

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038874.D
 Acq On : 11 Apr 2022 17:40
 Operator : SY/AP
 Sample : N2332-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-1

Quant Time: Apr 12 02:49:01 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	1209767	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3197035	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2936588	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2502621	11.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	105554	0.615	ppbv	99
3) Chlorodifluoromethane	2.99	51	61952	0.420	ppbv #	87
4) Chloromethane	3.14	50	33875	0.443	ppbv #	83
9) Propene	3.01	41	2194925	28.099	ppbv	93
10) Heptane	8.12	43	8565000	43.530	ppbv	94
11) Trichlorofluoromethane	3.95	101	31997	0.232	ppbv	86
13) Ethanol	3.61	45	2603469	548.432	ppbv #	100
15) Acetone	3.85	43	32960273	273.658	ppbv #	62
16) 1,3-Butadiene	3.30	39	613085	8.904	ppbv #	33
17) tert-Butyl alcohol	4.31	59	34646	0.321	ppbv #	1
19) Isopropyl Alcohol	3.98	45	249625	4.055	ppbv #	100
20) Methylene Chloride	4.35	84	181160	4.147	ppbv	93
21) Allyl Chloride	4.37	41	159986	1.774	ppbv #	39
23) Vinyl Acetate	5.05	43	750647	6.400	ppbv #	1
25) Ethyl Acetate	5.67	43	7935523	25.966	ppbv #	93
26) Hexane	5.68	57	1755786	12.622	ppbv #	15
30) Cyclohexane	7.13	84	758729	6.189	ppbv	97
31) cis-1,2-Dichloroethene	5.67	61	938292	7.336	ppbv #	23
34) 2-Butanone	5.25	43	374553	2.965	ppbv #	91
36) Benzene	6.89	78	2772598	9.533	ppbv	98
39) 1,2-Dichloropropane	7.48	63	12749	0.115	ppbv #	1
40) 1,4-Dioxane	7.83	88	1641	0.043	ppbv #	20
41) Tetrahydrofuran	5.98	42	36526	0.304	ppbv #	76
42) Bromodichloromethane	7.80	83	85947	0.409	ppbv #	24
43) Methyl Methacrylate	7.98	69	31694	0.285	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	3035141	6.164	ppbv #	60
50) 4-Methyl-2-Pentanone	8.74	43	565747	1.991	ppbv	97
51) 2-Hexanone	10.10	43	129843	0.606	ppbv #	32
52) Tetrachloroethene	11.22	164	340948	3.356	ppbv	92
53) Toluene	9.83	91	29207428	86.994	ppbv #	74
58) Ethyl Benzene	12.70	91	3277127	7.468	ppbv	93
59) m/p-Xylene	12.96	91	7991309	21.677	ppbv	99
60) o-Xylene	13.68	91	3152798	9.139	ppbv	94
61) Styrene	13.52	104	187933	0.894	ppbv	96
62) Isopropylbenzene	14.66	105	256616	0.496	ppbv	96
64) n-propylbenzene	15.55	120	225508	1.677	ppbv	81
65) tert-Butylbenzene	16.75	119	481076	1.047	ppbv #	59
66) Benzyl Chloride	17.20	91	65967	0.705	ppbv #	65
67) sec-Butylbenzene	17.28	105	236003	0.366	ppbv	98
69) p-Isopropyltoluene	17.53	119	303962	0.574	ppbv	99
70) n-Butylbenzene	18.54	91	808286	1.516	ppbv #	52

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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

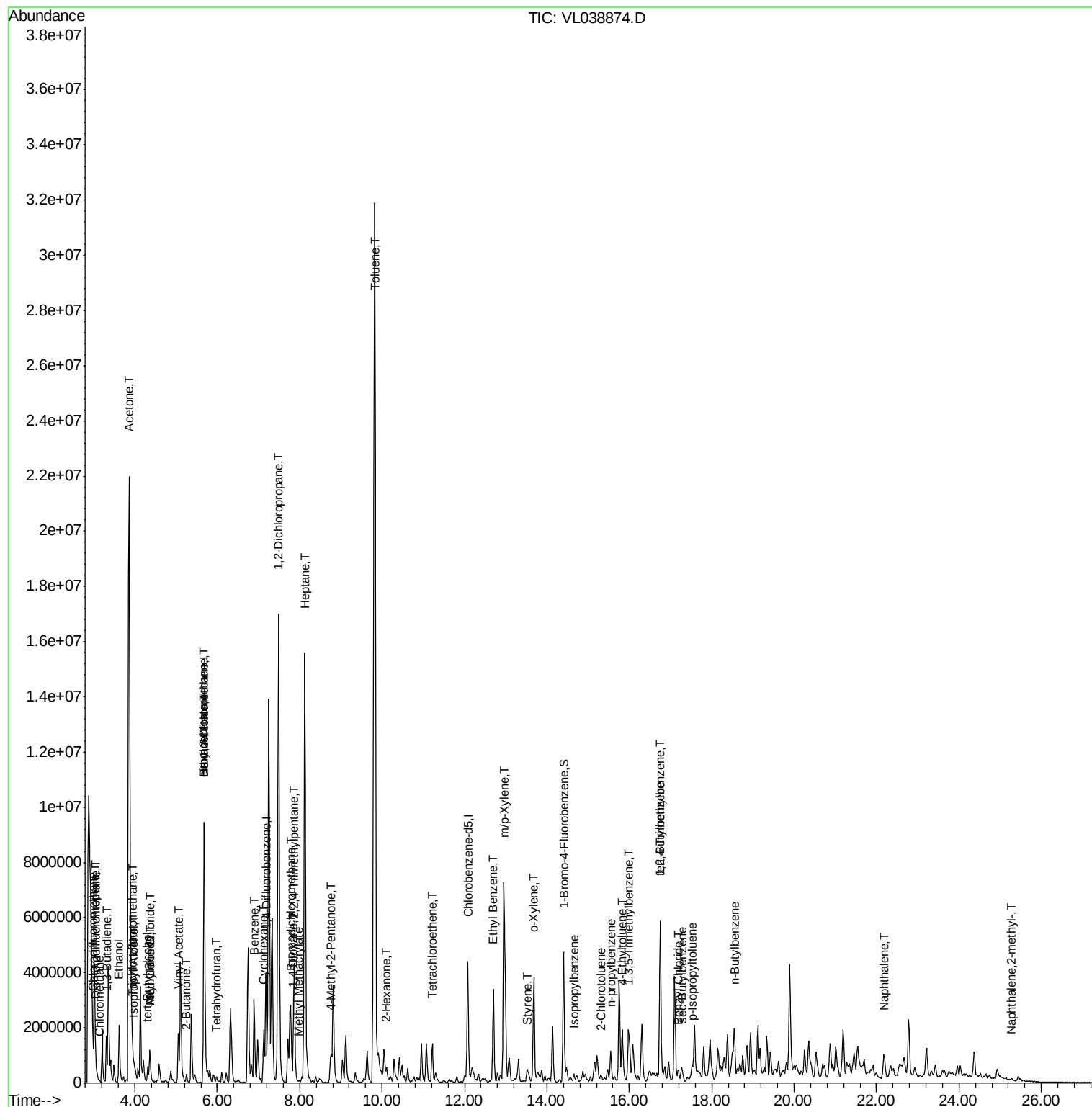
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.30	91	12792	0.033	ppbv	78
72) 4-Ethyltoluene	15.83	105	1379235	3.348	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	1285979	3.475	ppbv	92
74) 1,2,4-Trimethylbenzene	16.75	105	4411048	11.276	ppbv #	71
79) Naphthalene	22.18	128	647114	2.211	ppbv	100
80) Naphthalene,2-methyl-	25.28	142	47345	0.657	ppbv	96

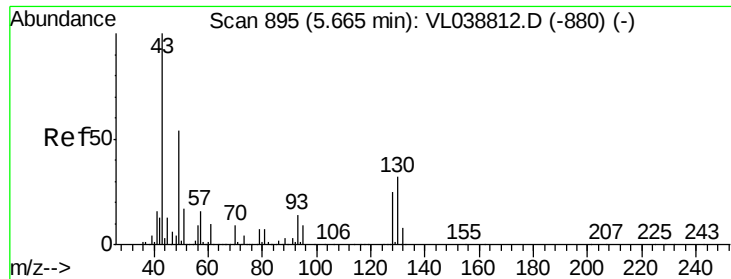
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041122\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

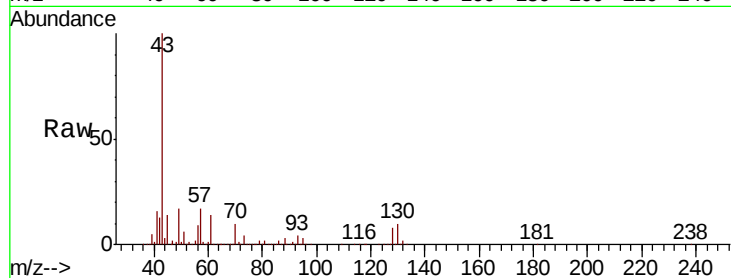
Delta R.T. ClientSampleId:

Lab File: A-1

Acq: 11 Apr 2022 17:40

Tot Ion: 49 Resp: 1209767

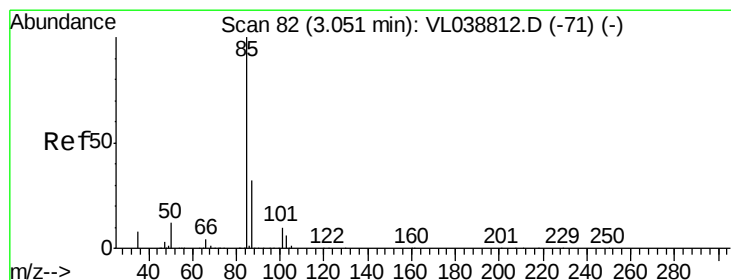
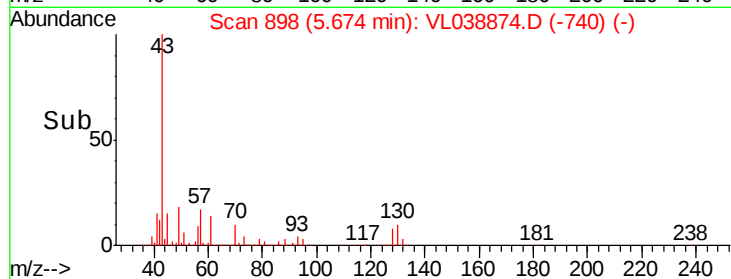
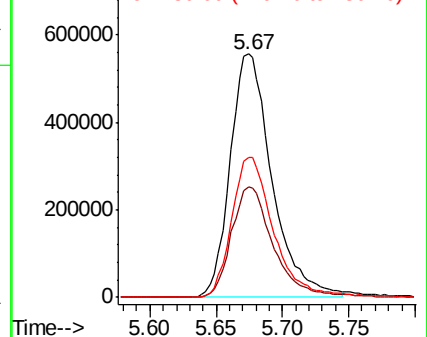
Ion	Ratio	Lower	Upper
49	100		
128	46.2	24.1	72.3
130	58.4	30.9	92.8



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: 0.615 ppbv

RT: 3.05 min Scan# 82

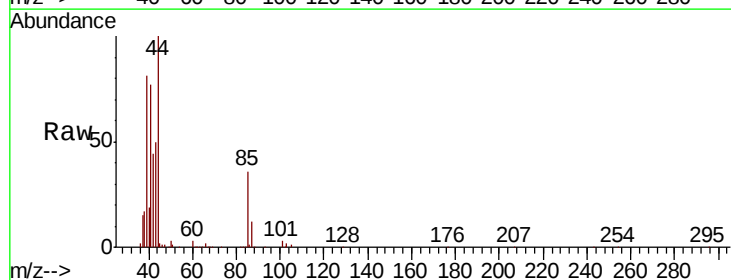
Delta R.T. -0.00 min

Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

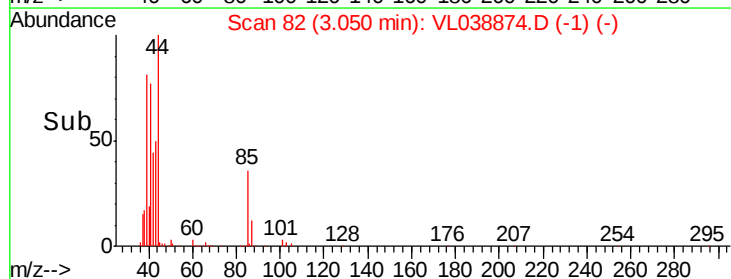
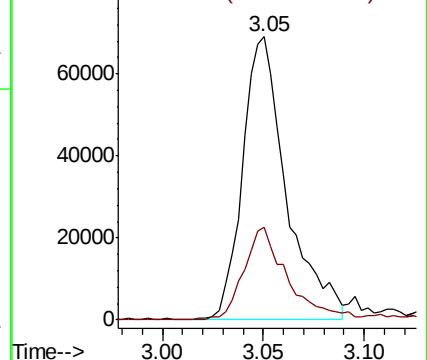
Tgt Ion: 85 Resp: 105554

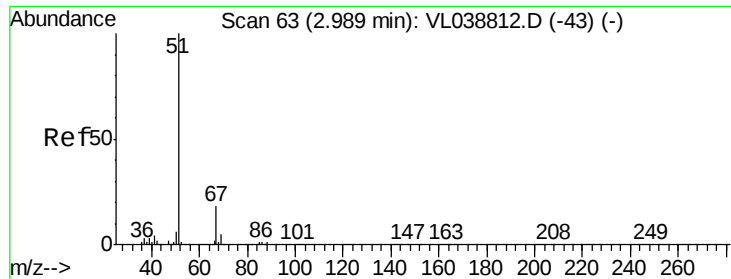
Ion	Ratio	Lower	Upper
85	100		
87	32.8	25.9	38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.420 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: A-1

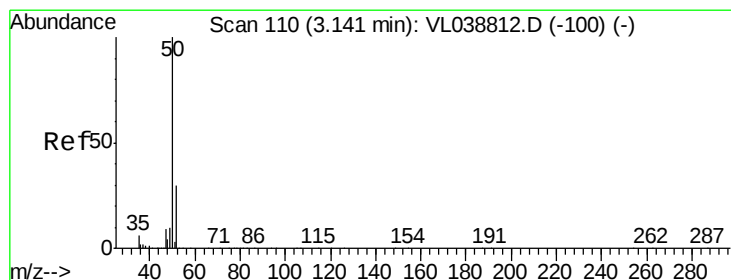
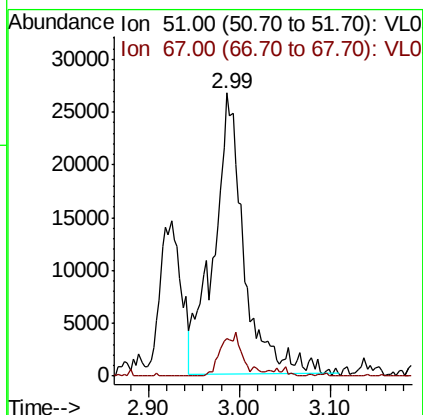
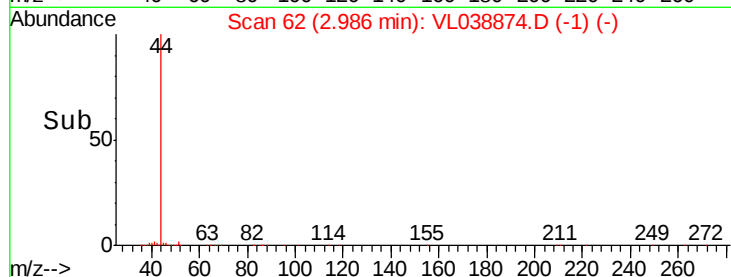
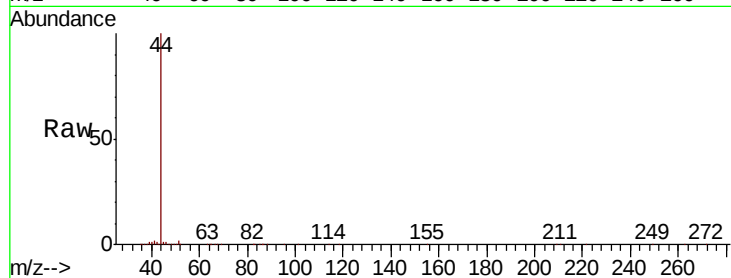
Acq: 11 Apr 2022 17:40

