

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038875.D
 Acq On : 11 Apr 2022 18:21
 Operator : SY/AP
 Sample : N2332-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-1DUP

Quant Time: Apr 12 02:49:37 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1201053	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3374288	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3001064	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2322891	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	47016	0.276 ppbv	91
3) Chlorodifluoromethane	2.99	51	59753	0.408 ppbv #	90
4) Chloromethane	3.14	50	32999	0.435 ppbv #	81
9) Propene	3.01	41	2157196	27.816 ppbv	95
10) Heptane	8.12	43	8652772	44.295 ppbv	96
11) Trichlorofluoromethane	3.95	101	30079	0.220 ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	7005	0.067 ppbv	97
13) Ethanol	3.61	45	2608091	553.392 ppbv #	100
15) Acetone	3.85	43	33649064	281.404 ppbv #	62
16) 1,3-Butadiene	3.31	39	587488	8.594 ppbv #	32
17) tert-Butyl alcohol	4.31	59	34910	0.326 ppbv #	1
19) Isopropyl Alcohol	3.98	45	252851	4.137 ppbv #	100
20) Methylene Chloride	4.35	84	216507	4.992 ppbv	94
21) Allyl Chloride	4.37	41	169836	1.897 ppbv #	44
23) Vinyl Acetate	5.05	43	746466	6.410 ppbv #	1
25) Ethyl Acetate	5.67	43	7946046	26.189 ppbv #	94
26) Hexane	5.68	57	1798307	13.022 ppbv #	21
30) Cyclohexane	7.12	84	775758	6.373 ppbv	96
31) cis-1,2-Dichloroethene	5.67	61	927410	7.303 ppbv #	23
34) 2-Butanone	5.25	43	398107	2.986 ppbv	95
36) Benzene	6.89	78	2789537	9.087 ppbv	99
39) 1,2-Dichloropropane	7.49	63	28220	0.240 ppbv #	1
40) 1,4-Dioxane	7.84	88	3509	0.088 ppbv #	20
41) Tetrahydrofuran	5.97	42	15865	0.125 ppbv #	60
42) Bromodichloromethane	7.79	83	179520	0.810 ppbv #	25
43) Methyl Methacrylate	7.98	69	19632	0.167 ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	3067717	5.903 ppbv #	63
50) 4-Methyl-2-Pentanone	8.74	43	582350	1.942 ppbv	98
51) 2-Hexanone	10.10	43	213216	0.944 ppbv #	28
52) Tetrachloroethene	11.22	164	345108	3.219 ppbv	97
53) Toluene	9.82	91	29510915	83.280 ppbv #	20
58) Ethyl Benzene	12.70	91	3169404	7.068 ppbv	92
59) m/p-Xylene	12.96	91	7836121	20.799 ppbv	96
60) o-Xylene	13.68	91	3040012	8.623 ppbv	98
61) Styrene	13.52	104	182171	0.848 ppbv	98
62) Isopropylbenzene	14.66	105	253911	0.480 ppbv	95
64) n-propylbenzene	15.55	120	217416	1.582 ppbv	77
65) tert-Butylbenzene	16.75	119	490545	1.045 ppbv #	62
66) Benzyl Chloride	17.19	91	96427	1.009 ppbv #	66
67) sec-Butylbenzene	17.28	105	236604	0.359 ppbv	99
69) p-Isopropyltoluene	17.64	119	140973	0.261 ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

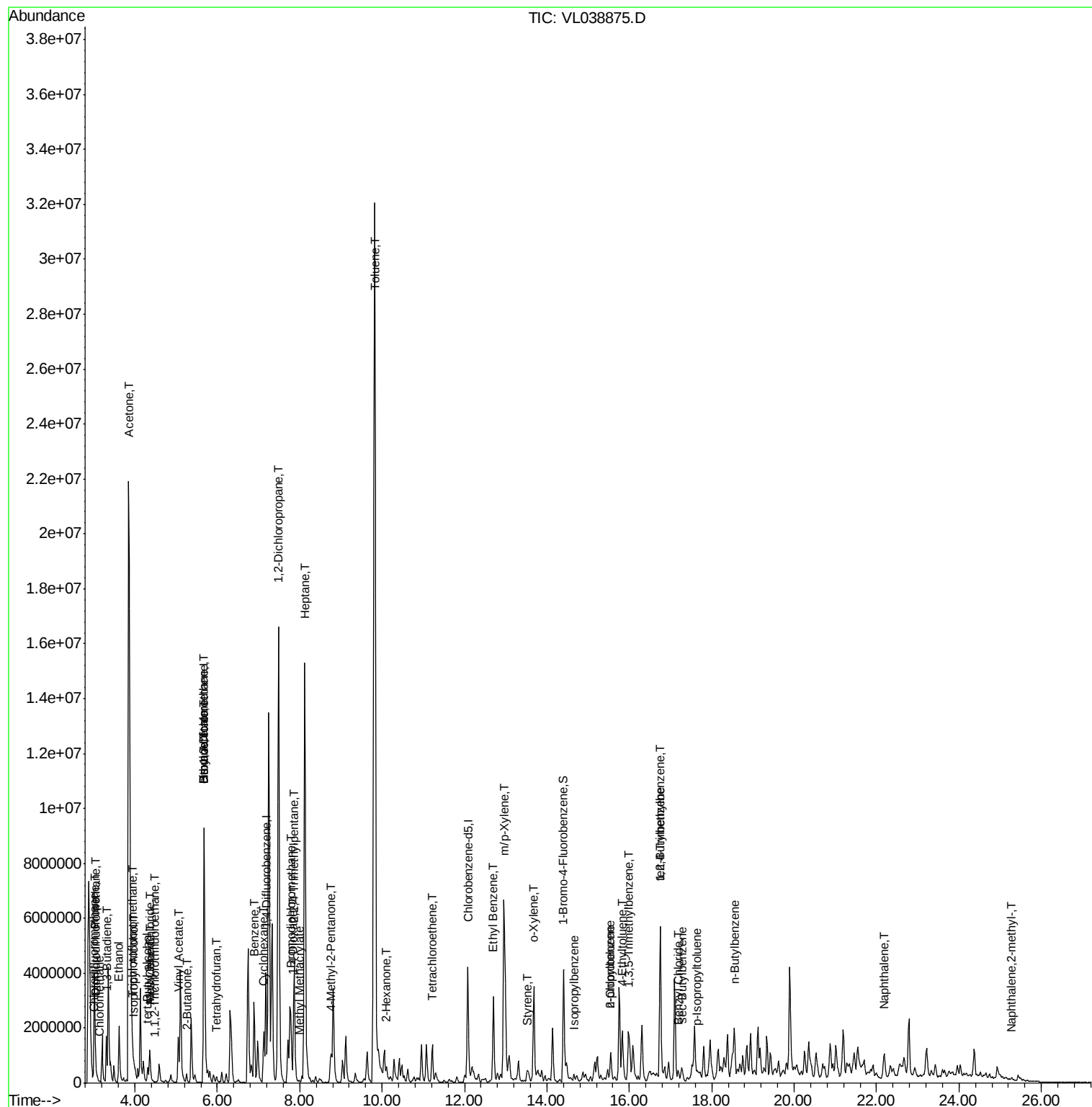
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	18.54	91	795468	1.460	ppbv #	49
71) 2-Chlorotoluene	15.55	91	1084675	2.726	ppbv #	43
72) 4-Ethyltoluene	15.83	105	1420039	3.373	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	1258205	3.327	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4420917	11.059	ppbv #	72
79) Naphthalene	22.18	128	683778	2.287	ppbv	98
80) Naphthalene,2-methyl-	25.28	142	55653	0.755	ppbv	97

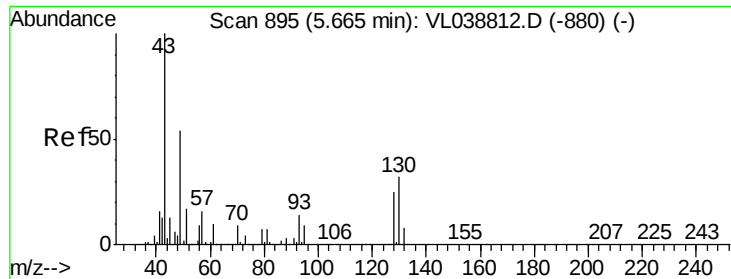
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 18:21

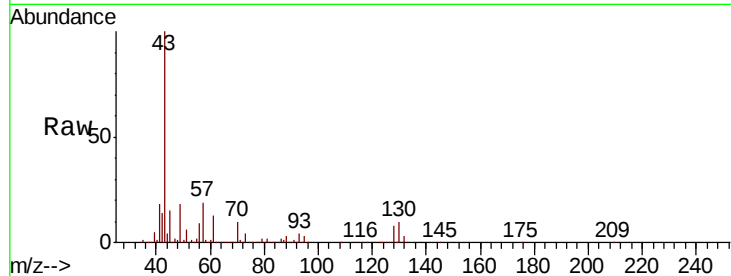
Tot Ion: 49 Resp: 1201053

Ion Ratio Lower Upper

49 100

128 47.2 24.1 72.3

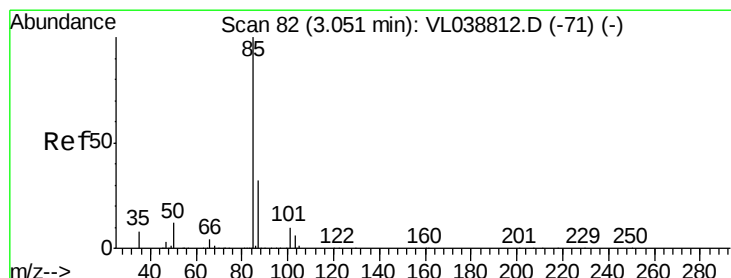
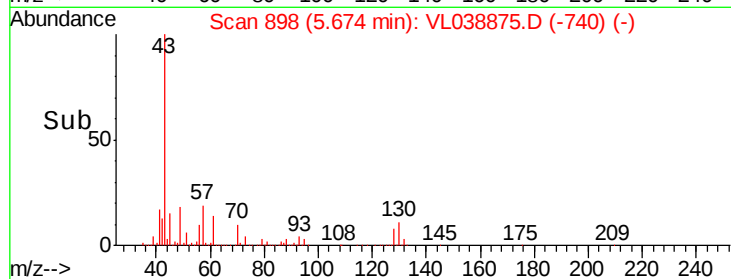
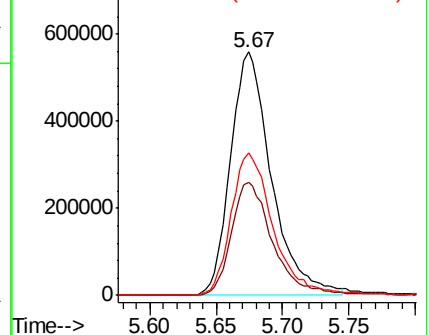
130 60.7 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.276 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038875.D

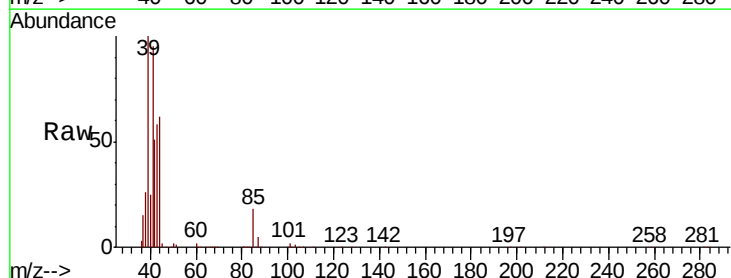
Acq: 11 Apr 2022 18:21

Tgt Ion: 85 Resp: 47016

Ion Ratio Lower Upper

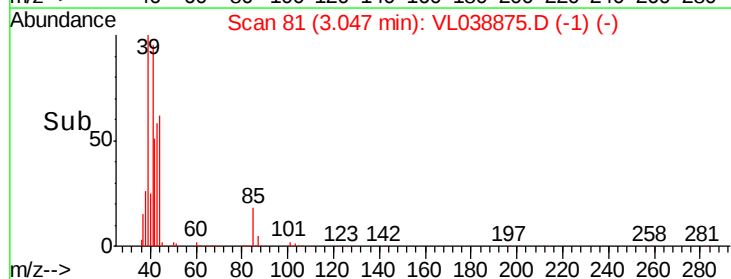
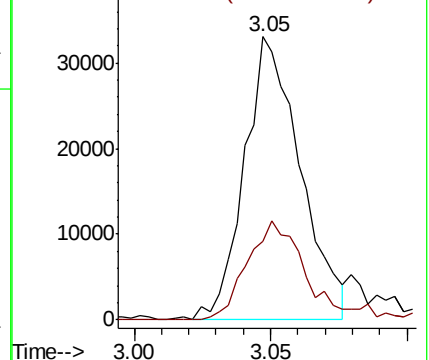
85 100

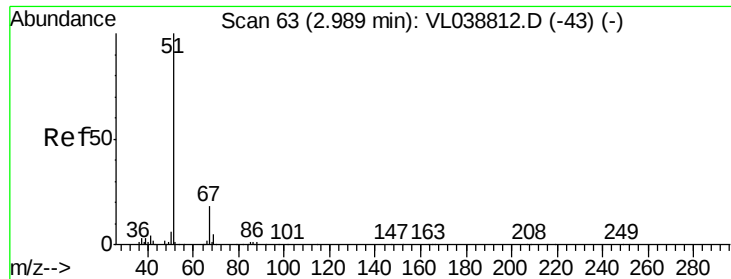
87 27.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.408 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-1DUP

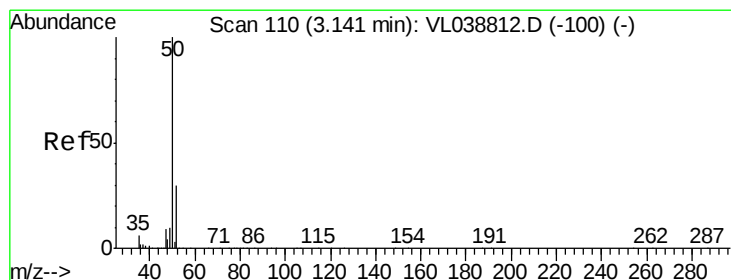
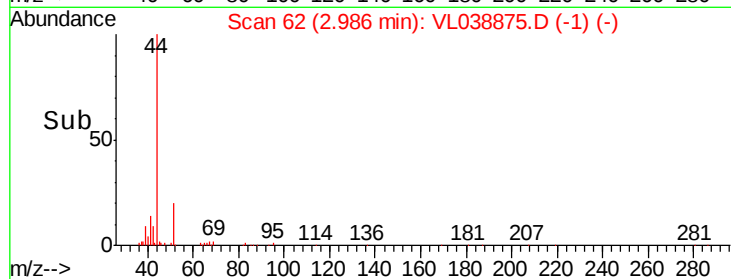
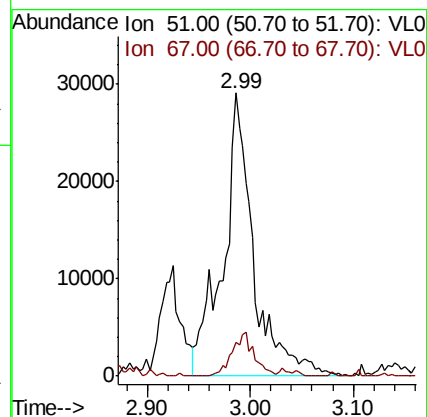
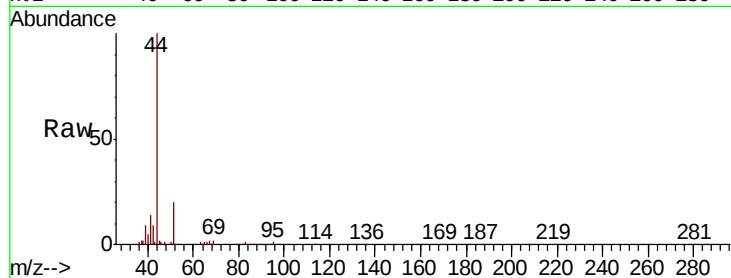
Acq: 11 Apr 2022 18:21

Tot Ion: 51 Resp: 59753

Ion Ratio Lower Upper

51 100

67 12.5 13.4 20.0#



#4

Chloromethane

Concen: 0.435 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038875.D

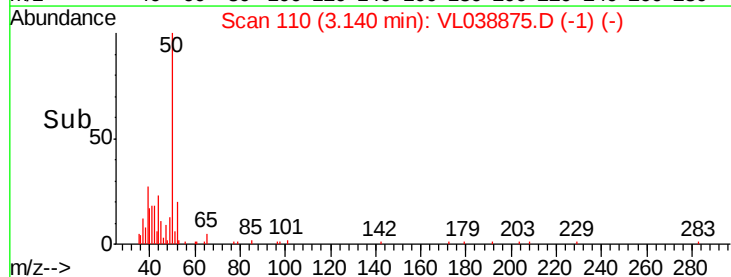
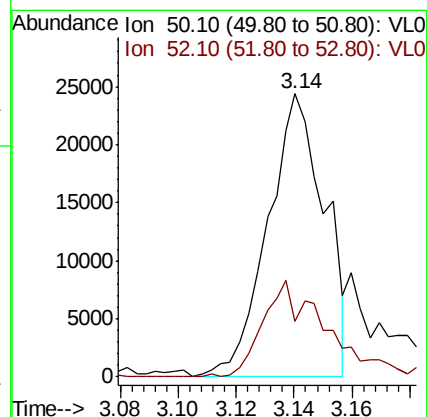
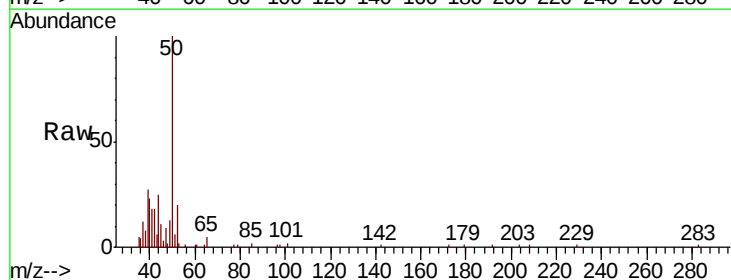
Acq: 11 Apr 2022 18:21

