

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038596.D
 Acq On : 14 Mar 2022 14:58
 Operator : SY/AP
 Sample : N1885-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Quant Time: Mar 15 01:36:53 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	859147	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2260071	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2006857	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1535480	10.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	20722	0.16	ppbv	95
3) Chlorodifluoromethane	2.98	51	54763	0.36	ppbv #	84
4) Chloromethane	3.13	50	17304	0.31	ppbv	96
9) Propene	3.01	41	521897	9.76	ppbv #	82
10) Heptane	8.09	43	365910	2.86	ppbv	96
11) Trichlorofluoromethane	3.93	101	24142	0.21	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5103	0.06	ppbv	83
13) Ethanol	3.59	45	240087	39.10	ppbv	94
15) Acetone	3.83	43	3600789	59.42	ppbv	95
16) 1,3-Butadiene	3.29	39	99779	2.05	ppbv #	36
17) tert-Butyl alcohol	4.28	59	26464	0.40	ppbv #	73
19) Isopropyl Alcohol	3.95	45	115210	2.85	ppbv #	92
20) Methylene Chloride	4.33	84	1818878	49.87	ppbv	97
21) Allyl Chloride	4.32	41	59517	1.02	ppbv #	23
23) Vinyl Acetate	5.04	43	65205	0.75	ppbv #	1
25) Ethyl Acetate	5.66	43	585324	2.87	ppbv #	77
26) Hexane	5.66	57	813802	8.49	ppbv #	44
27) Carbon Disulfide	4.53	76	294792	3.09	ppbv	99
29) Chloroform	5.73	83	16248	0.11	ppbv	94
30) Cyclohexane	7.10	84	92590	1.12	ppbv #	82
34) 2-Butanone	5.22	43	344671	5.88	ppbv	93
36) Benzene	6.86	78	216033	1.06	ppbv	94
39) 1,2-Dichloropropane	7.15	63	517854	6.60	ppbv #	27
40) 1,4-Dioxane	7.82	88	2142	0.11	ppbv #	1
41) Tetrahydrofuran	6.29	42	30457	0.64	ppbv #	38
44) 2,2,4-Trimethylpentane	7.84	57	28506	0.08	ppbv #	1
50) 4-Methyl-2-Pentanone	8.72	43	67388	0.56	ppbv	94
51) 2-Hexanone	10.10	43	238486	4.70	ppbv #	96
52) Tetrachloroethene	11.18	164	4296	0.06	ppbv	84
53) Toluene	9.77	91	478520	2.20	ppbv	100
58) Ethyl Benzene	12.68	91	122171	0.47	ppbv	95
59) m/p-Xylene	12.93	91	429120	1.93	ppbv	92
60) o-Xylene	13.65	91	380878	1.81	ppbv	100
61) Styrene	13.49	104	7666	0.07	ppbv #	30
62) Isopropylbenzene	14.63	105	22409	0.08	ppbv #	58
64) n-propylbenzene	15.52	120	6450	0.09	ppbv #	1
65) tert-Butylbenzene	16.72	119	57659	0.22	ppbv #	72
66) Benzyl Chloride	16.72	91	57379	3.74	ppbv #	66
67) sec-Butylbenzene	17.26	105	38903	0.11	ppbv	98
69) p-Isopropyltoluene	17.61	119	12325	0.04	ppbv #	26
70) n-Butylbenzene	18.52	91	28184	0.09	ppbv #	65

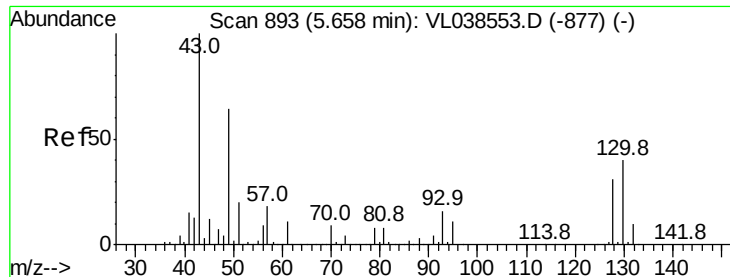
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038596.D
Acq On : 14 Mar 2022 14:58
Operator : SY/AP
Sample : N1885-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-2

Quant Time: Mar 15 01:36:53 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.81	105	66816	0.28	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.96	105	263488	1.18	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	506580	2.12	ppbv #	79
79) Naphthalene	22.15	128	521936	2.42	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	4609	0.12	ppbv #	70

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. SS-2

Lab File: ClientSampleId :

Acq: 14 Mar 2022 14:58

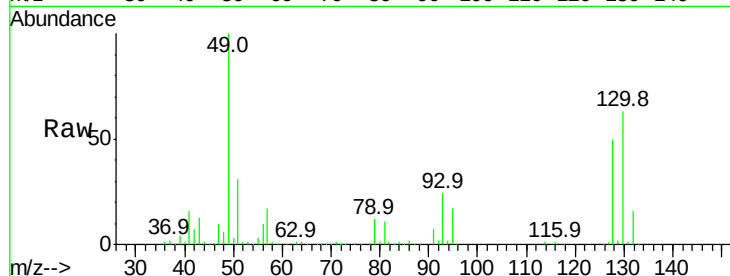
Tgt Ion: 49 Resp: 859147

Ion Ratio Lower Upper

49 100

128 52.1 26.4 79.2

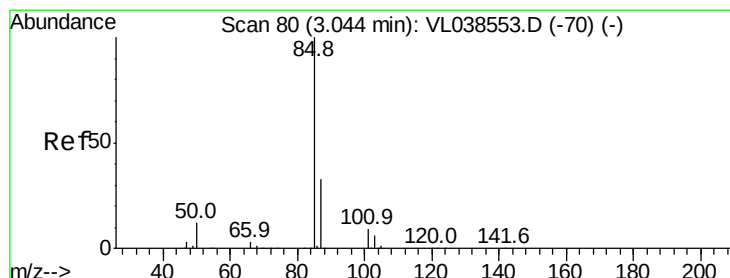
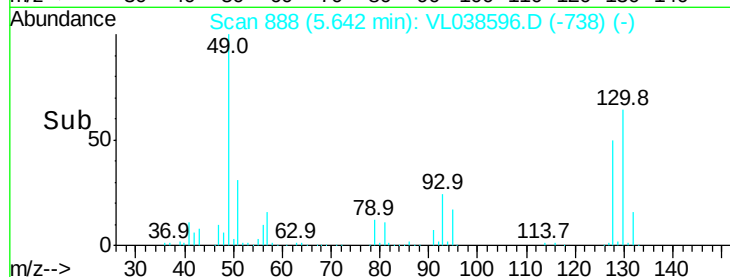
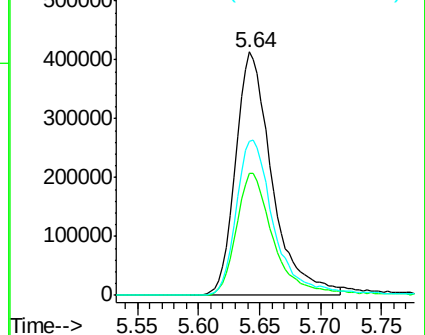
130 67.6 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.16 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL038596.D

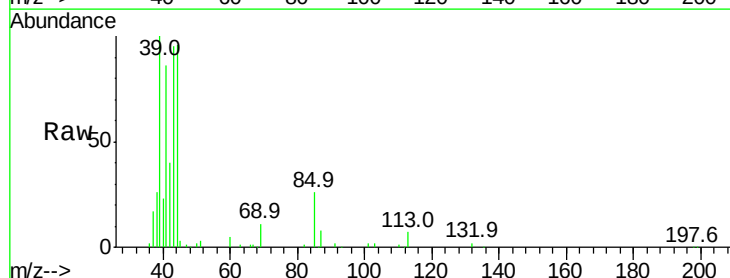
Acq: 14 Mar 2022 14:58

Tgt Ion: 85 Resp: 20722

Ion Ratio Lower Upper

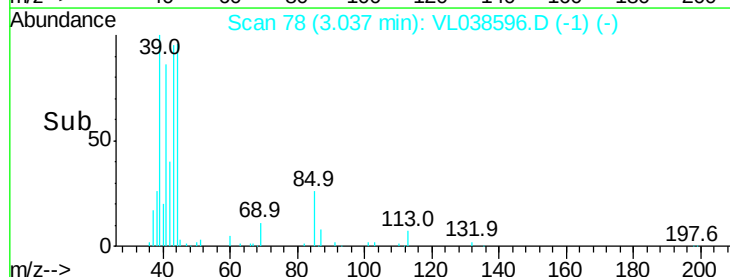
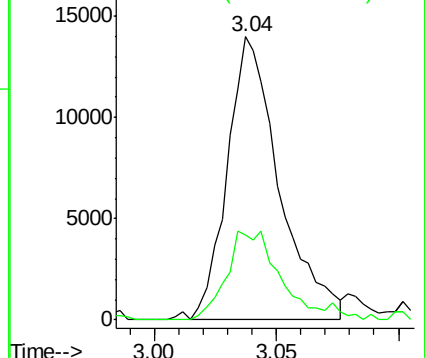
85 100

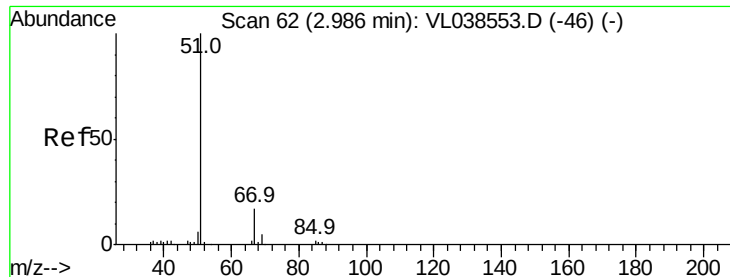
87 30.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.36 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

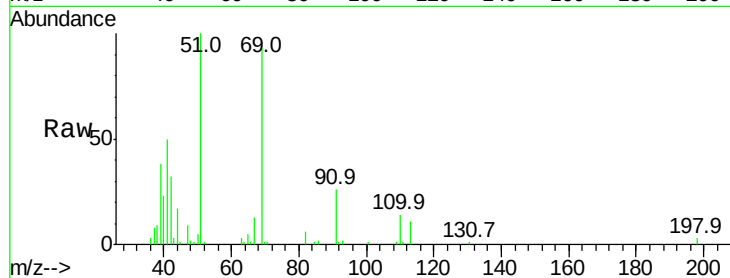
Acq: 14 Mar 2022 14:58

Tgt Ion: 51 Resp: 54763

Ion Ratio Lower Upper

51 100

67 10.0 13.6 20.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

25000

20000

15000

10000

5000

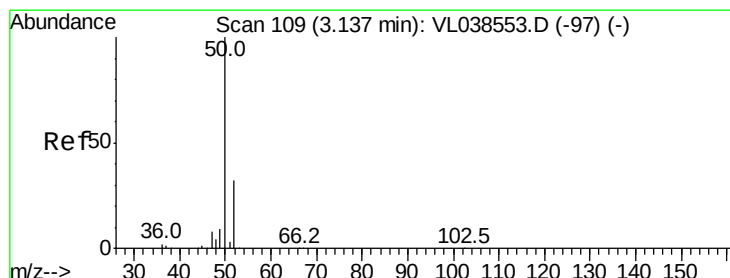
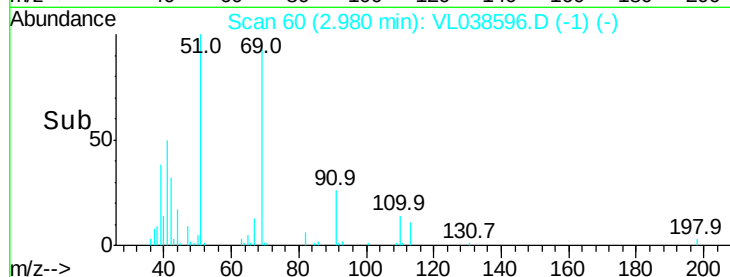
0

Time-->

2.90

3.00

3.10



#4

Chloromethane

Concen: 0.31 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL038596.D

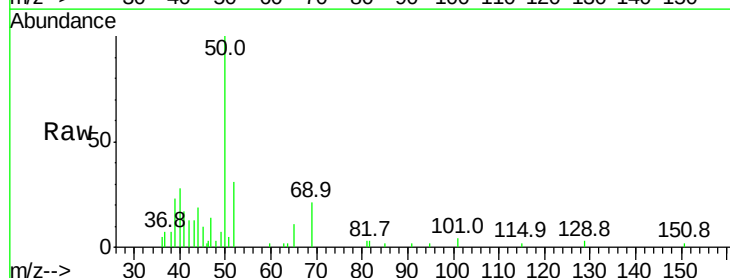
Acq: 14 Mar 2022 14:58

Tgt Ion: 50 Resp: 17304

Ion Ratio Lower Upper

50 100

52 29.7 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

10000

8000

6000

4000

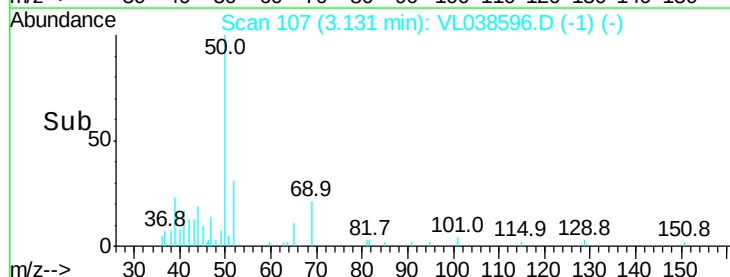
2000

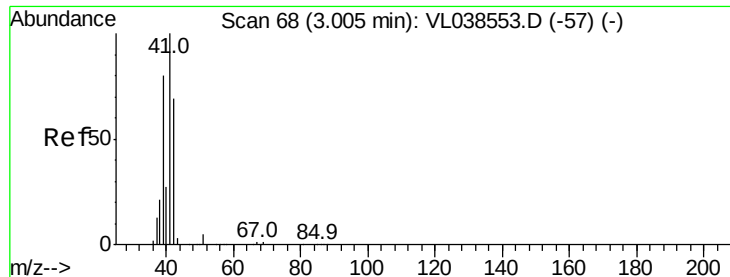
0

Time-->

3.10

3.15





#9

Propene

Concen: 9.76 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

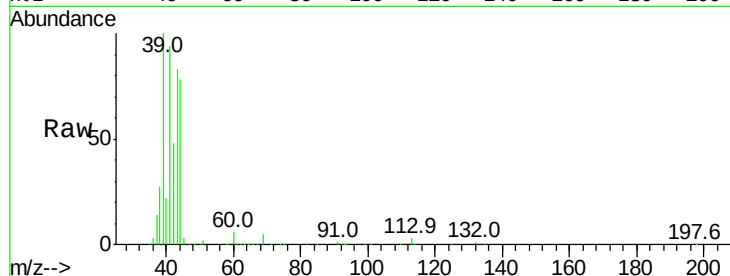
Acq: 14 Mar 2022 14:58

Tgt Ion: 41 Resp: 521897

Ion Ratio Lower Upper

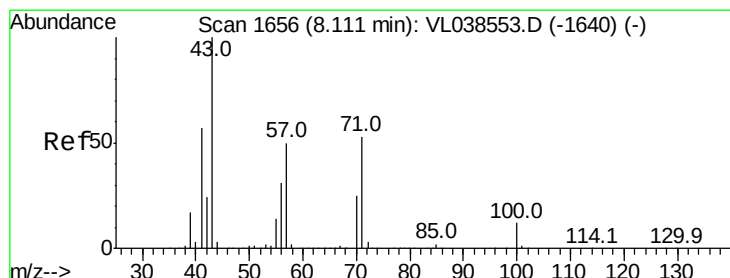
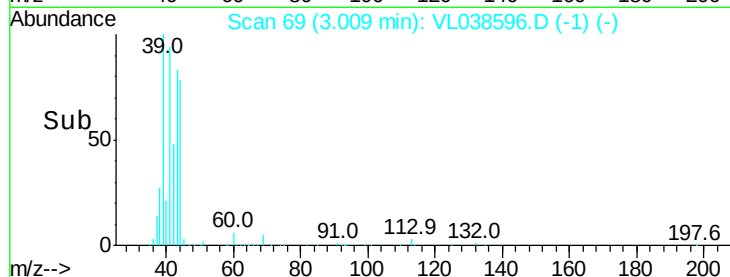
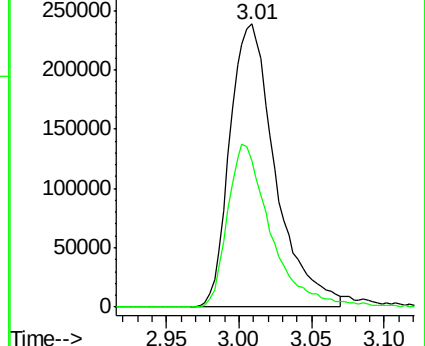
41 100

42 54.6 55.7 83.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.86 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.02 min