Tot Ion: 51 Resp: 61952

Ion Ratio Lower Upper

51 100

67 10.9 13.4 20.0#



#4

Chloromethane

Concen: 0.443 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL038874.D

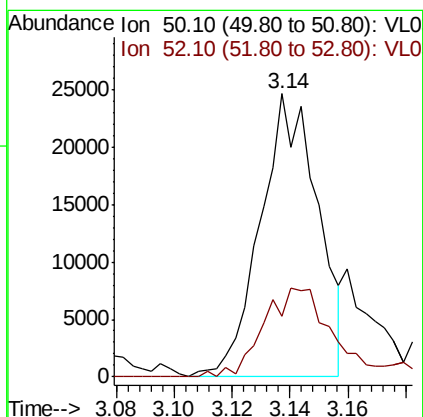
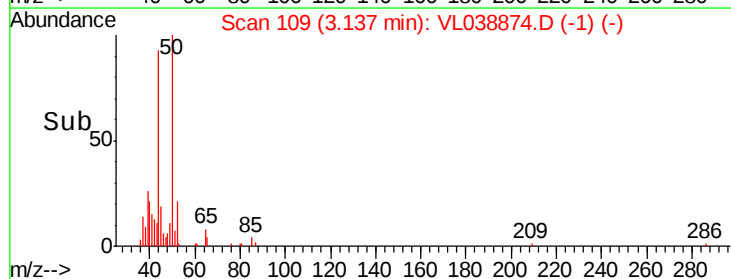
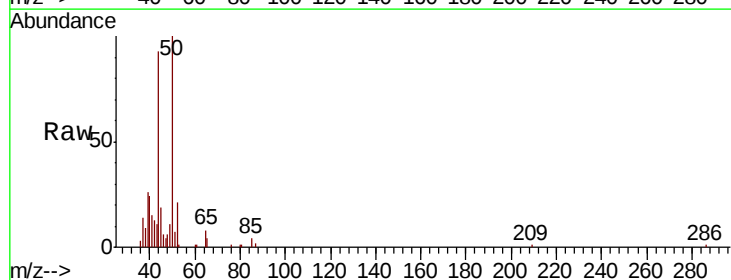
Acq: 11 Apr 2022 17:40

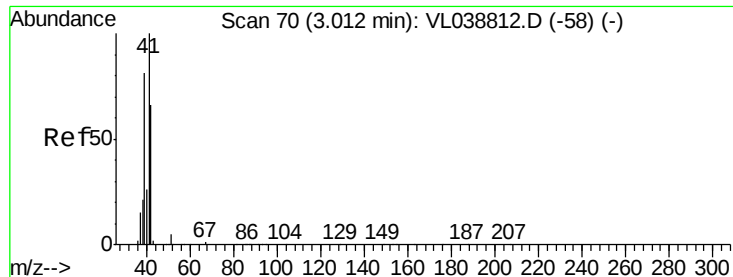
Tgt Ion: 50 Resp: 33875

Ion Ratio Lower Upper

50 100

52 21.3 24.3 36.5#





#9

Propene

Concen: 28.099 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

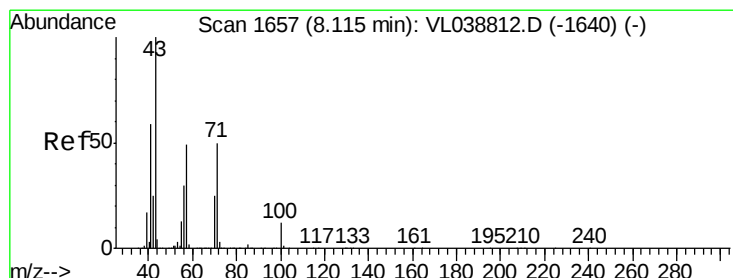
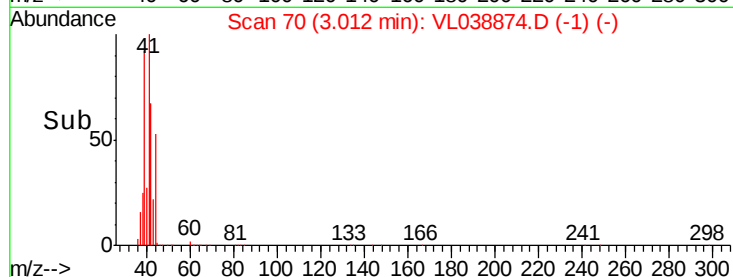
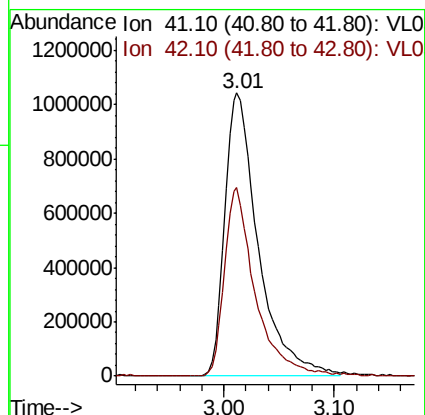
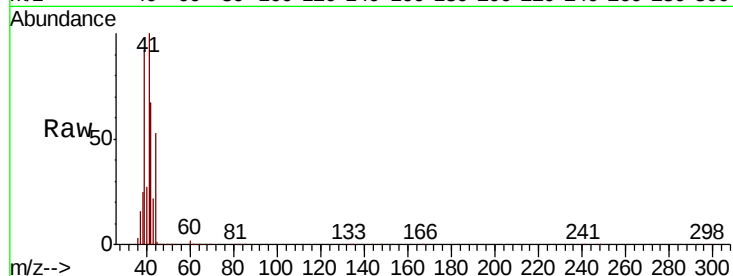
Acq: 11 Apr 2022 17:40

Tot Ion: 41 Resp: 2194925

Ion Ratio Lower Upper

41 100

42 61.8 54.2 81.4



#10

Heptane

Concen: 43.530 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL038874.D

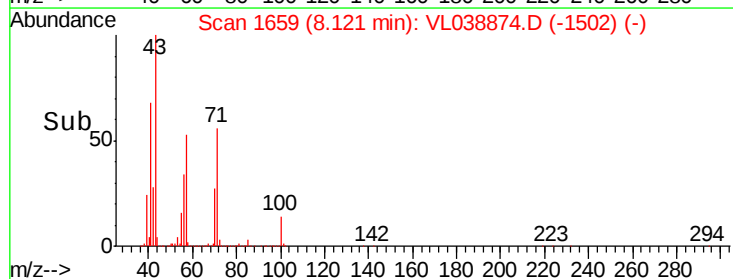
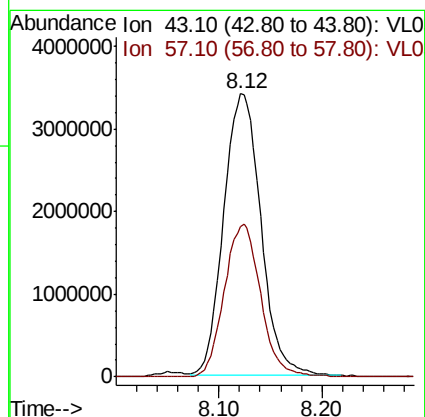
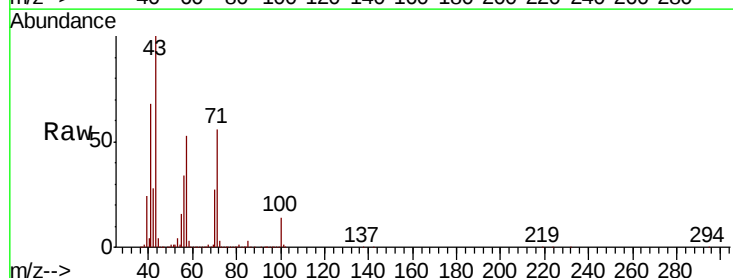
Acq: 11 Apr 2022 17:40

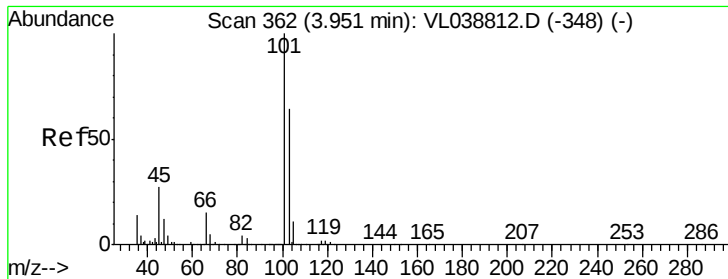
Tgt Ion: 43 Resp: 8565000

Ion Ratio Lower Upper

43 100

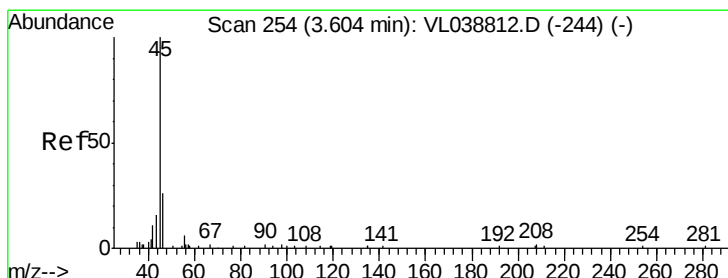
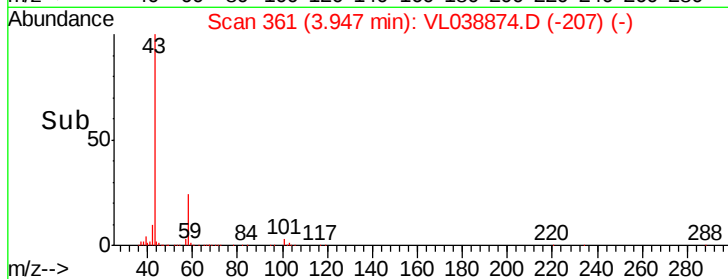
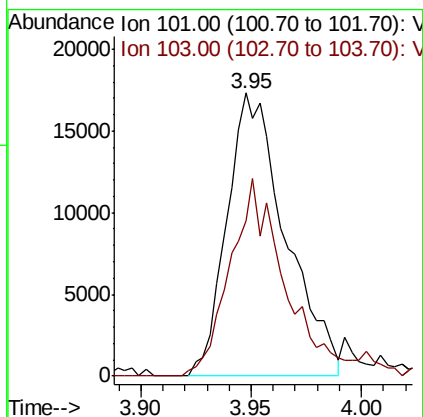
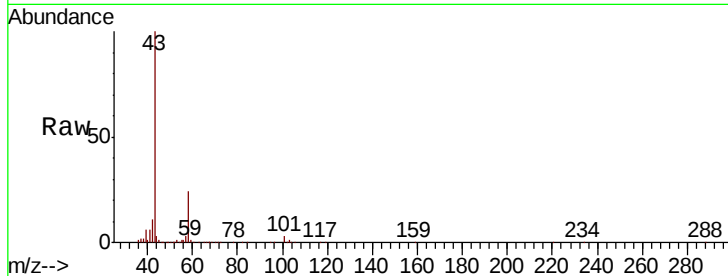
57 53.3 39.3 58.9





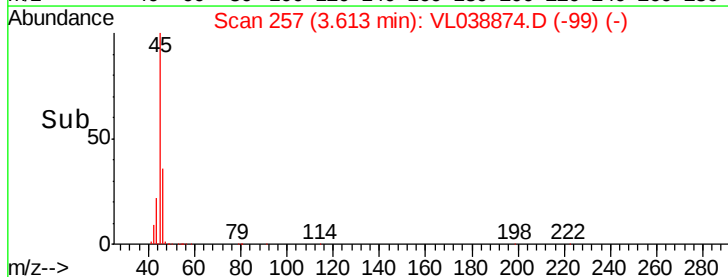
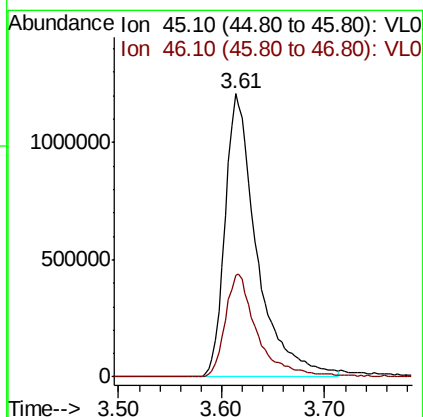
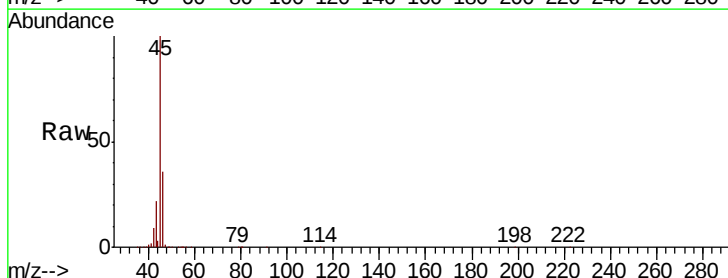
#11
 Trichlorofluoromethane
 Concen: 0.232 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 17:40

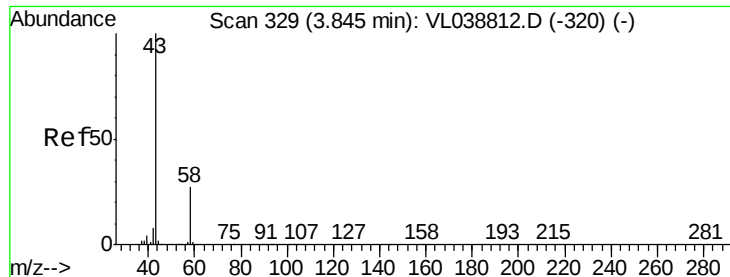
Tot Ion: 101 Resp: 31997
 Ion Ratio Lower Upper
 101 100
 103 52.9 51.4 77.0



#13
 Ethanol
 Concen: 548.432 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VL038874.D
 Acq: 11 Apr 2022 17:40

Tgt Ion: 45 Resp: 2603469
 Ion Ratio Lower Upper
 45 100
 46 36.9 0.0 0.0#





#15

Acetone

Concen: 273.658 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

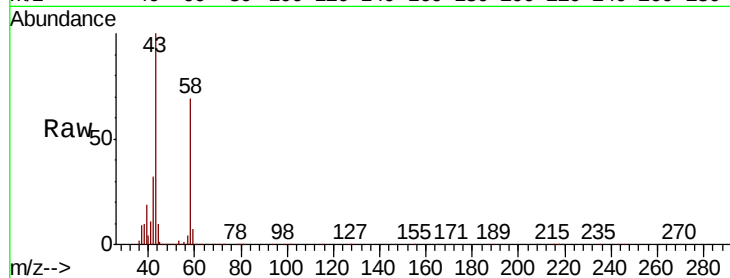
Acq: 11 Apr 2022 17:40

Tot Ion: 43 Resp: 32960273

Ion Ratio Lower Upper

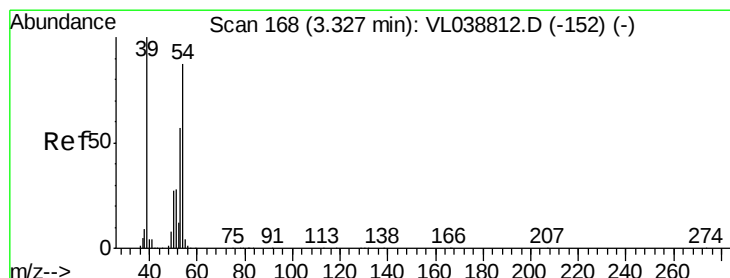
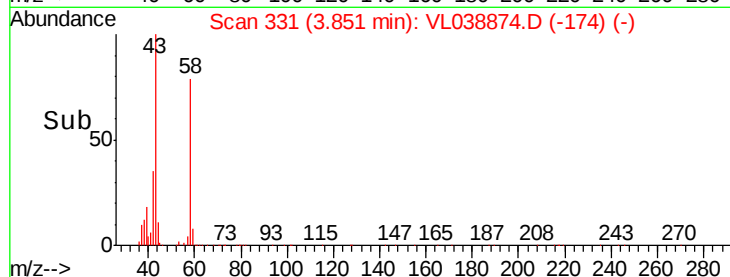
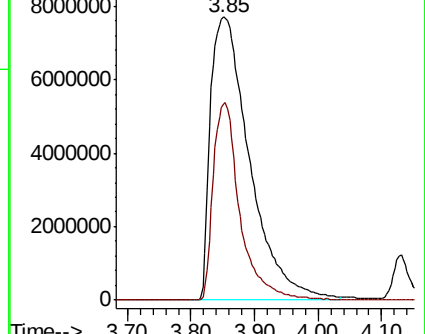
43 100