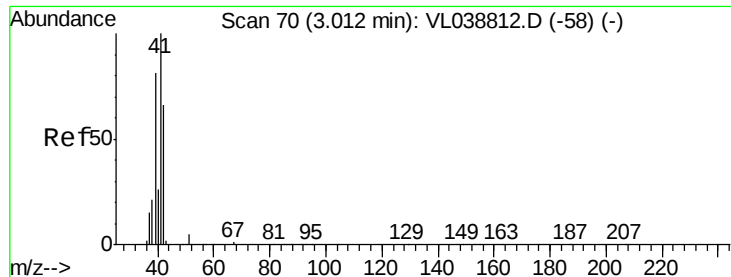
Tgt Ion: 50 Resp: 32999

Ion Ratio Lower Upper

50 100

52 19.8 24.3 36.5#





#9

Propene

Concen: 27.816 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

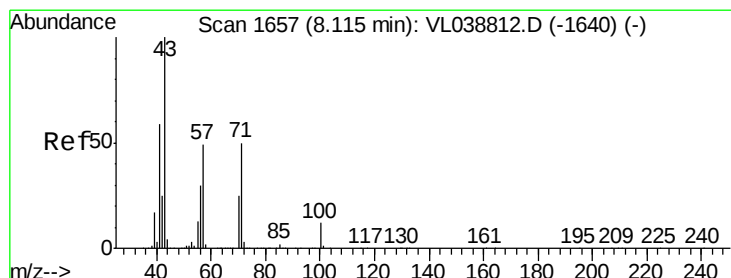
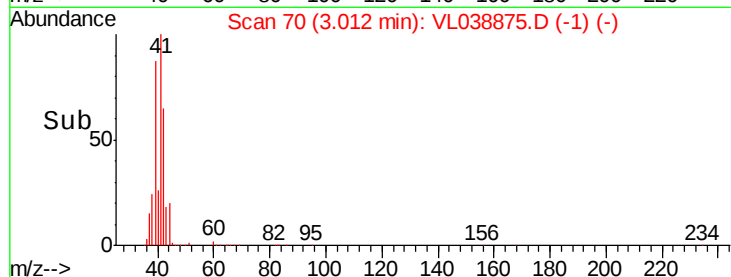
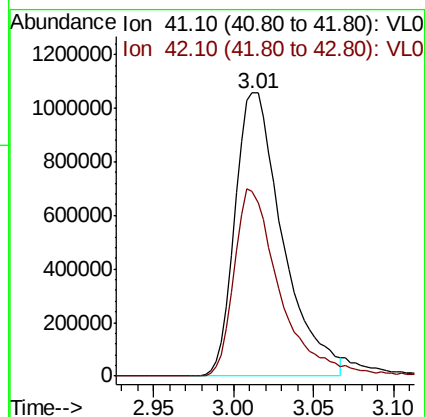
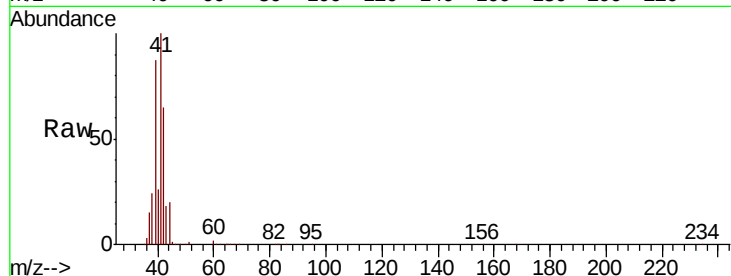
Acq: 11 Apr 2022 18:21

Tot Ion: 41 Resp: 2157196

Ion Ratio Lower Upper

41 100

42 64.0 54.2 81.4



#10

Heptane

Concen: 44.295 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL038875.D

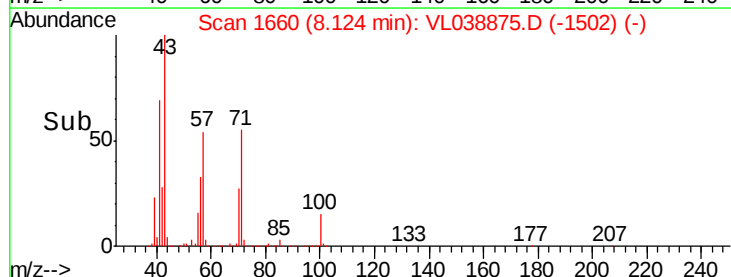
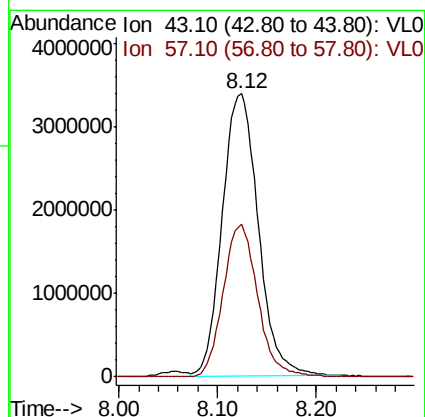
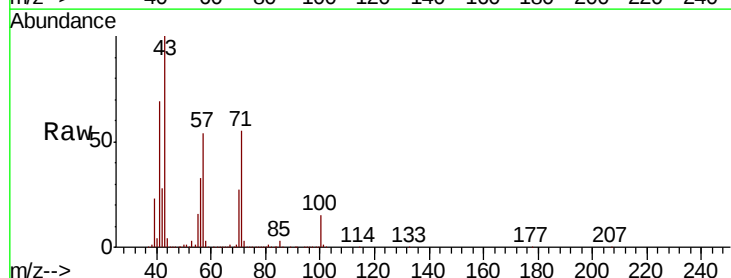
Acq: 11 Apr 2022 18:21

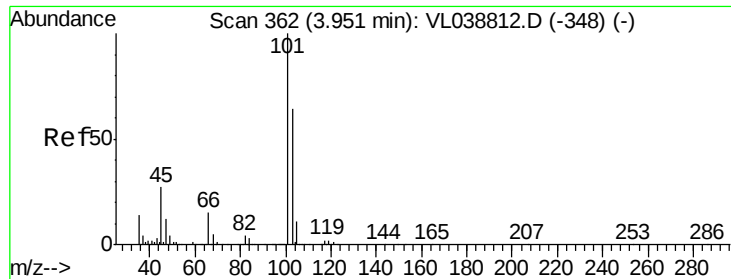
Tgt Ion: 43 Resp: 8652772

Ion Ratio Lower Upper

43 100

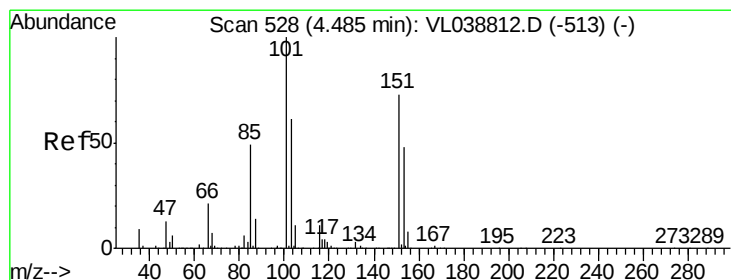
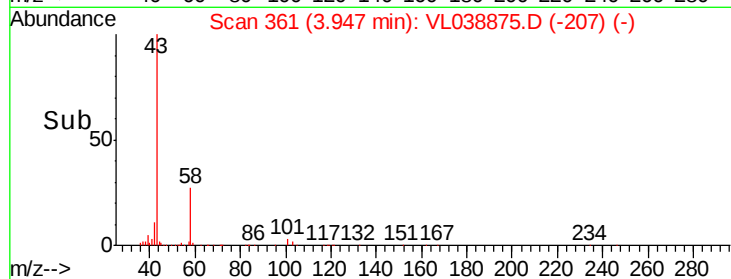
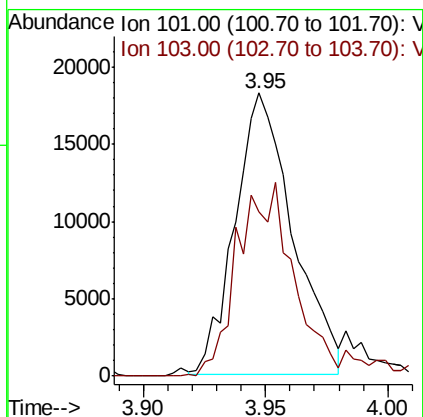
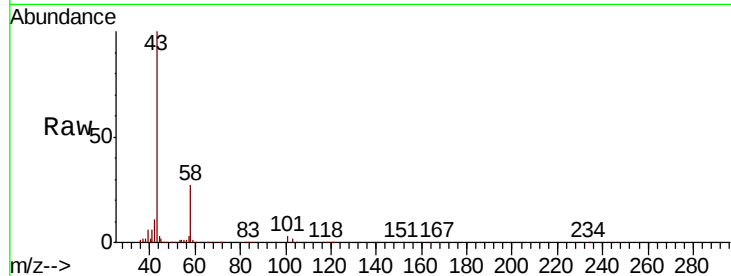
57 51.9 39.3 58.9





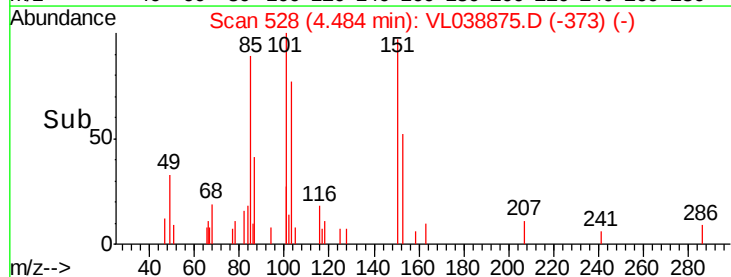
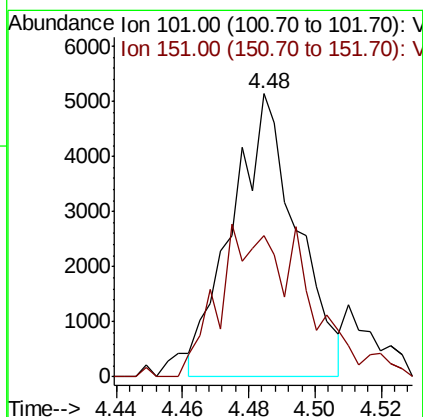
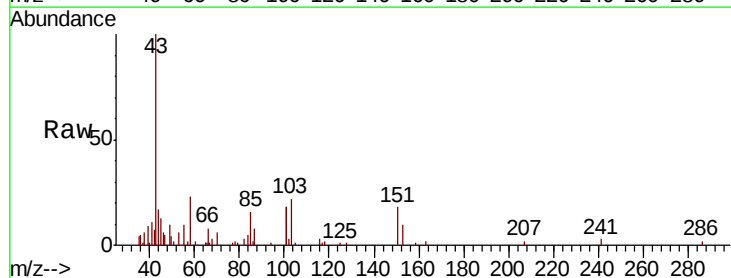
#11
 Trichlorofluoromethane
 Concen: 0.220 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

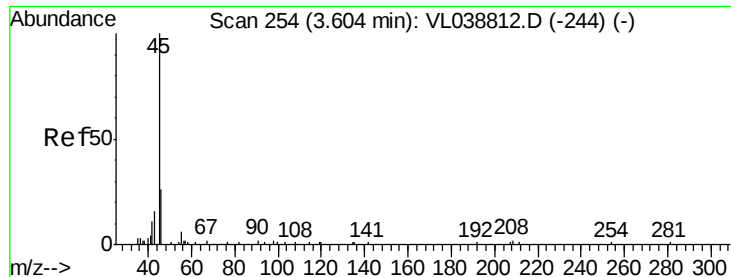
Tot Ion:101 Resp: 30079
 Ion Ratio Lower Upper
 101 100
 103 58.2 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.067 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

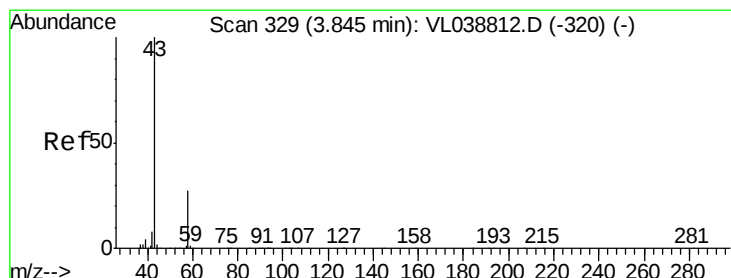
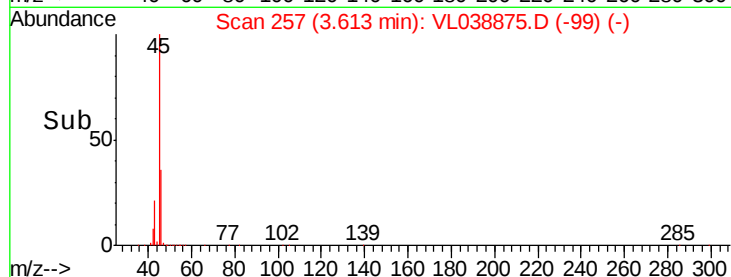
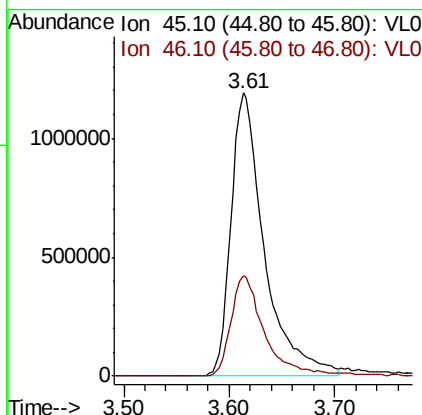
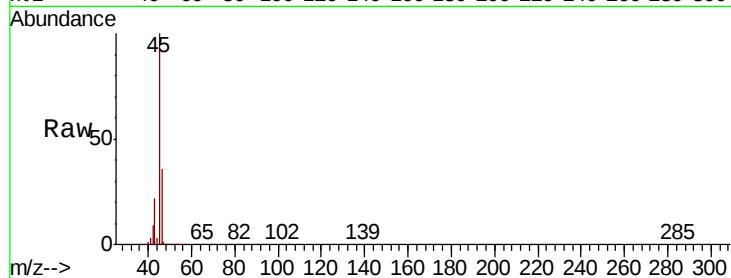
Tgt Ion:101 Resp: 7005
 Ion Ratio Lower Upper
 101 100
 151 72.0 59.9 89.9





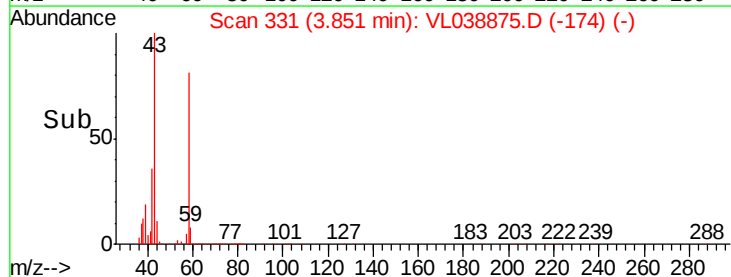
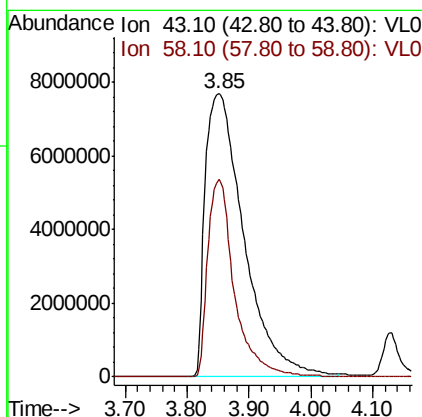
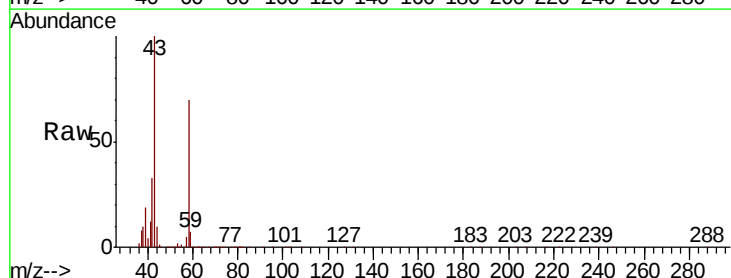
#13
 Ethanol
 Concen: 553.392 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

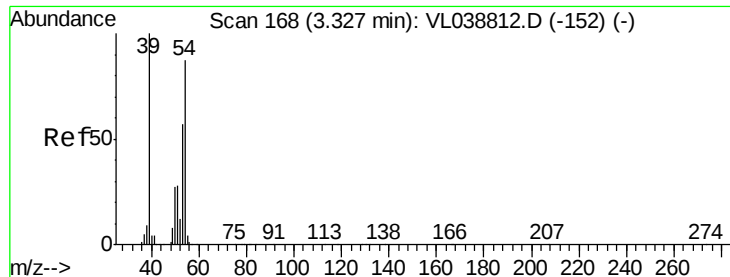
Tot Ion: 45 Resp: 2608091
 Ion Ratio Lower Upper
 45 100
 46 36.9 0.0 0.0#



#15
 Acetone
 Concen: 281.404 ppbv
 RT: 3.85 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

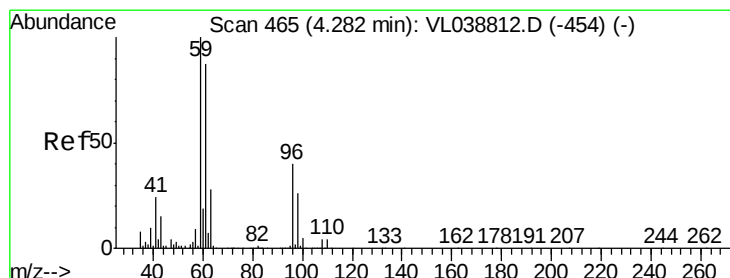
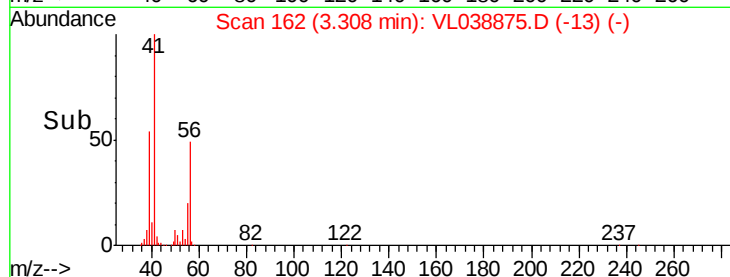
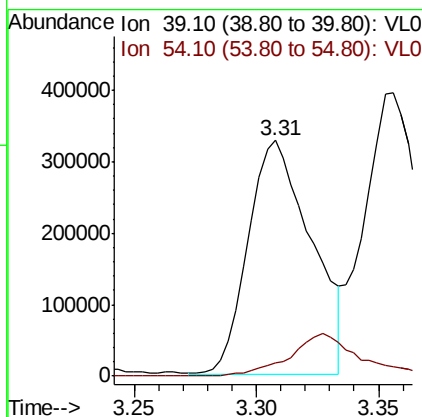
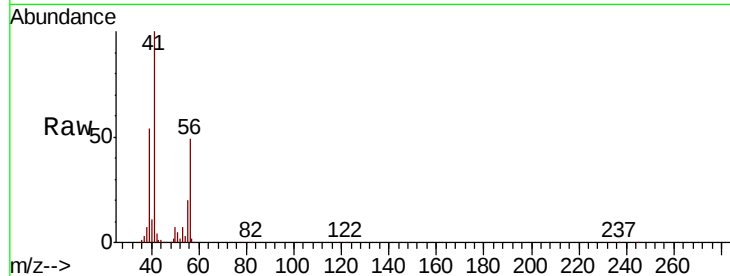
Tgt Ion: 43 Resp: 33649064
 Ion Ratio Lower Upper
 43 100
 58 48.2 22.5 33.7#