Lab File: VL038596.D

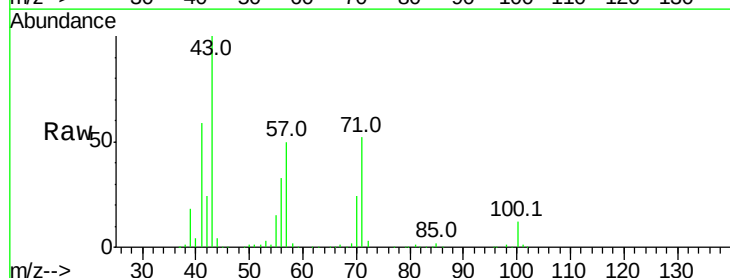
Acq: 14 Mar 2022 14:58

Tgt Ion: 43 Resp: 365910

Ion Ratio Lower Upper

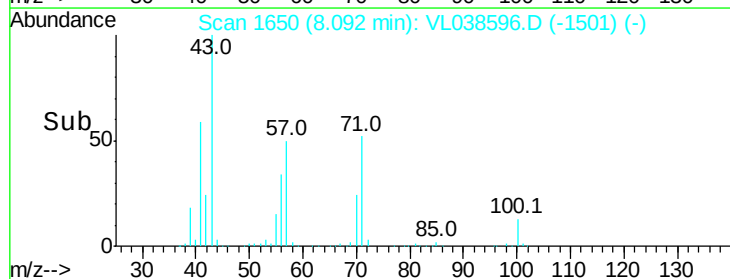
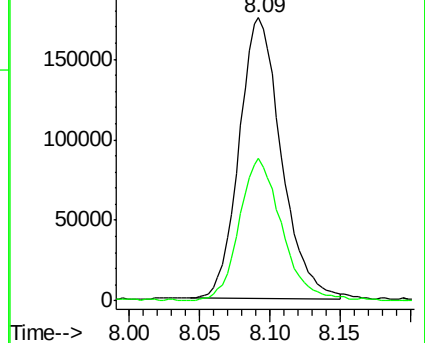
43 100

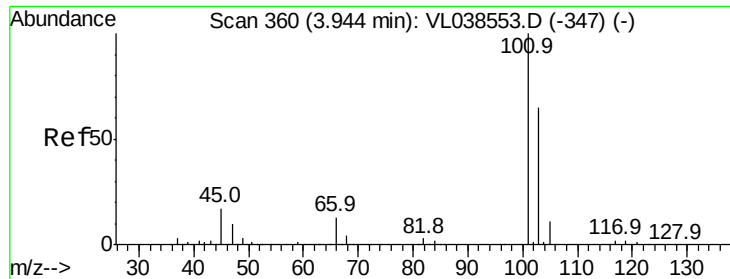
57 52.1 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

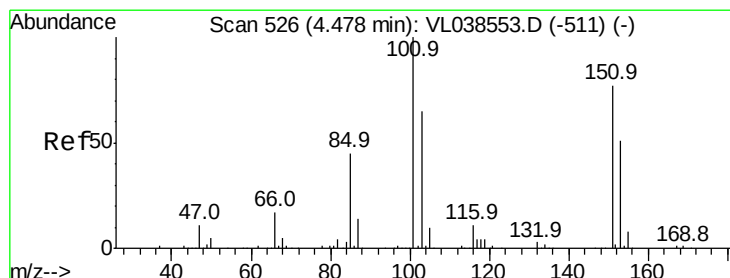
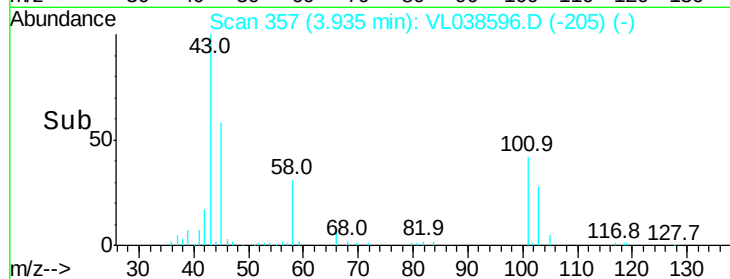
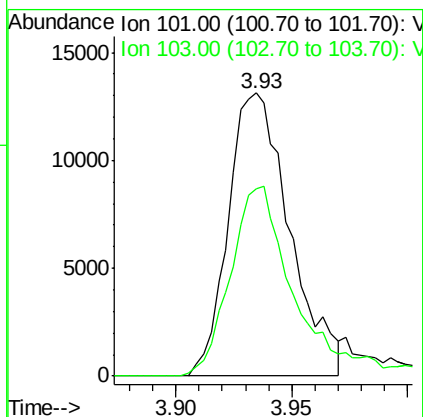
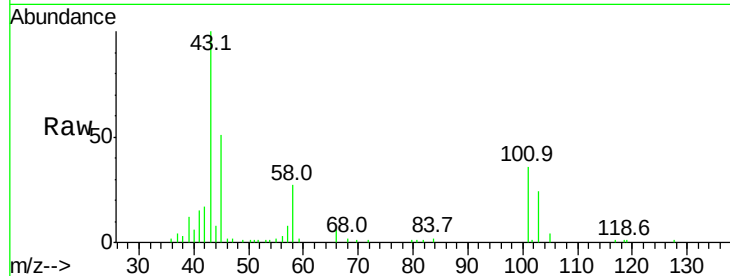
Ion 57.10 (56.80 to 57.80): VL0





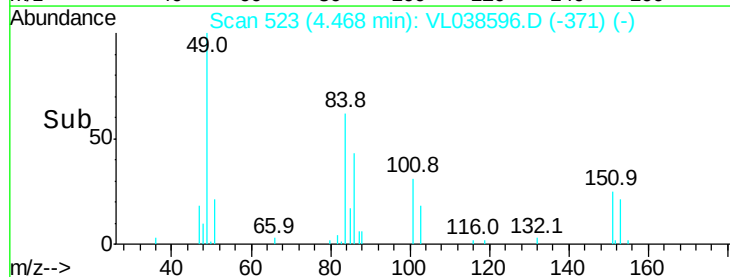
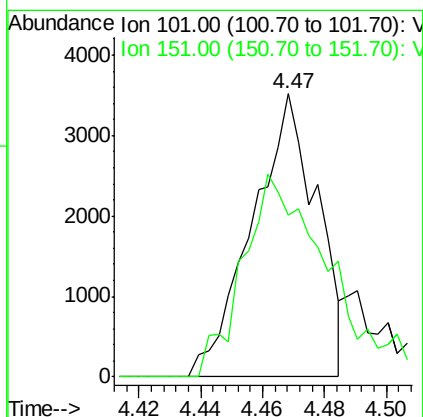
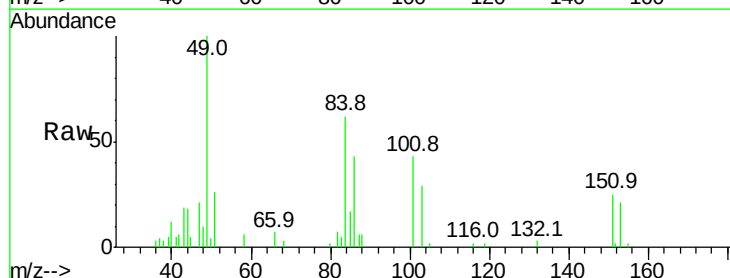
#11
 Trichlorofluoromethane
 Concen: 0.21 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

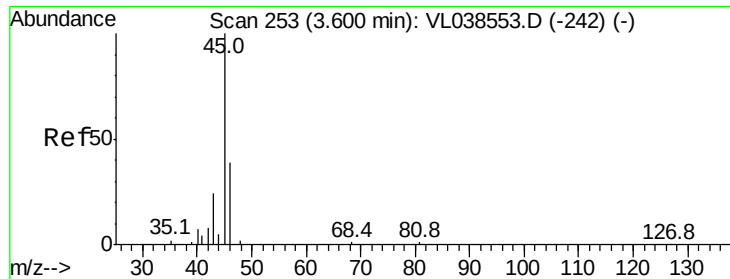
Tgt Ion:101 Resp: 24142
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.06 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

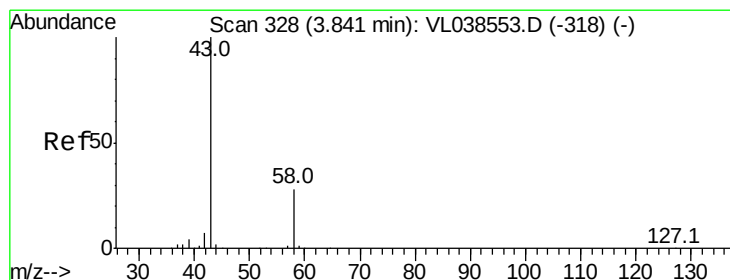
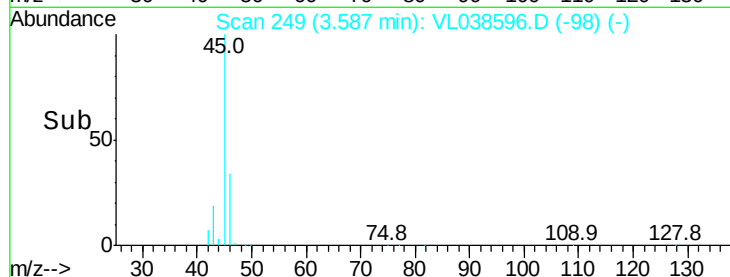
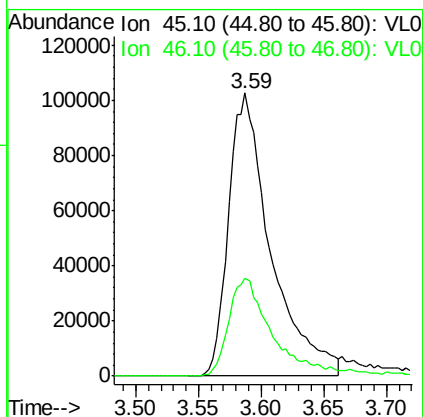
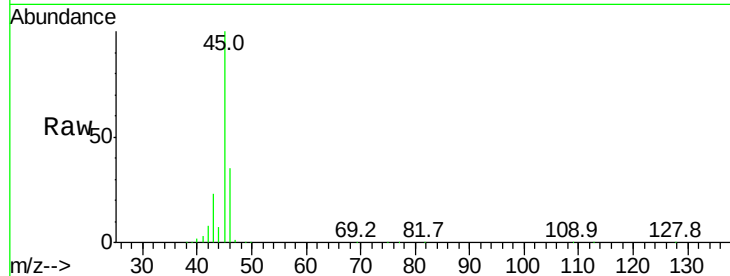
Tgt Ion:101 Resp: 5103
 Ion Ratio Lower Upper
 101 100
 151 94.3 63.4 95.0





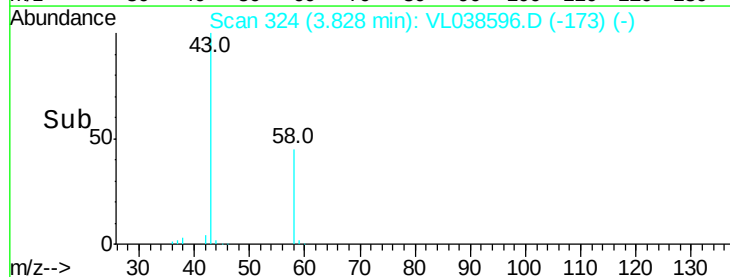
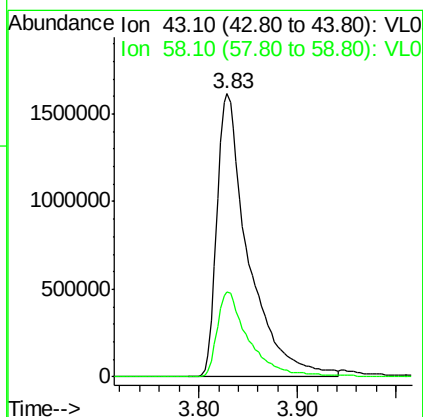
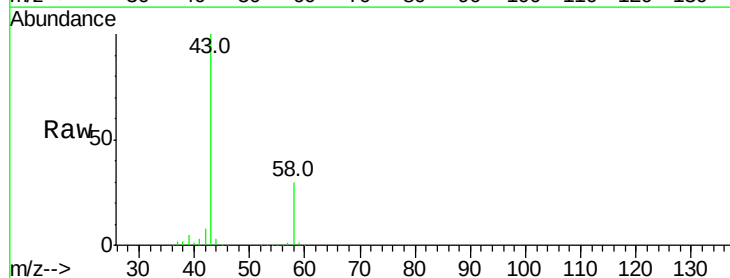
#13
 Ethanol
 Concen: 39.10 ppbv
 RT: 3.59
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

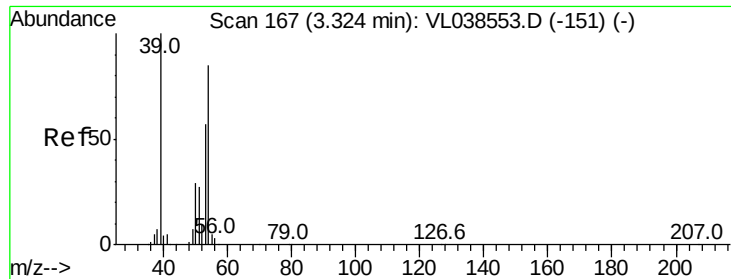
Tgt Ion: 45 Resp: 240087
 Ion Ratio Lower Upper
 45 100
 46 38.1 16.8 67.0



#15
 Acetone
 Concen: 59.42 ppbv
 RT: 3.83 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

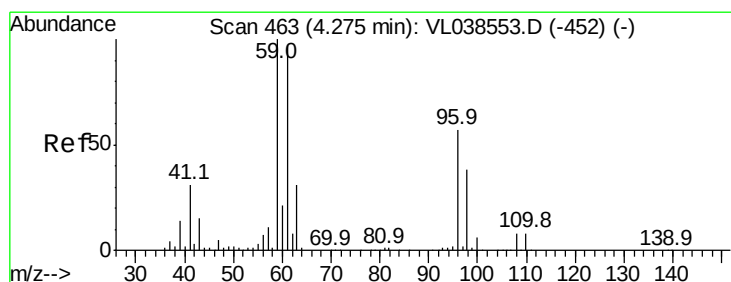
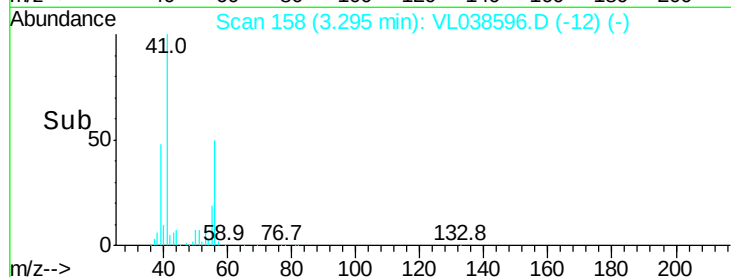
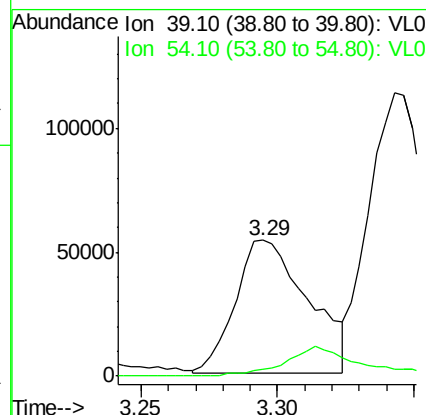
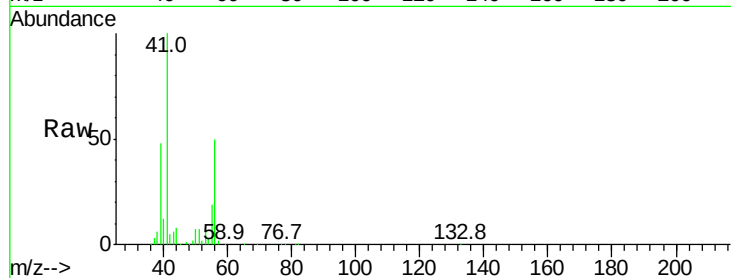
Tgt Ion: 43 Resp: 3600789
 Ion Ratio Lower Upper
 43 100
 58 31.0 22.7 34.1





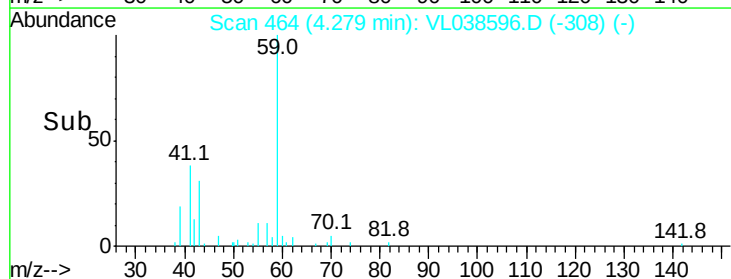
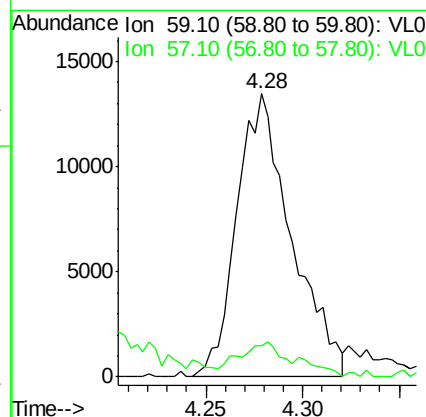
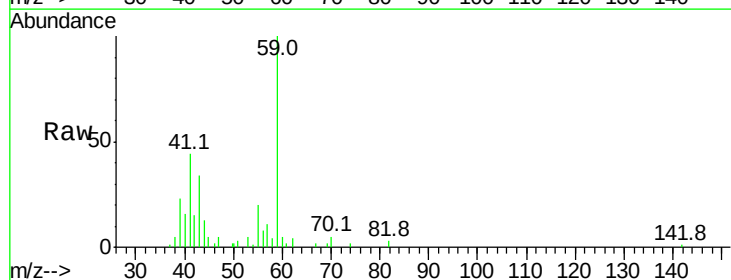
#16
 1,3-Butadiene
 Concen: 2.05 ppbv
 RT: 3.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