58 48.1 22.5 33.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.904 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL038874.D

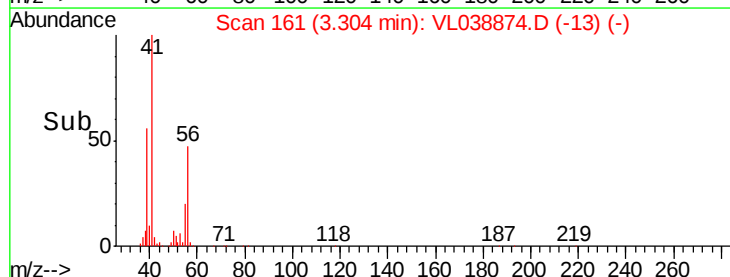
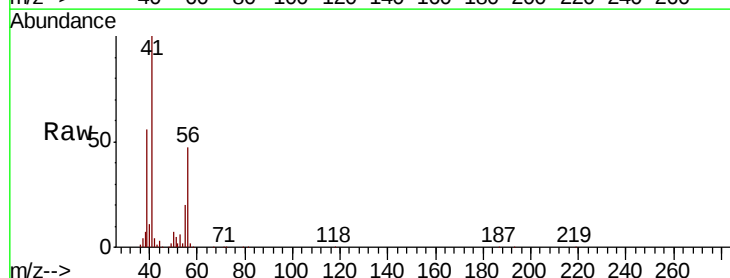
Acq: 11 Apr 2022 17:40

Tgt Ion: 39 Resp: 613085

Ion Ratio Lower Upper

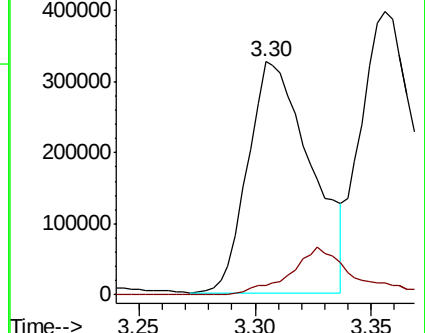
39 100

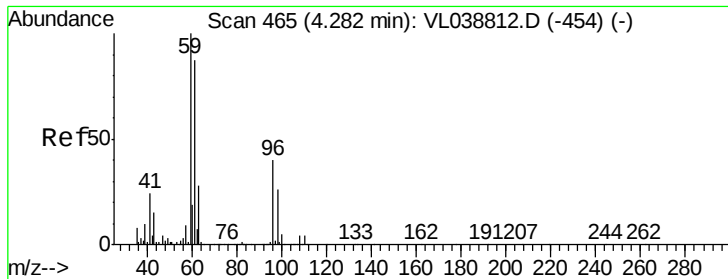
54 21.5 64.8 97.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

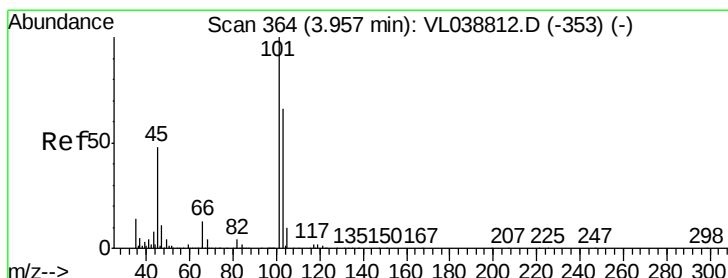
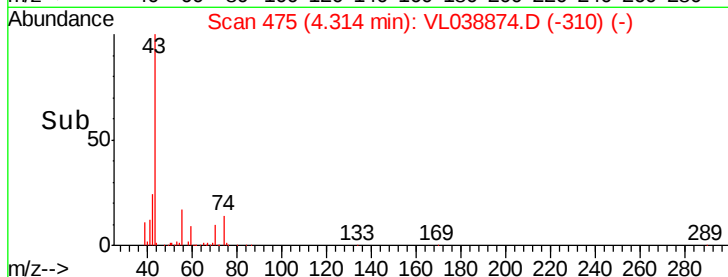
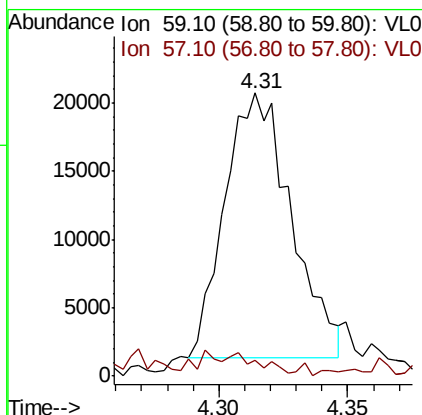
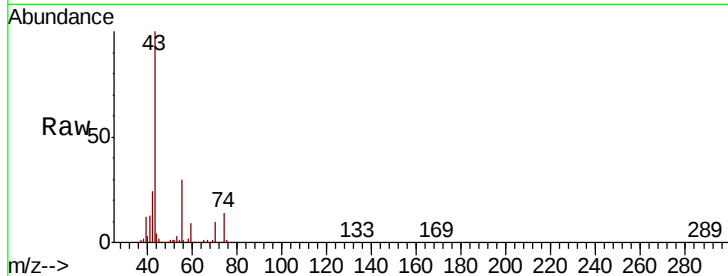
Ion 54.10 (53.80 to 54.80): VL0





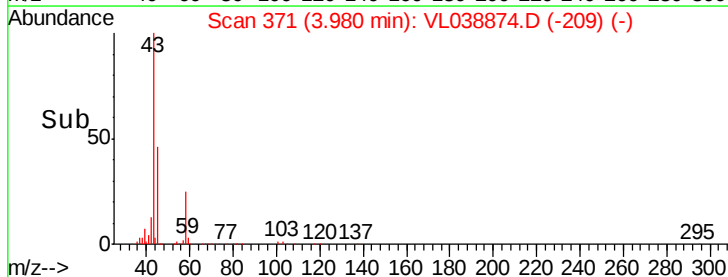
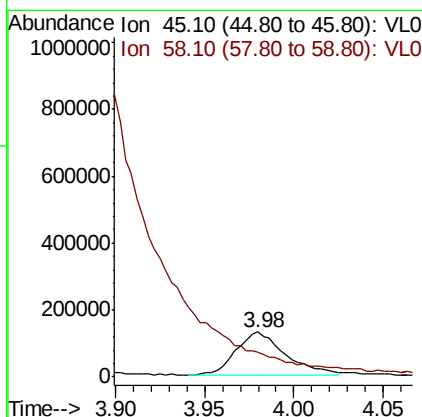
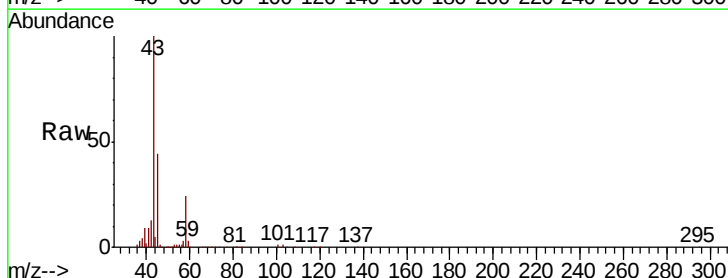
#17
 tert-Butyl alcohol
 Concen: 0.321 ppbv
 RT: 4.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 17:40

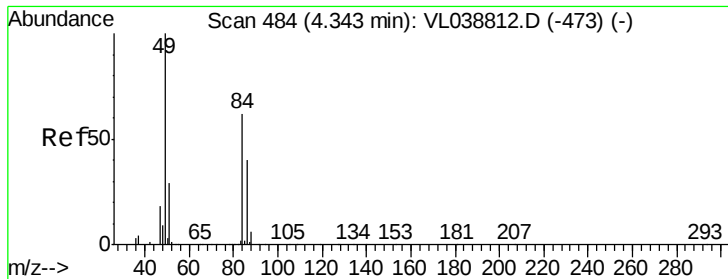
Tot Ion: 59 Resp: 34646
 Ion Ratio Lower Upper
 59 100
 57 957.1 8.5 12.7#



#19
 Isopropyl Alcohol
 Concen: 4.055 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VL038874.D
 Acq: 11 Apr 2022 17:40

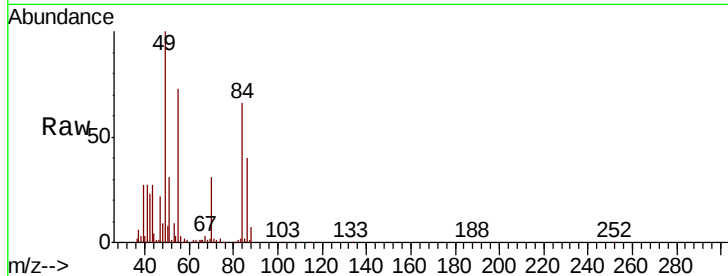
Tgt Ion: 45 Resp: 249625
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0





#20
Methylene Chloride
Concen: 4.147 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 17:40

Tot Ion:	84	Resp:	181160
Ion	Ratio	Lower	Upper
84	100		
49	150.8	129.4	194.0
51	44.4	37.4	56.2
86	60.5	51.4	77.2



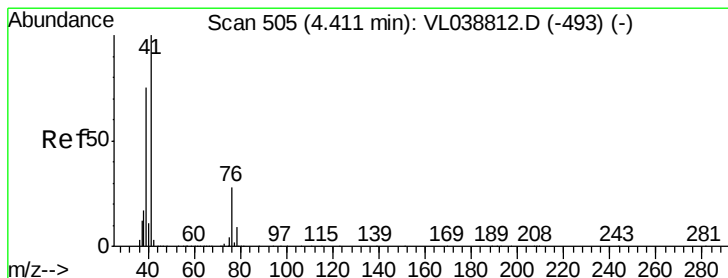
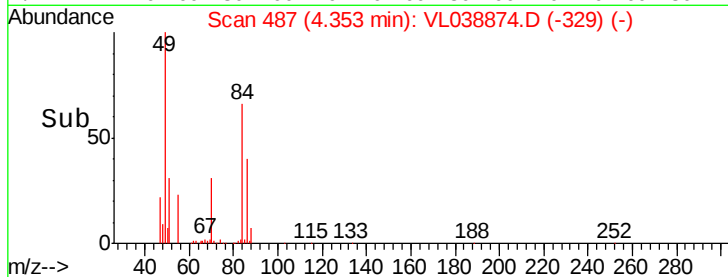
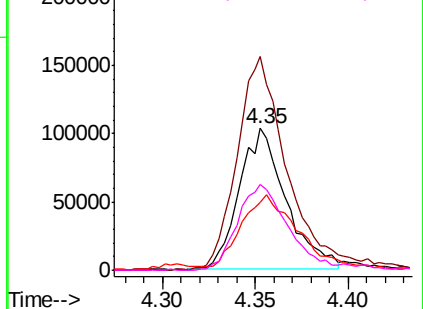
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

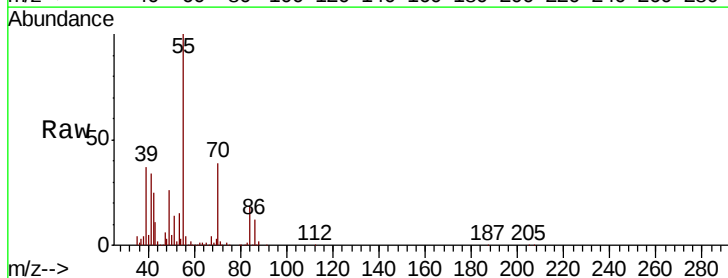
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 1.774 ppbv
RT: 4.37 min Scan# 491
Delta R.T. -0.05 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

Tgt Ion:	41	Resp:	159986
Ion	Ratio	Lower	Upper
41	100		
76	0.1	23.7	35.5#
39	132.5	62.0	93.0#

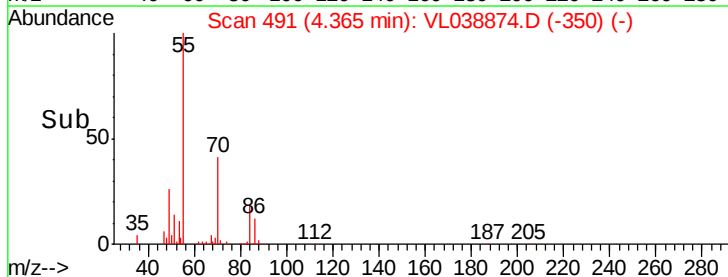
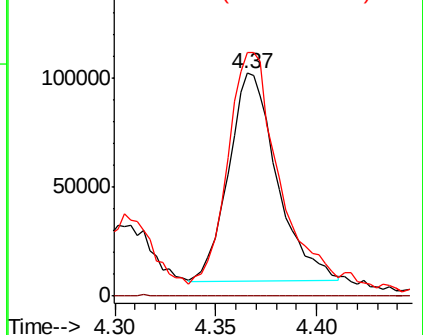


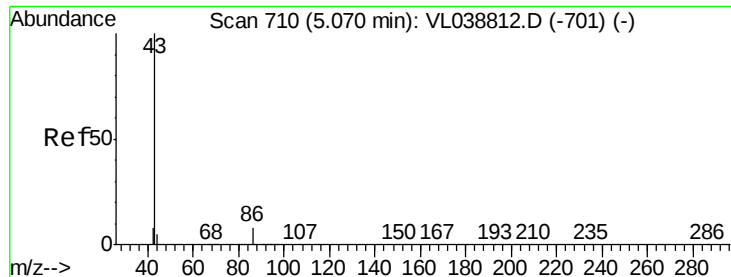
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 6.400 ppbv

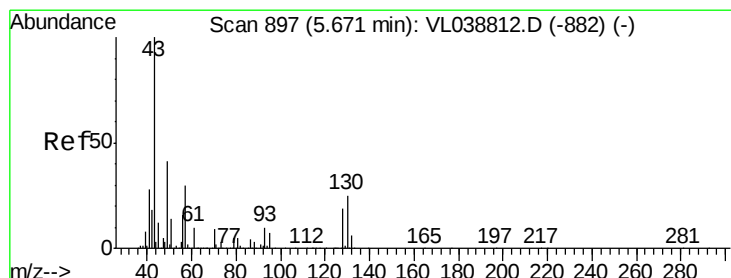
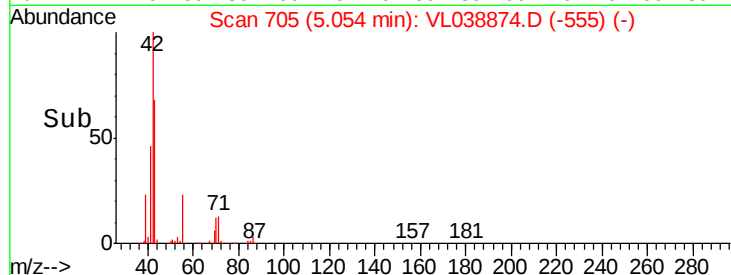
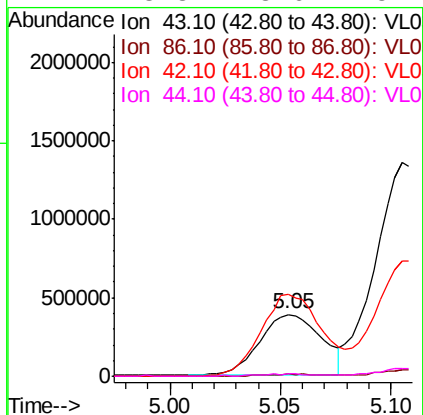
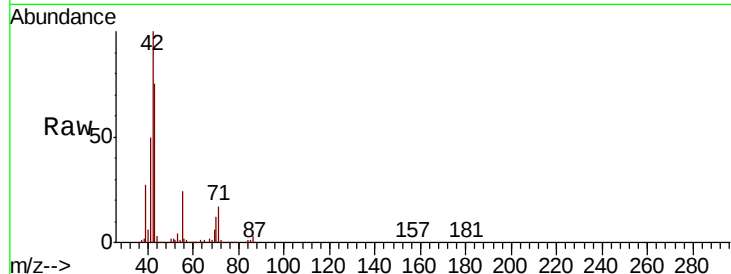
RT: 5.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 17:40