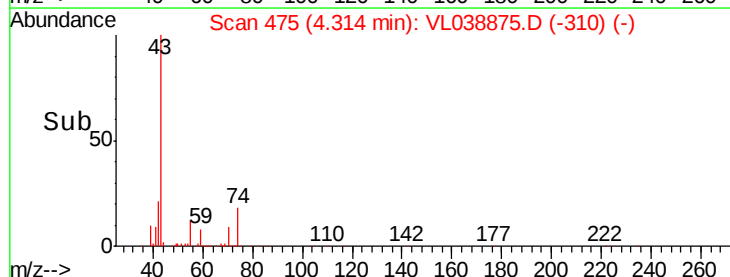
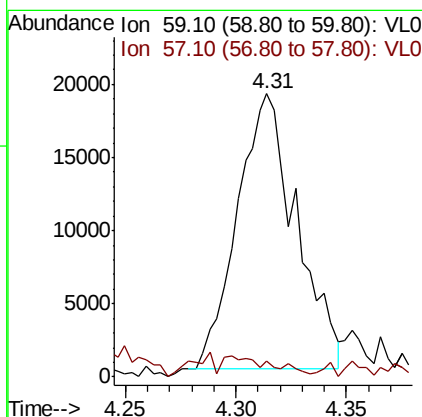
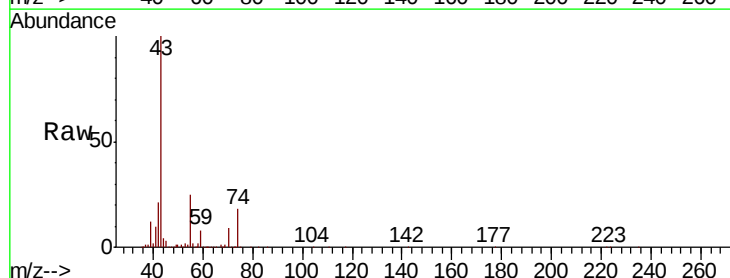
#16
 1,3-Butadiene
 Concen: 8.594 ppbv
 RT: 3.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

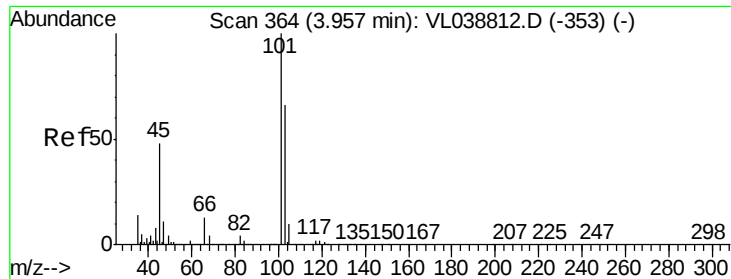
Tot Ion: 39 Resp: 587488
 Ion Ratio Lower Upper
 39 100
 54 20.8 64.8 97.2#



#17
 tert-Butyl alcohol
 Concen: 0.326 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.03 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

Tgt Ion: 59 Resp: 34910
 Ion Ratio Lower Upper
 59 100
 57 942.9 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 4.137 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

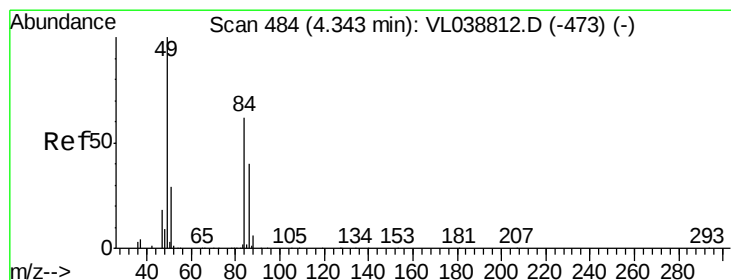
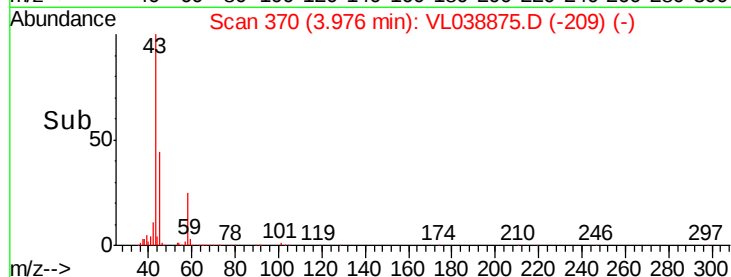
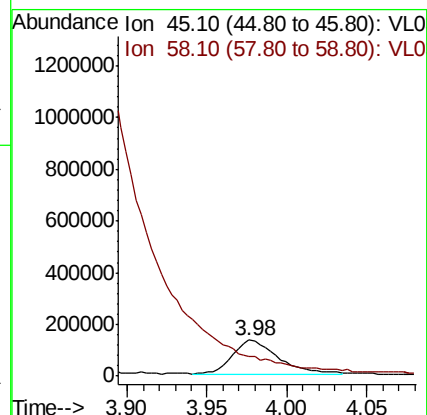
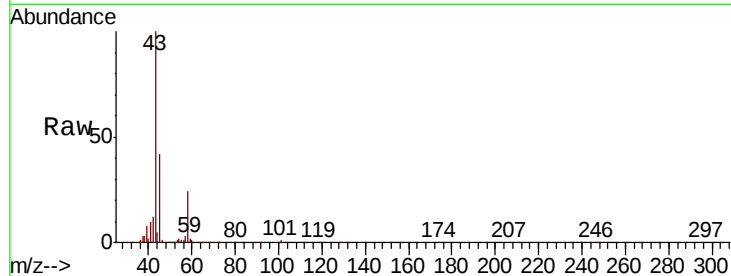
Acq: 11 Apr 2022 18:21

Tot Ion: 45 Resp: 252851

Ion Ratio Lower Upper

45 100

58 0.0 0.0 0.0



#20

Methylene Chloride

Concen: 4.992 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL038875.D

Acq: 11 Apr 2022 18:21

Tgt Ion: 84 Resp: 216507

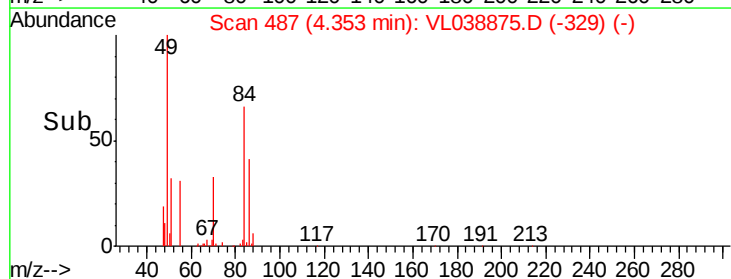
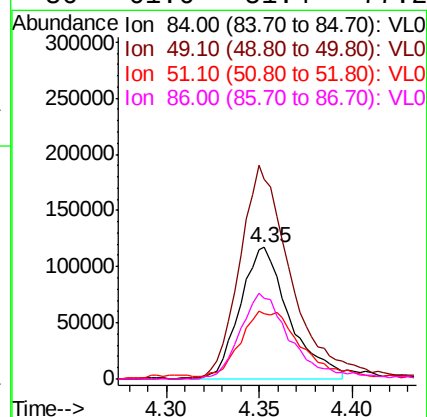
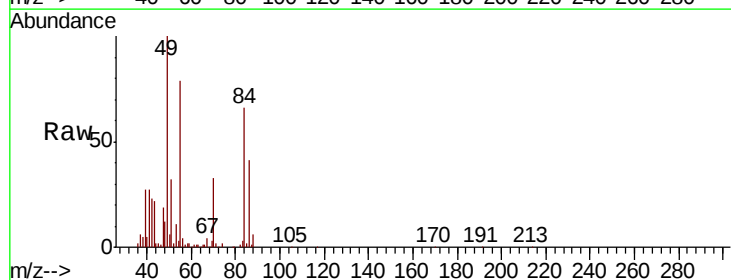
Ion Ratio Lower Upper

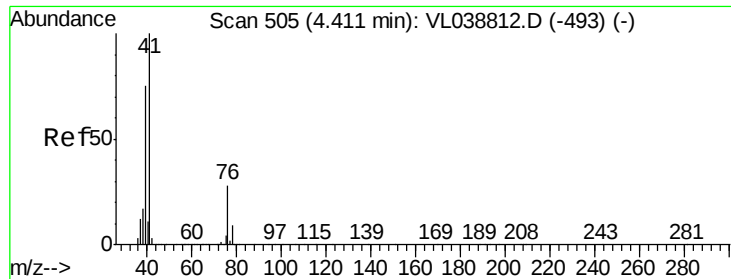
84 100

49 150.5 129.4 194.0

51 47.4 37.4 56.2

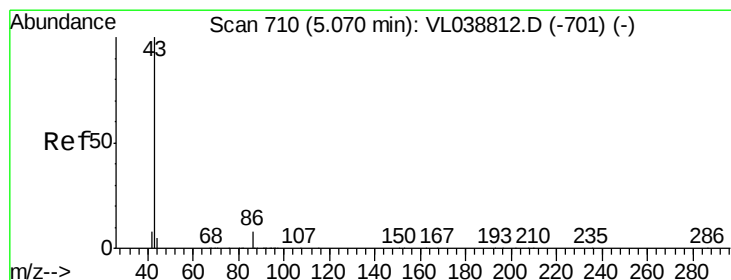
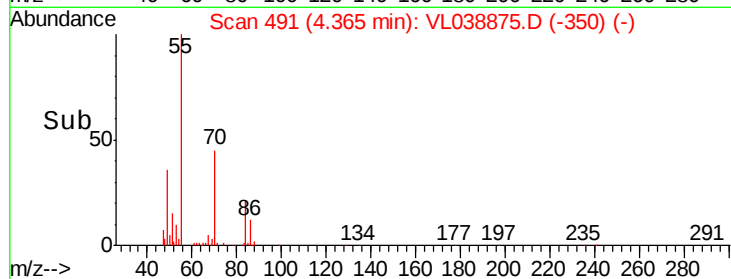
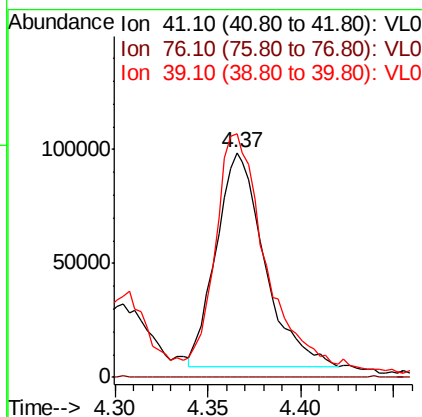
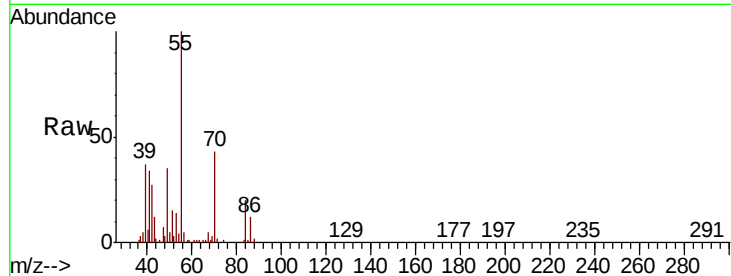
86 61.6 51.4 77.2





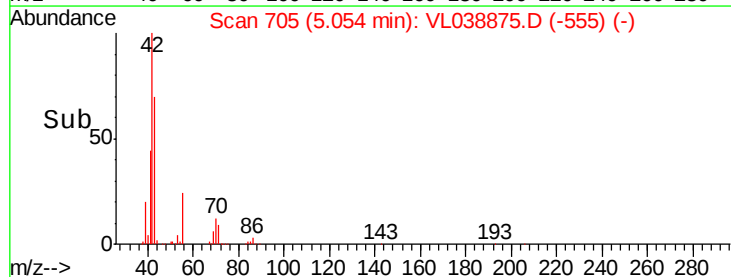
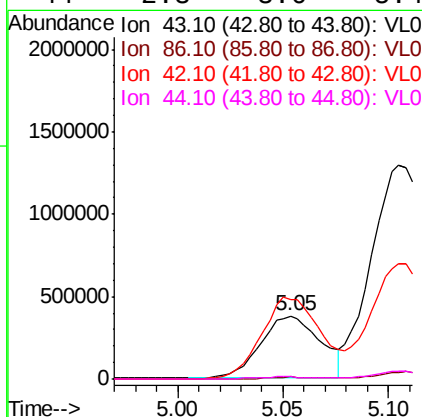
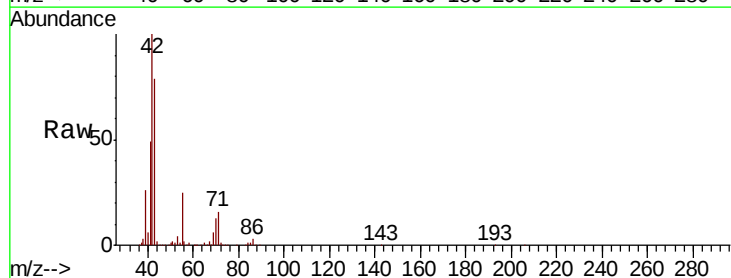
#21
 Allvl Chloride
 Concen: 1.897 ppbv
 RT: 4.37
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

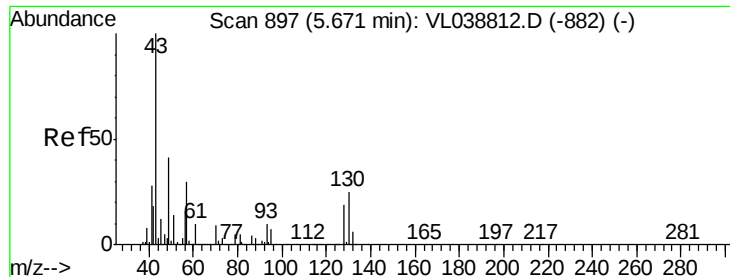
Tot Ion	Ratio	Lower	Upper
41	100		
76	0.1	23.7	35.5#
39	126.4	62.0	93.0#



#23
 Vinyl Acetate
 Concen: 6.410 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

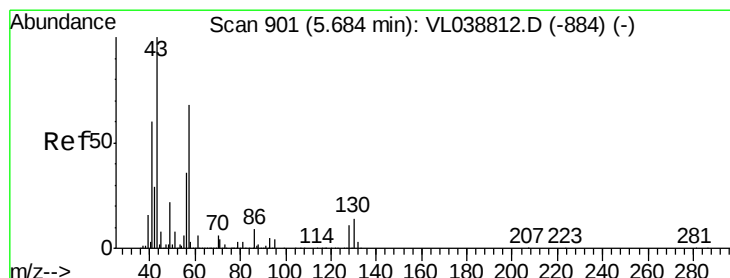
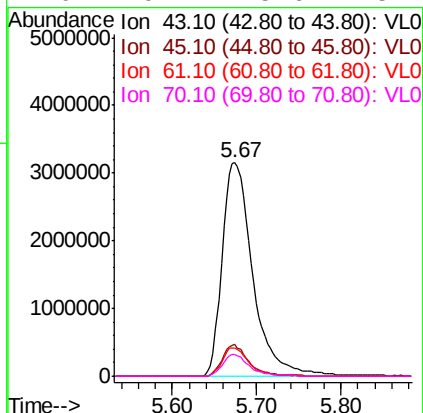
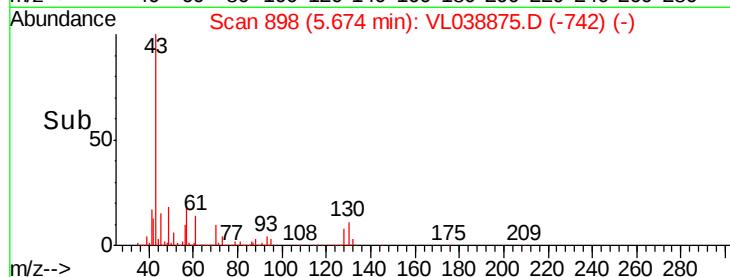
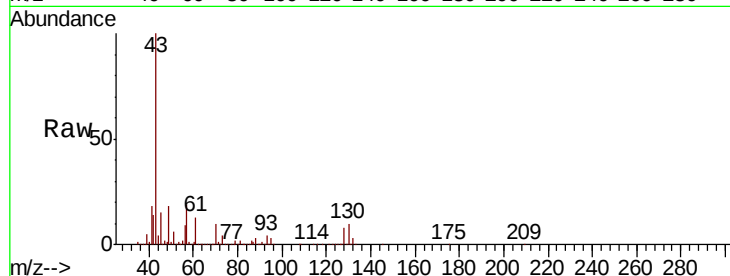
Tgt Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.8	8.6#
42	128.2	7.8	11.6#
44	2.3	3.6	5.4#





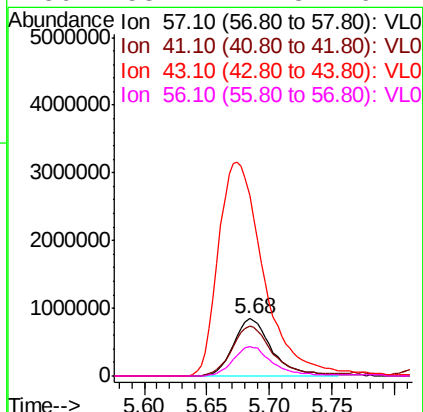
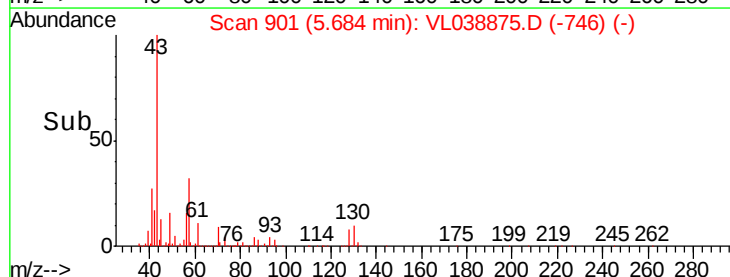
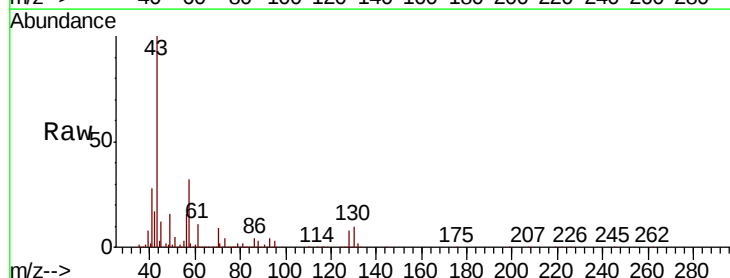
#25
Ethyl Acetate
Concen: 26.189 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 Apr 2022 18:21