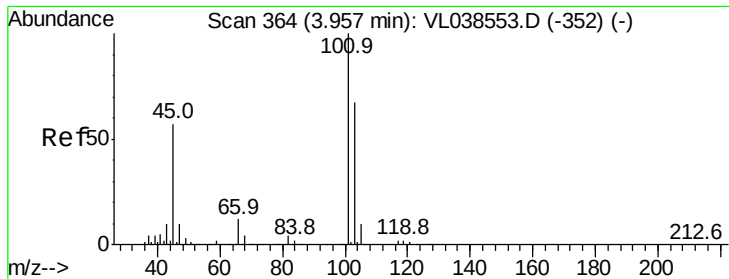
Tgt Ion: 39 Resp: 99779
 Ion Ratio Lower Upper
 39 100
 54 24.0 64.2 96.2#



#17
 tert-Butyl alcohol
 Concen: 0.40 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

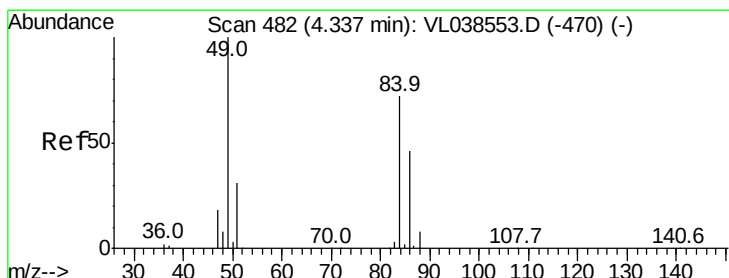
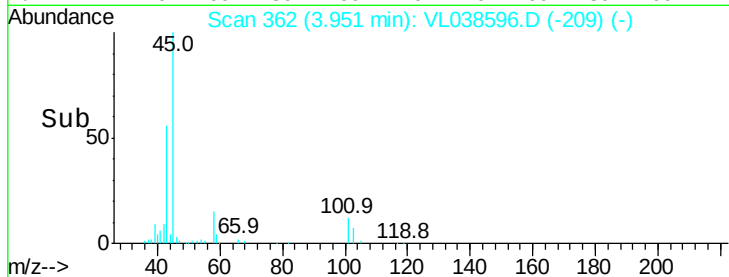
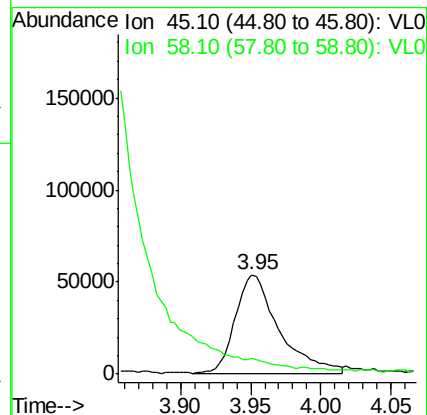
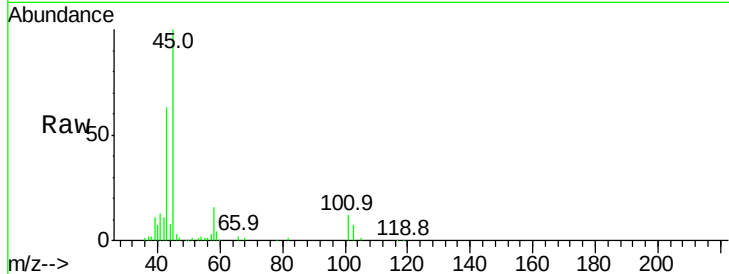
Tgt Ion: 59 Resp: 26464
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





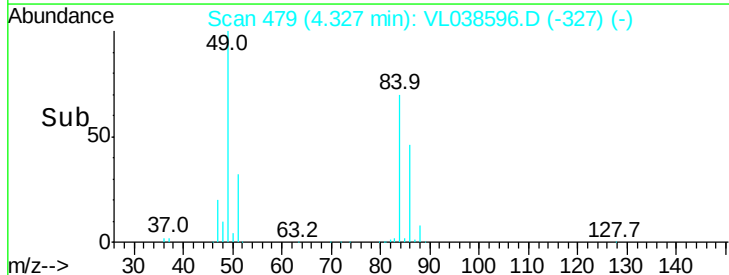
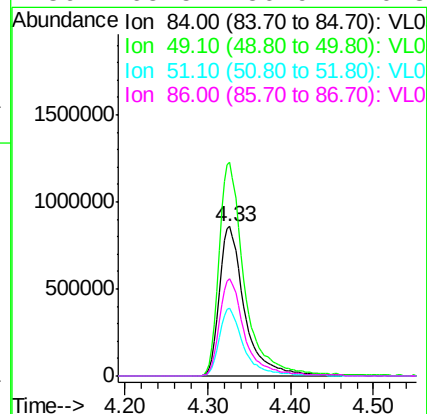
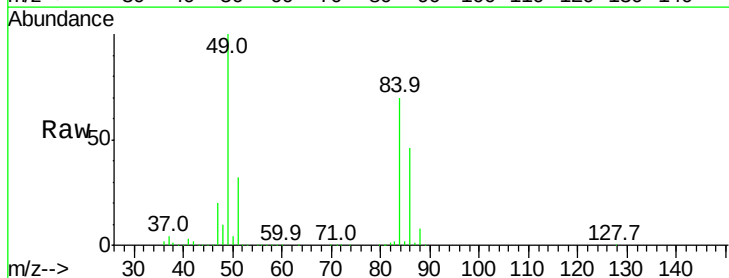
#19
Isopropyl Alcohol
Concen: 2.85 ppbv
RT: 3.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:58

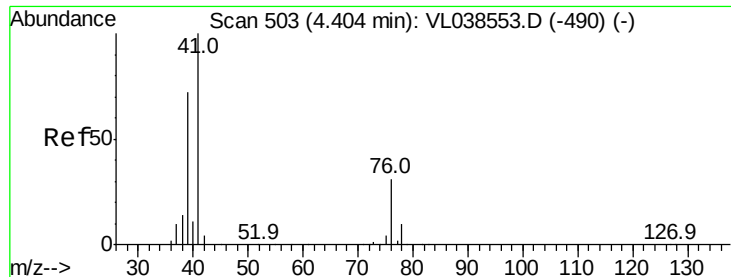
Tgt Ion: 45 Resp: 115210
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.2#



#20
Methylene Chloride
Concen: 49.87 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

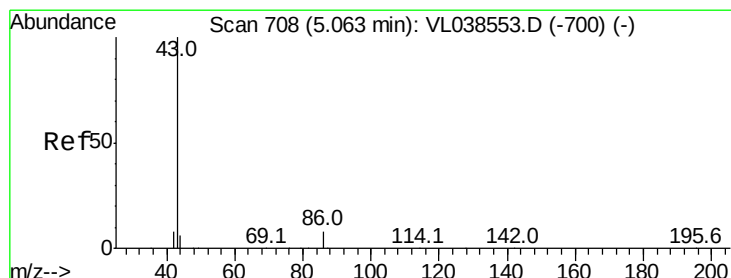
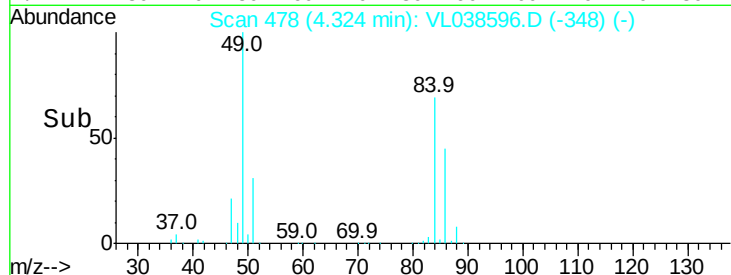
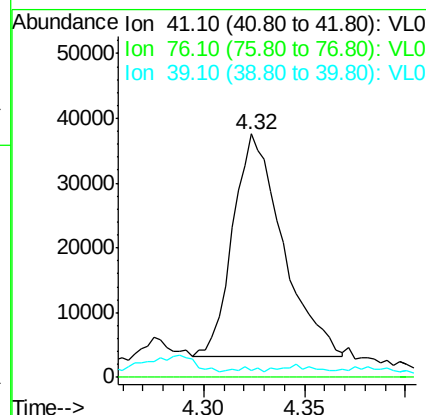
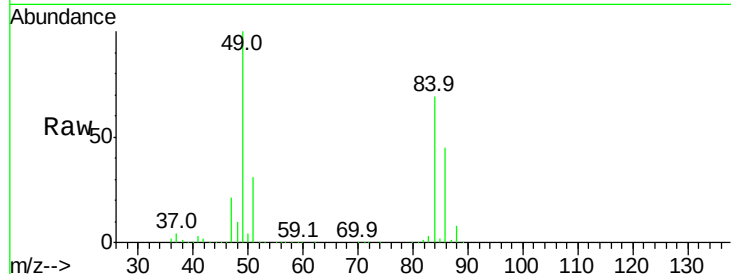
Tgt Ion: 84 Resp: 1818878
Ion Ratio Lower Upper
84 100
49 143.1 111.1 166.7
51 45.3 34.0 51.0
86 65.5 50.9 76.3





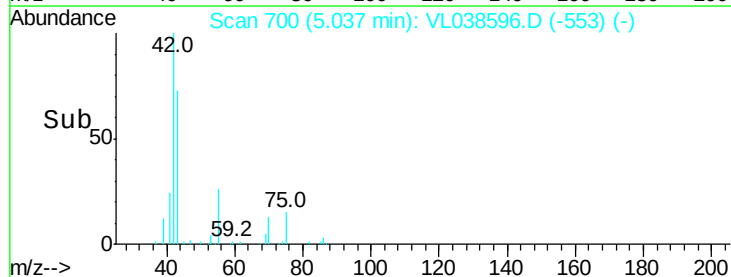
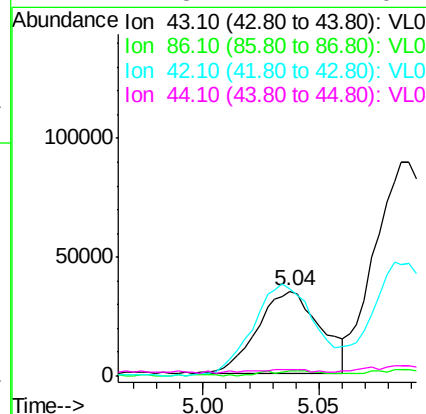
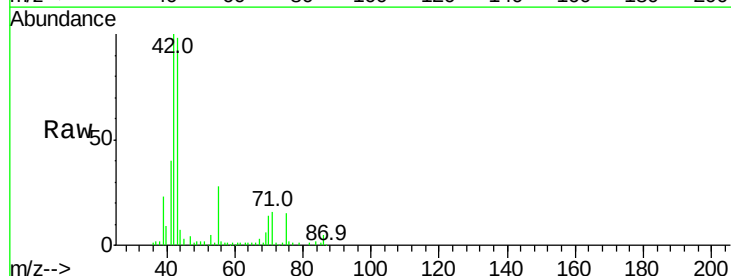
#21
 Allyl Chloride
 Concen: 1.02 ppbv
 RT: 4.32
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

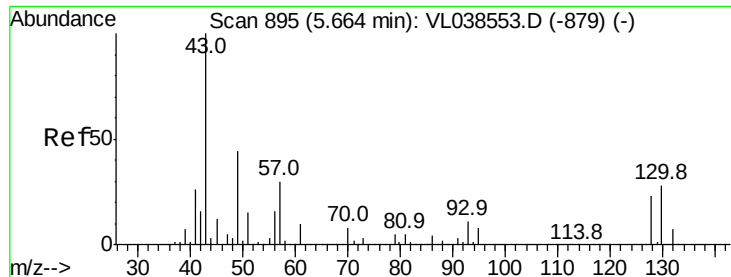
Tgt Ion: 41 Resp: 59517
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.3 36.5#
 39 0.0 57.1 85.7#



#23
 Vinyl Acetate
 Concen: 0.75 ppbv
 RT: 5.04 min Scan# 700
 Delta R.T. -0.03 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

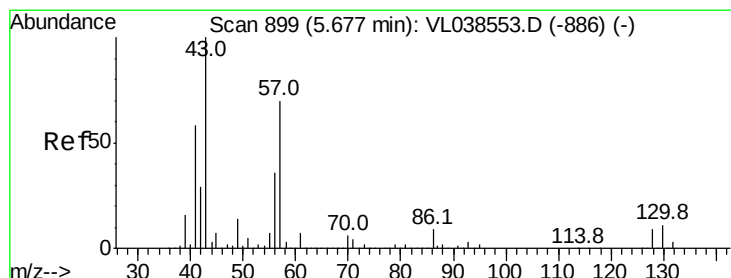
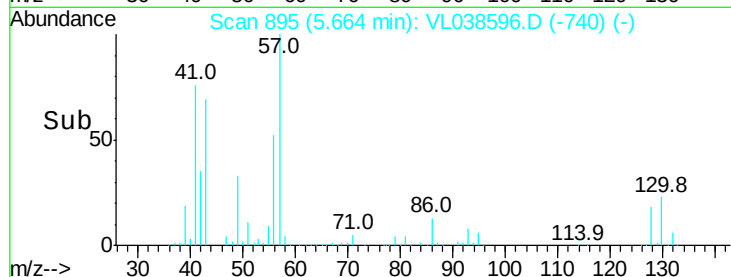
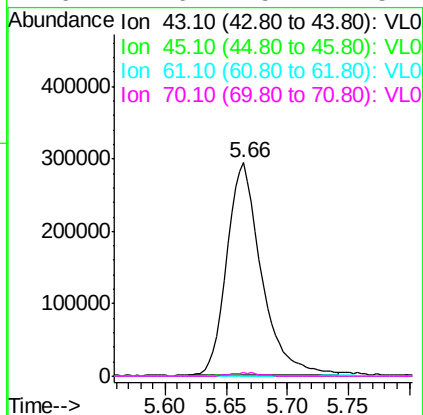
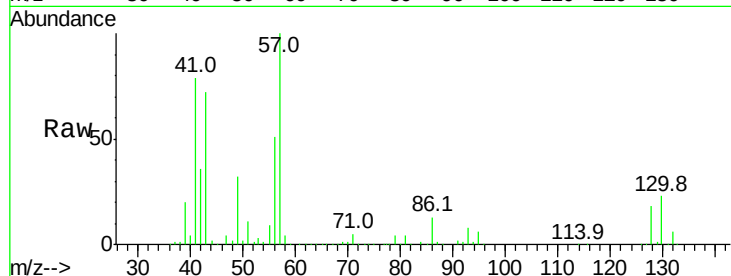
Tgt Ion: 43 Resp: 65205
 Ion Ratio Lower Upper
 43 100
 86 4.7 5.6 8.4#
 42 110.7 7.1 10.7#
 44 2.8 4.1 6.1#





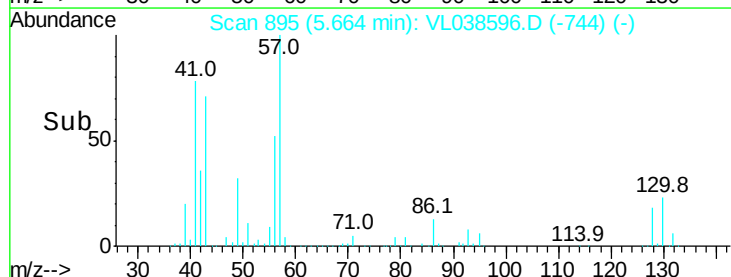
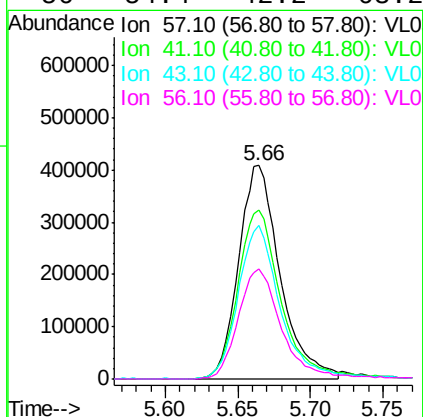
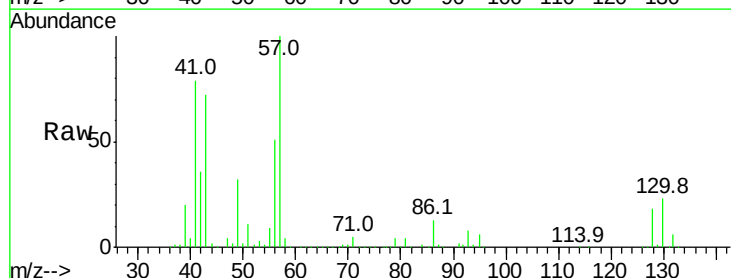
#25
Ethyl Acetate
Concen: 2.87 ppbv
RT: 5.66 min
Delta R.T.: MSVOA_1
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:58

