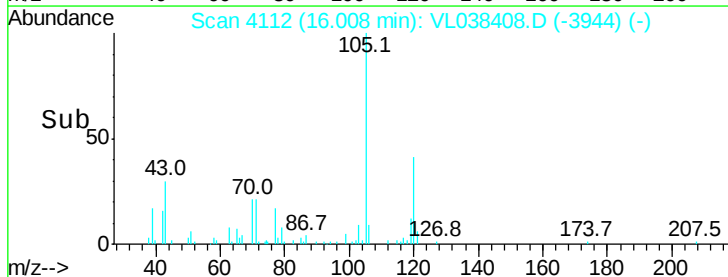
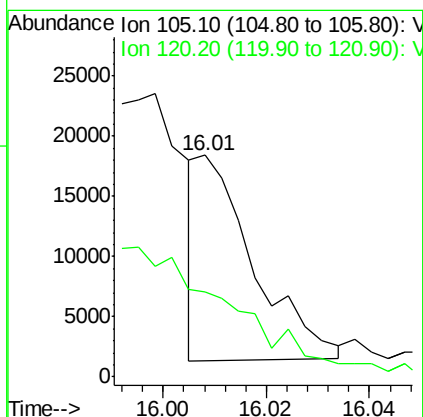
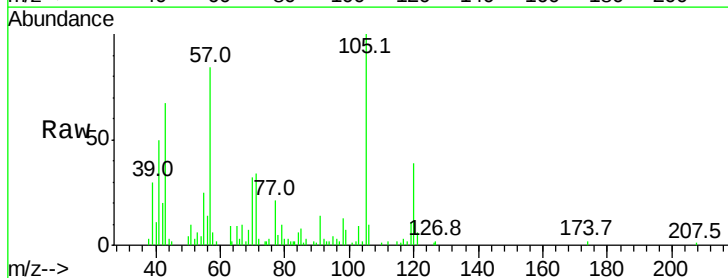
#72
 4-Ethyltoluene
 Concen: 0.08 ppbv
 RT: 15.84 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 MP-7
 Acq: 23 Feb 2022 14:53

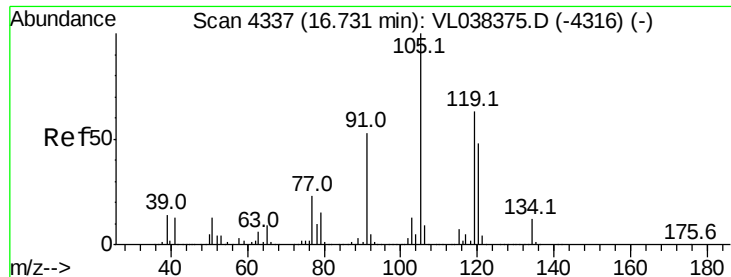
Tgt Ion:	105	Resp:	19101
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.4	35.2#
91	0.0	10.4	15.6#
77	0.0	11.6	17.4#



#73
 1,3,5-Trimethylbenzene
 Concen: 0.06 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. 0.04 min
 Lab File: VL038408.D
 Acq: 23 Feb 2022 14:53