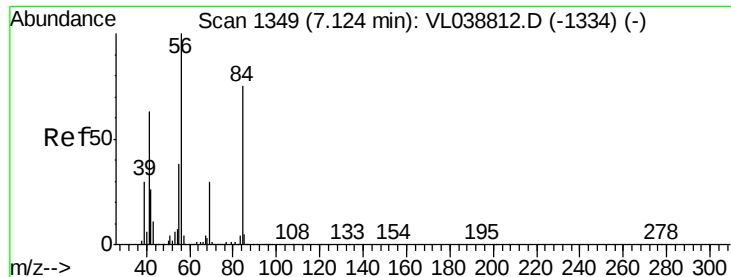
Tot Ion:	43	Resp:	7946046
Ion	Ratio	Lower	Upper
43	100		
45	13.2	8.4	12.6#
61	12.0	7.9	11.9#
70	9.1	5.6	8.4#



#26
Hexane
Concen: 13.022 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL038875.D
Acq: 11 Apr 2022 18:21

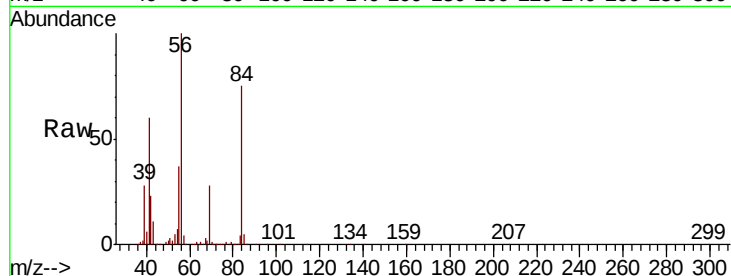
Tgt Ion:	57	Resp:	1798307
Ion	Ratio	Lower	Upper
57	100		
41	93.2	72.0	108.0
43	444.6	186.6	280.0#
56	53.1	42.8	64.2





#30
Cvclohexane
Concen: 6.373 ppbv
RT: 7.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 18:21

Tot Ion	84	Resp	775758
Ion Ratio	Lower	Upper	
84	100		
56	140.0	114.4	171.6
41	80.1	69.0	103.4

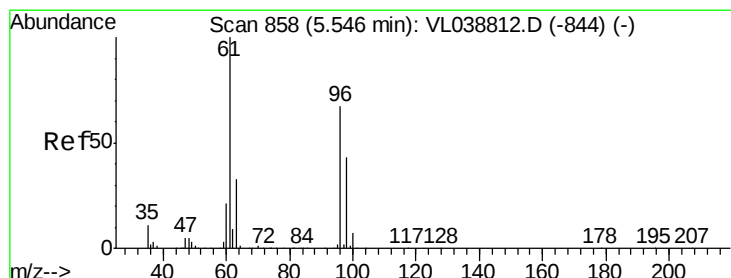
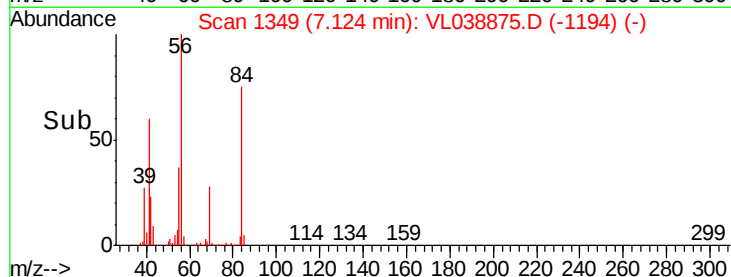
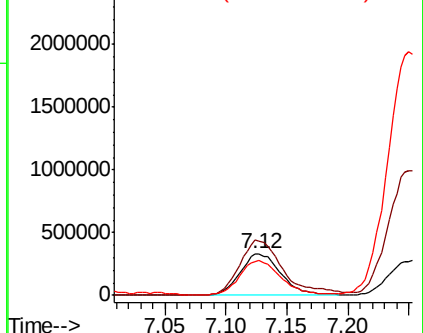


Abundance

Ion 84.20 (83.90 to 84.90): VL0

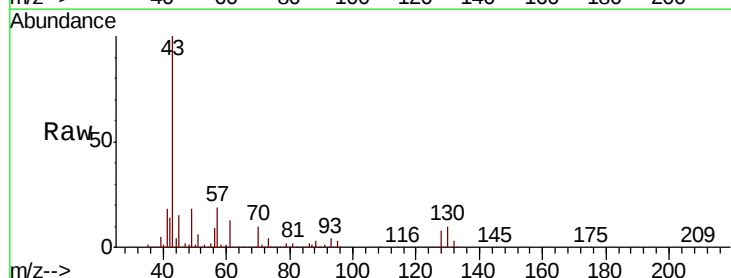
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#31
cis-1,2-Dichloroethene
Concen: 7.303 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.13 min
Lab File: VL038875.D
Acq: 11 Apr 2022 18:21

Tgt Ion	61	Resp	927410
Ion Ratio	Lower	Upper	
61	100		
96	0.3	53.4	80.0#
98	0.0	34.2	51.4#

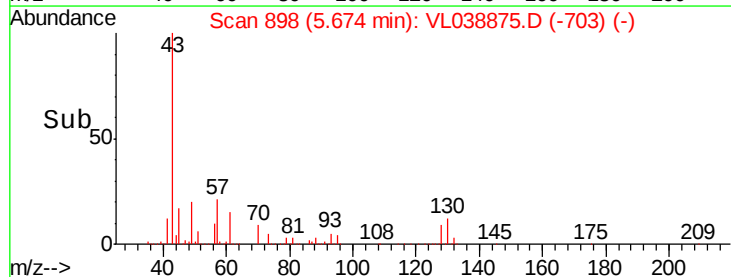
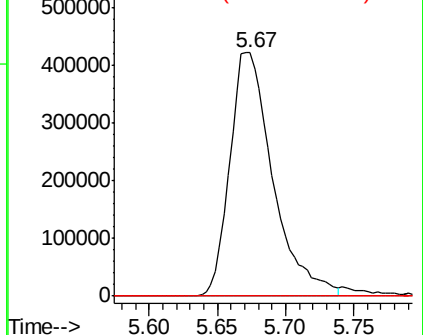


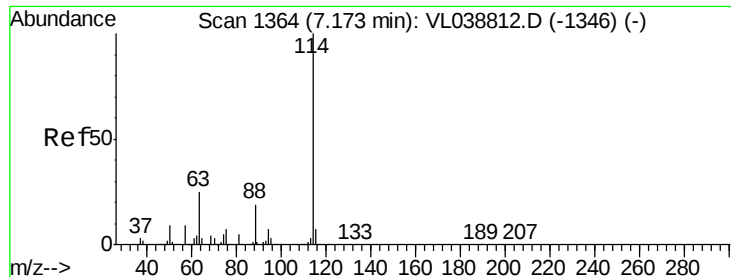
Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

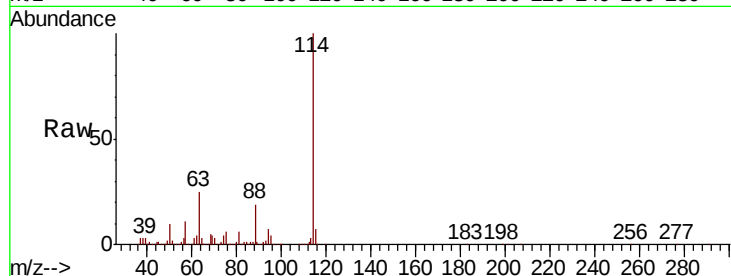




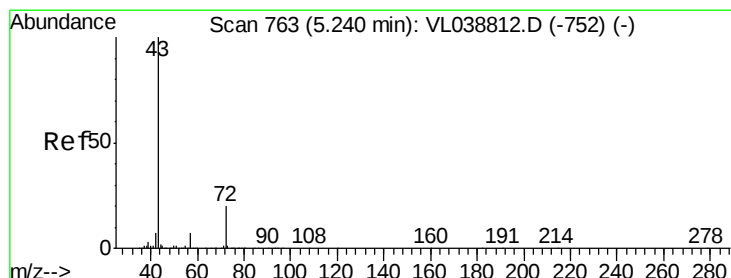
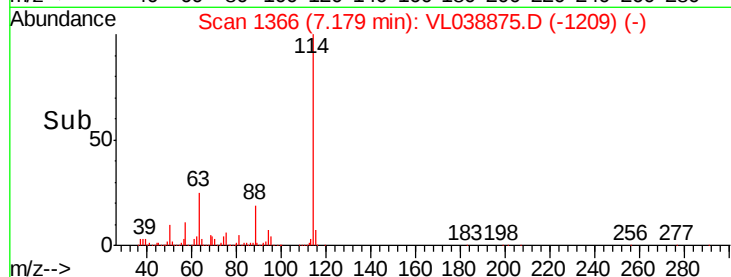
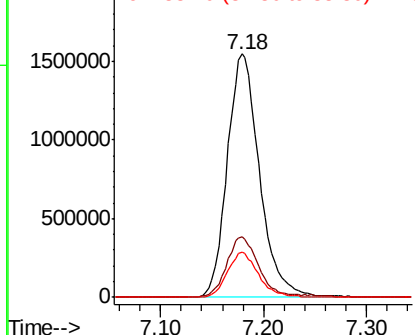
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

Tot Ion:114 Resp: 3374288

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.8	29.8
88	18.1	14.2	21.4



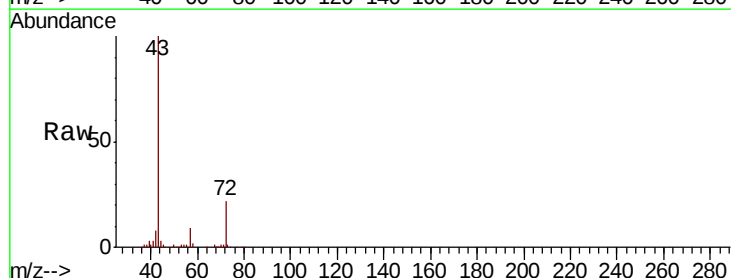
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



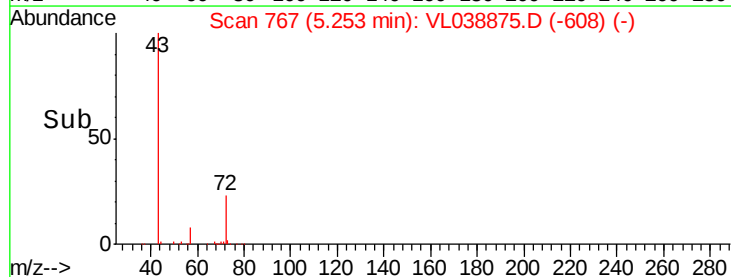
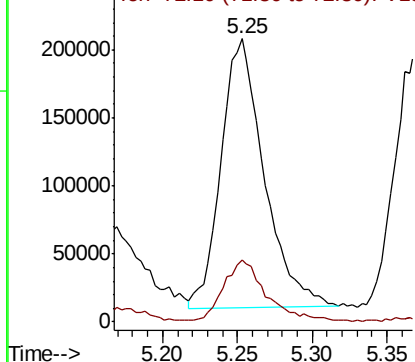
#34
 2-Butanone
 Concen: 2.986 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.01 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

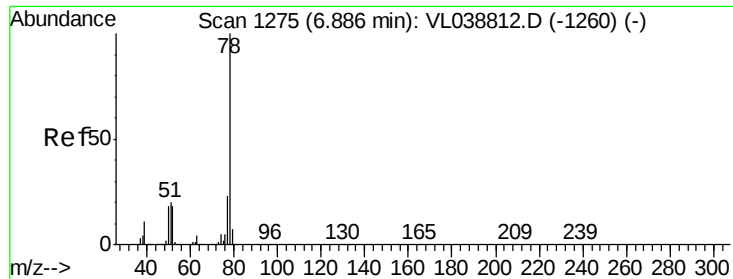
Tgt Ion: 43 Resp: 398107

Ion	Ratio	Lower	Upper
43	100		
72	23.4	16.9	25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

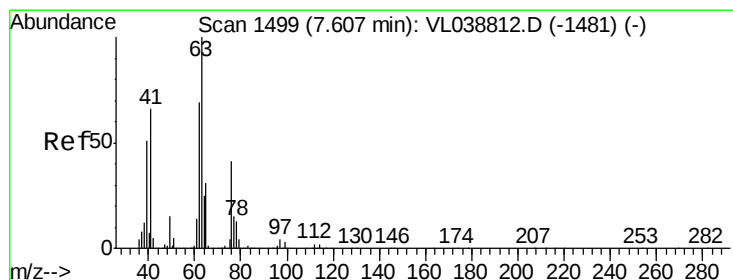
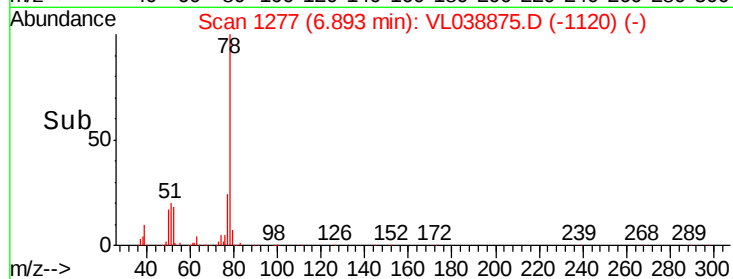
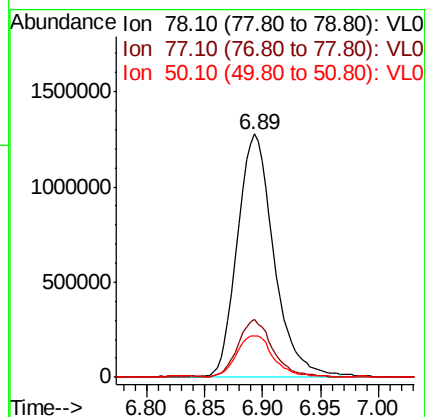
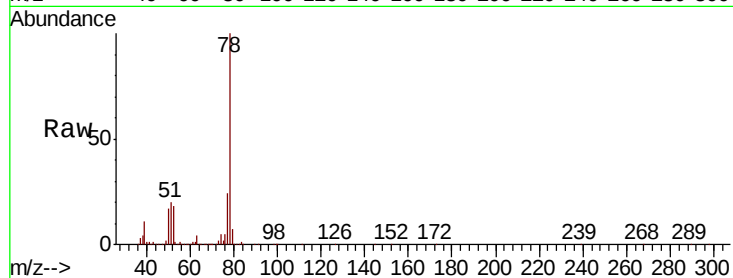




#36
Benzene
Concen: 9.087 ppbv
RT: 6.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 18:21

Tot Ion: 78 Resp: 2789537

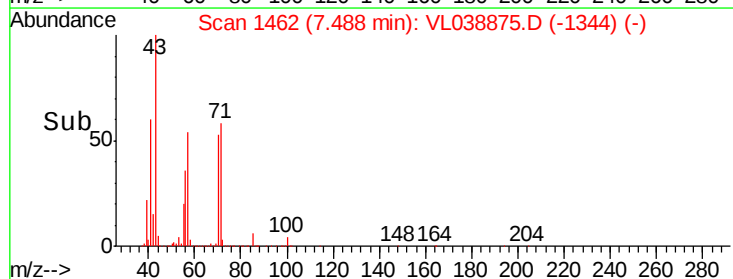
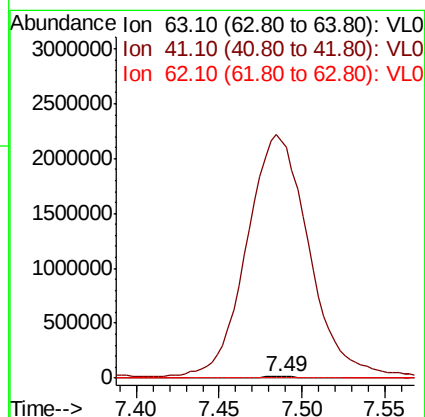
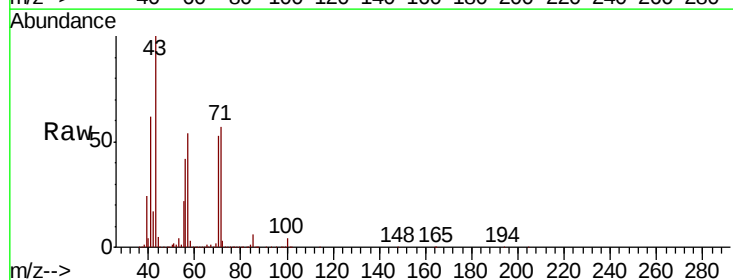
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2
50	16.8	14.0	21.0

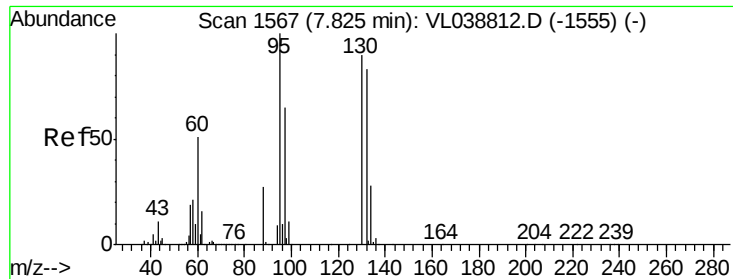


#39
1,2-Dichloropropane
Concen: 0.240 ppbv
RT: 7.49 min Scan# 1462
Delta R.T. -0.12 min
Lab File: VL038875.D
Acq: 11 Apr 2022 18:21

Tgt Ion: 63 Resp: 28220

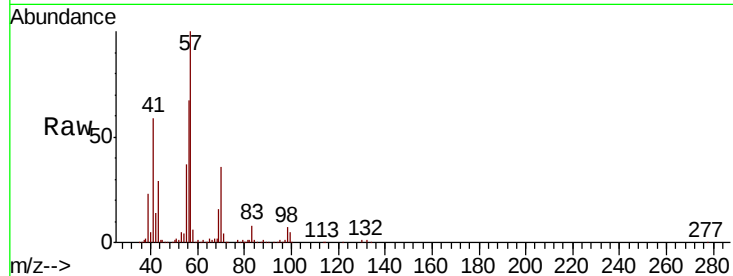
Ion	Ratio	Lower	Upper
63	100		
41	16327.3	53.0	79.6#
62	35.6	55.0	82.4#