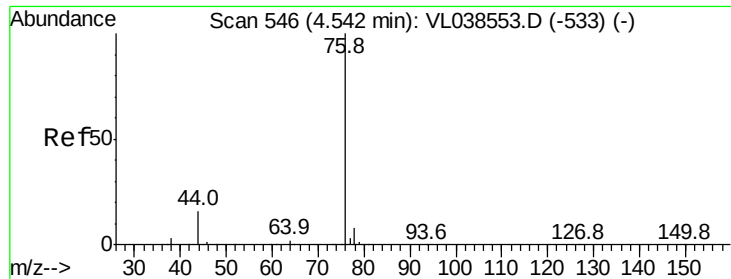
Tgt Ion:	43	Resp:	585324
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.0	12.0#
61	0.3	8.2	12.4#
70	1.6	5.4	8.2#



#26
Hexane
Concen: 8.49 ppbv
RT: 5.66 min Scan# 895
Delta R.T.: -0.01 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

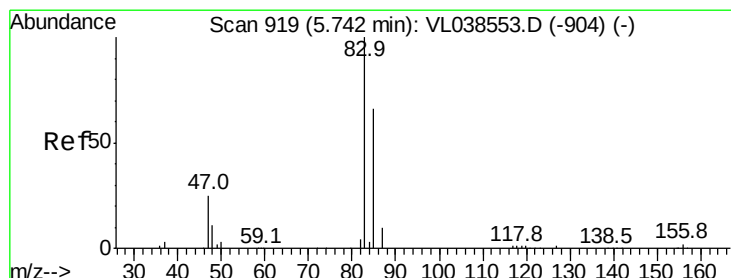
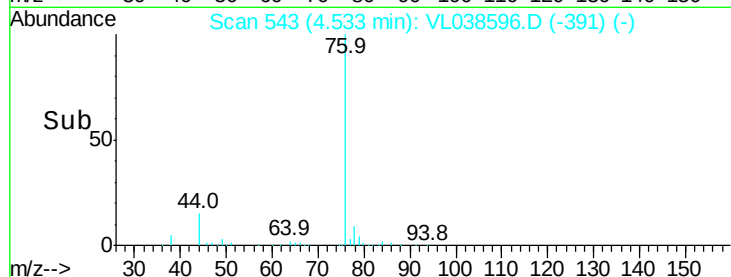
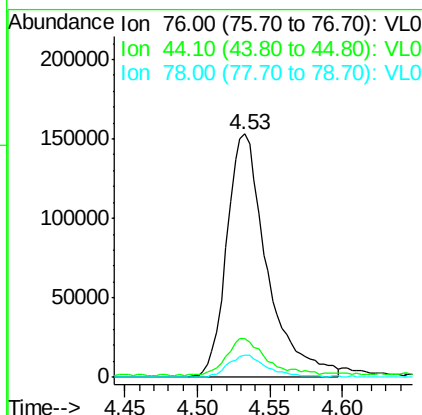
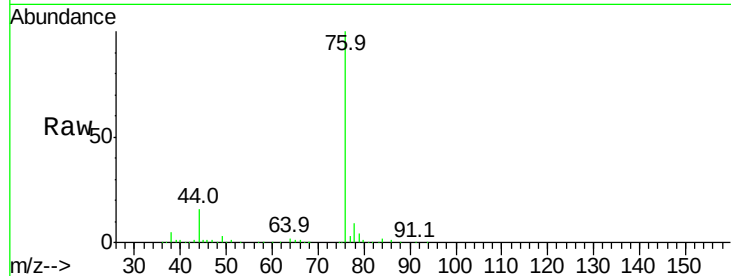
Tgt Ion:	57	Resp:	813802
Ion	Ratio	Lower	Upper
57	100		
41	83.2	67.8	101.6
43	73.3	173.6	260.4#
56	54.4	42.2	63.2





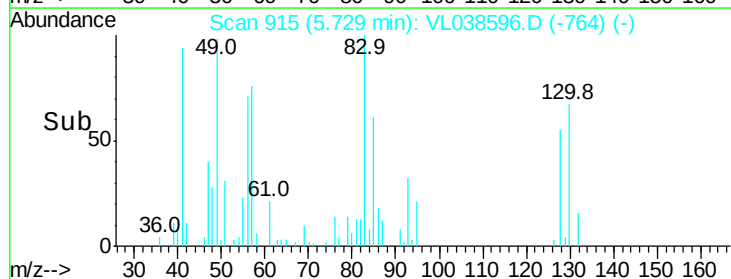
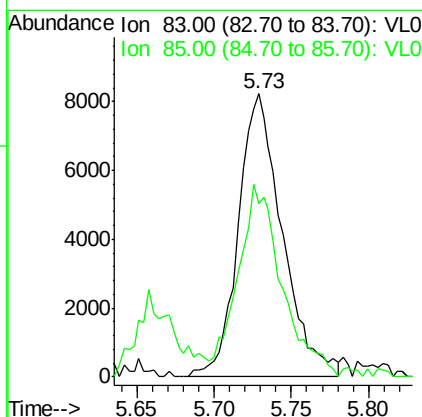
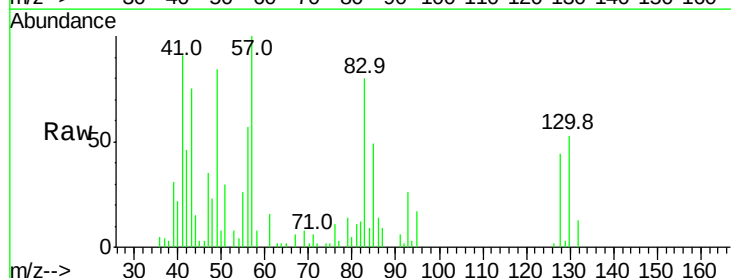
#27
Carbon Disulfide
Concen: 3.09 ppbv
RT: 4.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:58

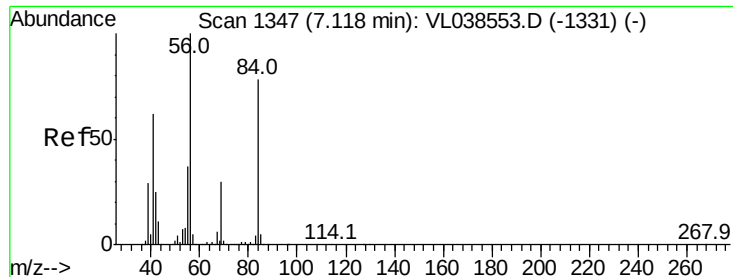
Tgt Ion: 76 Resp: 294792
Ion Ratio Lower Upper
76 100
44 15.7 12.9 19.3
78 9.3 7.8 11.6



#29
Chloroform
Concen: 0.11 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

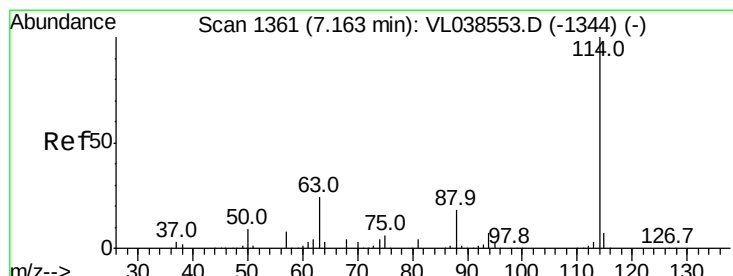
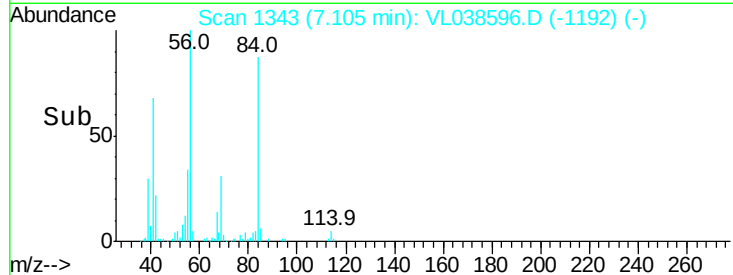
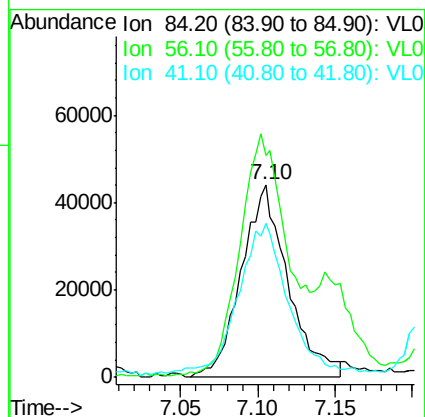
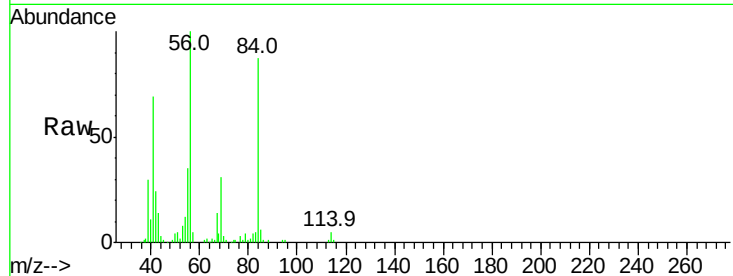
Tgt Ion: 83 Resp: 16248
Ion Ratio Lower Upper
83 100
85 61.3 52.8 79.2





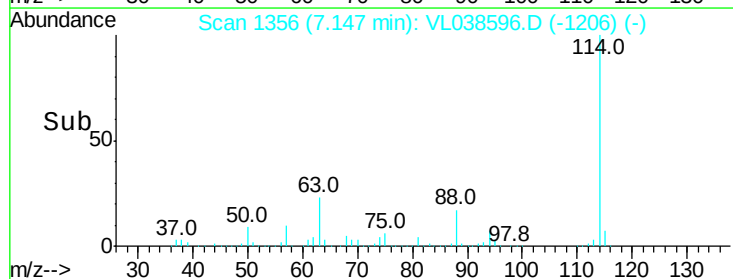
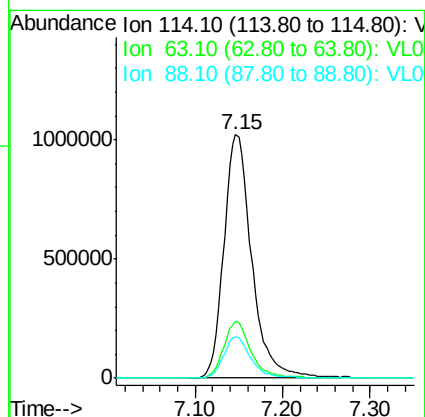
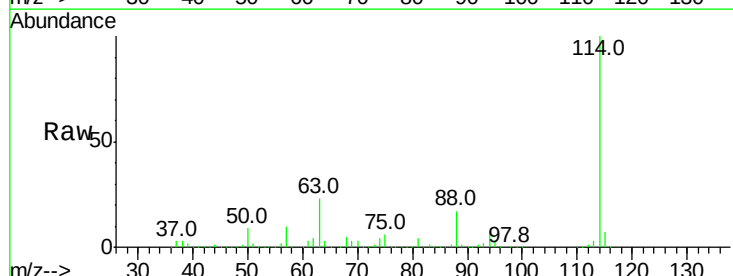
#30
Cyclohexane
Concen: 1.12 ppbv
RT: 7.10
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Mar 2022 14:58

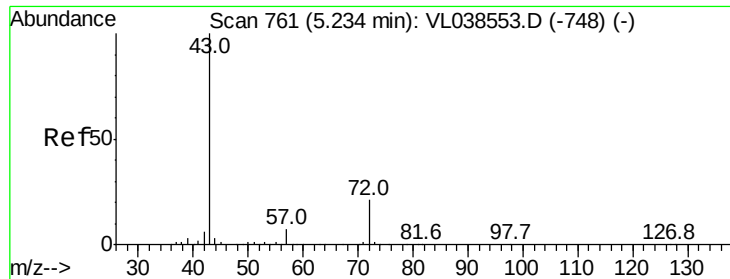
Tgt Ion: 84 Resp: 92590
Ion Ratio Lower Upper
84 100
56 170.3 111.4 167.0#
41 86.4 65.5 98.3



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.02 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

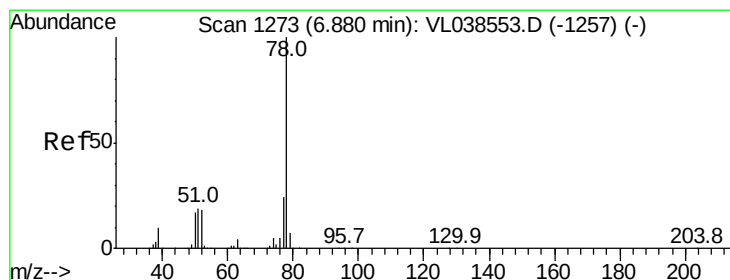
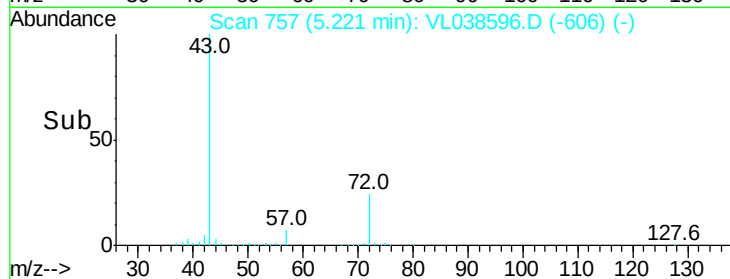
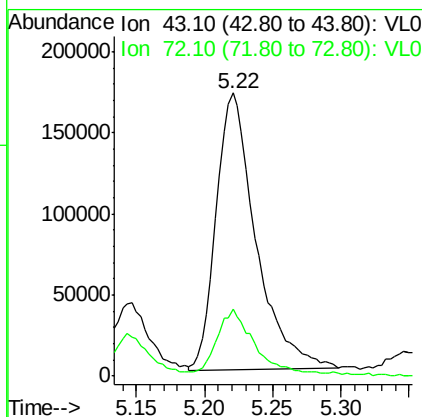
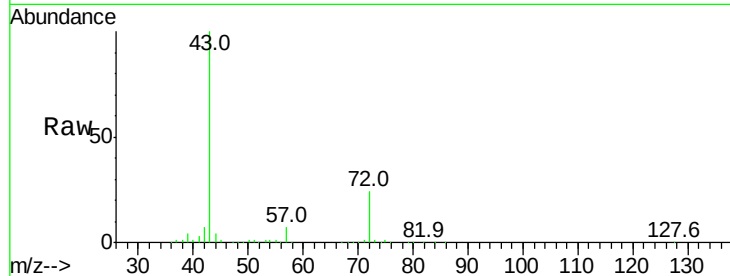
Tgt Ion: 114 Resp: 2260071
Ion Ratio Lower Upper
114 100
63 23.3 19.6 29.4
88 16.9 13.9 20.9





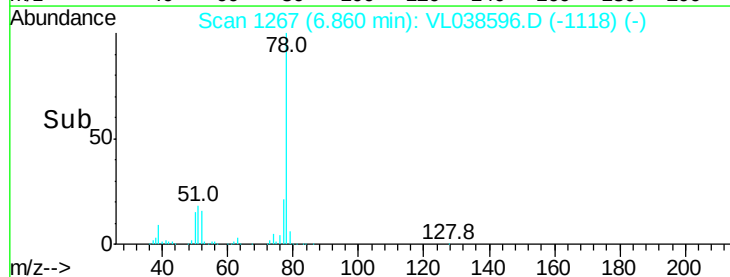
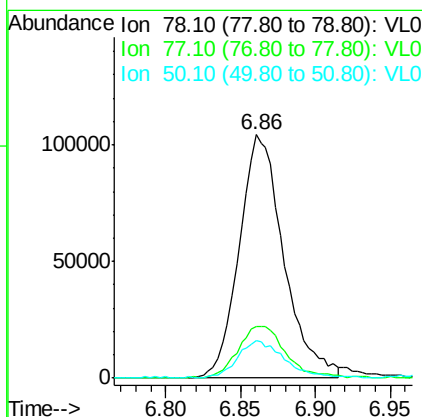
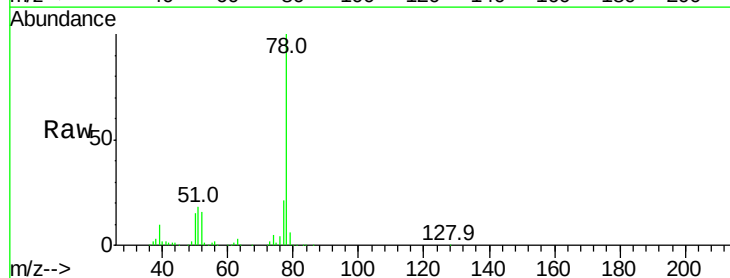
#34
 2-Butanone
 Concen: 5.88 ppbv
 RT: 5.22
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

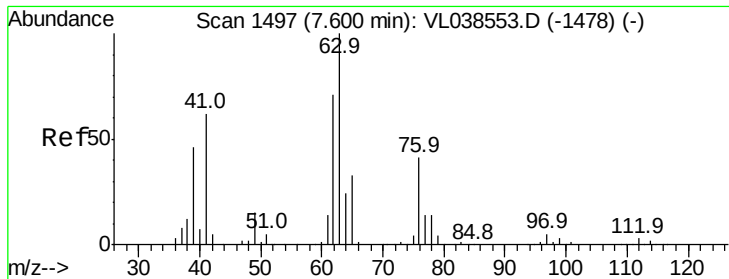
Tgt Ion: 43 Resp: 344671
 Ion Ratio Lower Upper
 43 100
 72 25.5 17.8 26.6