Tot Ion:	43	Resp:	750647
Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.8	8.6#
42	134.9	7.8	11.6#
44	3.3	3.6	5.4#



#25

Ethyl Acetate

Concen: 25.966 ppbv

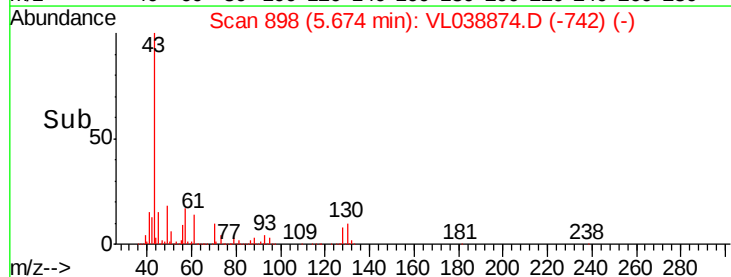
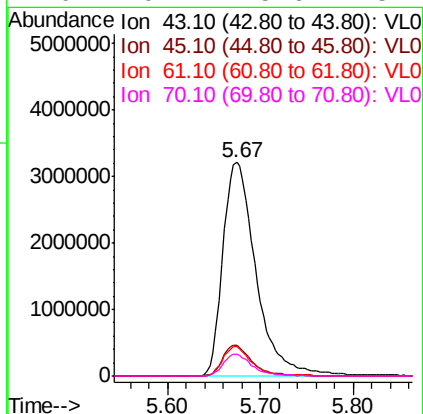
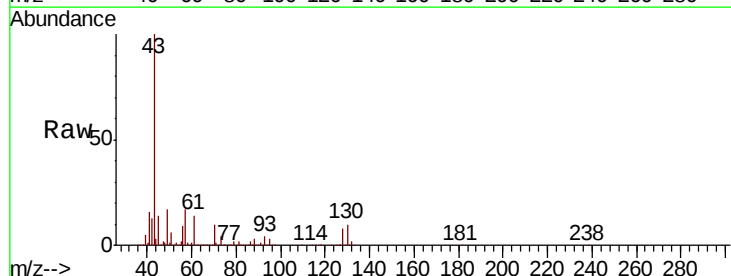
RT: 5.67 min Scan# 898

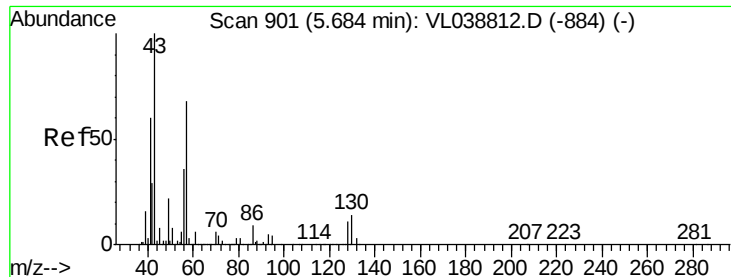
Delta R.T. 0.00 min

Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

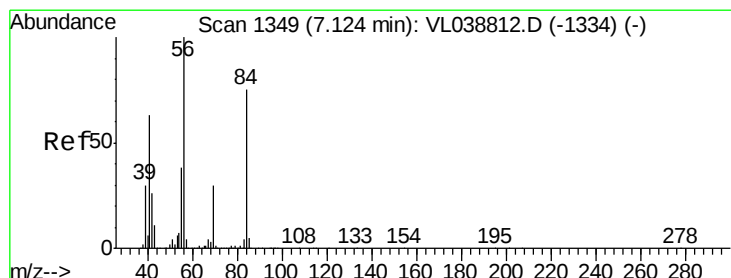
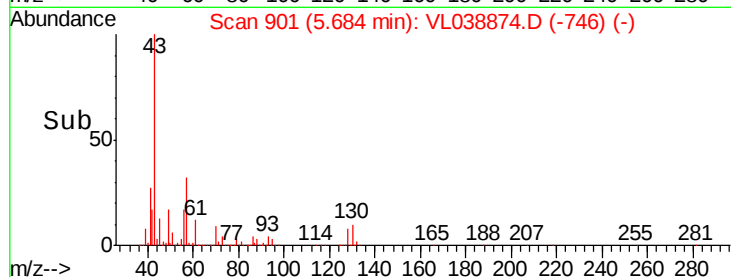
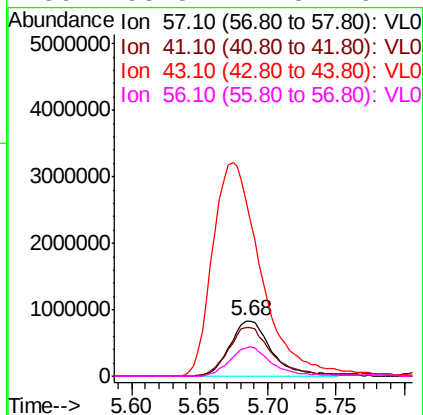
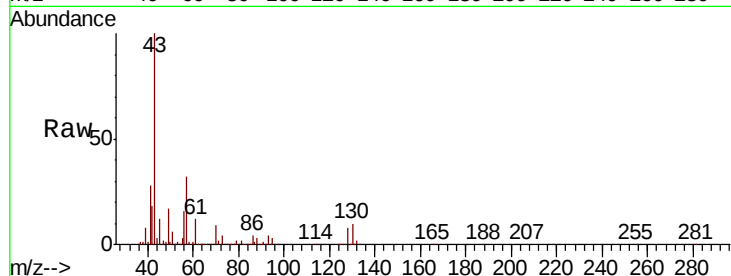
Tgt Ion:	43	Resp:	7935523
Ion	Ratio	Lower	Upper
43	100		
45	13.1	8.4	12.6#
61	12.2	7.9	11.9#
70	9.2	5.6	8.4#





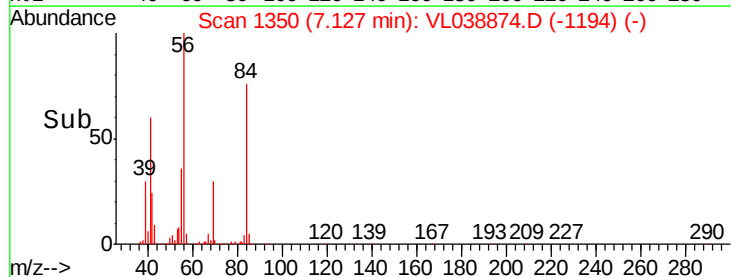
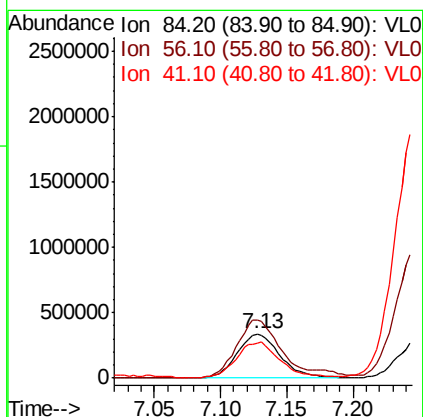
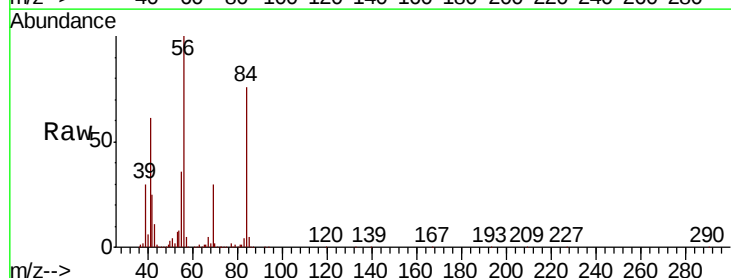
#26
Hexane
Concen: 12.622 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 17:40

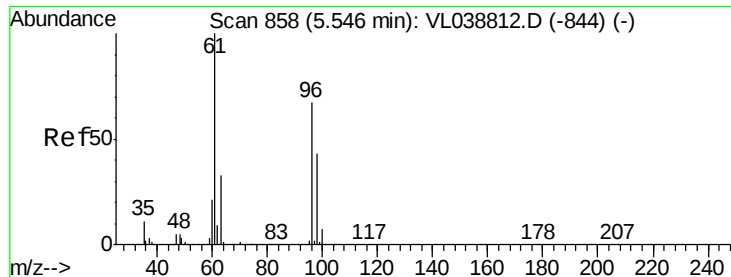
Tot Ion	57	Resp	1755786
Ion	Ratio	Lower	Upper
57	100		
41	95.6	72.0	108.0
43	457.5	186.6	280.0
56	53.3	42.8	64.2



#30
Cyclohexane
Concen: 6.189 ppbv
RT: 7.13 min Scan# 1350
Delta R.T.: 0.00 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

Tgt Ion	84	Resp	758729
Ion	Ratio	Lower	Upper
84	100		
56	142.4	114.4	171.6
41	80.2	69.0	103.4





#31

cis-1,2-Dichloroethene

Concen: 7.336 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 17:40

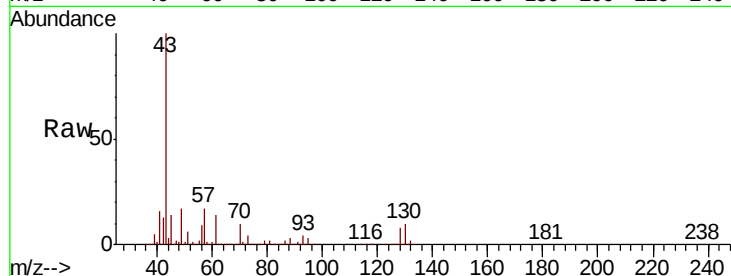
Tot Ion: 61 Resp: 938292

Ion Ratio Lower Upper

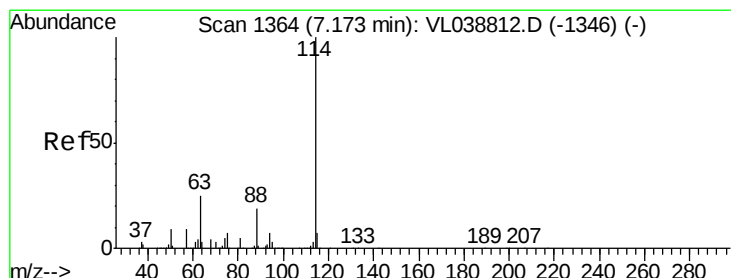
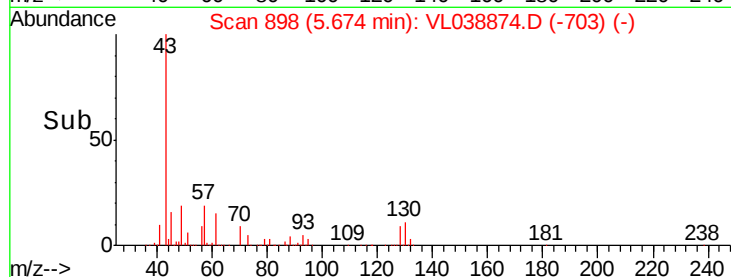
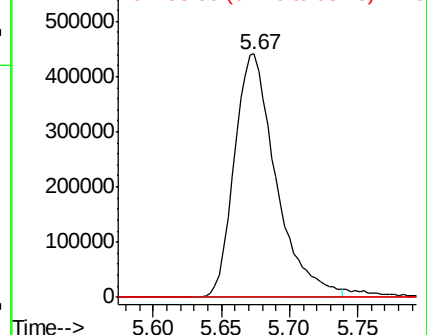
61 100

96 0.4 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 Scan# 1367

Delta R.T. 0.01 min

Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

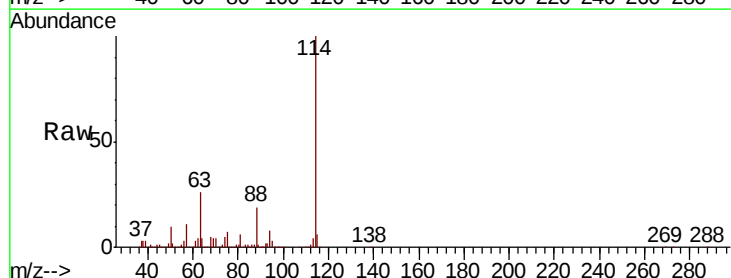
Tgt Ion: 114 Resp: 3197035

Ion Ratio Lower Upper

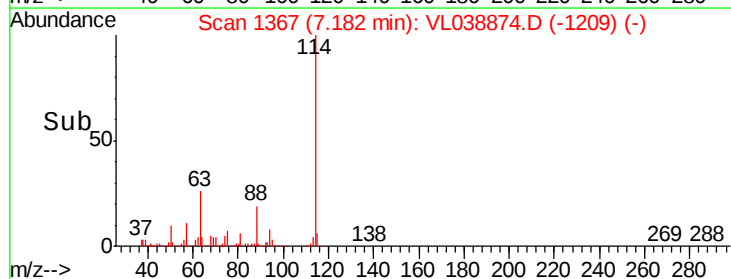
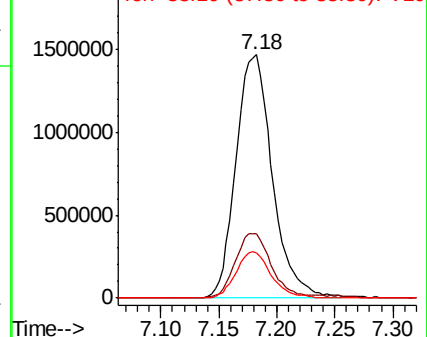
114 100