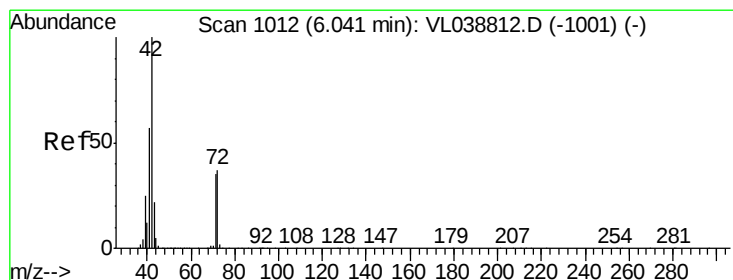
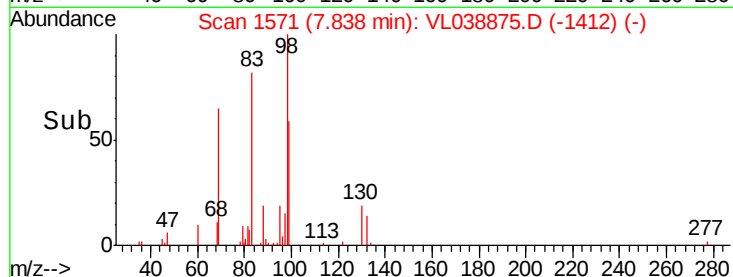
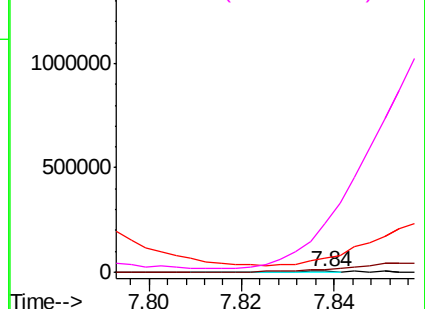


#40
 1,4-Dioxane
 Concen: 0.088 ppbv
 RT: 7.84
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

Tot Ion:	88	Resp:	3509
Ion	Ratio	Lower	Upper
88	100		
58	0.0	49.4	74.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

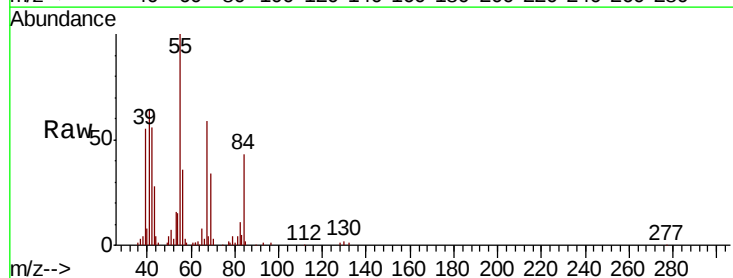


Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0

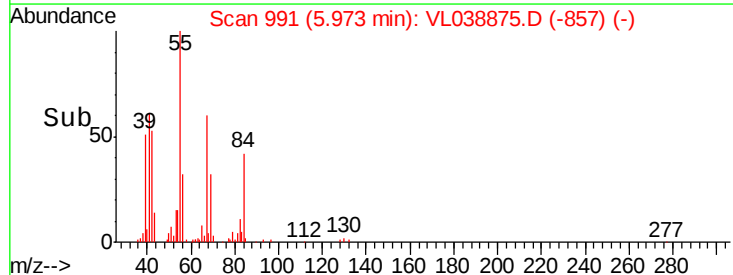
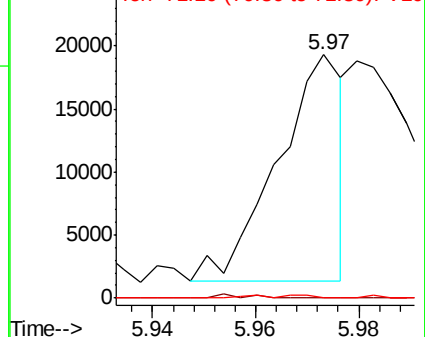


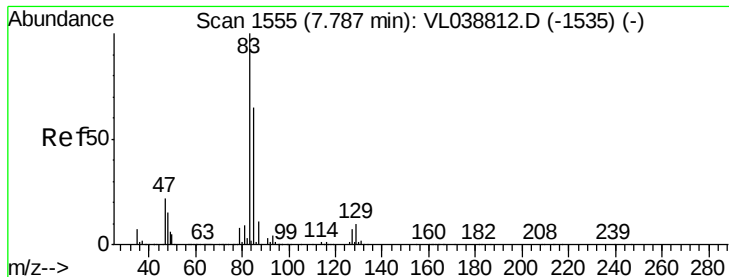
#41
 Tetrahydrofuran
 Concen: 0.125 ppbv
 RT: 5.97 min Scan# 991
 Delta R.T. -0.07 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

Tgt Ion:	42	Resp:	15865
Ion	Ratio	Lower	Upper
42	100		
72	69.9	31.4	47.0#
71	55.6	30.2	45.4#



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





#42

Bromodichloromethane

Concen: 0.810 ppbv

RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 18:21

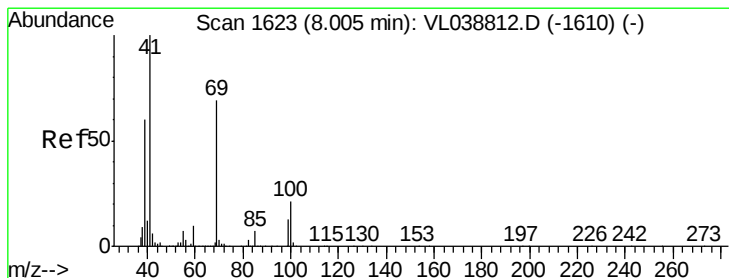
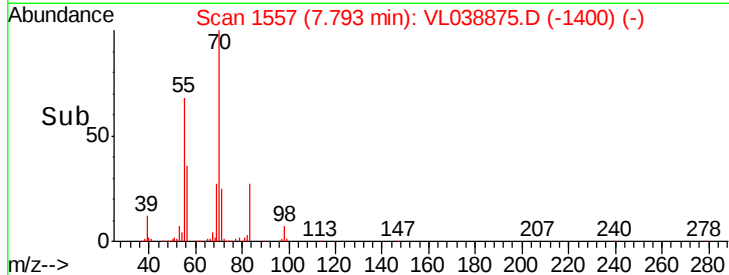
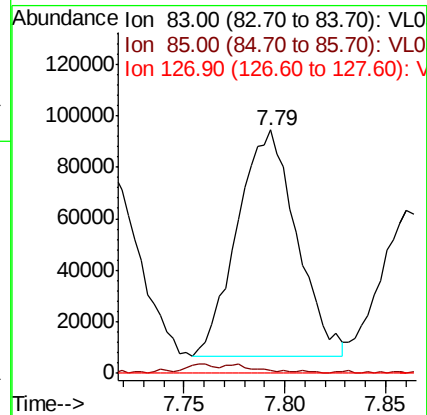
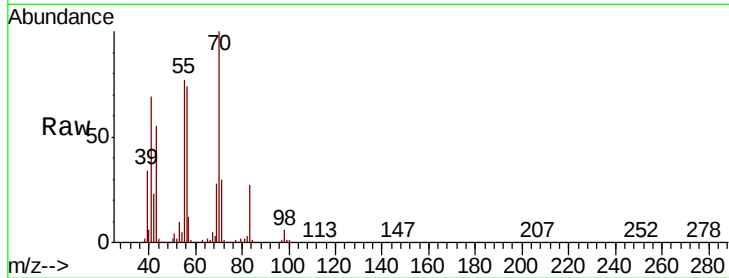
Tot Ion: 83 Resp: 179520

Ion Ratio Lower Upper

83 100

85 0.4 51.7 77.5#

127 0.0 5.9 8.9#



#43

Methyl Methacrylate

Concen: 0.167 ppbv

RT: 7.98 min Scan# 1615

Delta R.T. -0.03 min

Lab File: VL038875.D

Acq: 11 Apr 2022 18:21

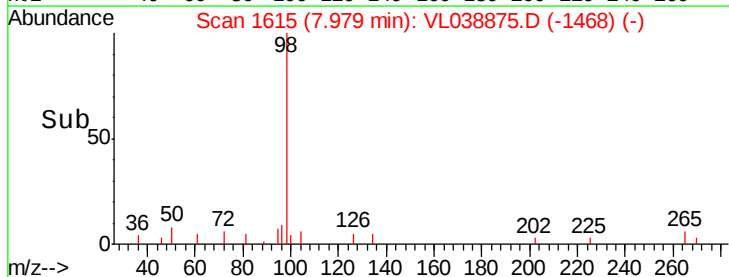
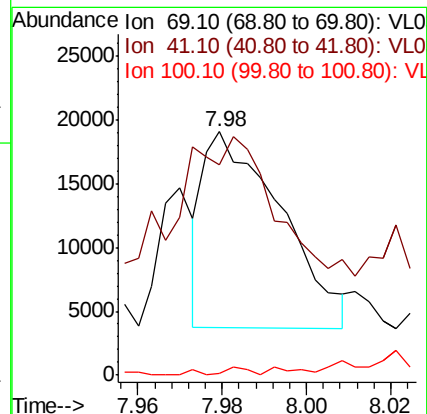
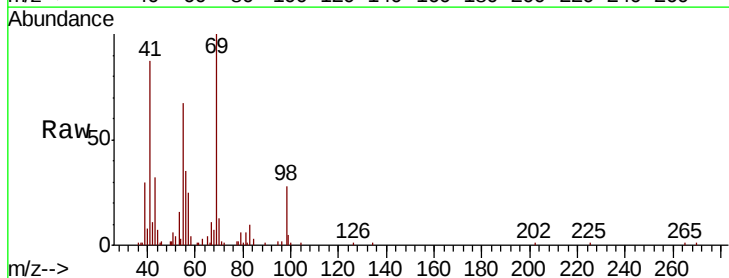
Tgt Ion: 69 Resp: 19632

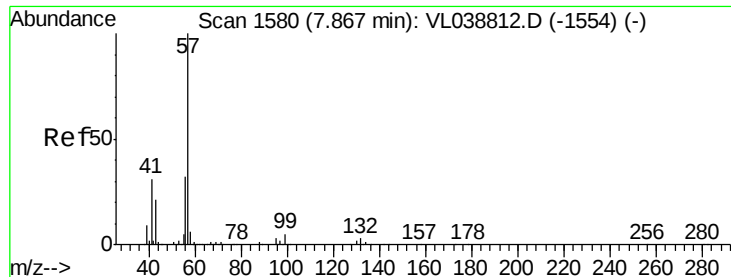
Ion Ratio Lower Upper

69 100

41 0.0 119.0 178.4#

100 0.0 26.4 39.6#





#44

2,2,4-Trimethylpentane

Concen: 5.903 ppbv

RT: 7.87 Instrument:

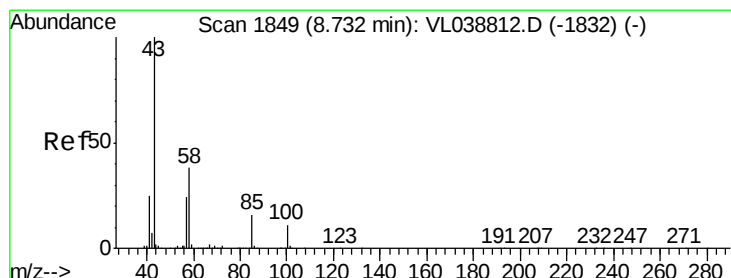
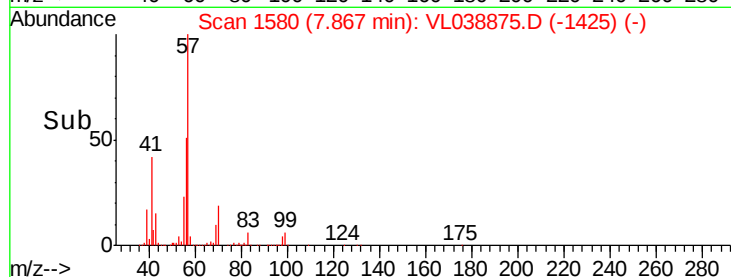
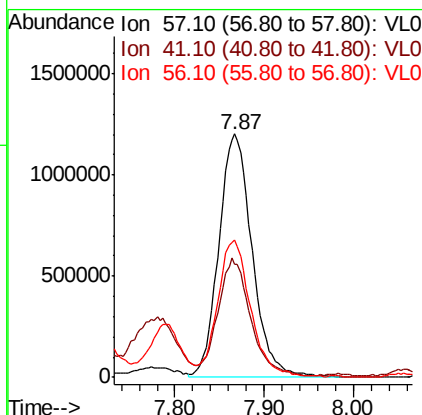
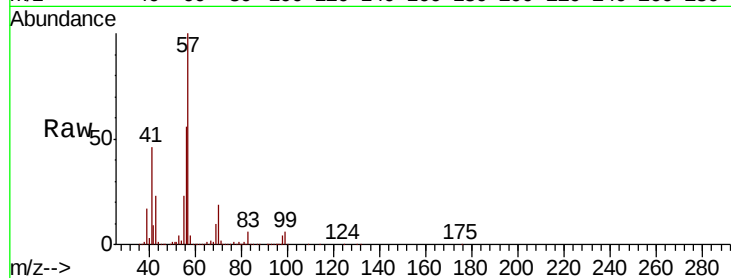
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 18:21

Tot Ion: 57 Resp: 3067717

Ion	Ratio	Lower	Upper
57	100		
41	46.8	25.0	37.4#
56	57.1	25.3	37.9#



#50

4-Methyl-2-Pentanone

Concen: 1.942 ppbv

RT: 8.74 min Scan# 1852

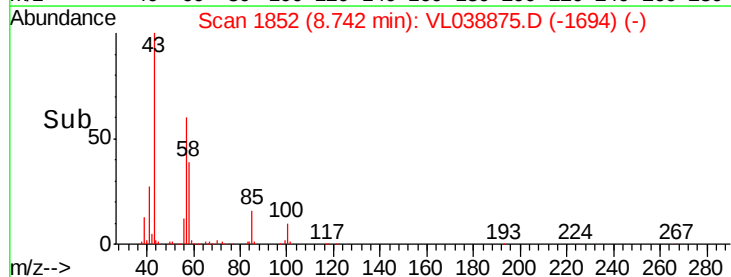
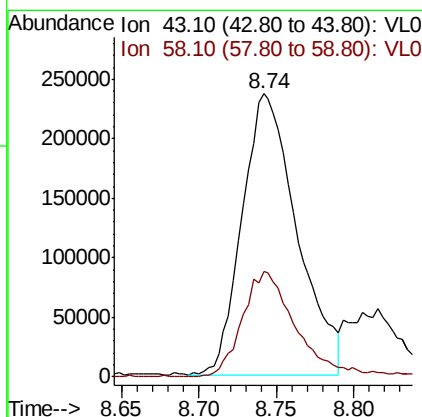
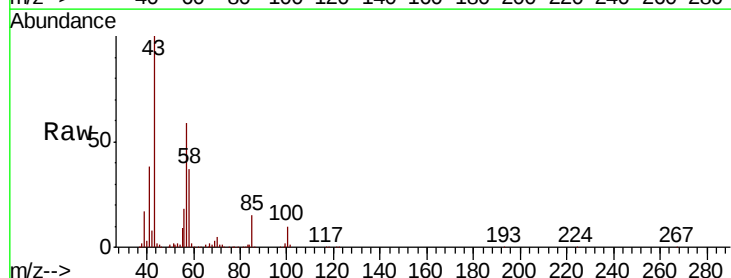
Delta R.T. 0.01 min

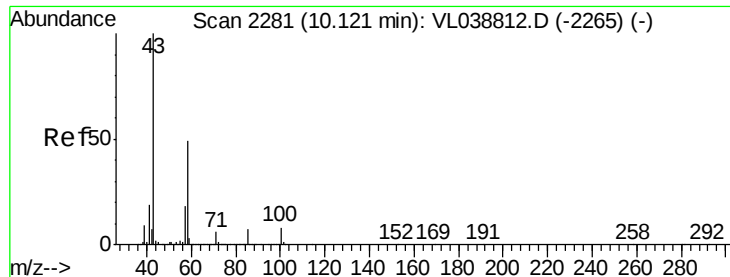
Lab File: VL038875.D

Acq: 11 Apr 2022 18:21

Tgt Ion: 43 Resp: 582350

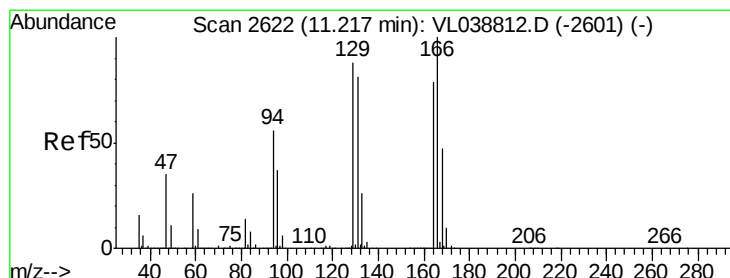
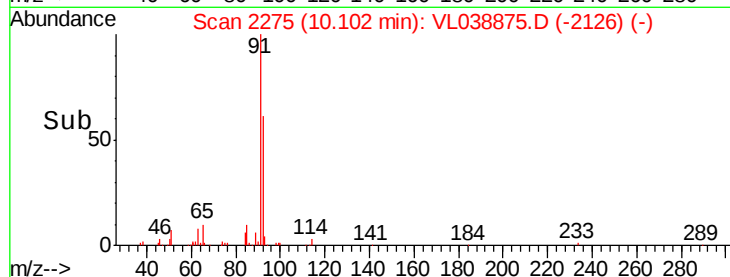
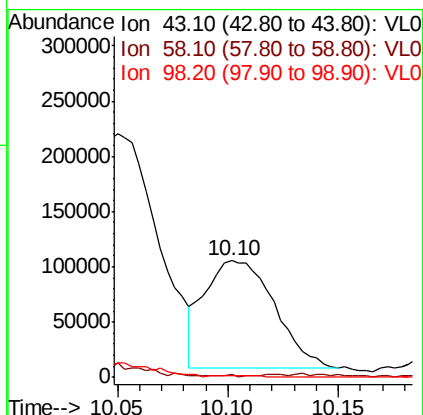
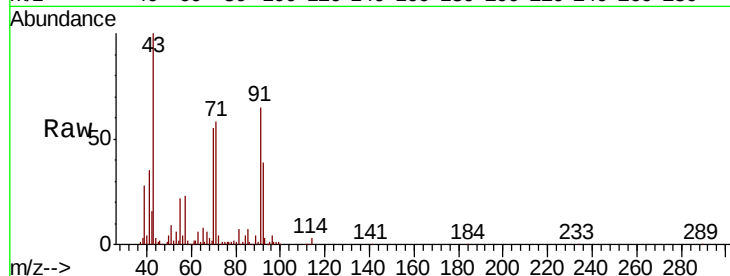
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.0	43.6