#36
 Benzene
 Concen: 1.06 ppbv
 RT: 6.86 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

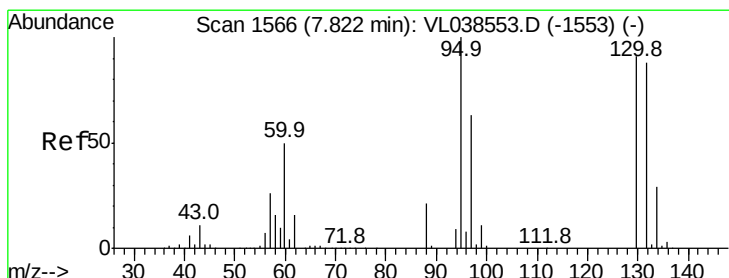
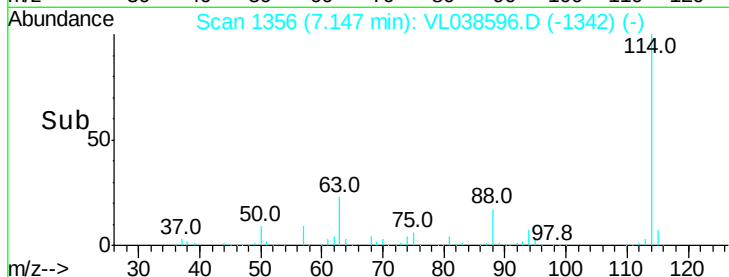
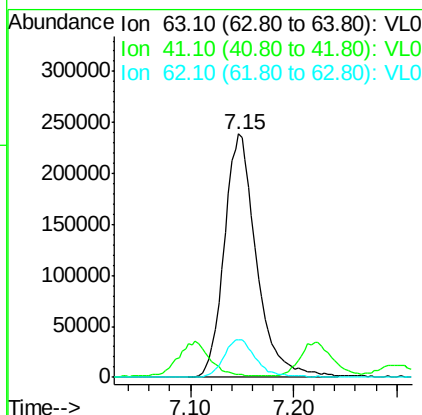
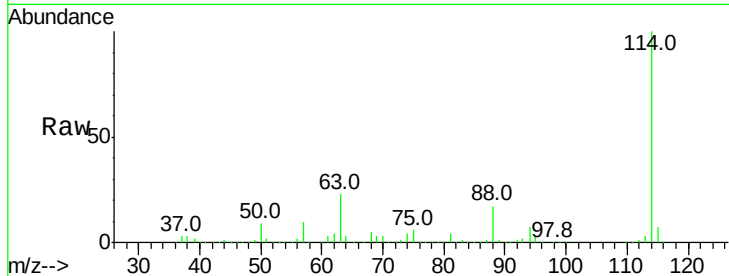
Tgt Ion: 78 Resp: 216033
 Ion Ratio Lower Upper
 78 100
 77 20.8 19.0 28.4
 50 14.7 13.9 20.9





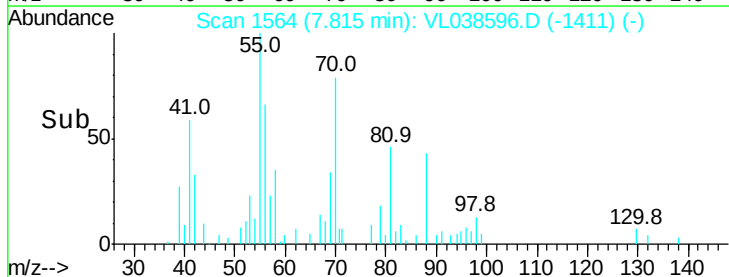
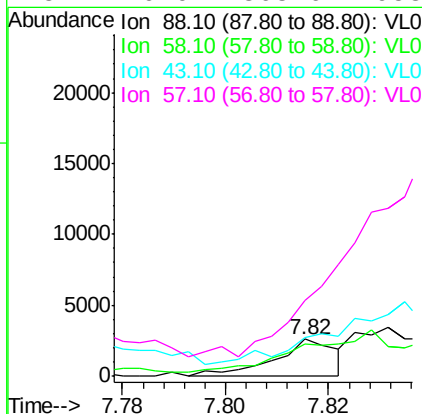
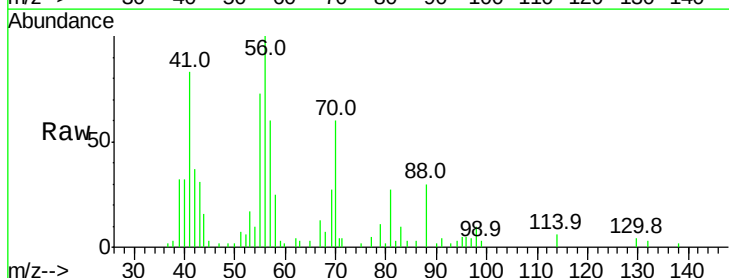
#39
 1,2-Dichloropropane
 Concen: 6.60 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

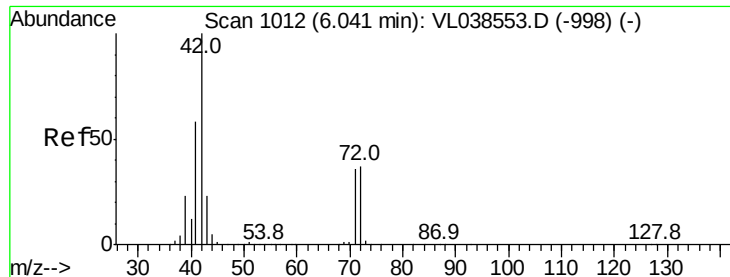
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.5	56.7	85.1#



#40
 1,4-Dioxane
 Concen: 0.11 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	126.7	190.1#
43	0.0	303.0	454.6#
57	0.0	1368.6	2053.0#





#41

Tetrahydrofuran

Concen: 0.64 ppbv

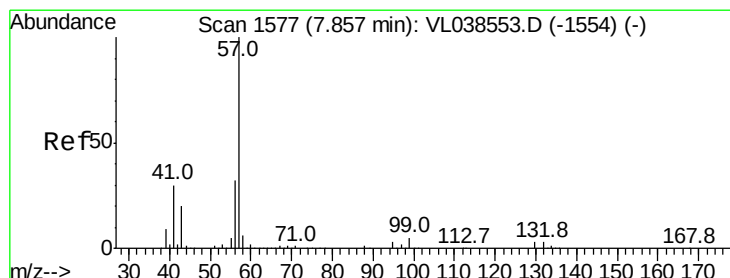
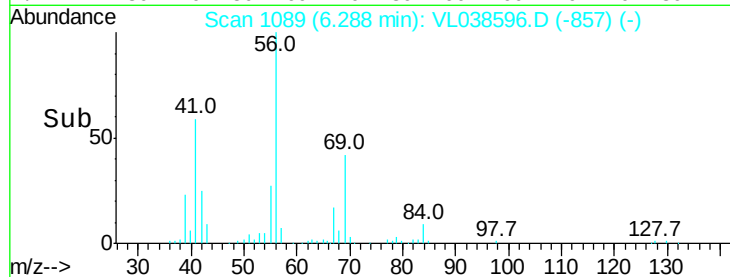
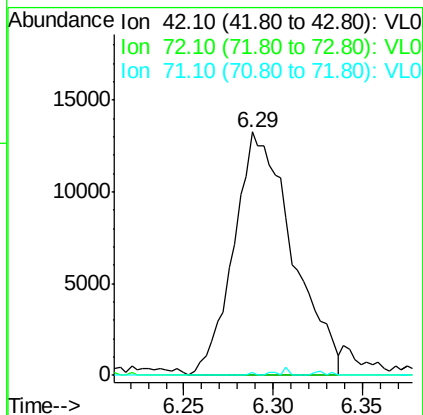
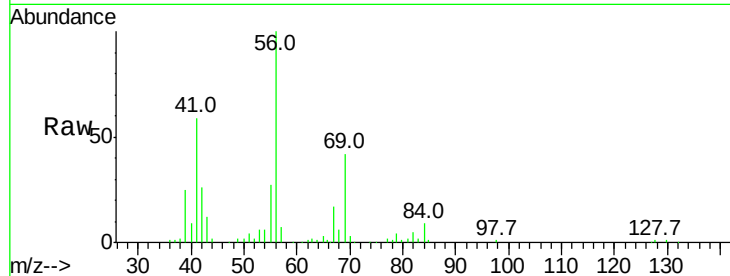
RT: 6.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 14:58

Tgt Ion:	42	Resp:	30457
Ion Ratio	Lower	Upper	
42	100		
72	0.4	30.9	46.3#
71	0.0	29.1	43.7#



#44

2,2,4-Trimethylpentane

Concen: 0.08 ppbv

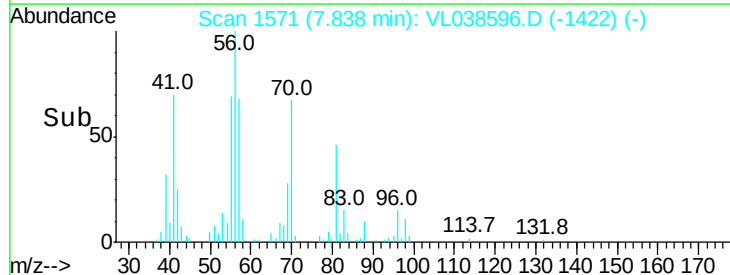
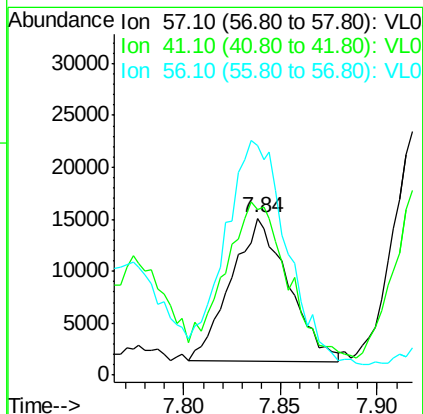
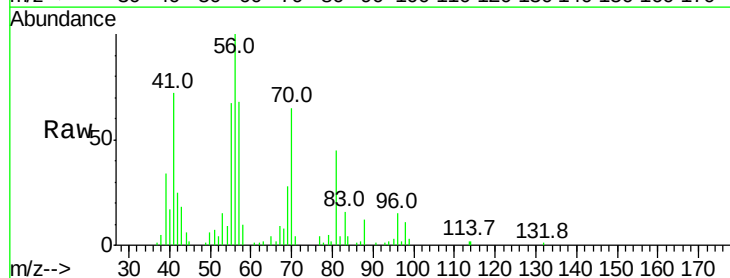
RT: 7.84 min Scan# 1571

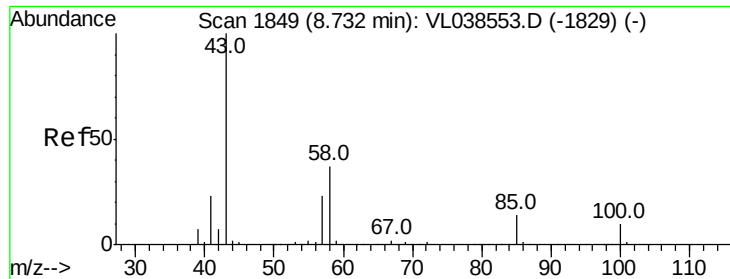
Delta R.T. -0.02 min

Lab File: VL038596.D

Acq: 14 Mar 2022 14:58

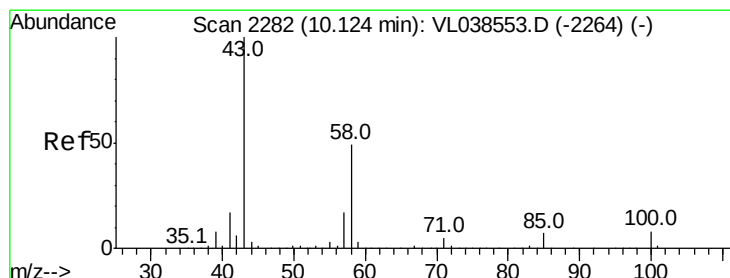
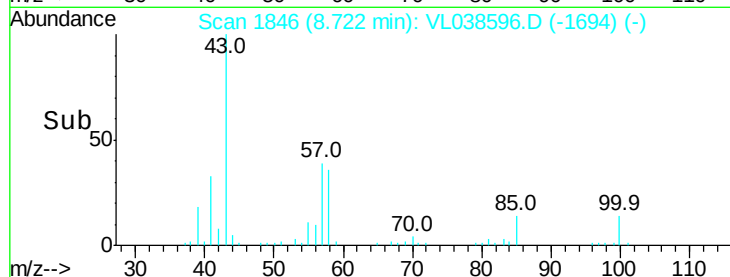
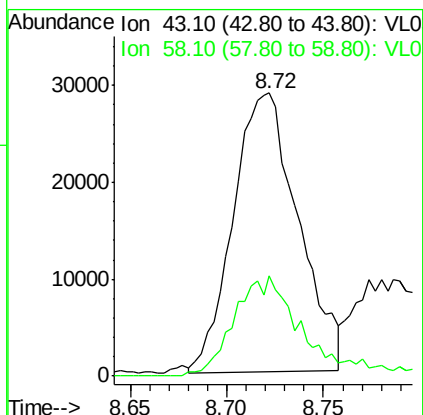
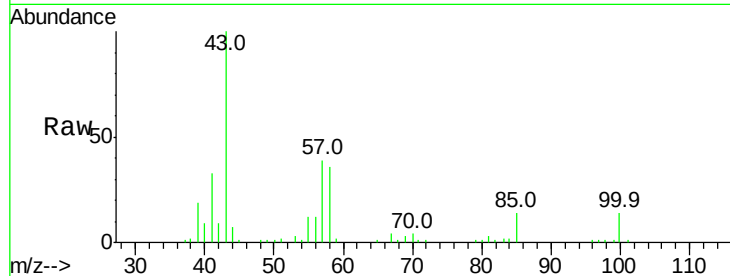
Tgt Ion:	57	Resp:	28506
Ion Ratio	Lower	Upper	
57	100		
41	136.2	24.0	36.0#
56	187.5	25.6	38.4#





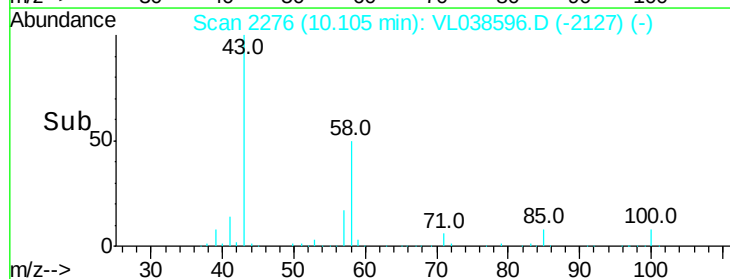
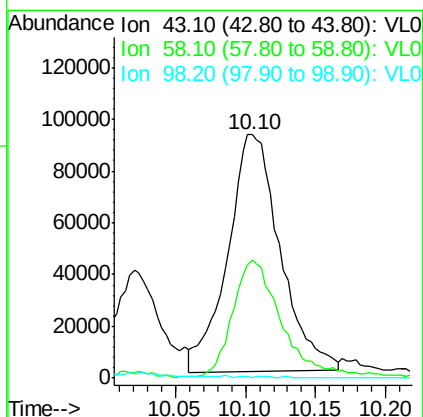
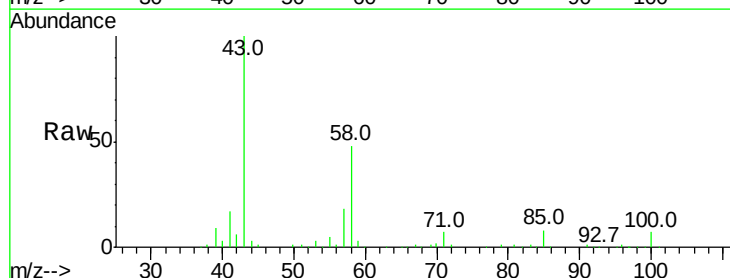
#50
 4-Methyl-2-Pentanone
 Concen: 0.56 ppbv
 RT: 8.72
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

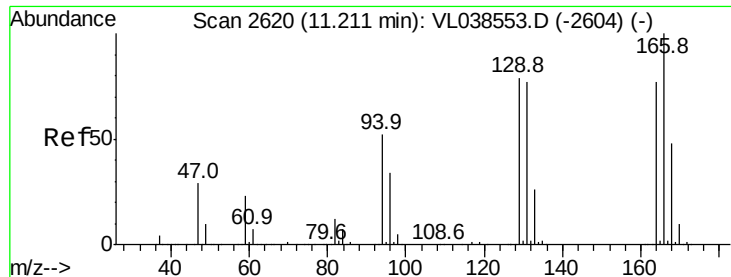
Tgt Ion: 43 Resp: 67388
 Ion Ratio Lower Upper
 43 100
 58 40.0 29.2 43.8



#51
 2-Hexanone
 Concen: 4.70 ppbv
 RT: 10.10 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

Tgt Ion: 43 Resp: 238486
 Ion Ratio Lower Upper
 43 100
 58 47.5 40.1 60.1
 98 0.8 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.06 ppbv