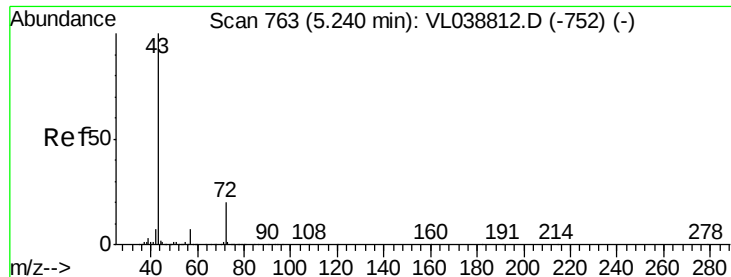
63 27.6 19.8 29.8

88 18.7 14.2 21.4



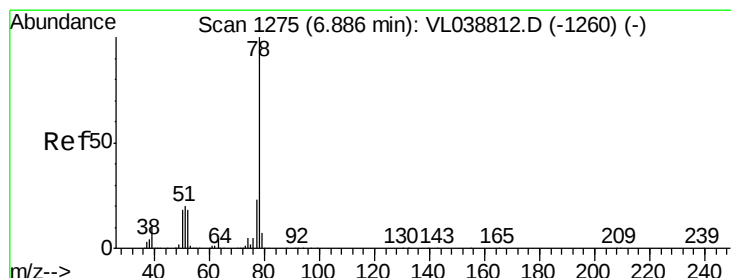
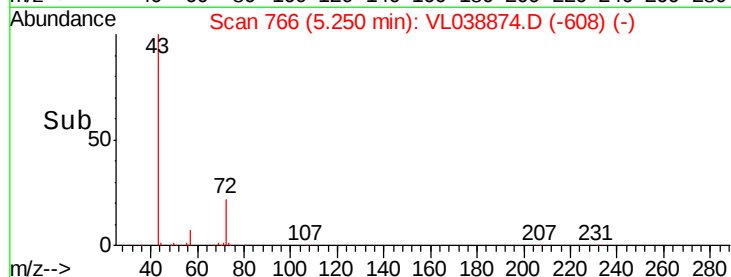
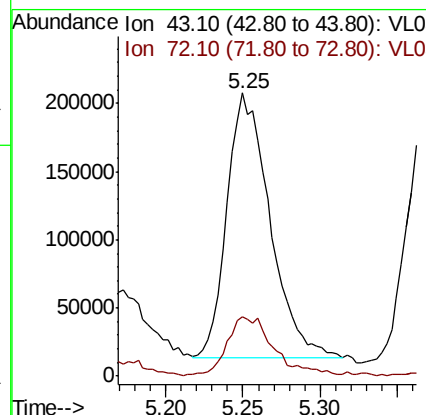
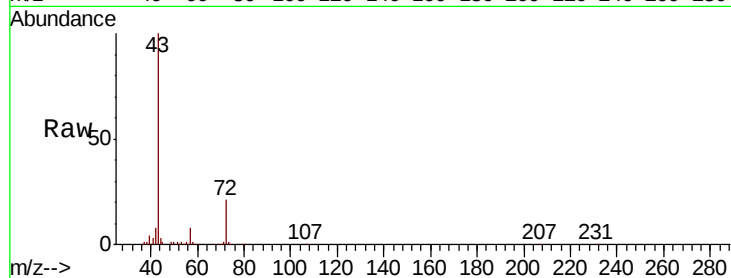
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





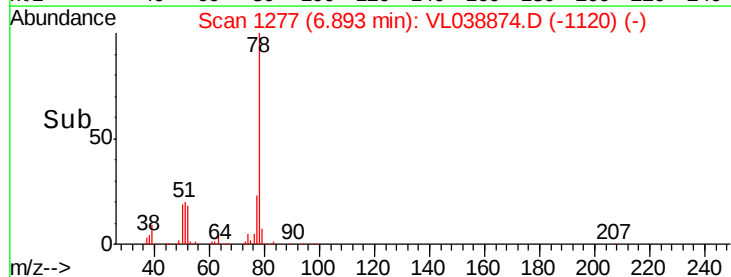
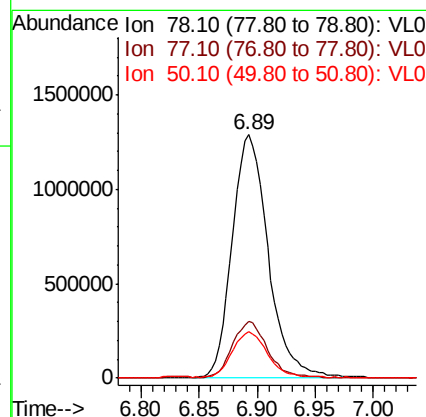
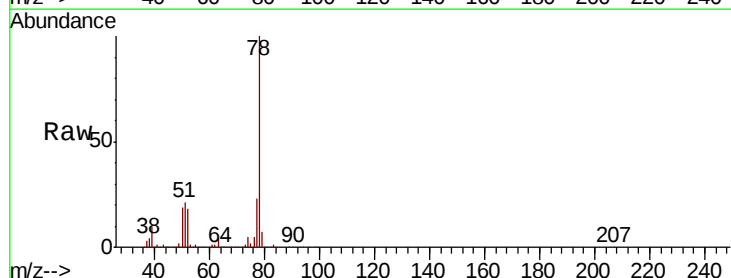
#34
 2-Butanone
 Concen: 2.965 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 17:40

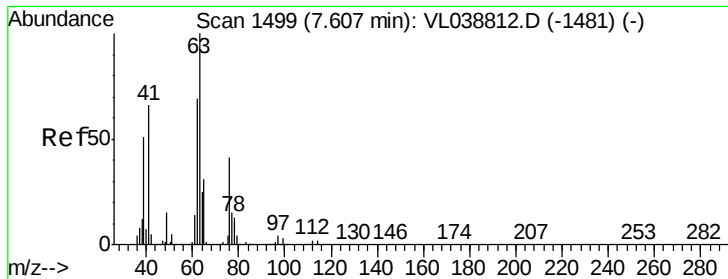
Tot Ion: 43 Resp: 374553
 Ion Ratio Lower Upper
 43 100
 72 25.3 16.9 25.3#



#36
 Benzene
 Concen: 9.533 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VL038874.D
 Acq: 11 Apr 2022 17:40

Tgt Ion: 78 Resp: 2772598
 Ion Ratio Lower Upper
 78 100
 77 22.9 18.2 27.2
 50 19.1 14.0 21.0





#39

1,2-Dichloropropane

Concen: 0.115 ppbv

RT: 7.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 17:40

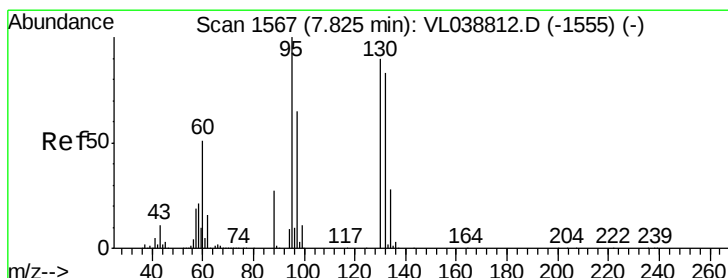
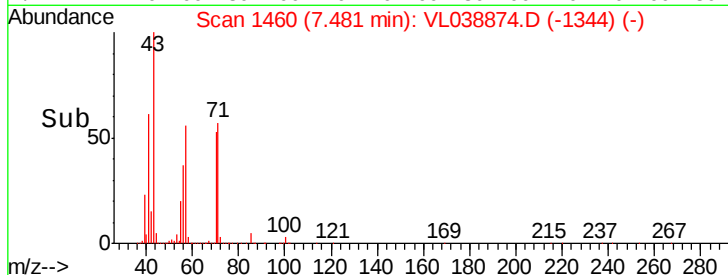
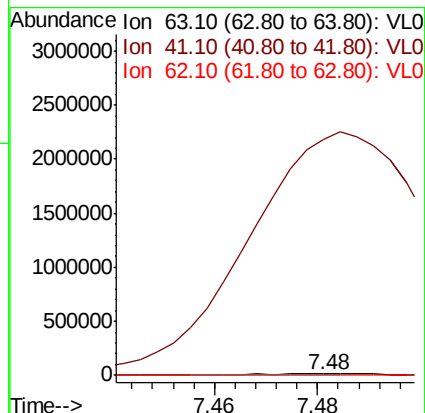
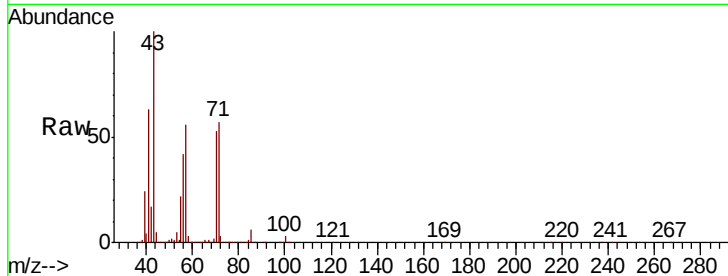
Tot Ion: 63 Resp: 12749

Ion Ratio Lower Upper

63 100

41 17003.2 53.0 79.6#

62 39.7 55.0 82.4#



#40

1,4-Dioxane

Concen: 0.043 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

Tgt Ion: 88 Resp: 1641

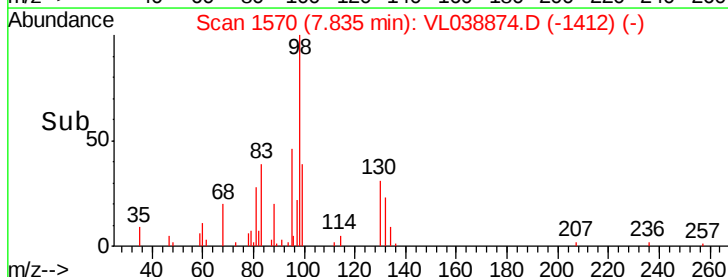
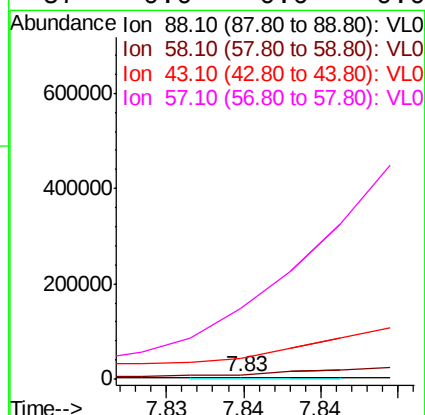
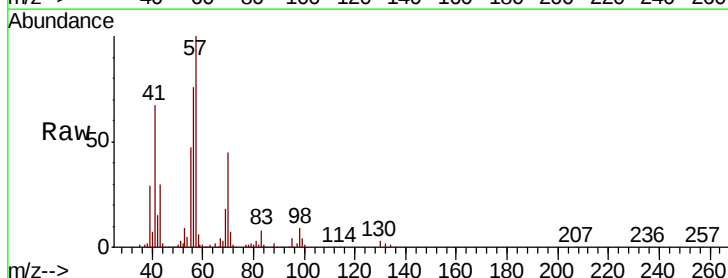
Ion Ratio Lower Upper

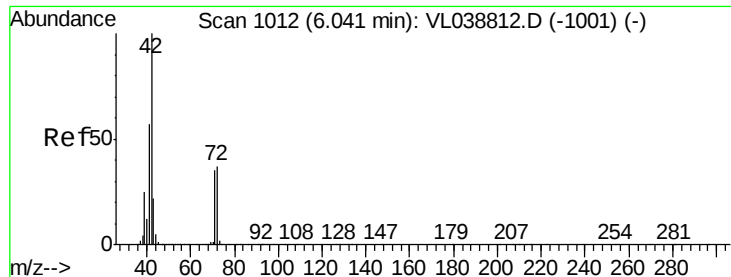
88 100

58 0.0 49.4 74.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.304 ppbv

RT: 5.98 Instrument: MSVOA_1

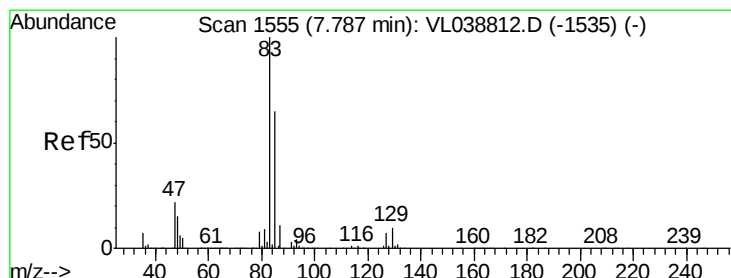
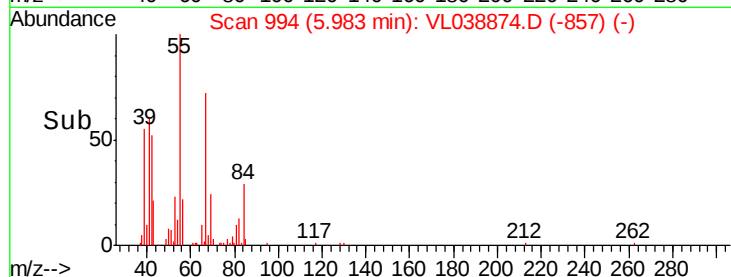
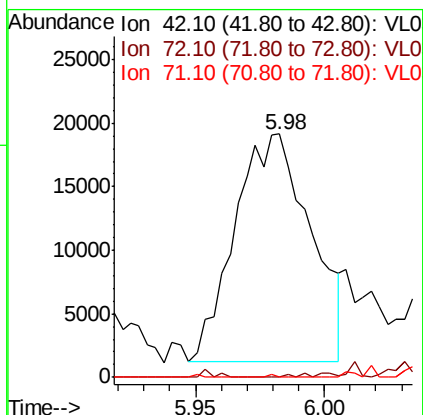
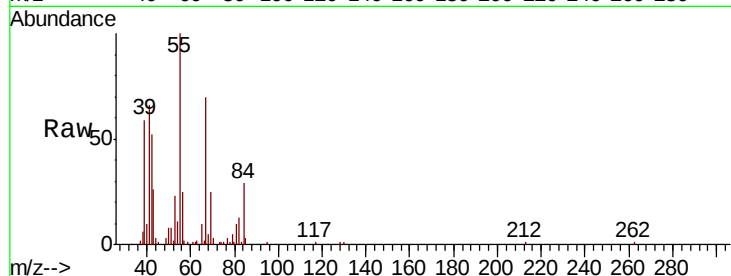
Delta R.T. ClientSampleId:

Lab File: A-1

Acq: 11 Apr 2022 17:40

Tot Ion: 42 Resp: 36526

Ion	Ratio	Lower	Upper
42	100		
72	24.5	31.4	47.0#
71	22.9	30.2	45.4#



#42

Bromodichloromethane

Concen: 0.409 ppbv

RT: 7.80 min Scan# 1558

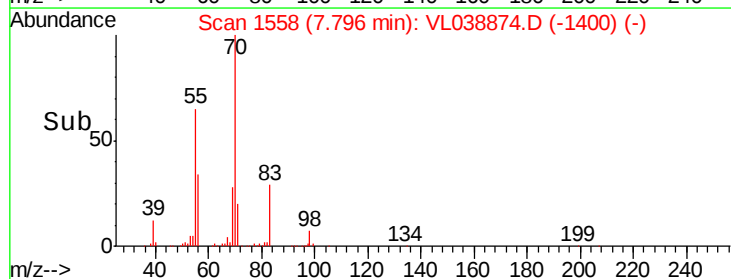
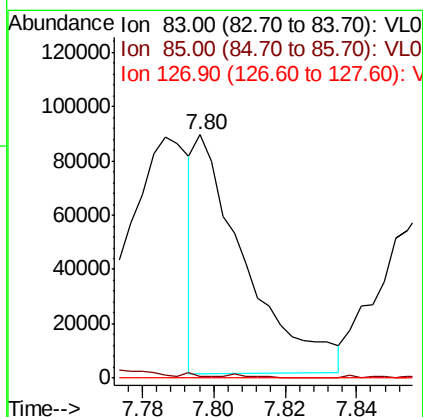
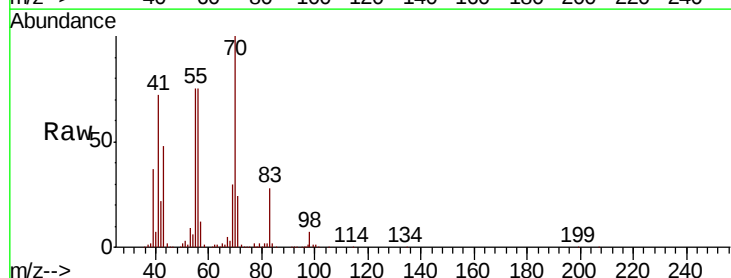
Delta R.T. 0.01 min

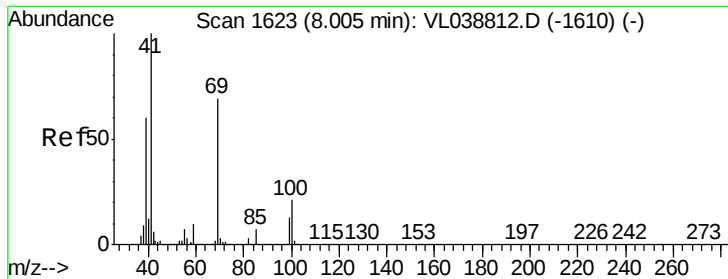
Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