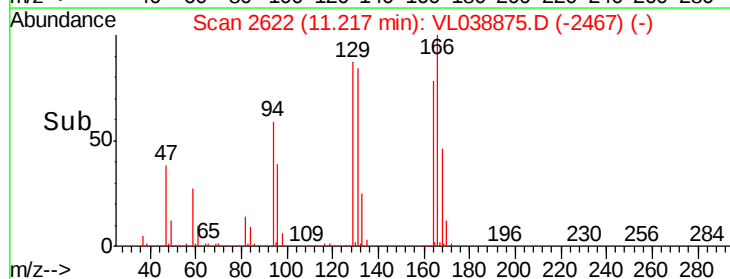
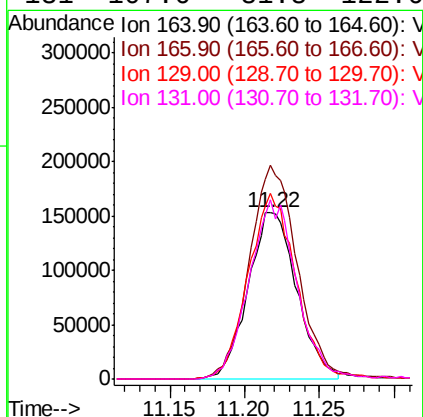
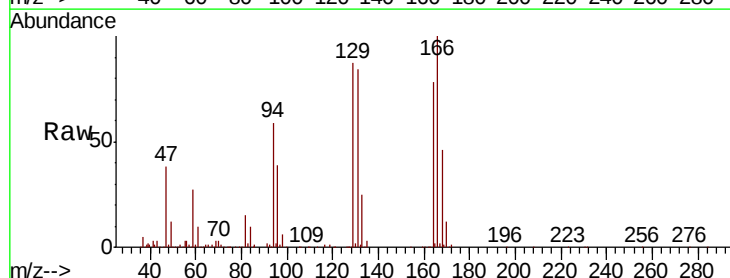
#51
2-Hexanone
Concen: 0.944 ppbv
RT: 10.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 18:21

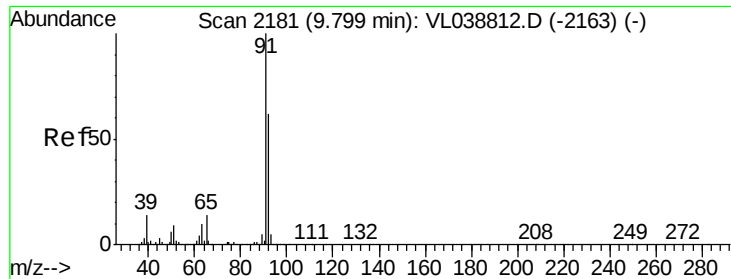
Tot Ion	Ratio	Lower	Upper
43	100		
58	1.4	41.4	62.0#
98	0.0	0.1	0.1#



#52
Tetrachloroethene
Concen: 3.219 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL038875.D
Acq: 11 Apr 2022 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.0	151.6
129	112.0	88.7	133.1
131	107.6	81.8	122.6





#53

Toluene

Concen: 83.280 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

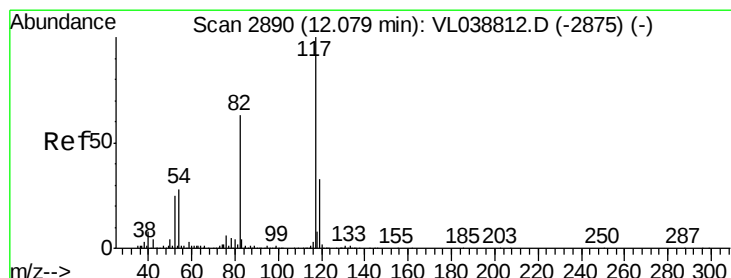
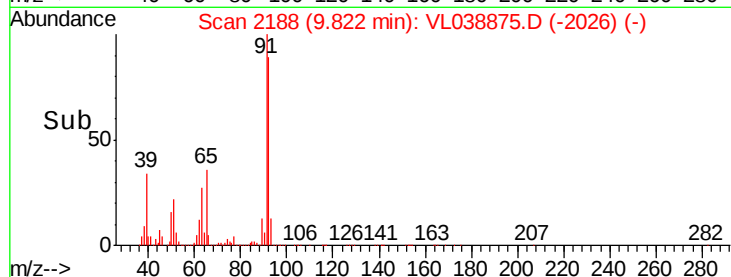
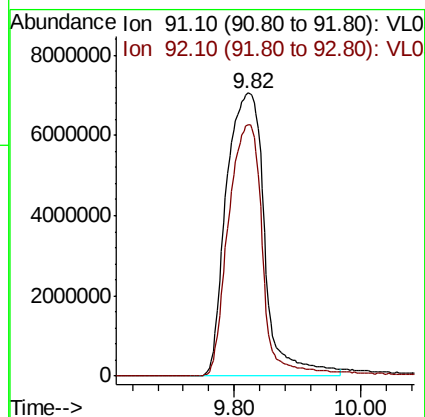
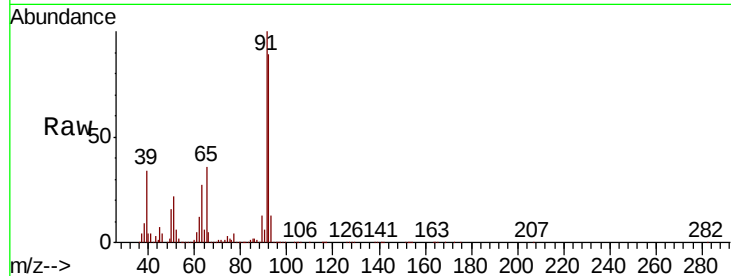
Acq: 11 Apr 2022 18:21

Tot Ion: 91 Resp: 29510915

Ion Ratio Lower Upper

91 100

92 0.0 49.2 73.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VL038875.D

Acq: 11 Apr 2022 18:21

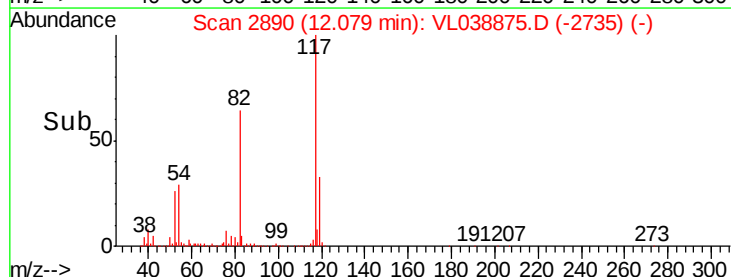
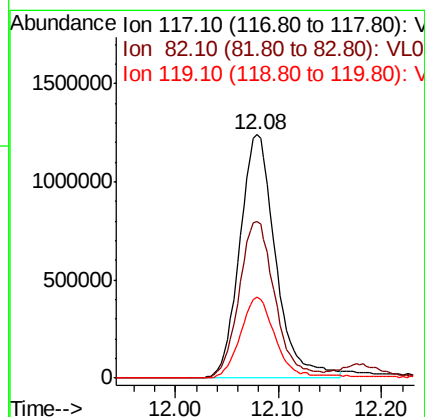
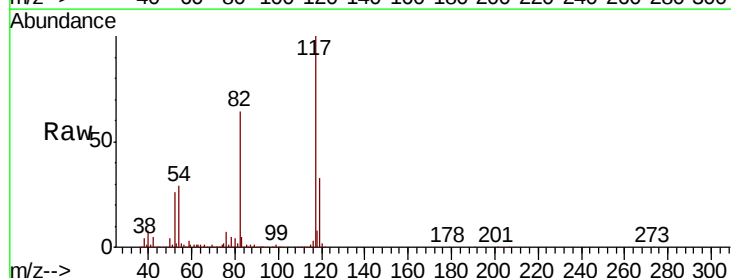
Tgt Ion: 117 Resp: 3001064

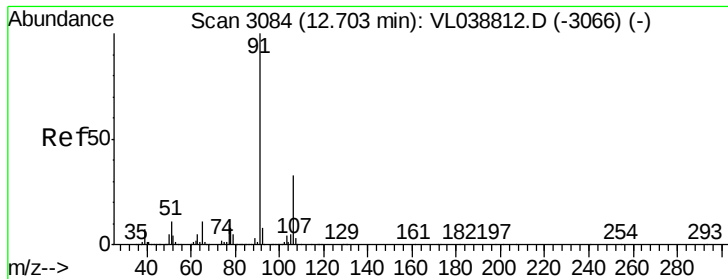
Ion Ratio Lower Upper

117 100

82 64.9 53.0 79.6

119 33.8 24.9 37.3





#58

Ethyl Benzene

Concen: 7.068 ppbv

RT: 12.70 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

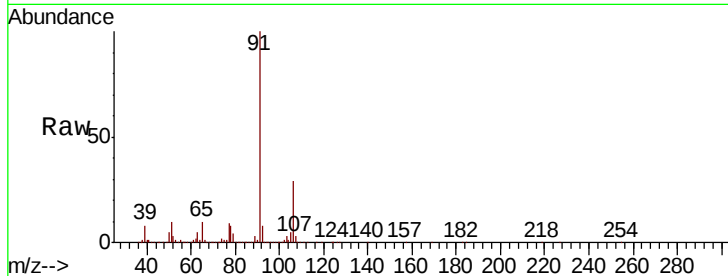
Acq: 11 Apr 2022 18:21

Tot Ion: 91 Resp: 3169404

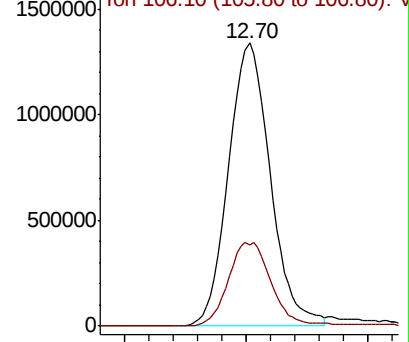
Ion Ratio Lower Upper

91 100

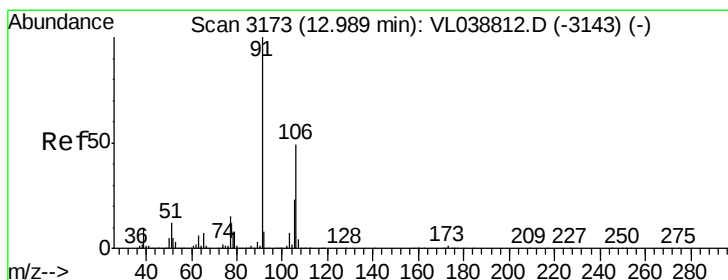
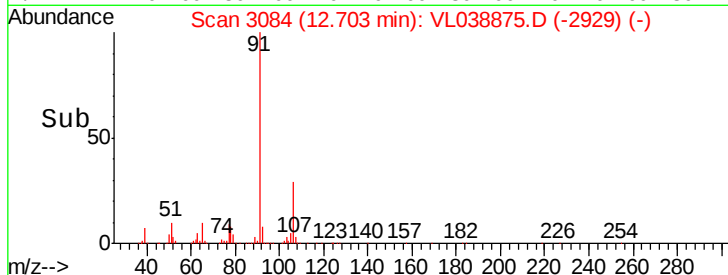
106 28.9 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL038812.D (-3066) (-)



Time-->



#59

m/p-Xylene

Concen: 20.799 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.03 min

Lab File: VL038875.D

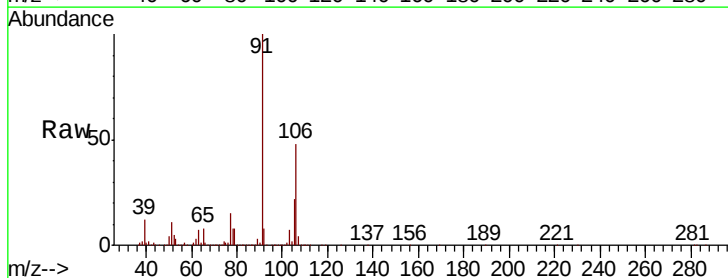
Acq: 11 Apr 2022 18:21

Tgt Ion: 91 Resp: 7836121

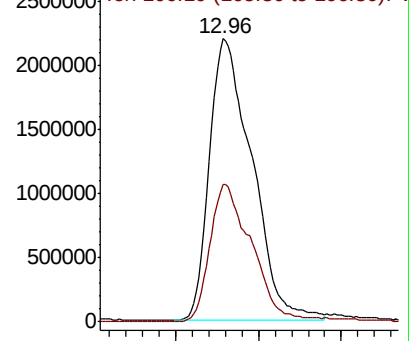
Ion Ratio Lower Upper

91 100

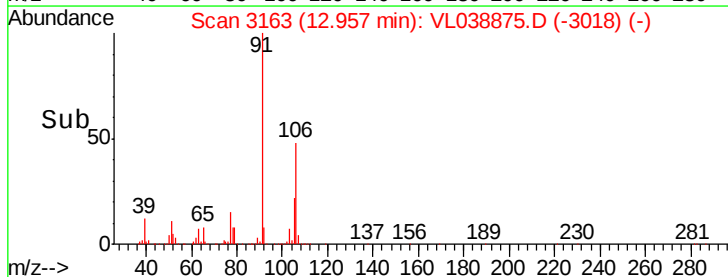
106 48.9 37.1 55.7

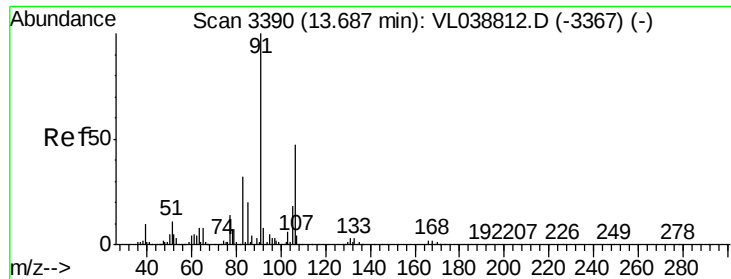


Abundance Ion 91.10 (90.80 to 91.80): VL038812.D (-3143) (-)



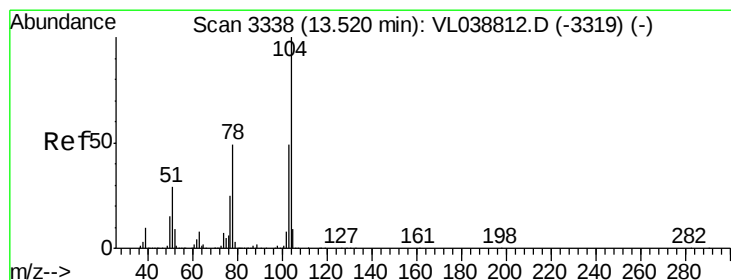
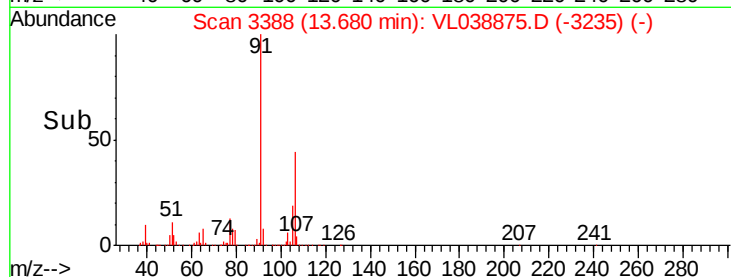
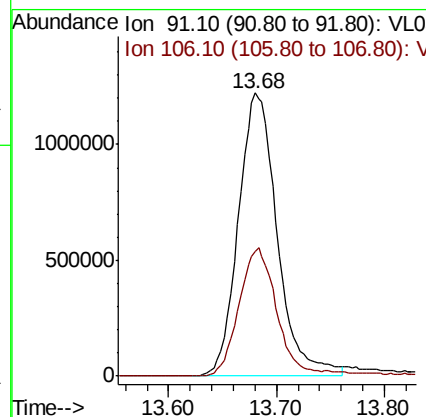
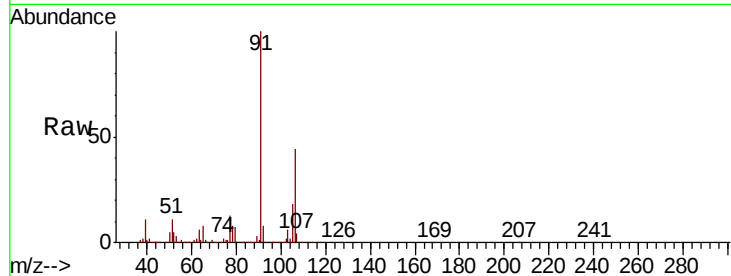
Time-->





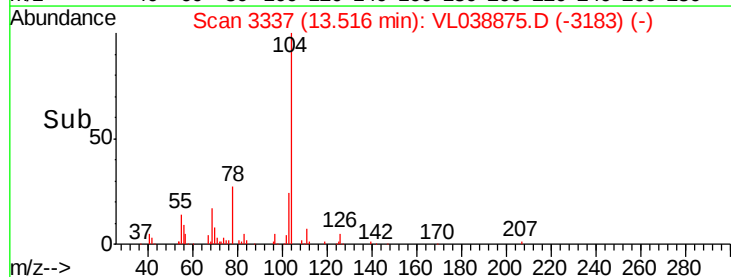
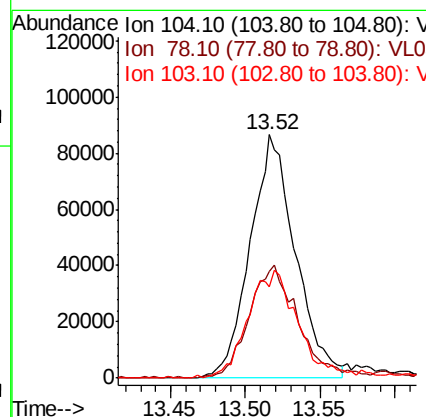
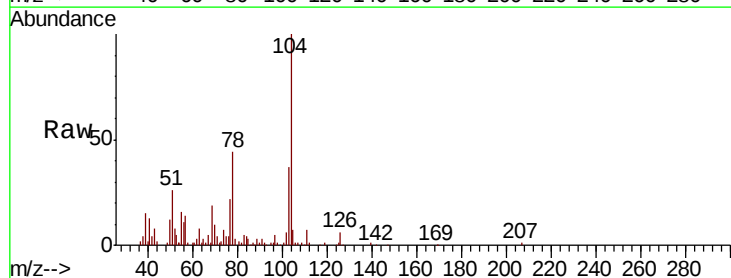
#60
o-Xylene
Concen: 8.623 ppbv
RT: 13.68 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 18:21