RT: 11.18

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Mar 2022 14:58

Tgt Ion: 164 Resp: 4296

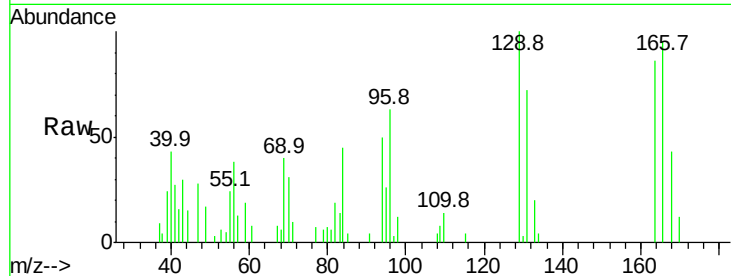
Ion Ratio Lower Upper

164 100

166 110.8 103.4 155.2

129 116.5 81.3 121.9

131 83.6 79.8 119.8

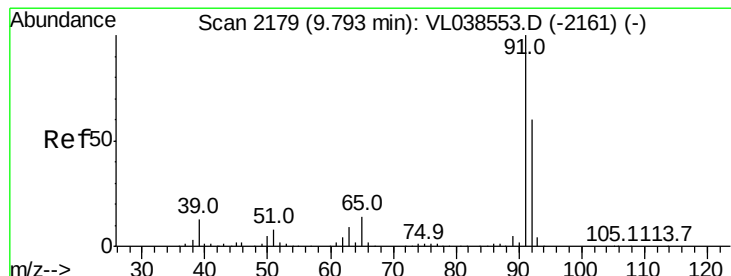
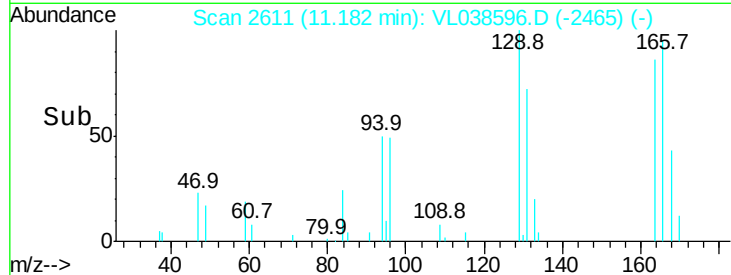
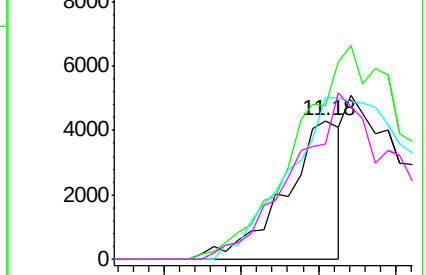


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 2.20 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.02 min

Lab File: VL038596.D

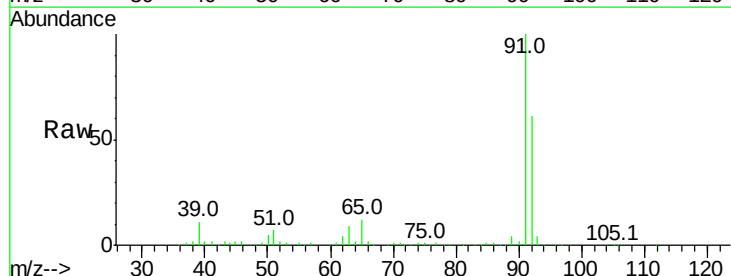
Acq: 14 Mar 2022 14:58

Tgt Ion: 91 Resp: 478520

Ion Ratio Lower Upper

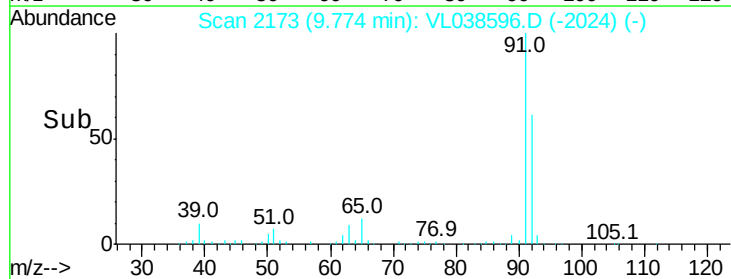
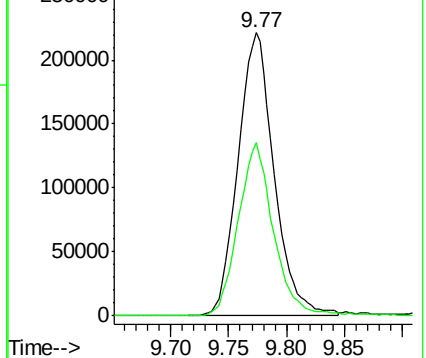
91 100

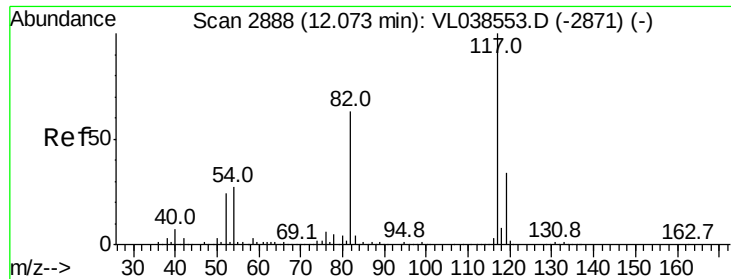
92 60.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

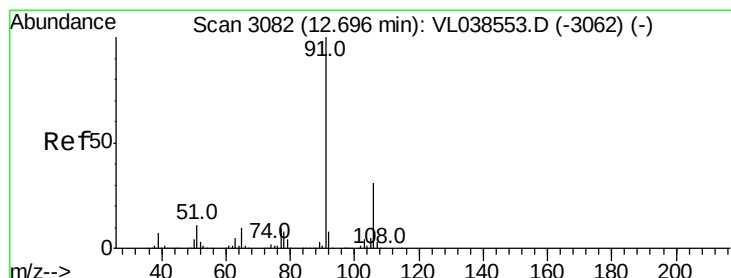
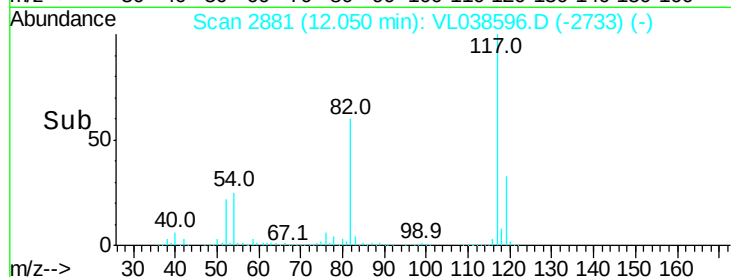
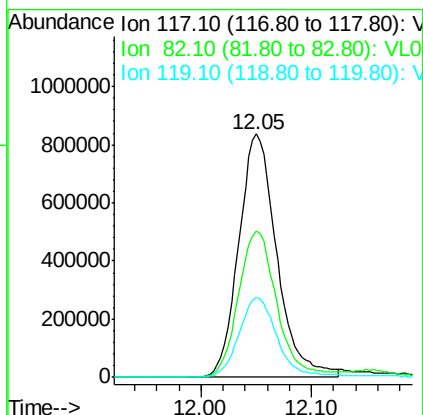
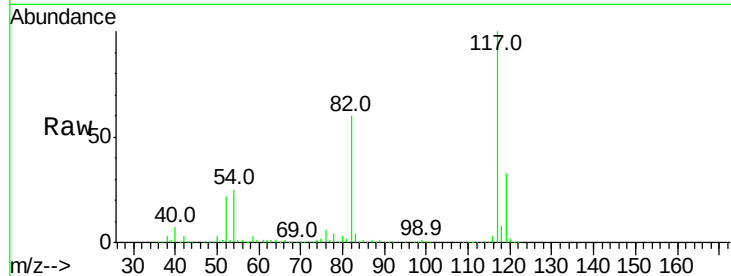
Ion 92.10 (91.80 to 92.80): VL0





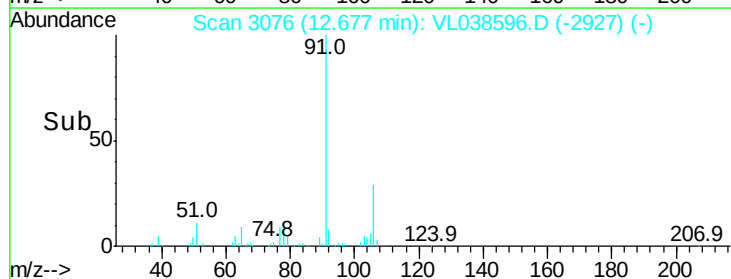
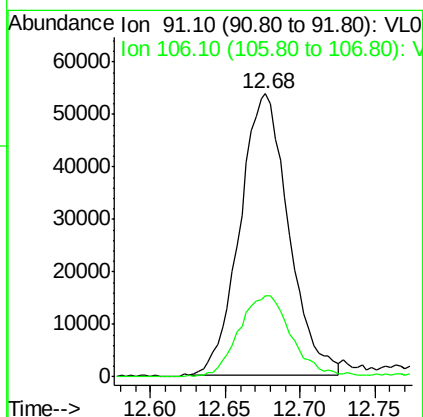
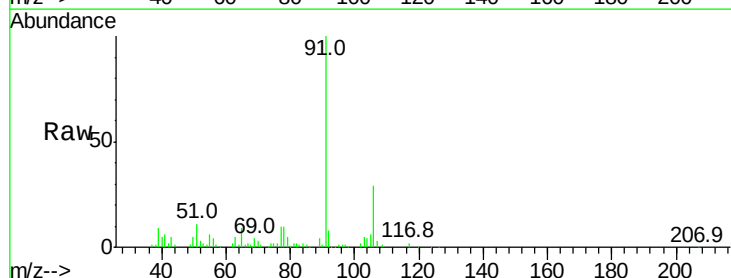
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:58

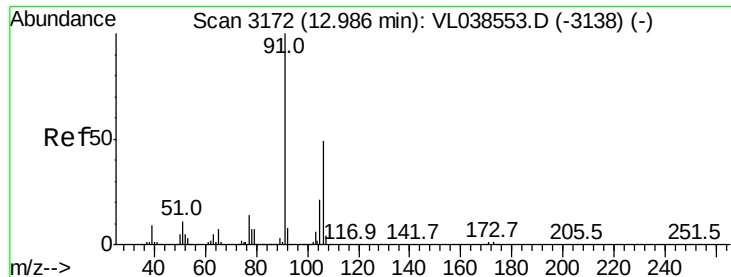
Tgt Ion: 117 Resp: 2006857
Ion Ratio Lower Upper
117 100
82 60.8 52.5 78.7
119 34.4 46.4 69.6#



#58
Ethyl Benzene
Concen: 0.47 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.02 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

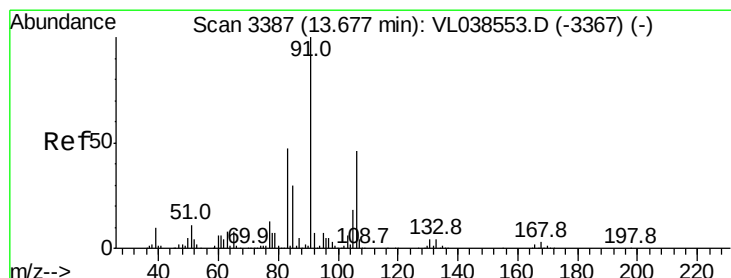
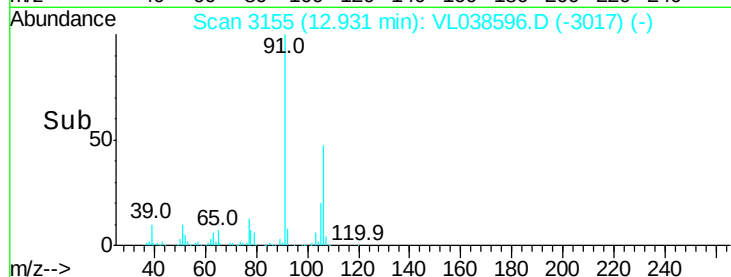
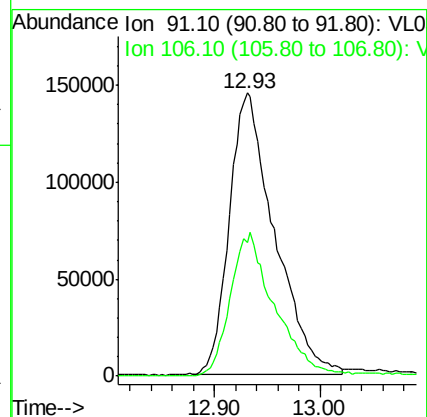
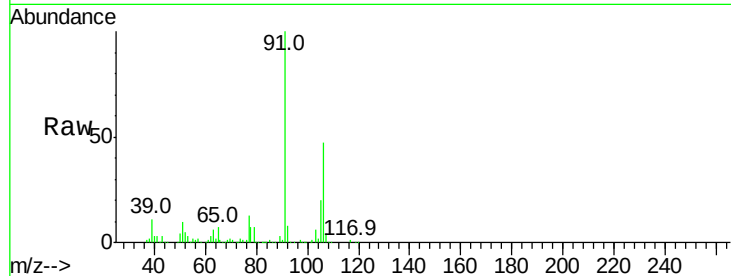
Tgt Ion: 91 Resp: 122171
Ion Ratio Lower Upper
91 100
106 28.3 24.6 37.0





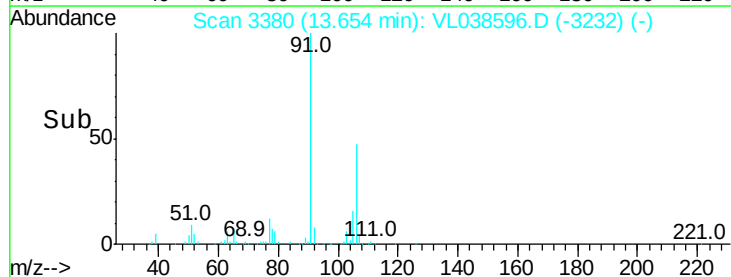
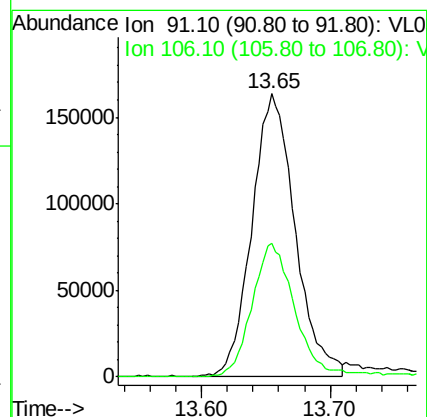
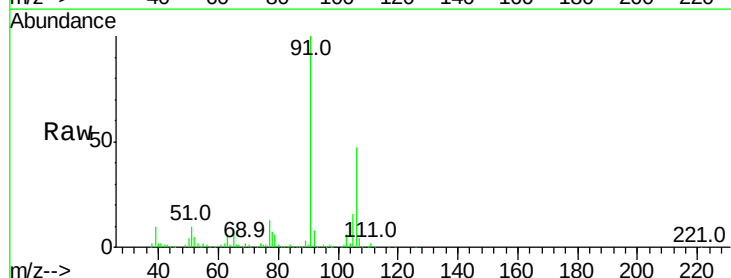
#59
m/p-Xylene
Concen: 1.93 ppbv
RT: 12.93 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Mar 2022 14:58

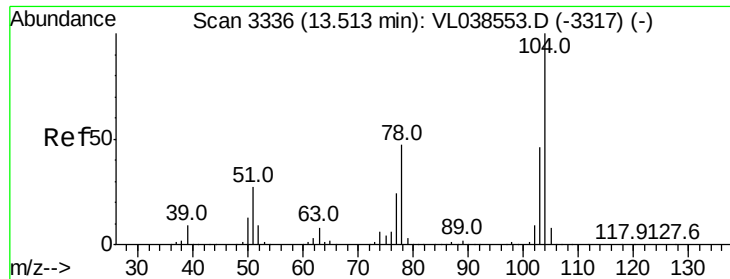
Tgt Ion: 91 Resp: 429120
Ion Ratio Lower Upper
91 100
106 51.6 37.1 55.7



#60
o-Xylene
Concen: 1.81 ppbv
RT: 13.65 min Scan# 3380
Delta R.T.: -0.02 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