Tgt Ion: 83 Resp: 85947

Ion	Ratio	Lower	Upper
83	100		
85	0.3	51.7	77.5#
127	0.0	5.9	8.9#





#43

Methyl Methacrylate

Concen: 0.285 ppbv

RT: 7.98

Instrument: MSVOA_1

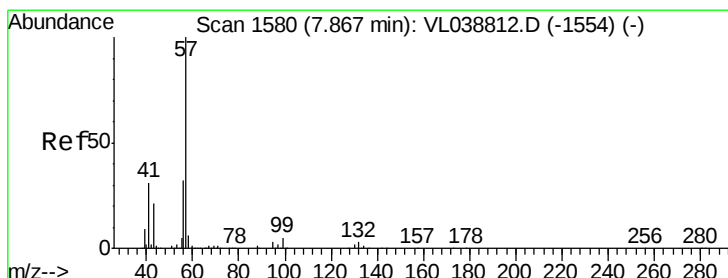
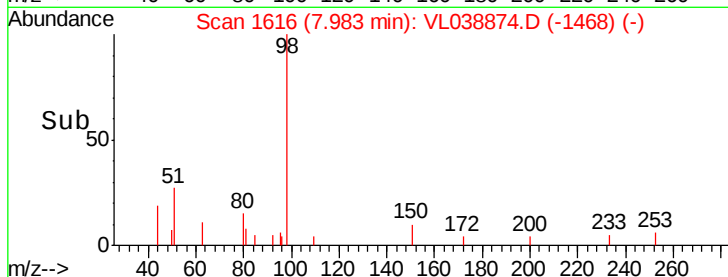
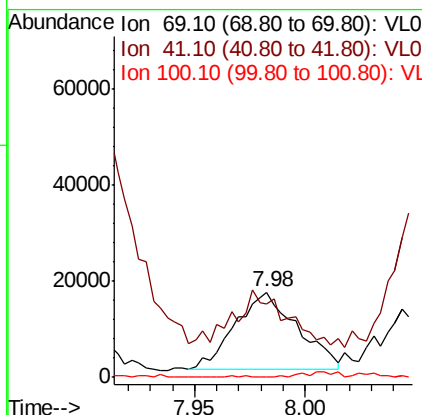
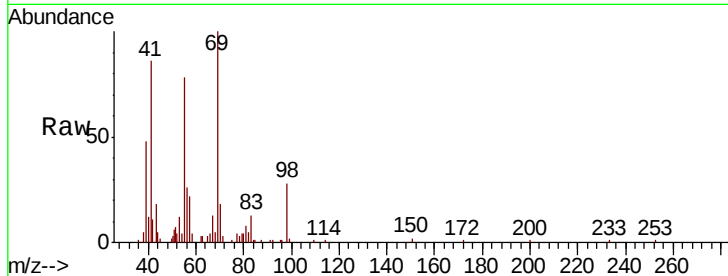
Delta R.T.

Lab File: ClientSampleId:

Acq: 11 Apr 2022 17:40

Tot Ion: 69 Resp: 31694

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: 6.164 ppbv

RT: 7.87 min Scan# 1580

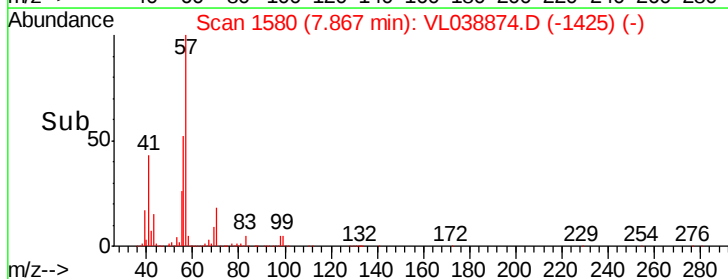
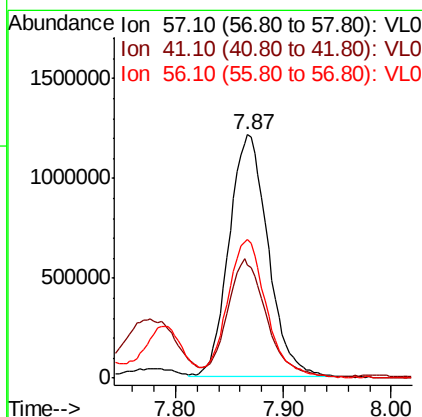
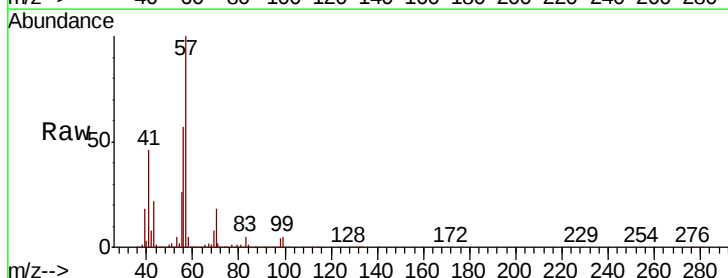
Delta R.T. -0.00 min

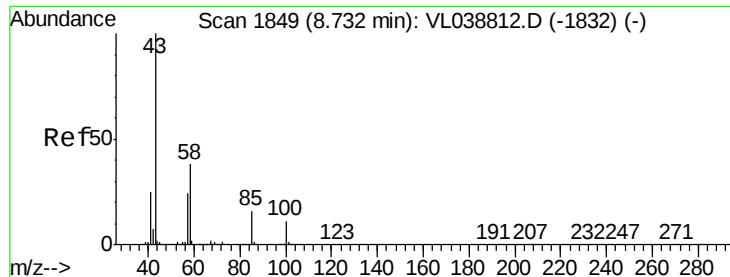
Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

Tgt Ion: 57 Resp: 3035141

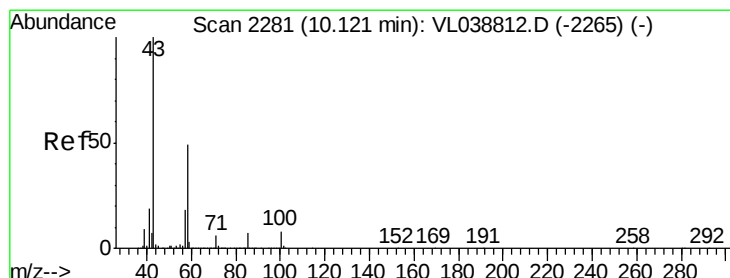
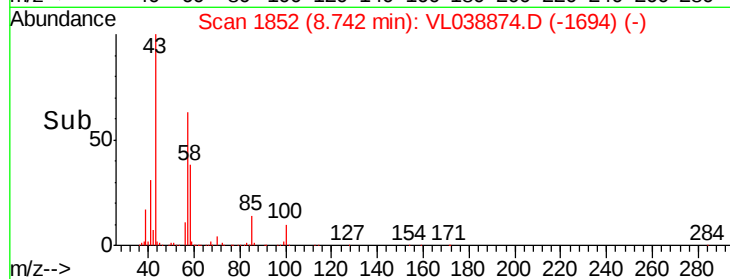
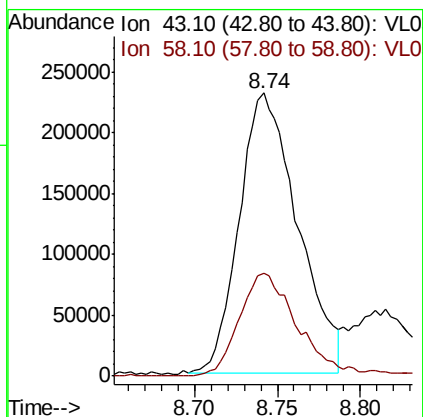
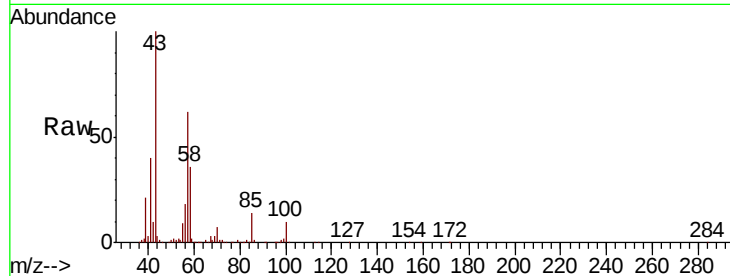
Ion	Ratio	Lower	Upper
57	100		
41	49.0	25.0	37.4#
56	57.8	25.3	37.9#





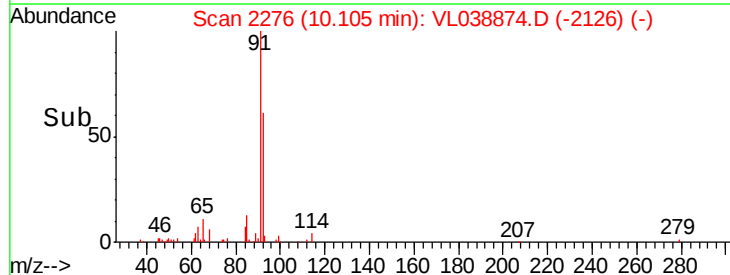
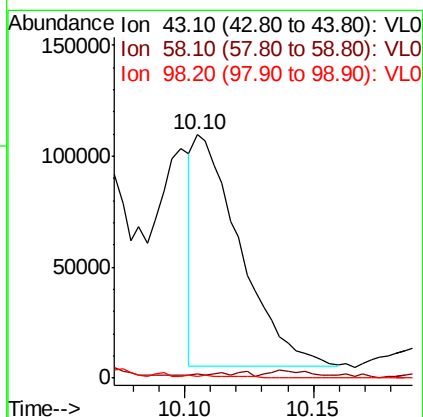
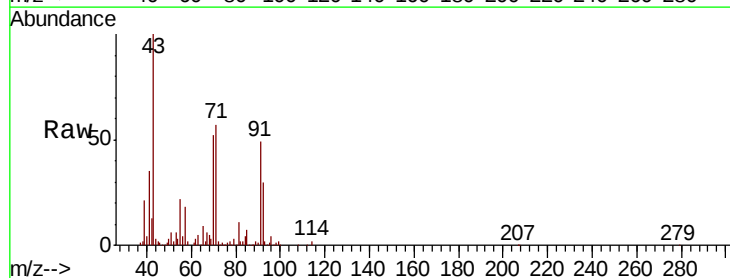
#50
 4-Methyl-2-Pentanone
 Concen: 1.991 ppbv
 RT: 8.74
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 17:40

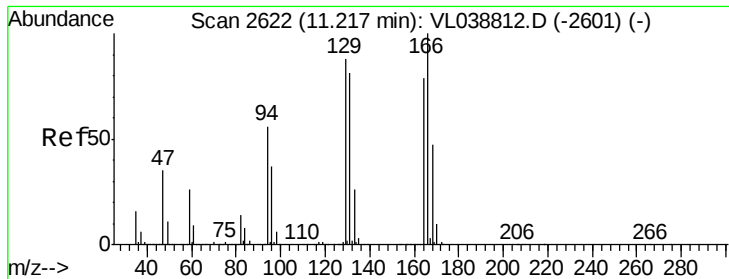
Tot Ion: 43 Resp: 565747
 Ion Ratio Lower Upper
 43 100
 58 38.2 29.0 43.6



#51
 2-Hexanone
 Concen: 0.606 ppbv
 RT: 10.10 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: VL038874.D
 Acq: 11 Apr 2022 17:40

Tgt Ion: 43 Resp: 129843
 Ion Ratio Lower Upper
 43 100
 58 4.0 41.4 62.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 3.356 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 17:40

Tot Ion:164 Resp: 340948

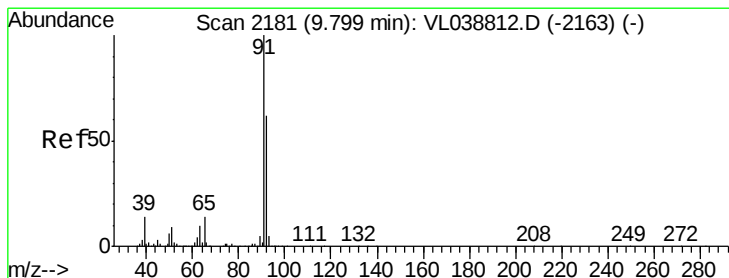
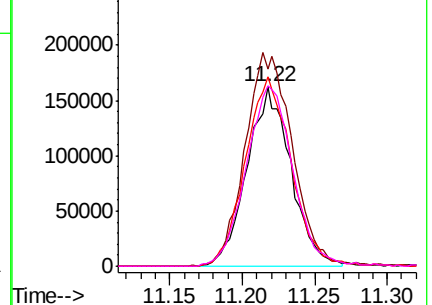
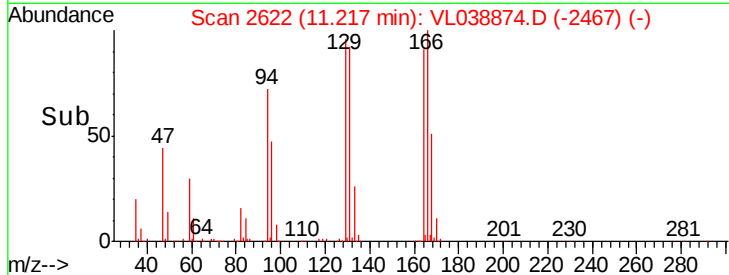
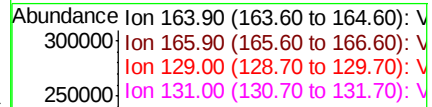
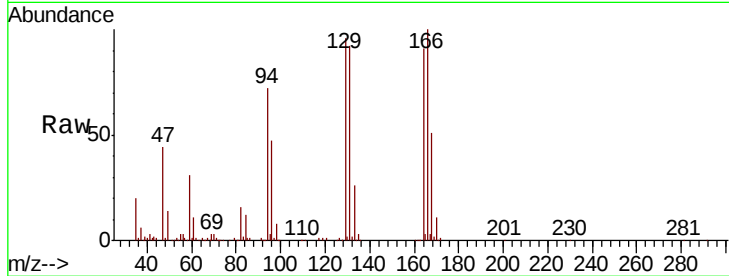
Ion Ratio Lower Upper

164 100

166 109.1 101.0 151.6

129 105.4 88.7 133.1

131 100.5 81.8 122.6



#53

Toluene

Concen: 86.994 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.03 min

Lab File: VL038874.D

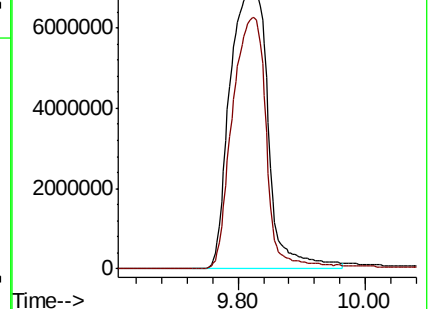
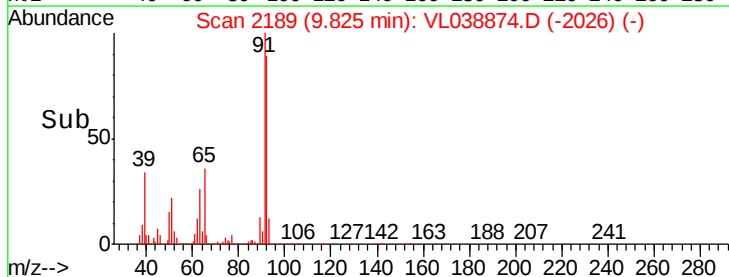
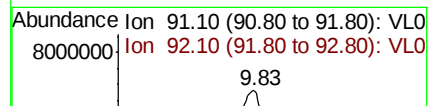
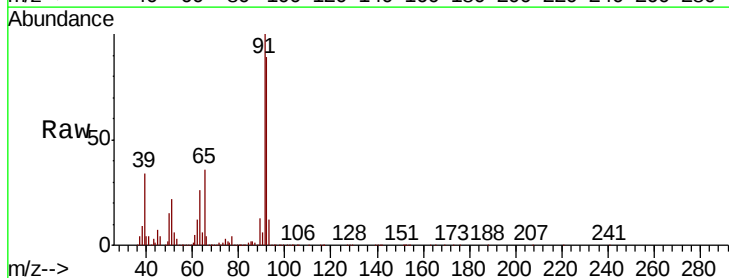
Acq: 11 Apr 2022 17:40