Tgt Ion:	105	Resp:	12751
Ion Ratio	Lower	Upper	
105	100		
120	37.4	36.6	55.0





#74

1,2,4-Trimethylbenzene

Concen: 0.70 ppbv

RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Feb 2022 14:53

Tgt Ion:105 Resp: 158282

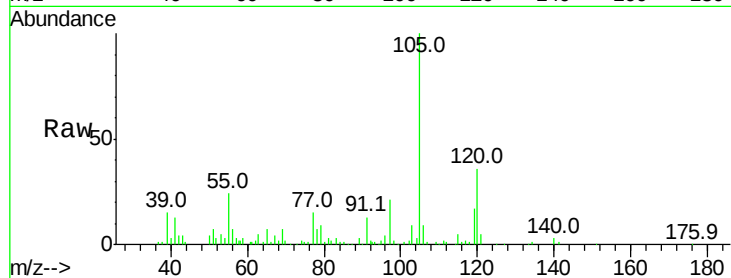
Ion Ratio Lower Upper

105 100

120 36.4 38.2 57.4#

91 13.2 42.7 64.1#

77 13.5 18.5 27.7#

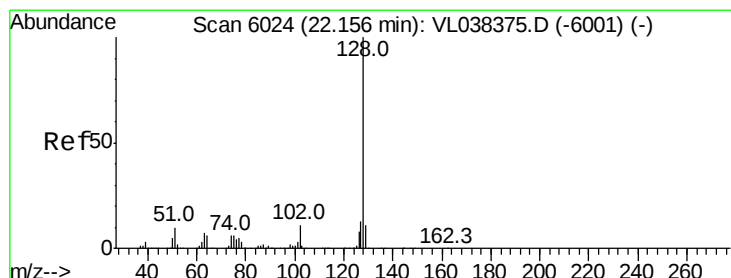
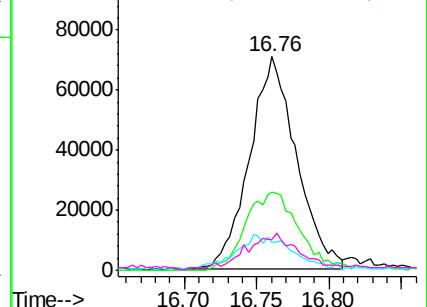
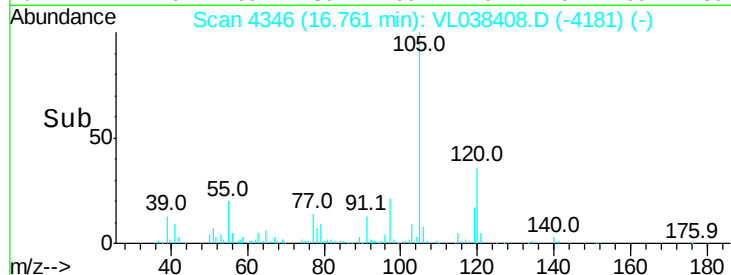


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.16 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. 0.04 min

Lab File: VL038408.D

Acq: 23 Feb 2022 14:53

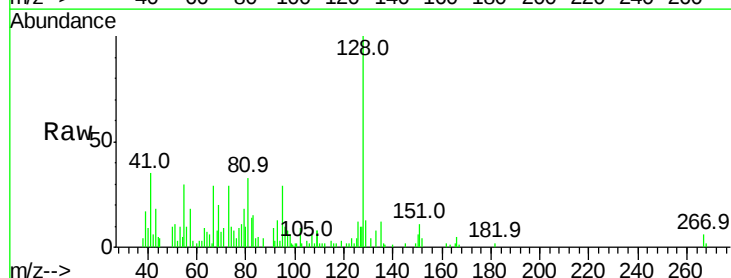
Tgt Ion:128 Resp: 19338

Ion Ratio Lower Upper

128 100

127 12.4 10.7 16.1

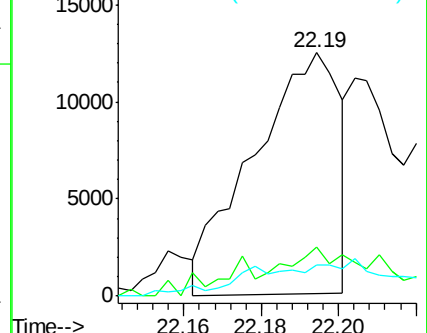
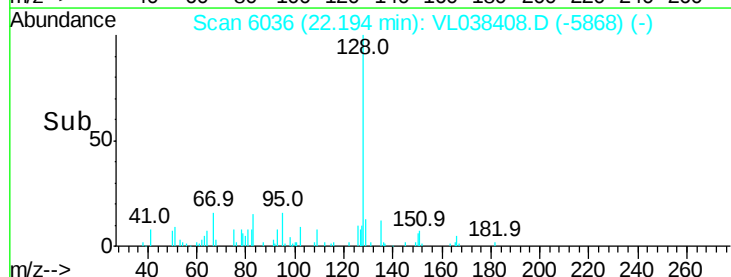
129 9.8 8.8 13.2

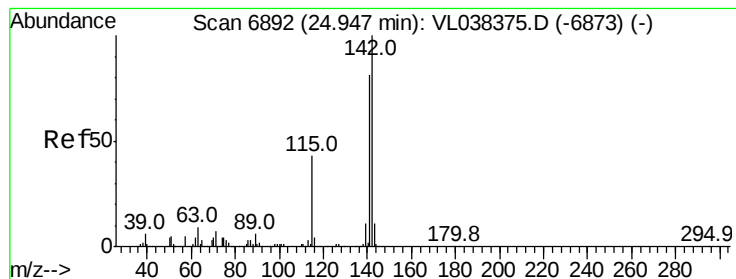


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.05 ppbv

RT: 25.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Feb 2022 14:33

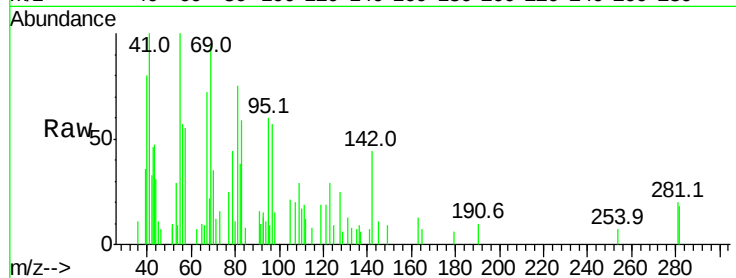
Tgt Ion: 142 Resp: 1079

Ion Ratio Lower Upper

142 100

141 0.0 69.8 104.6#

115 53.8 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