Tgt Ion: 91 Resp: 380878
Ion Ratio Lower Upper
91 100
106 47.3 23.5 70.6





#61

Styrene

Concen: 0.07 ppbv

RT: 13.49

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 14:58

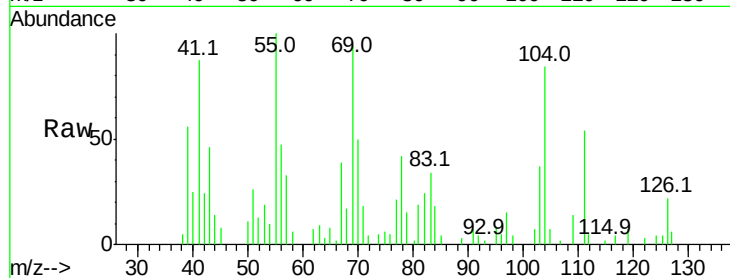
Tgt Ion:104 Resp: 7666

Ion Ratio Lower Upper

104 100

78 102.3 39.0 58.4#

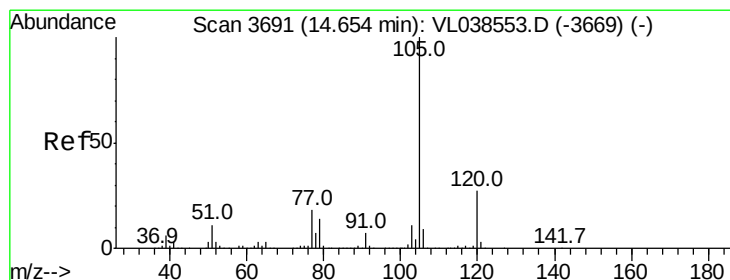
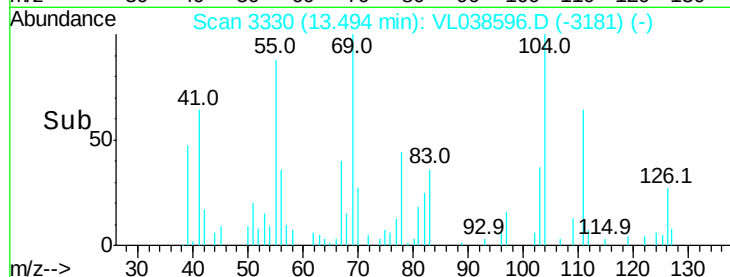
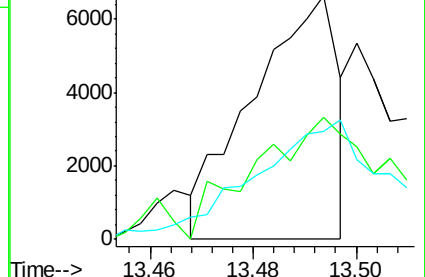
103 88.0 38.0 57.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.08 ppbv

RT: 14.63 min Scan# 3684

Delta R.T. -0.02 min

Lab File: VL038596.D

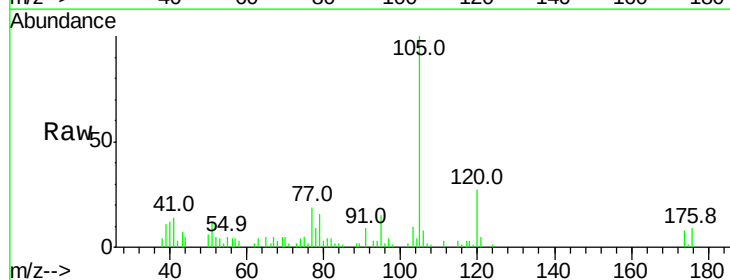
Acq: 14 Mar 2022 14:58

Tgt Ion:105 Resp: 22409

Ion Ratio Lower Upper

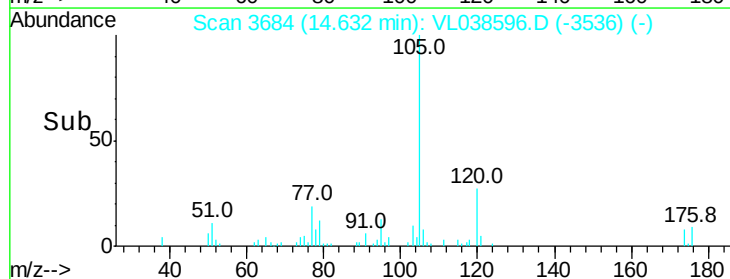
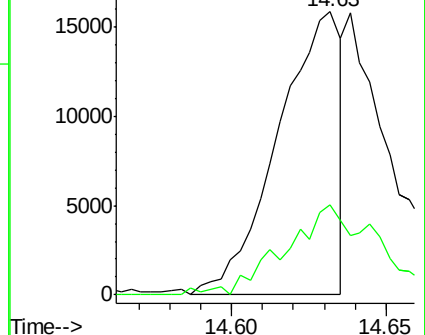
105 100

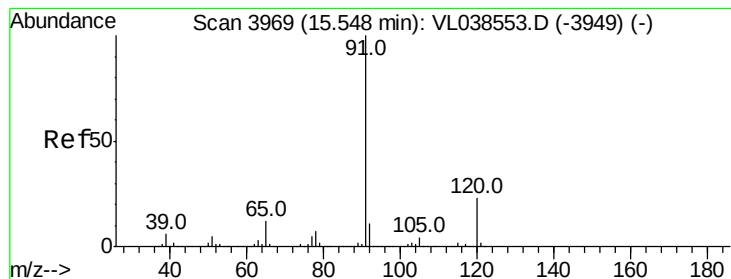
120 48.1 21.2 31.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.09 ppbv

RT: 15.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

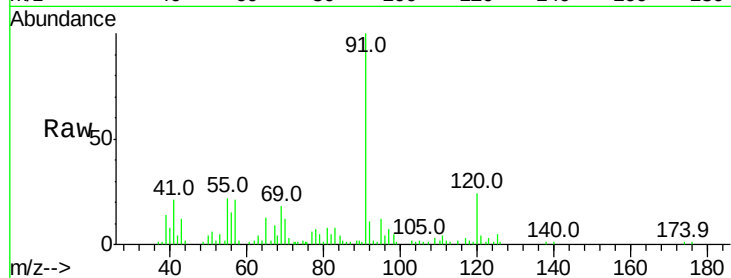
Acq: 14 Mar 2022 14:58

Tgt Ion:120 Resp: 6450

Ion Ratio Lower Upper

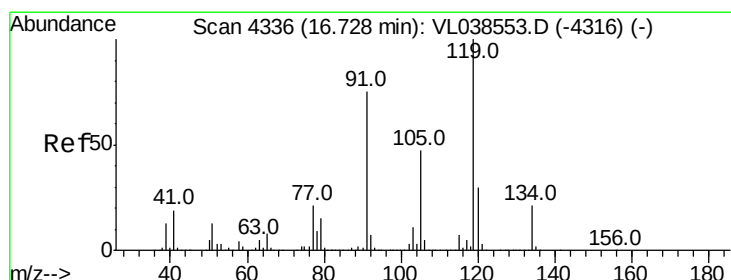
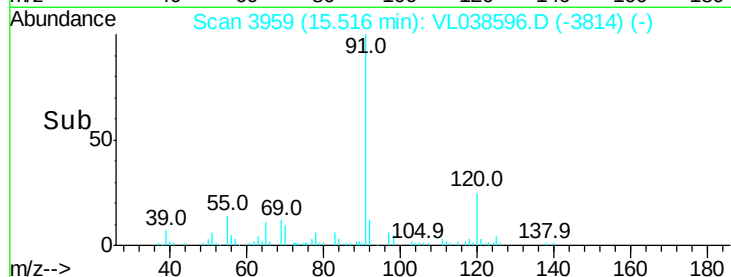
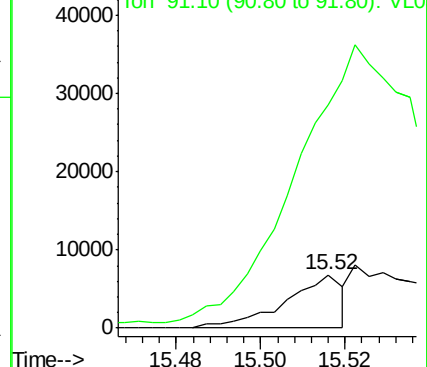
120 100

91 1359.4 374.2 561.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.22 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.01 min

Lab File: VL038596.D

Acq: 14 Mar 2022 14:58

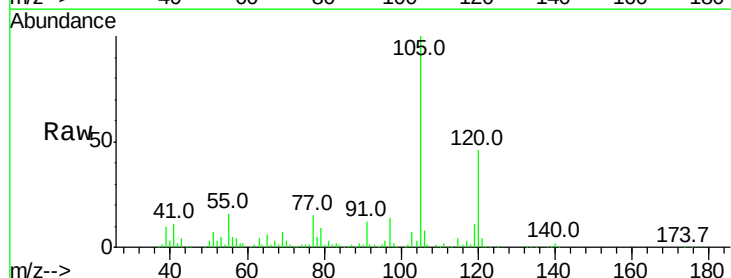
Tgt Ion:119 Resp: 57659

Ion Ratio Lower Upper

119 100

91 98.5 61.2 91.8#

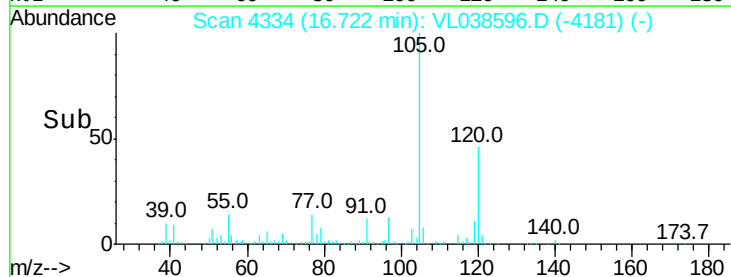
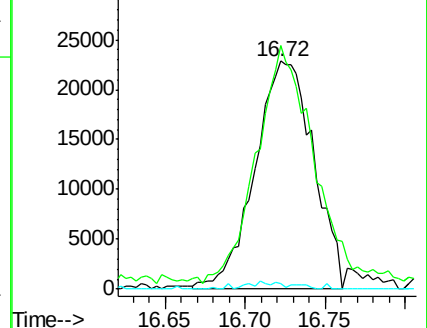
134 2.6 16.2 24.2#

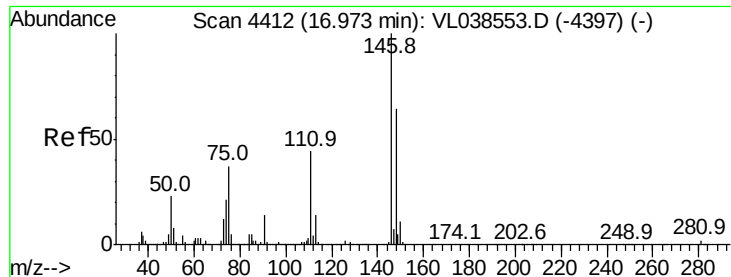


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 3.74 ppbv

RT: 16.72

Delta R.T. MSVOA_L

Lab File:

SS-2

Acq: 14 Mar 2022 14:58

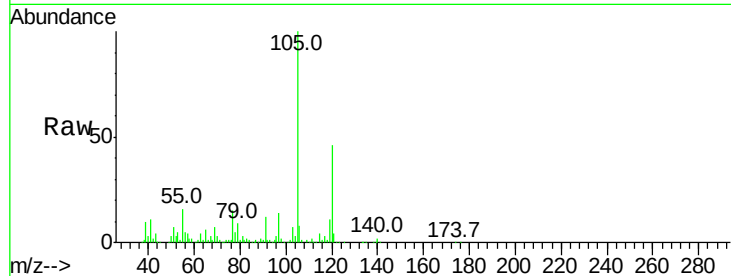
Tgt Ion: 91 Resp: 57379

Ion Ratio Lower Upper

91 100

126 0.4 14.1 21.1#

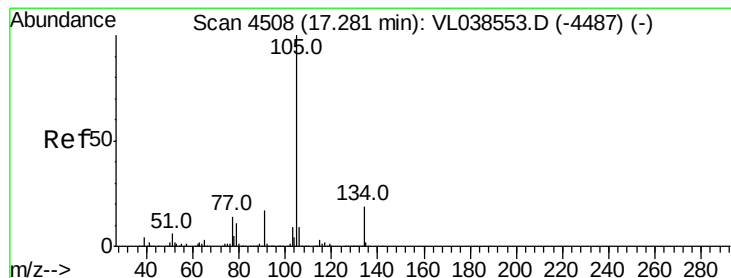
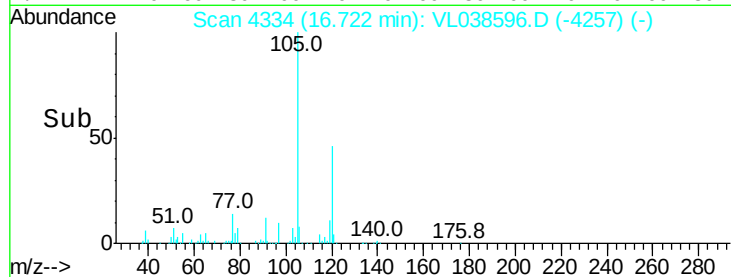
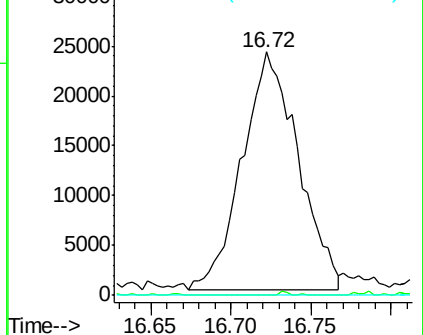
128 0.0 5.1 7.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



#67

sec-Butylbenzene

Concen: 0.11 ppbv

RT: 17.26 min Scan# 4501

Delta R.T. -0.02 min

Lab File: VL038596.D

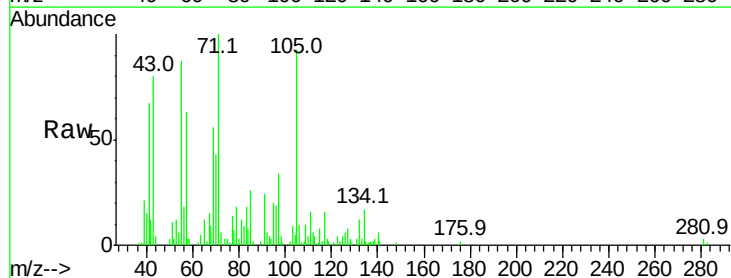
Acq: 14 Mar 2022 14:58

Tgt Ion: 105 Resp: 38903

Ion Ratio Lower Upper

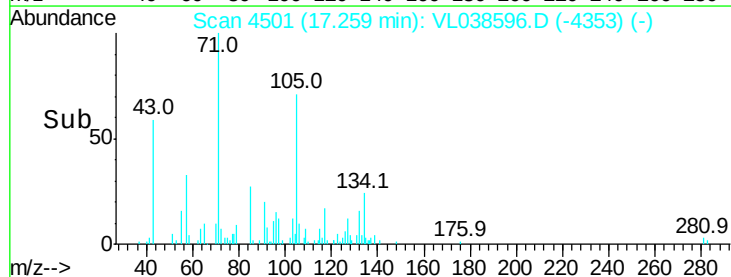
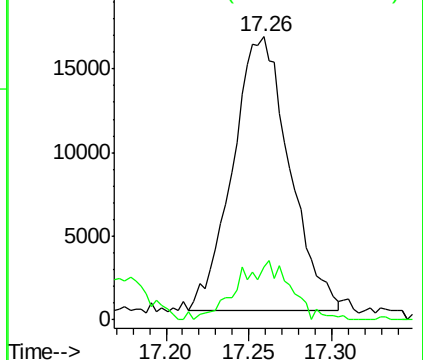
105 100

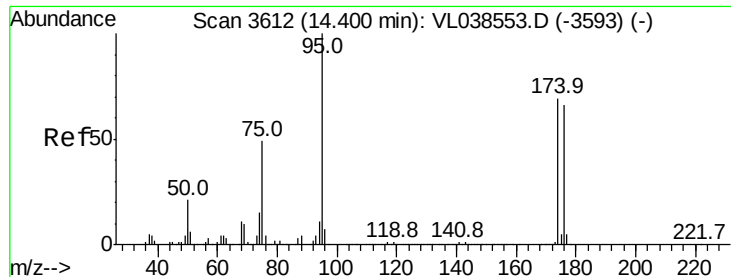
134 19.9 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

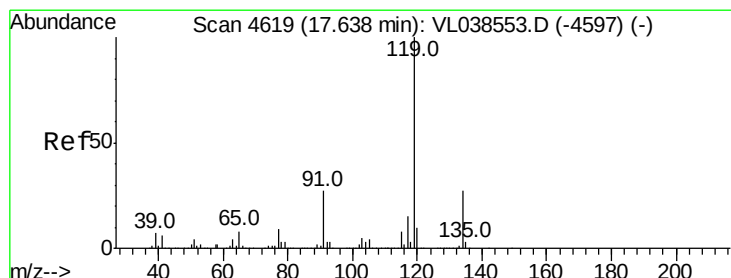
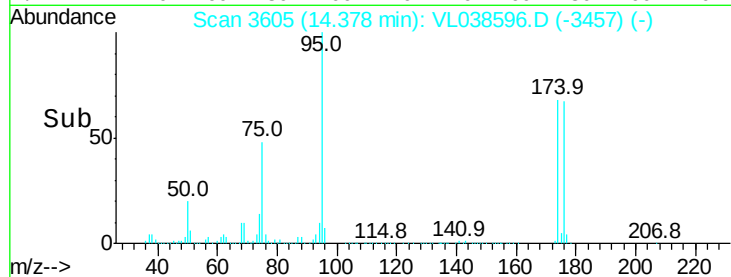
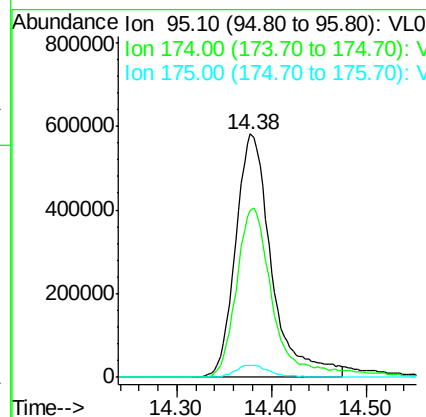
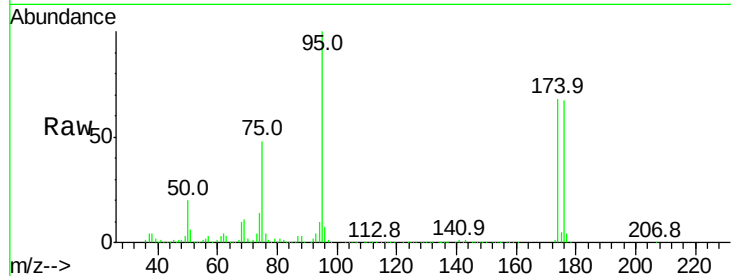
Ion 134.20 (133.90 to 134.90): V