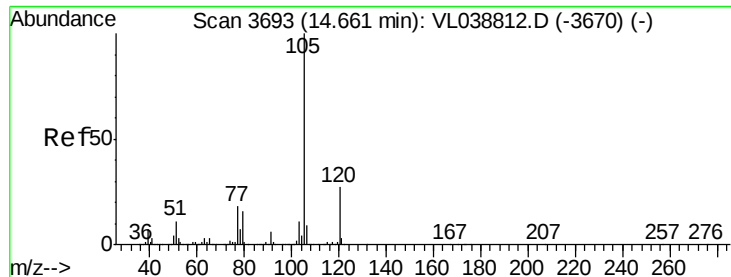
Tot Ion: 91 Resp: 3040012
Ion Ratio Lower Upper
91 100
106 46.1 23.8 71.4



#61
Styrene
Concen: 0.848 ppbv
RT: 13.52 min Scan# 3337
Delta R.T.: -0.00 min
Lab File: VL038875.D
Acq: 11 Apr 2022 18:21

Tgt Ion: 104 Resp: 182171
Ion Ratio Lower Upper
104 100
78 51.7 40.5 60.7
103 50.0 39.0 58.4





#62

Isopropylbenzene

Concen: 0.480 ppbv

RT: 14.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

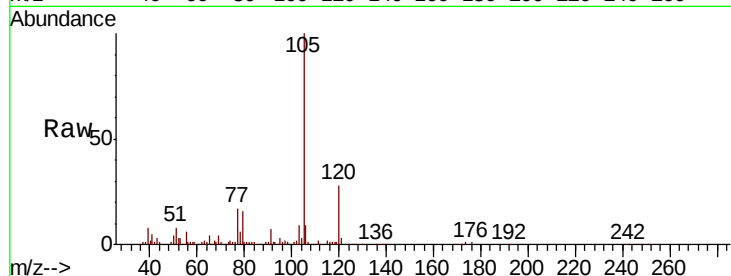
Acq: 11 Apr 2022 18:21

Tot Ion:105 Resp: 253911

Ion Ratio Lower Upper

105 100

120 24.9 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.66

120000

100000

80000

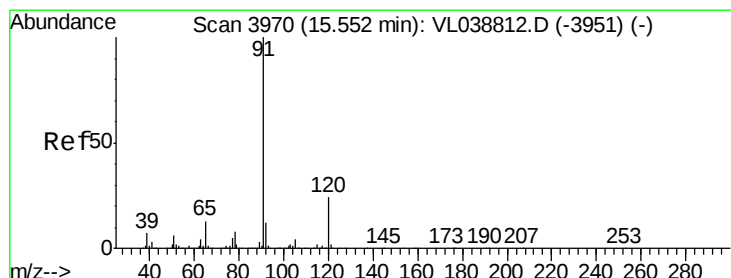
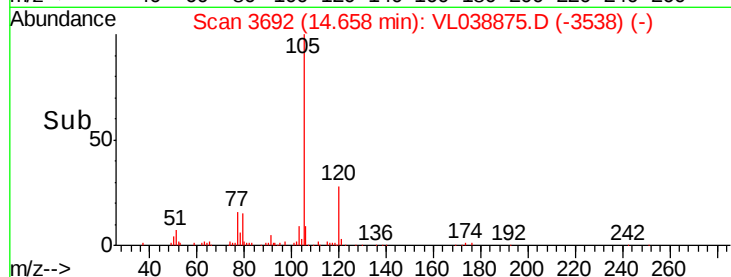
60000

40000

20000

0

Time--> 14.55 14.60 14.65 14.70



#64

n-propylbenzene

Concen: 1.582 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038875.D

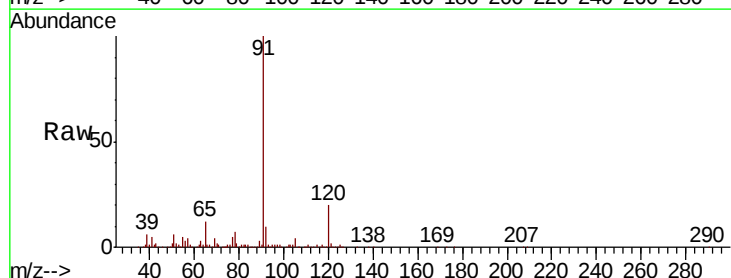
Acq: 11 Apr 2022 18:21

Tgt Ion:120 Resp: 217416

Ion Ratio Lower Upper

120 100

91 509.5 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

500000

400000

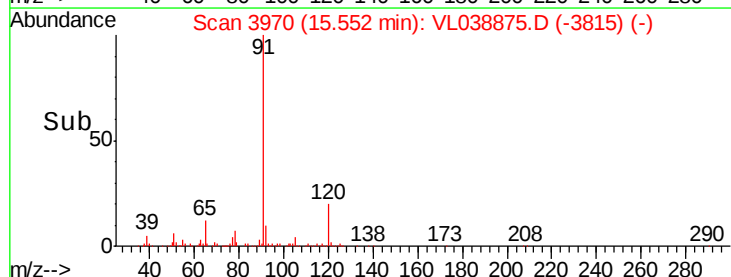
300000

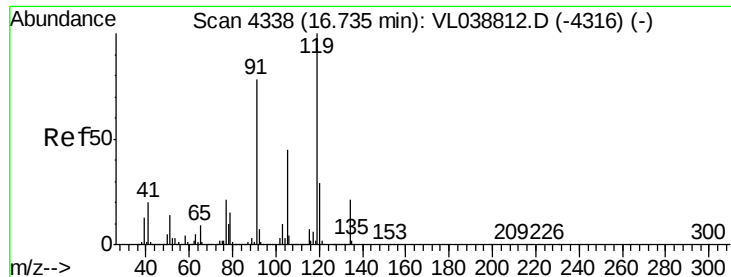
200000

100000

0

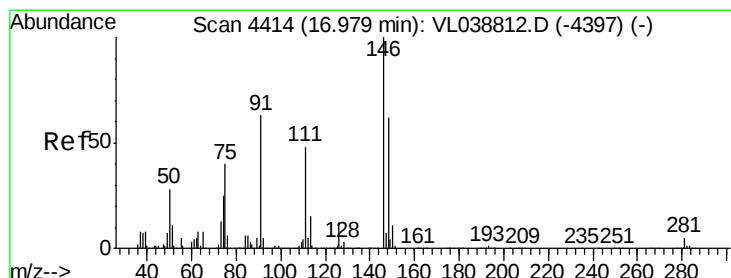
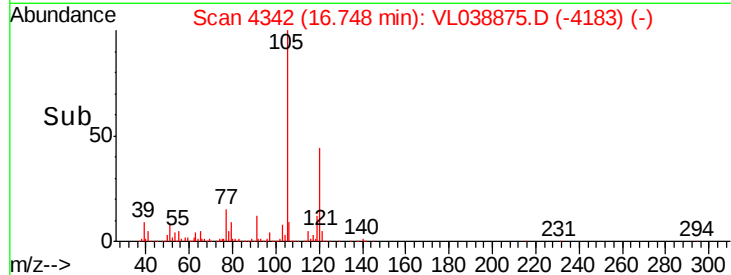
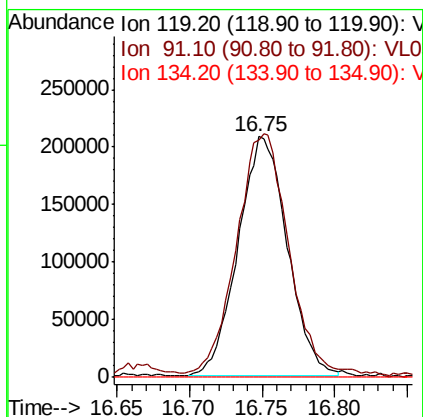
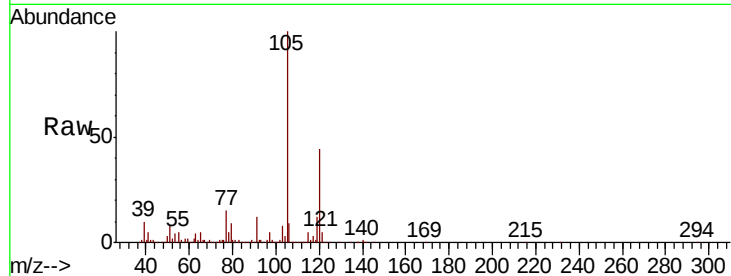
Time--> 15.45 15.50 15.55 15.60





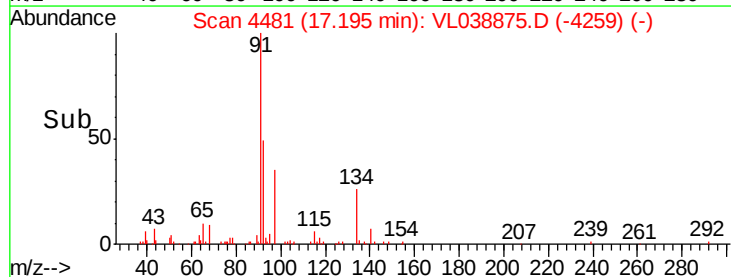
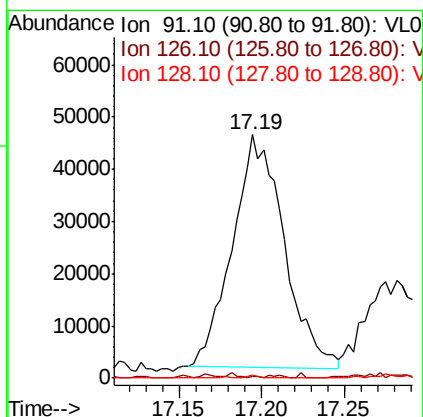
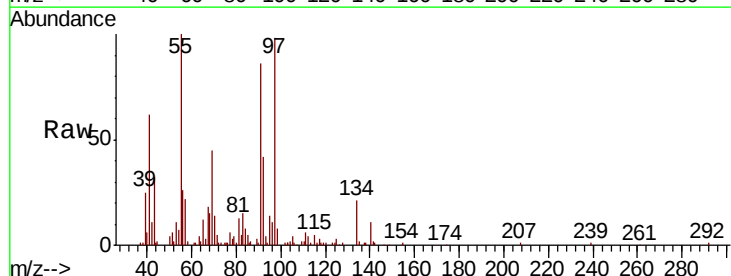
#65
 tert-Butylbenzene
 Concen: 1.045 ppbv
 RT: 16.75 min
 Delta R.T. 0.22 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

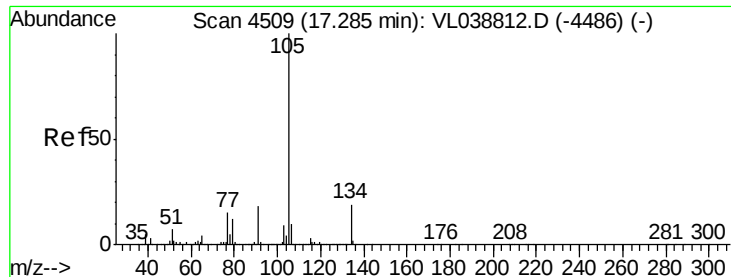
Tot Ion: 119 Resp: 490545
 Ion Ratio Lower Upper
 119 100
 91 110.5 62.8 94.2#
 134 0.1 16.2 24.4#



#66
 Benzyl Chloride
 Concen: 1.009 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.22 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

Tgt Ion: 91 Resp: 96427
 Ion Ratio Lower Upper
 91 100
 126 1.2 15.4 23.0#
 128 0.3 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.359 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

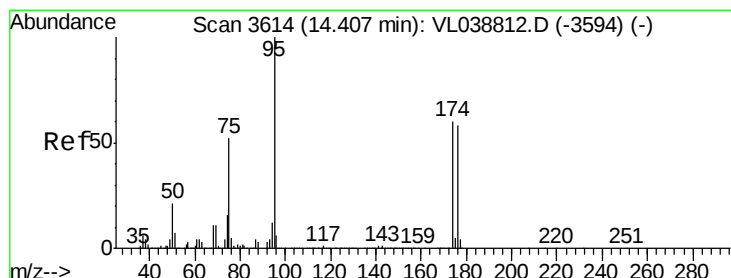
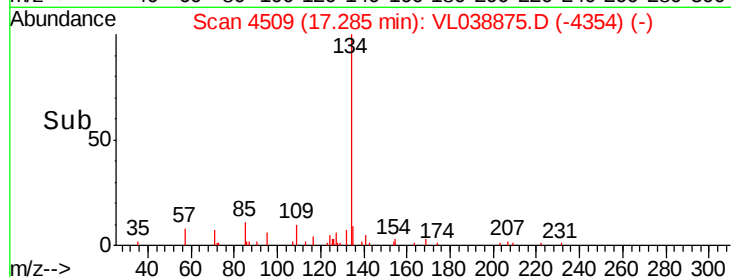
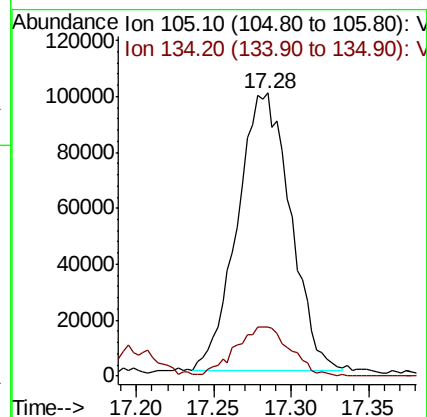
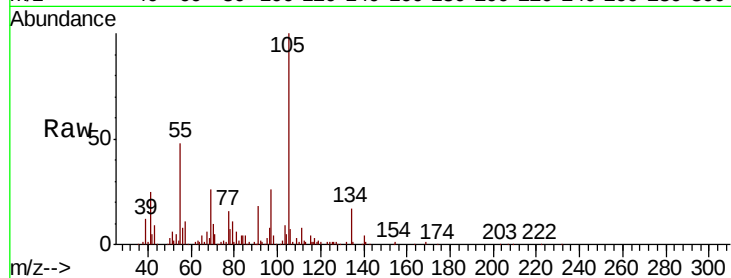
Acq: 11 Apr 2022 18:21

Tot Ion: 105 Resp: 236604

Ion Ratio Lower Upper

105 100

134 18.5 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.204 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL038875.D

Acq: 11 Apr 2022 18:21

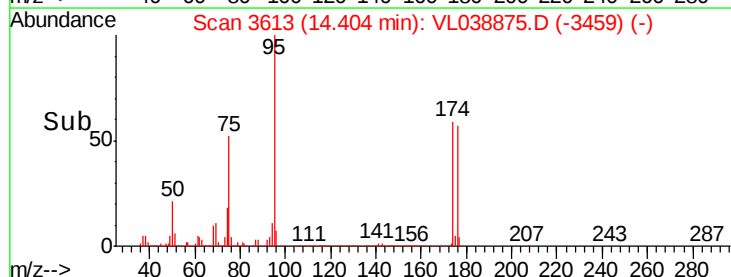
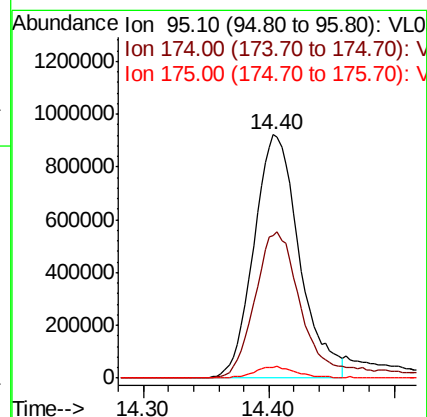
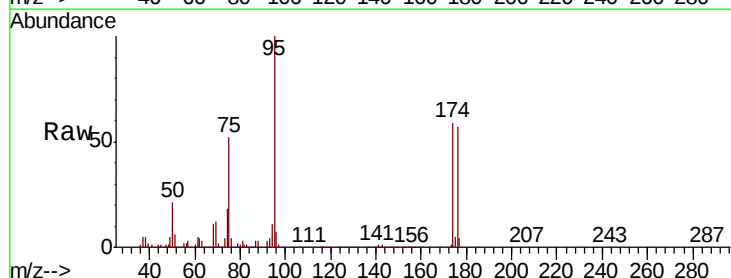
Tgt Ion: 95 Resp: 2322891

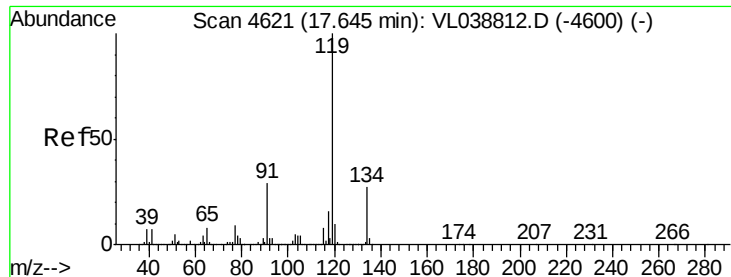
Ion Ratio Lower Upper

95 100

174 66.0 52.0 78.0

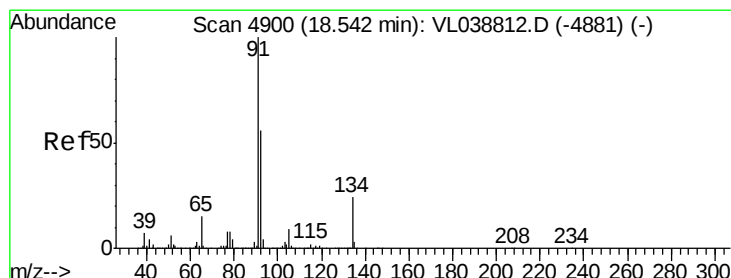
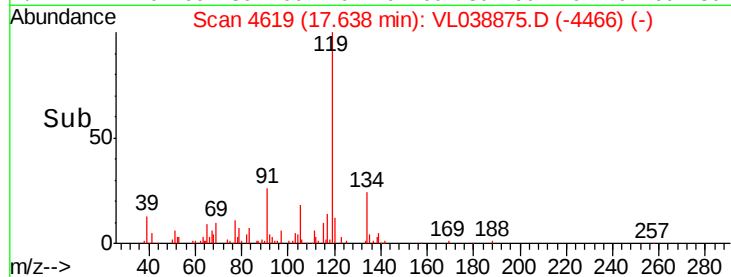
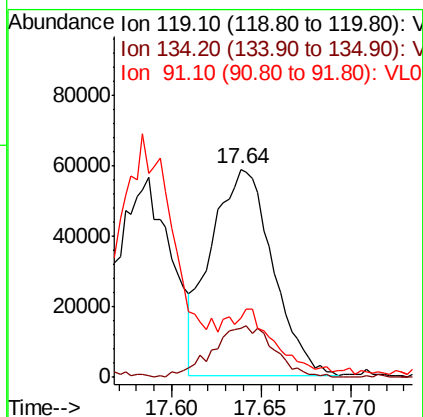
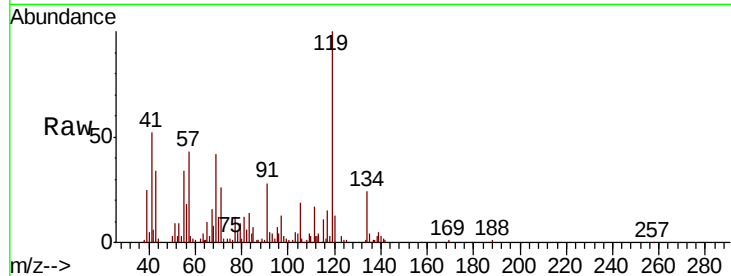
175 4.9 4.0 6.0