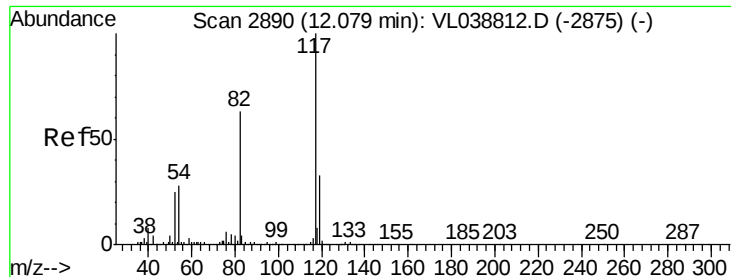
Tgt Ion: 91 Resp:29207428

Ion Ratio Lower Upper

91 100

92 81.4 49.2 73.8#

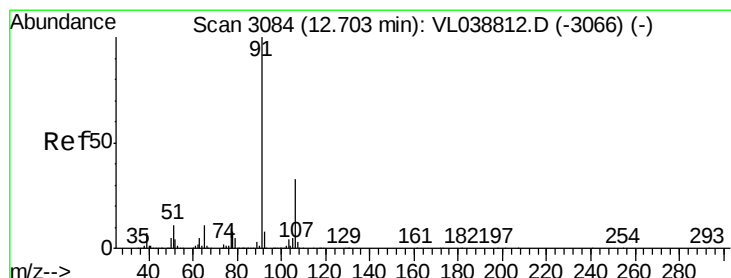
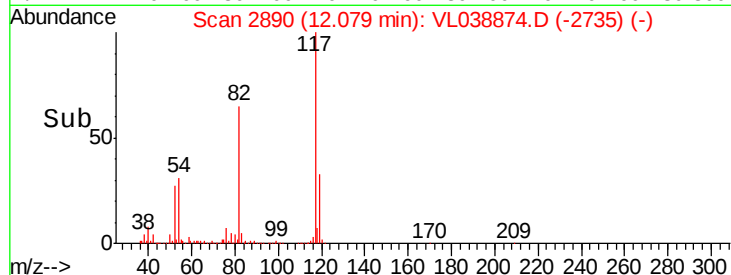
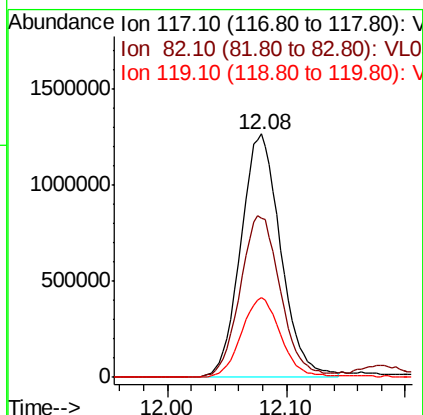
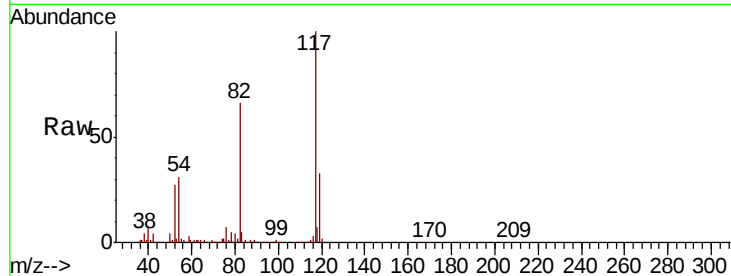




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 Apr 2022 17:40

Tot Ion:117 Resp: 2936588

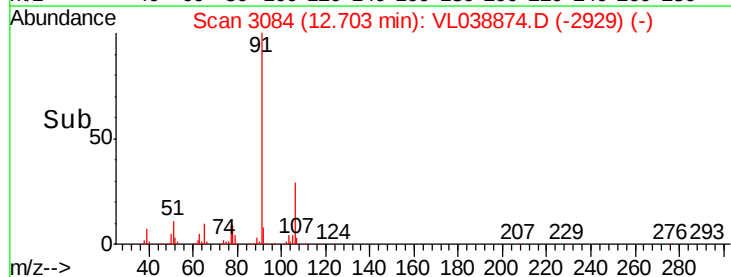
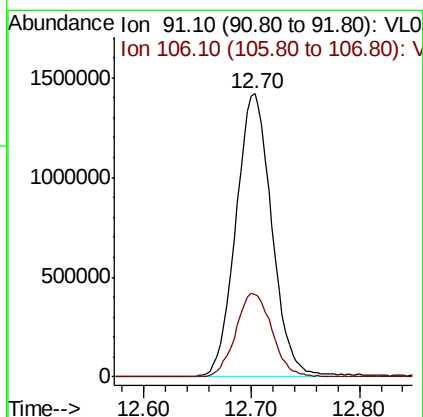
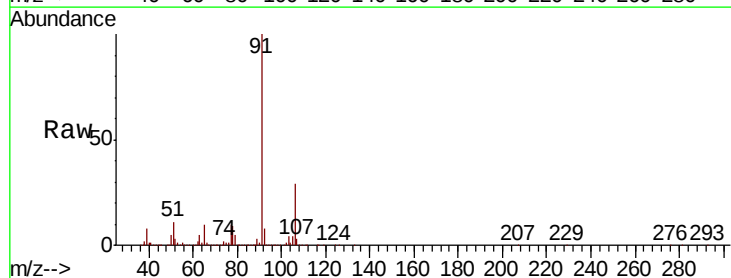
Ion	Ratio	Lower	Upper
117	100		
82	67.2	53.0	79.6
119	33.5	24.9	37.3

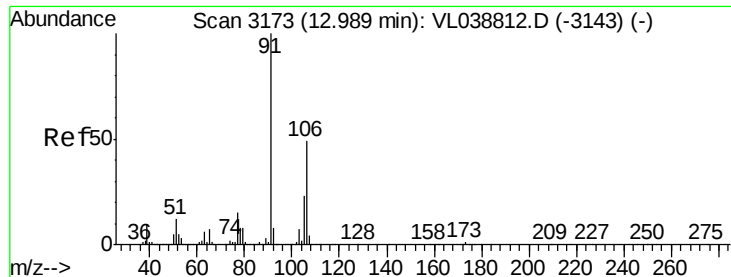


#58
Ethyl Benzene
Concen: 7.468 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: -0.00 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

Tgt Ion: 91 Resp: 3277127

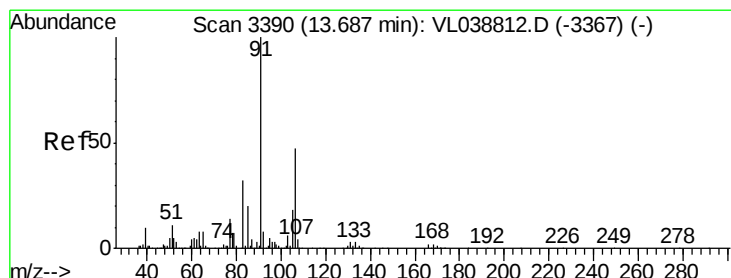
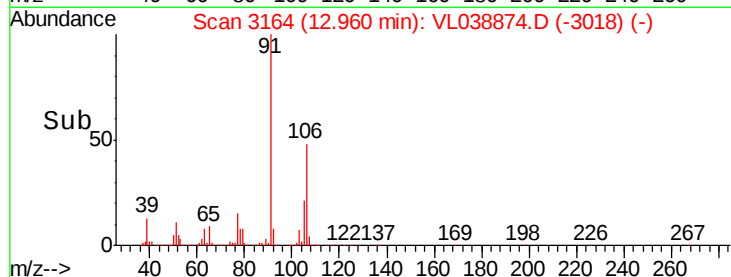
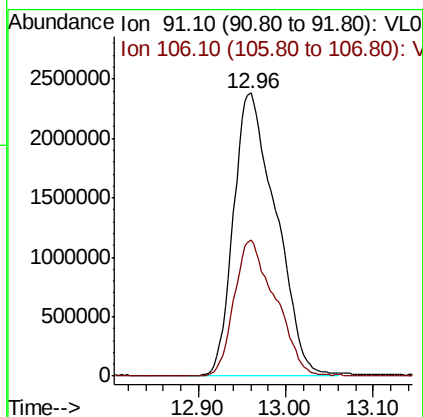
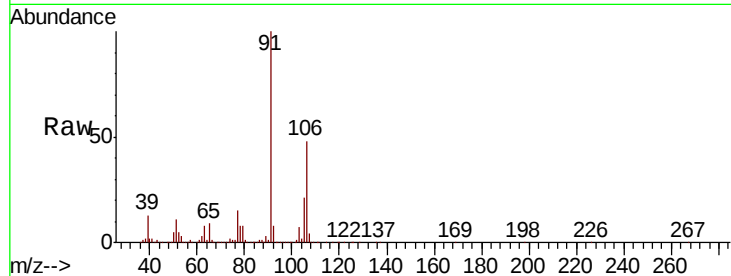
Ion	Ratio	Lower	Upper
91	100		
106	29.2	26.7	40.1





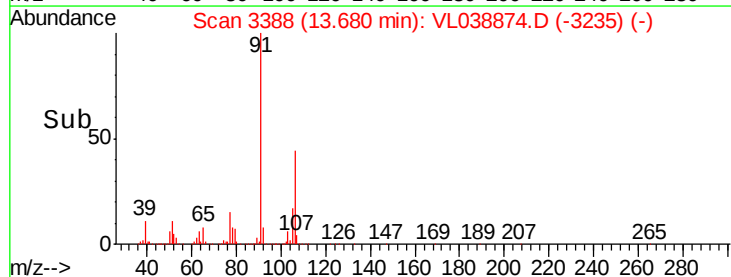
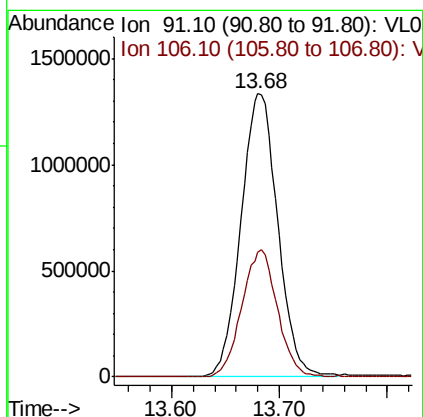
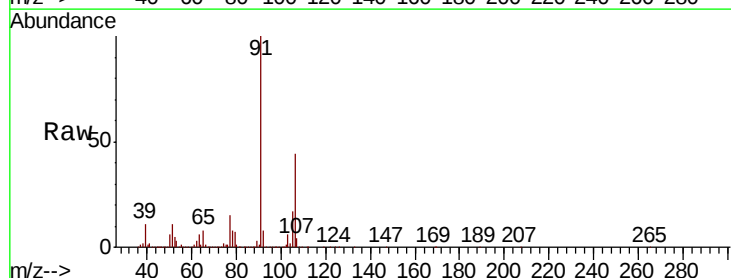
#59
m/p-Xylene
Concen: 21.677 ppbv
RT: 12.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 Apr 2022 17:40

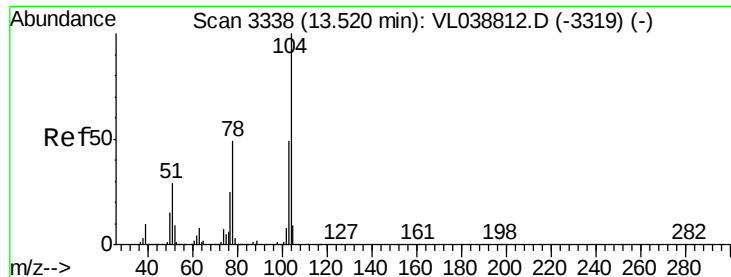
Tot Ion: 91 Resp: 7991309
Ion Ratio Lower Upper
91 100
106 47.3 37.1 55.7



#60
o-Xylene
Concen: 9.139 ppbv
RT: 13.68 min Scan# 3388
Delta R.T.: -0.01 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

Tgt Ion: 91 Resp: 3152798
Ion Ratio Lower Upper
91 100
106 43.8 23.8 71.4





#61

Stvrene

Concen: 0.894 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 17:40

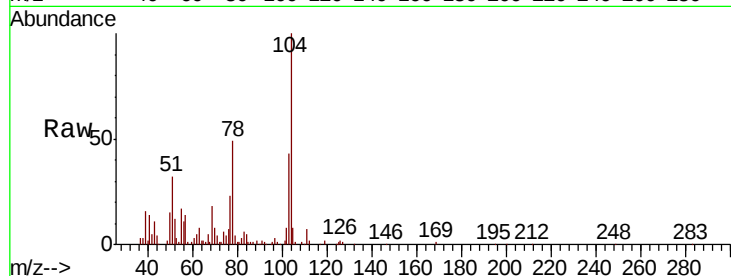
Tot Ion:104 Resp: 187933

Ion Ratio Lower Upper

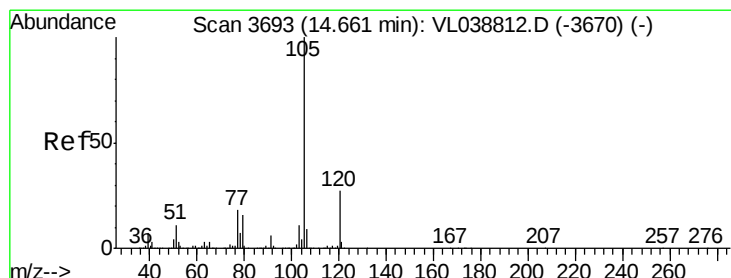
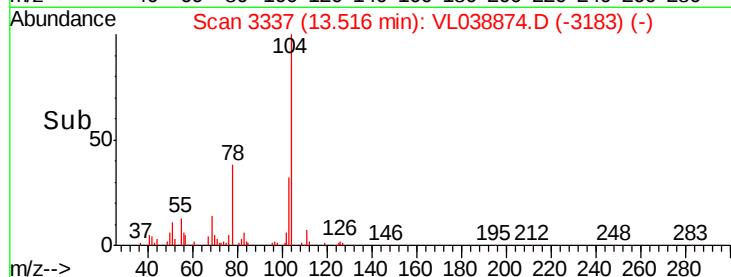
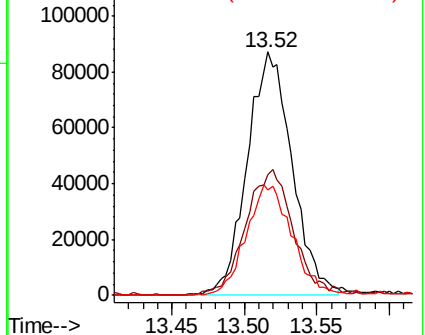
104 100

78 55.6 40.5 60.7

103 47.8 39.0 58.4



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: 0.496 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL038874.D