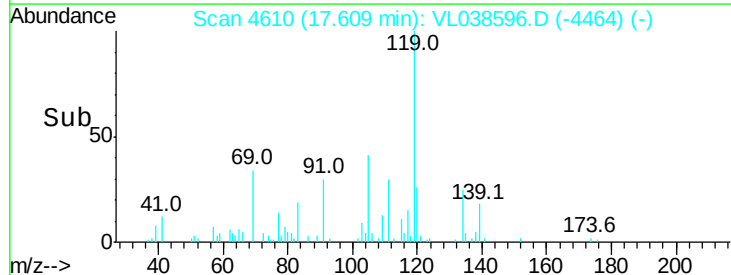
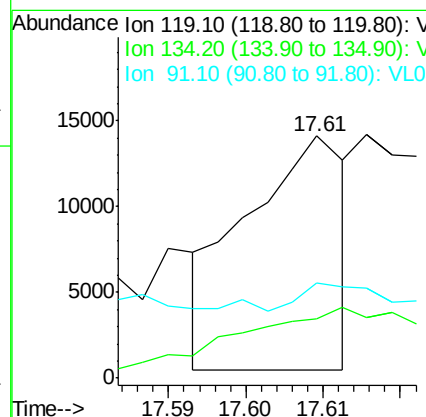
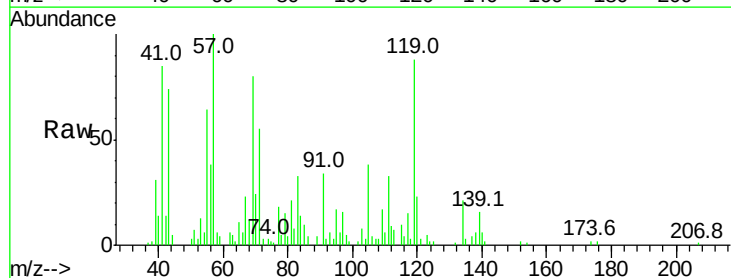
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.06 ppbv
 RT: 14.38 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-2
 Acq: 14 Mar 2022 14:58

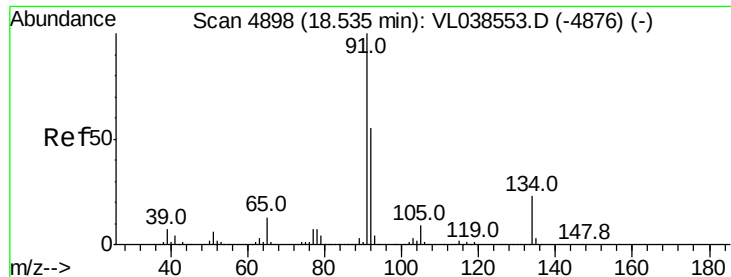
Tgt Ion: 95 Resp: 1535480
 Ion Ratio Lower Upper
 95 100
 174 72.6 56.2 84.4
 175 5.2 4.2 6.2



#69
 p-Isopropyltoluene
 Concen: 0.04 ppbv
 RT: 17.61 min Scan# 4610
 Delta R.T. -0.03 min
 Lab File: VL038596.D
 Acq: 14 Mar 2022 14:58

Tgt Ion: 119 Resp: 12325
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.9 31.3#
 91 76.3 21.1 31.7#





#70

n-Butylbenzene

Concen: 0.09 ppbv

RT: 18.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Mar 2022 14:58

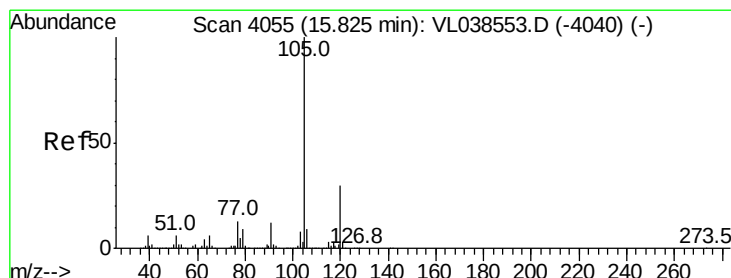
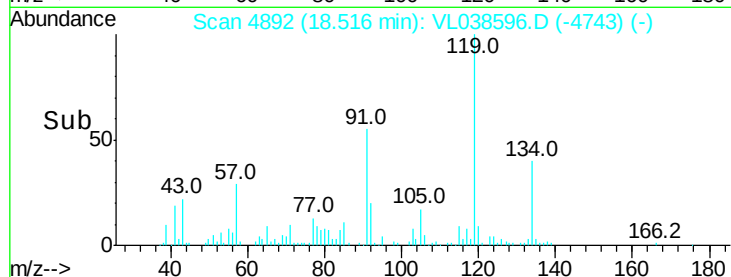
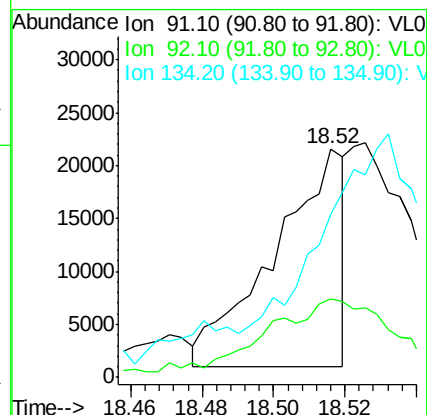
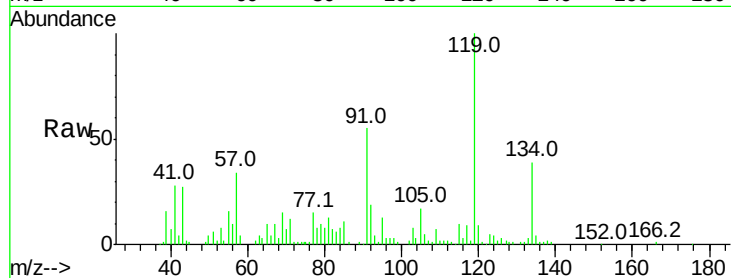
Tgt Ion: 91 Resp: 28184

Ion Ratio Lower Upper

91 100

92 76.0 43.8 65.8#

134 0.0 18.7 28.1#



#72

4-Ethyltoluene

Concen: 0.28 ppbv

RT: 15.81 min Scan# 4049

Delta R.T. -0.02 min

Lab File: VL038596.D

Acq: 14 Mar 2022 14:58

Tgt Ion: 105 Resp: 66816

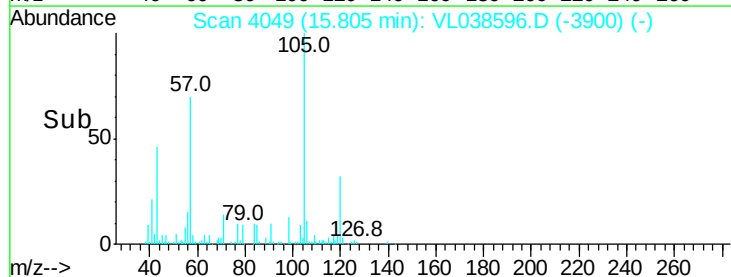
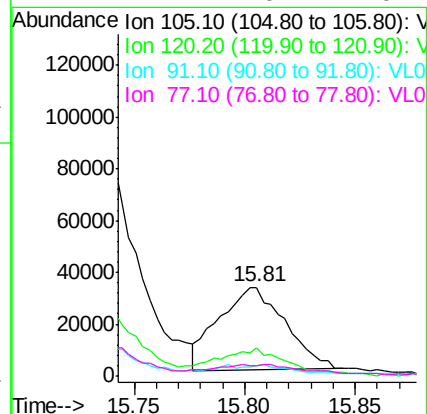
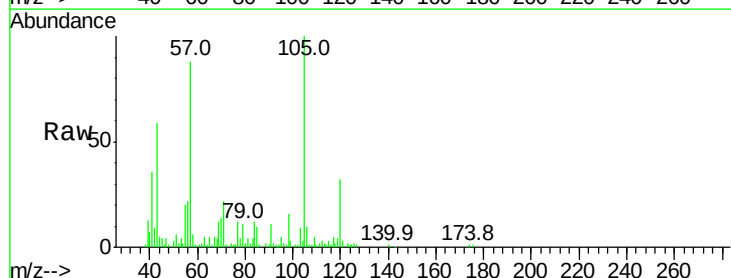
Ion Ratio Lower Upper

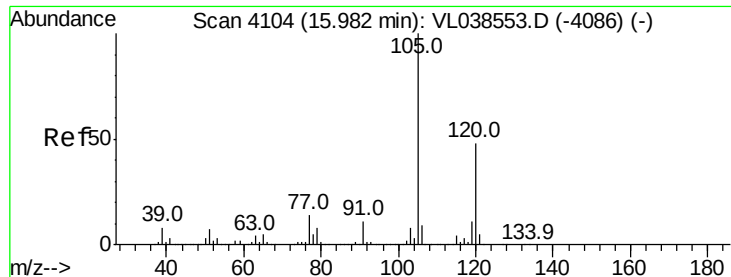
105 100

120 35.0 25.0 37.4

91 13.1 9.8 14.6

77 17.1 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 1.18 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

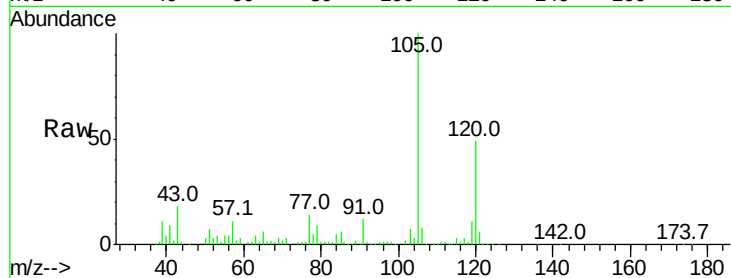
Acq: 14 Mar 2022 14:58

Tgt Ion:105 Resp: 263488

Ion Ratio Lower Upper

105 100

120 49.4 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.96

120000

100000

80000

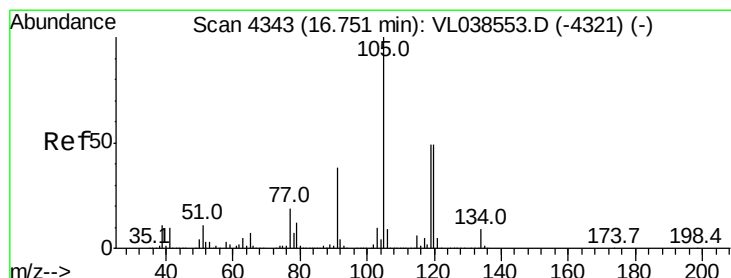
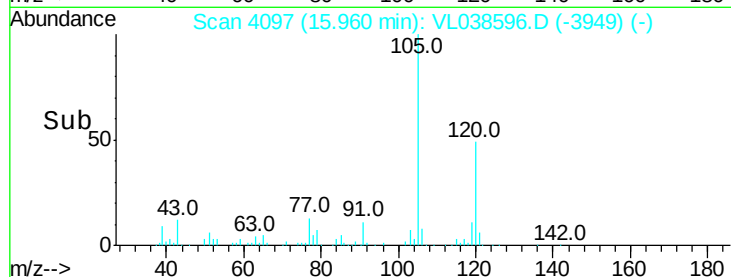
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.12 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.03 min

Lab File: VL038596.D

Acq: 14 Mar 2022 14:58

Tgt Ion:105 Resp: 506580

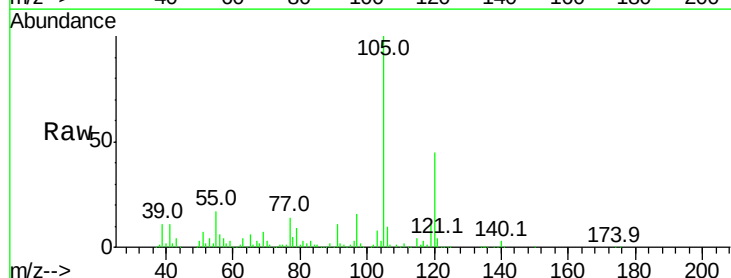
Ion Ratio Lower Upper

105 100

120 44.8 38.9 58.3

91 10.7 30.6 46.0#

77 13.8 15.2 22.8#



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

300000

250000

200000

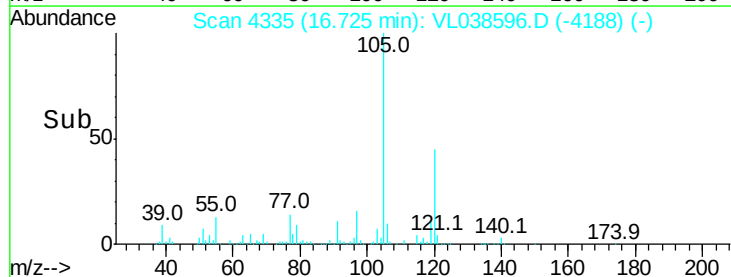
150000

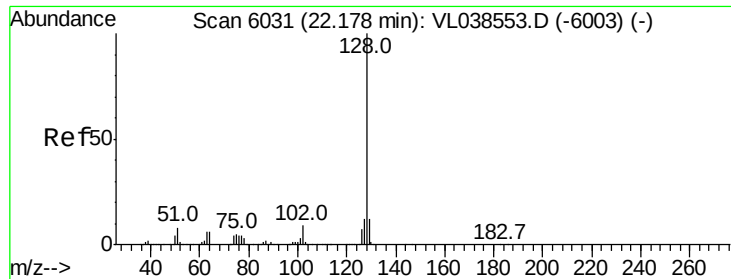
100000

50000

0

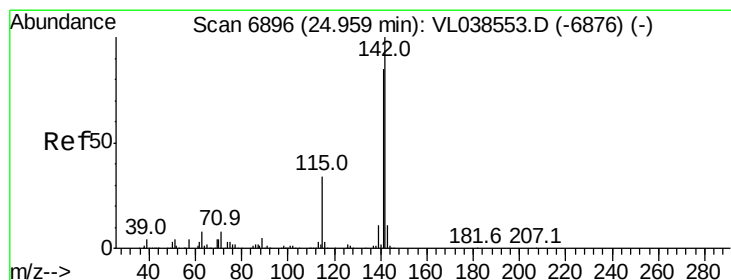
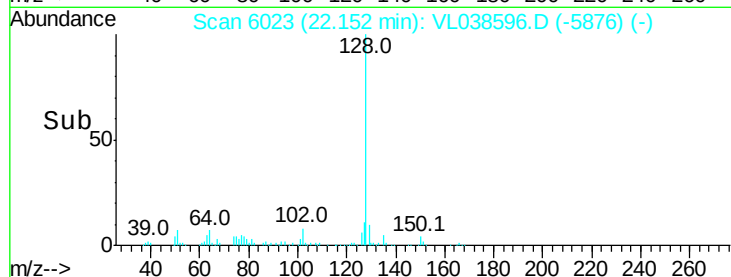
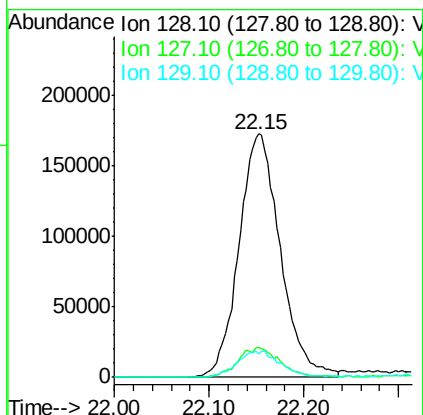
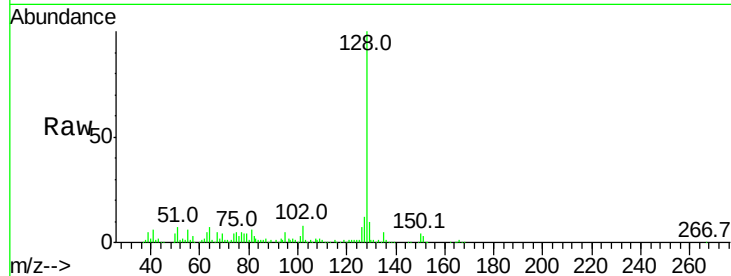
Time-->





#79
Naphthalene
Concen: 2.42 ppbv
RT: 22.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:58

Tgt Ion:	128	Resp:	521936
Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	9.6	9.3	13.9



#80
Naphthalene, 2-methyl-
Concen: 0.12 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.01 min
Lab File: VL038596.D
Acq: 14 Mar 2022 14:58

Tgt Ion:	142	Resp:	4609
Ion	Ratio	Lower	Upper
142	100		
141	56.5	68.4	102.6#
115	50.5	27.9	41.9#