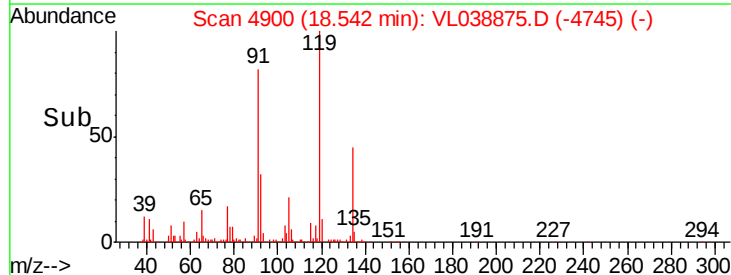
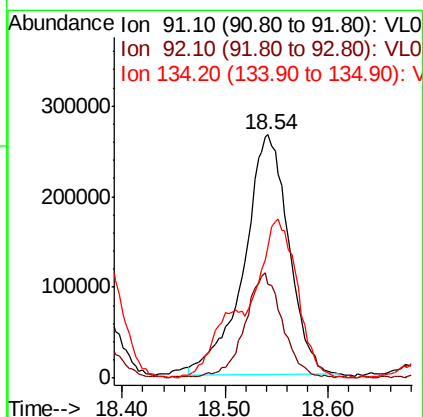
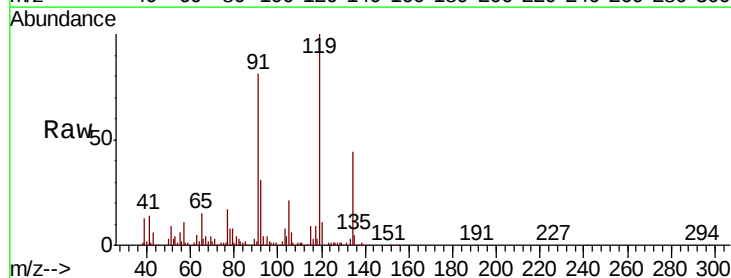
#69
 p-Isopropyltoluene
 Concen: 0.261 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

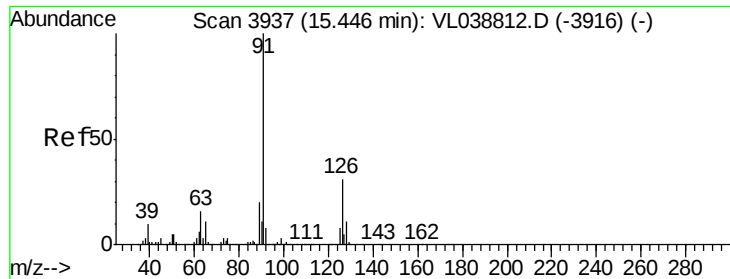
Tot Ion:	119	Resp:	140973
Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.8	31.2
91	24.9	22.6	34.0



#70
 n-Butylbenzene
 Concen: 1.460 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.00 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

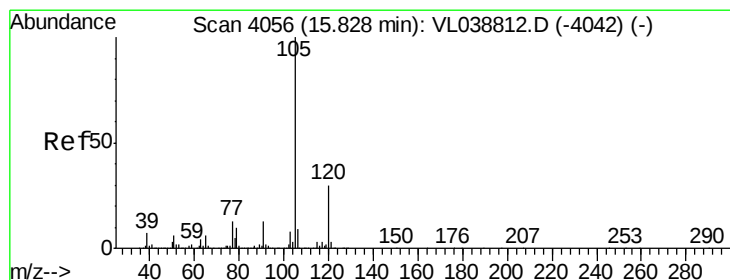
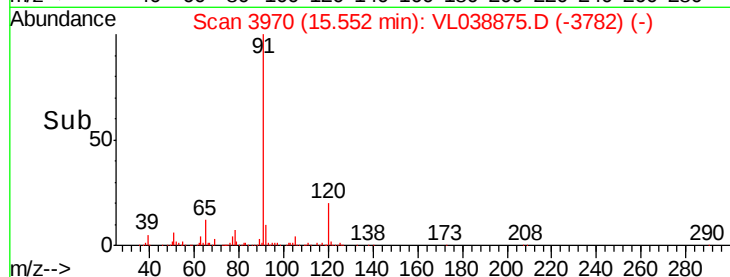
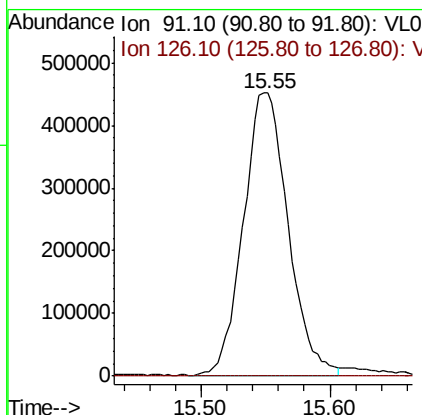
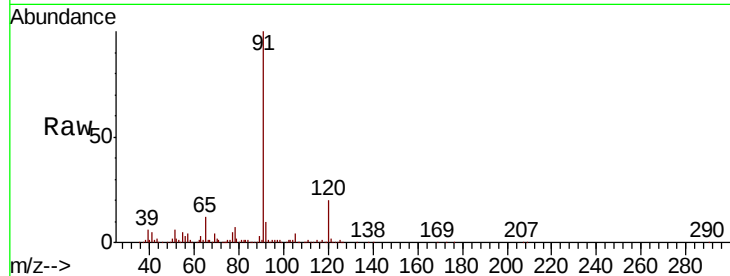
Tgt Ion:	91	Resp:	795468
Ion	Ratio	Lower	Upper
91	100		
92	36.6	44.6	66.8#
134	77.4	19.2	28.8#





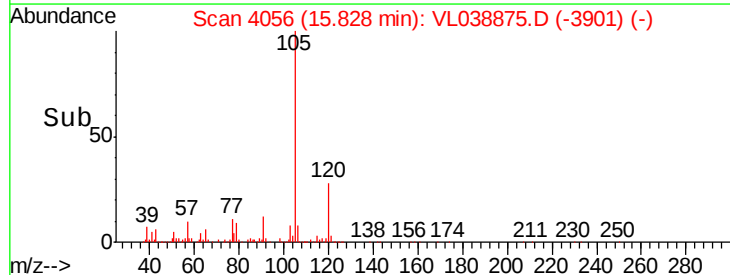
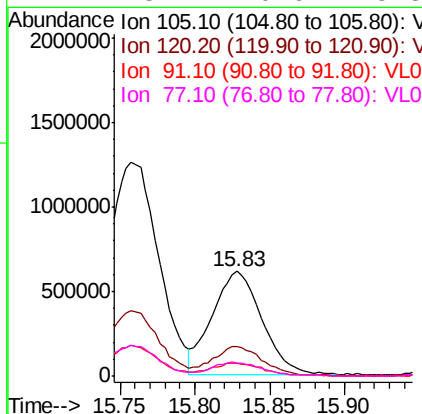
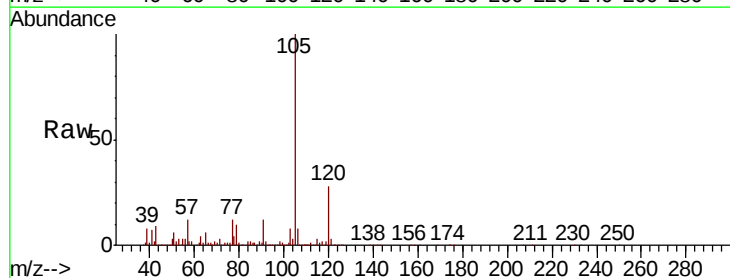
#71
 2-Chlorotoluene
 Concen: 2.726 ppbv
 RT: 15.55 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

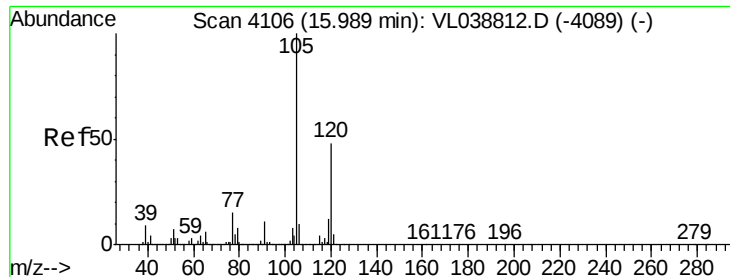
Tot Ion: 91 Resp: 1084675
 Ion Ratio Lower Upper
 91 100
 126 0.3 13.0 51.8#



#72
 4-Ethyltoluene
 Concen: 3.373 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

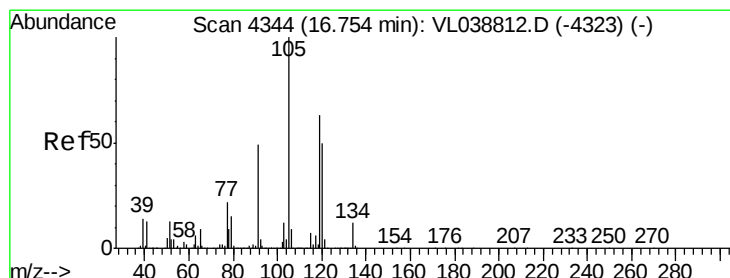
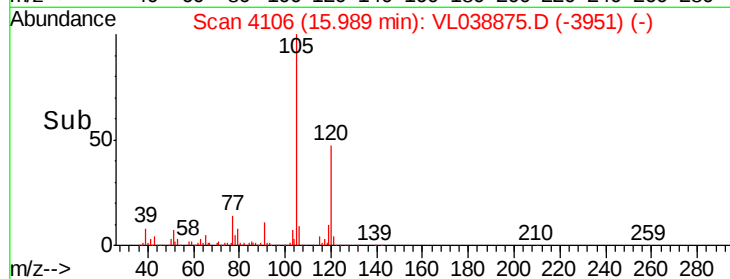
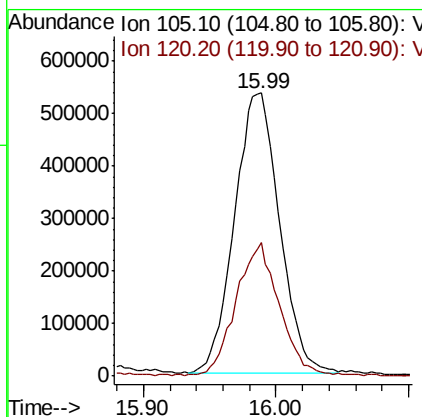
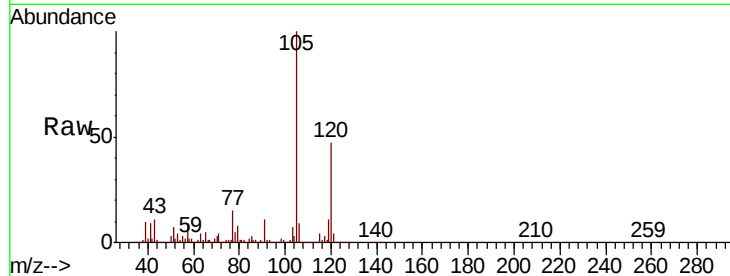
Tgt Ion:105 Resp: 1420039
 Ion Ratio Lower Upper
 105 100
 120 28.7 24.3 36.5
 91 12.3 9.4 14.2
 77 13.2 10.6 15.8





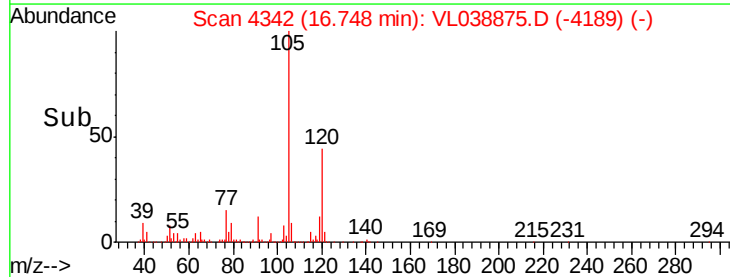
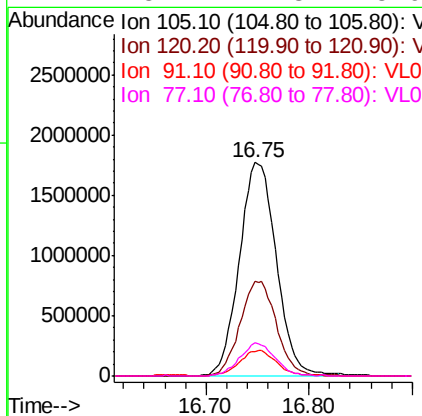
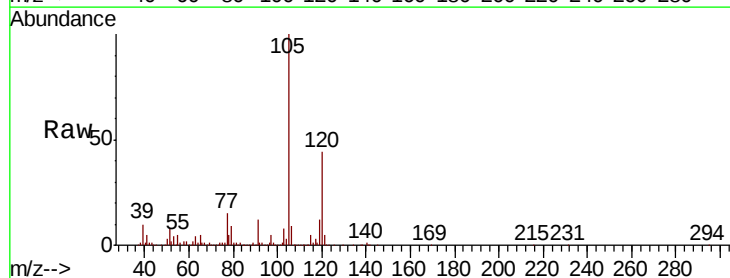
#73
 1,3,5-Trimethylbenzene
 Concen: 3.327 ppbv
 RT: 15.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 18:21

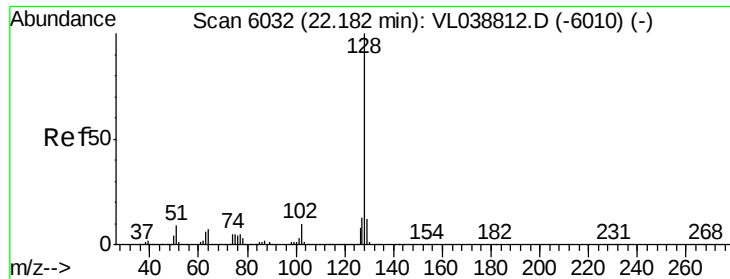
Tot Ion:105 Resp: 1258205
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.7 58.1



#74
 1,2,4-Trimethylbenzene
 Concen: 11.059 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.01 min
 Lab File: VL038875.D
 Acq: 11 Apr 2022 18:21

Tgt Ion:105 Resp: 4420917
 Ion Ratio Lower Upper
 105 100
 120 44.1 39.8 59.8
 91 11.4 39.4 59.0#
 77 15.2 17.3 25.9#





#79

Naphthalene

Concen: 2.287 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 18:21

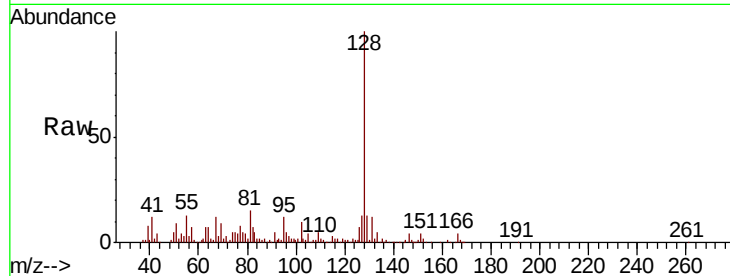
Tot Ion:128 Resp: 683778

Ion Ratio Lower Upper

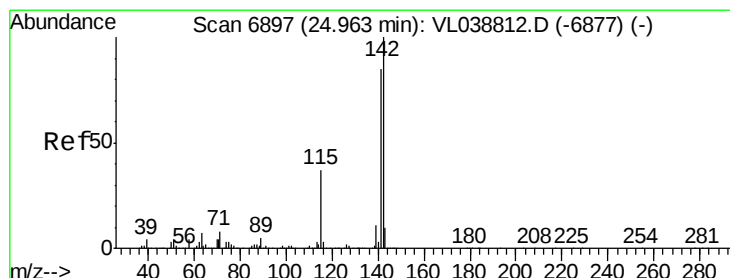
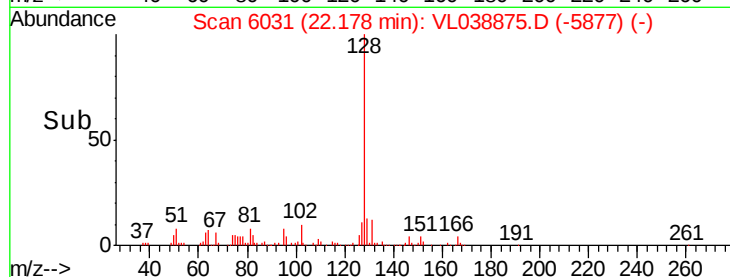
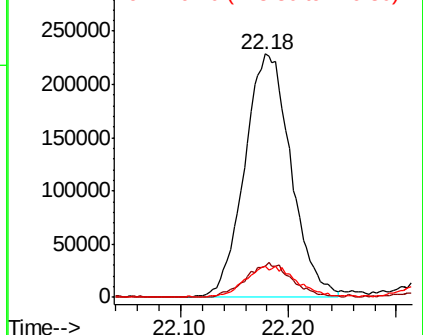
128 100

127 12.6 10.6 15.8

129 12.4 9.4 14.0



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: 0.755 ppbv

RT: 25.28 min Scan# 6995

Delta R.T. 0.31 min

Lab File: VL038875.D

Acq: 11 Apr 2022 18:21

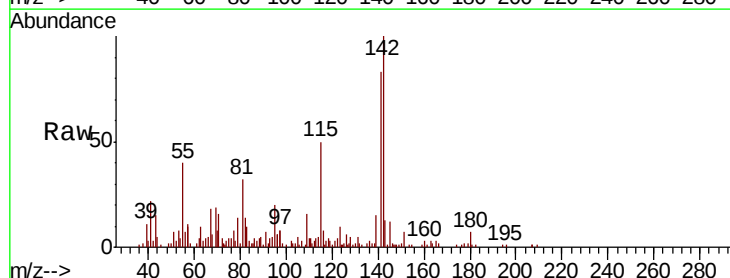
Tgt Ion:142 Resp: 55653

Ion Ratio Lower Upper

142 100

141 86.9 68.8 103.2

115 44.1 31.6 47.4



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