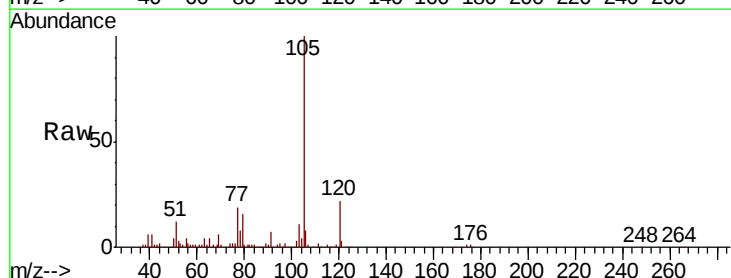
Acq: 11 Apr 2022 17:40

Tgt Ion:105 Resp: 256616

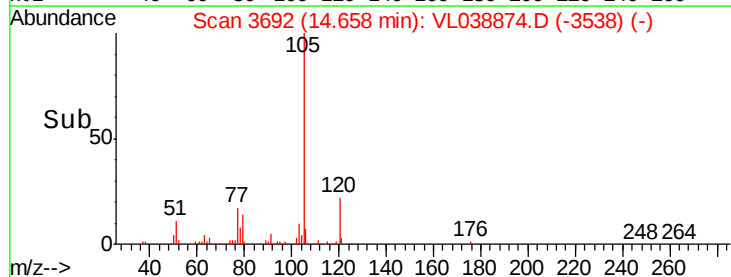
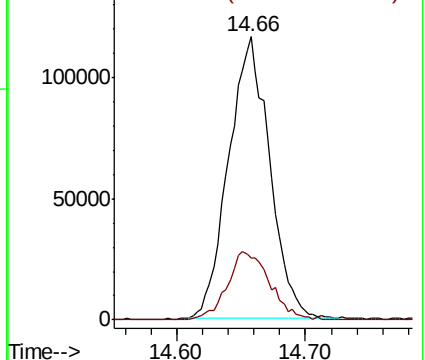
Ion Ratio Lower Upper

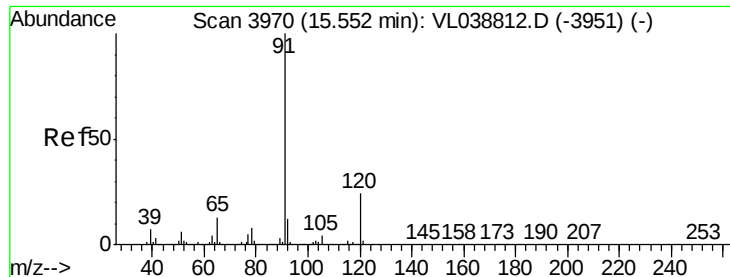
105 100

120 25.2 21.8 32.8



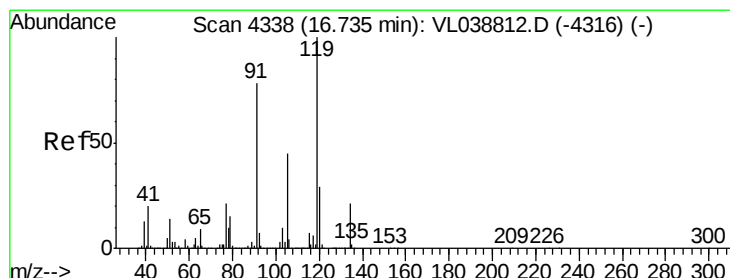
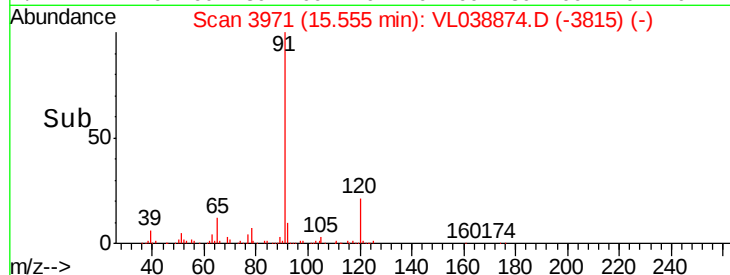
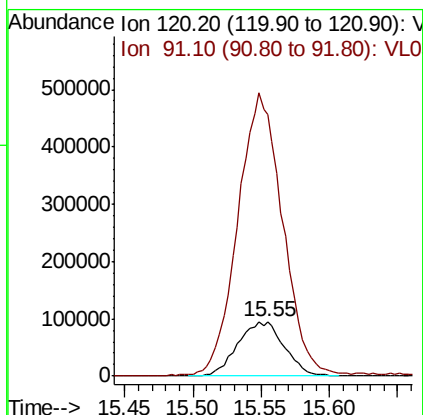
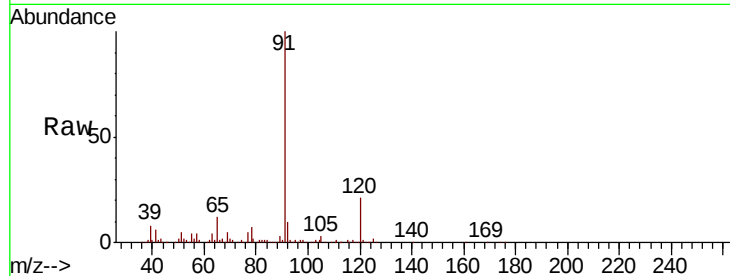
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





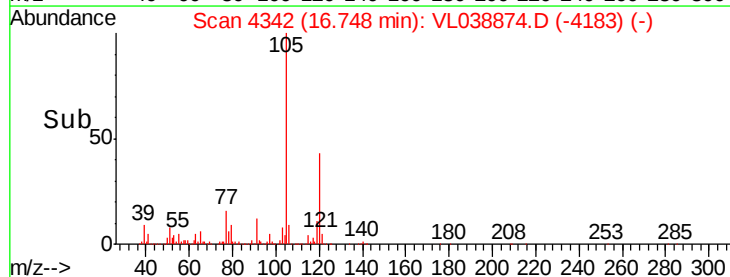
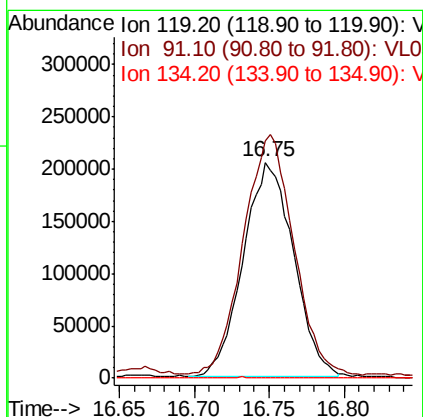
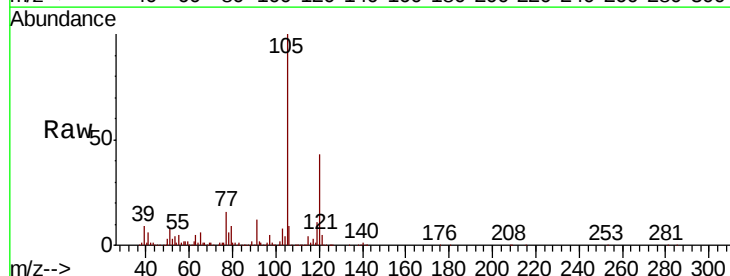
#64
n-propylbenzene
Concen: 1.677 ppbv
RT: 15.55 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 17:40

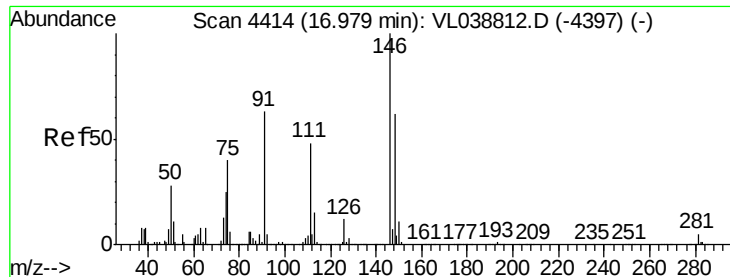
Tot Ion:120 Resp: 225508
Ion Ratio Lower Upper
120 100
91 498.4 360.6 540.8



#65
tert-Butylbenzene
Concen: 1.047 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.01 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

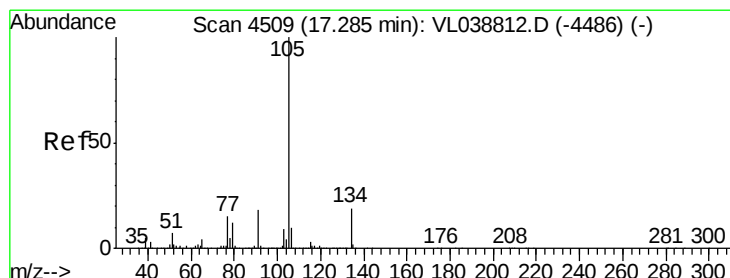
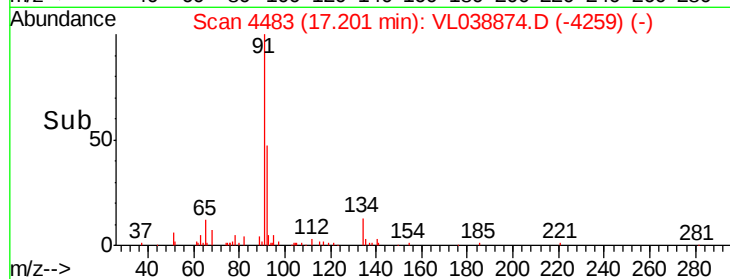
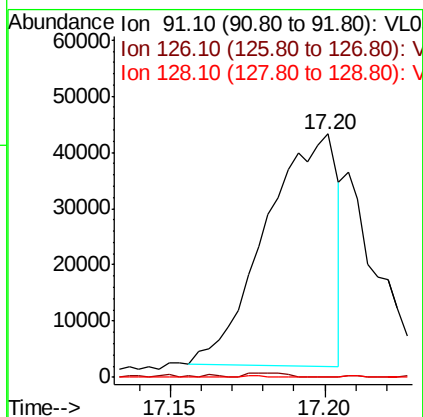
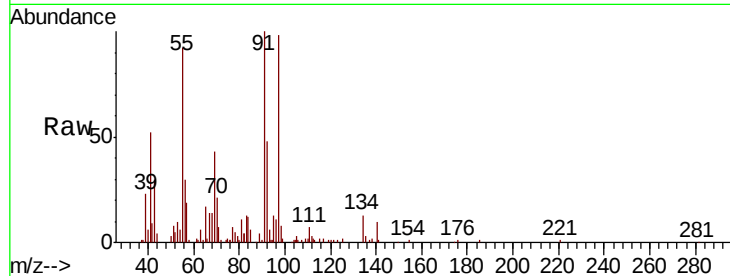
Tgt Ion:119 Resp: 481076
Ion Ratio Lower Upper
119 100
91 113.2 62.8 94.2#
134 0.2 16.2 24.4#





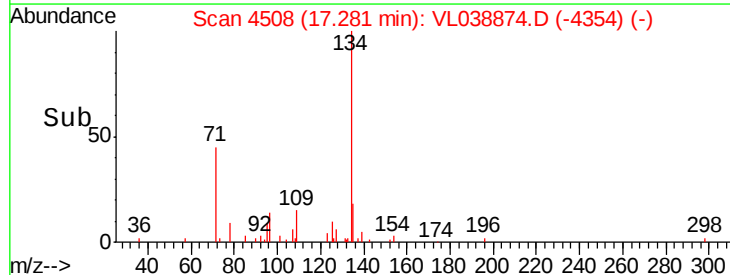
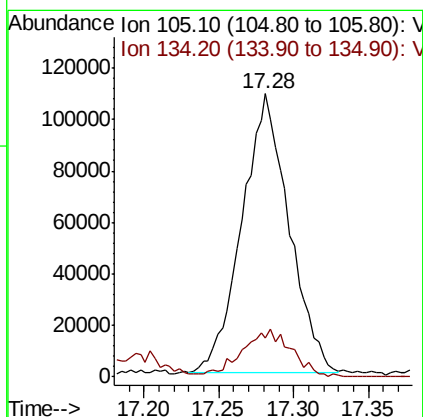
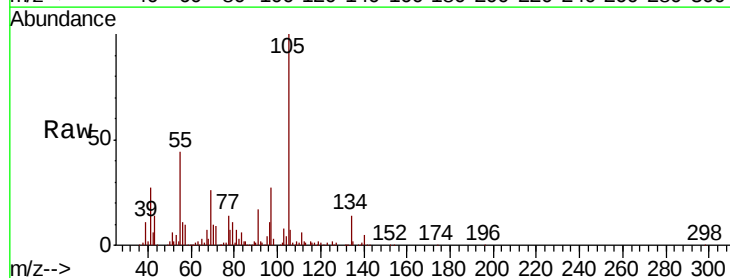
#66
Benzyl Chloride
Concen: 0.705 ppbv
RT: 17.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 17:40

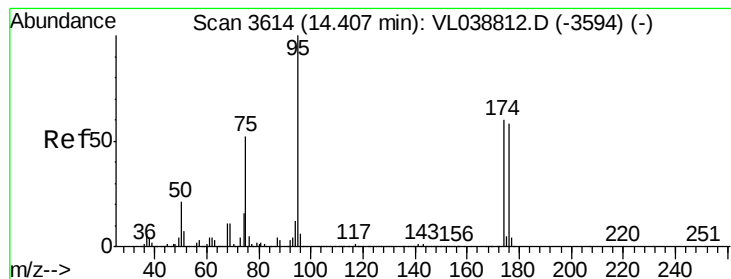
Tot Ion	91	Resp	65967
Ion Ratio	Lower	Upper	
91	100		
126	1.0	15.4	23.0#
128	0.0	4.7	7.1#



#67
sec-Butylbenzene
Concen: 0.366 ppbv
RT: 17.28 min Scan# 4508
Delta R.T.: -0.00 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

Tgt Ion	105	Resp	236003
Ion Ratio	Lower	Upper	
105	100		
134	18.0	15.1	22.7





#68

1-Bromo-4-Fluorobenzene

Concen: 11.235 ppbv

RT: 14.41 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 17:40

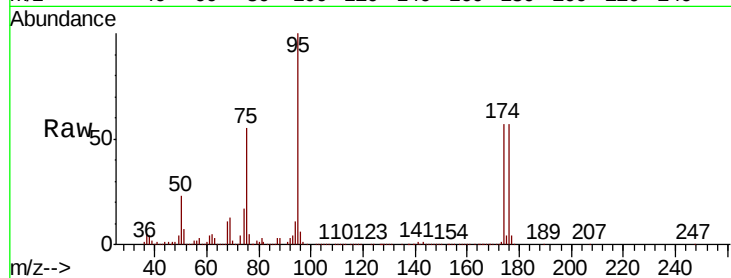
Tot Ion: 95 Resp: 2502621

Ion Ratio Lower Upper

95 100

174 59.8 52.0 78.0

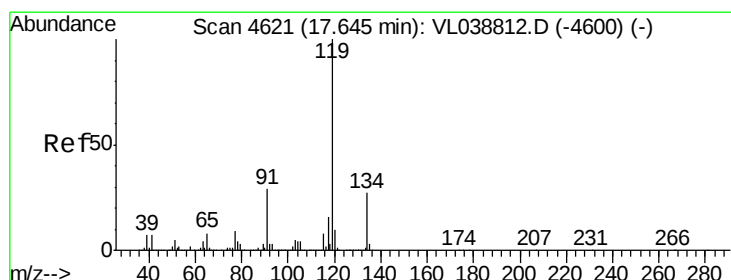
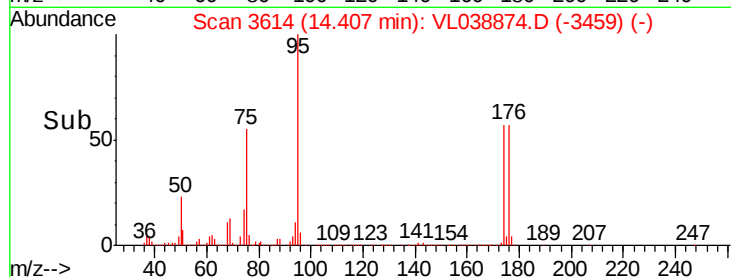
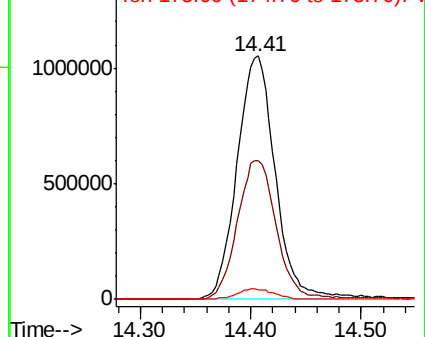
175 4.3 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.574 ppbv

RT: 17.53 min Scan# 4584

Delta R.T. -0.12 min

Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

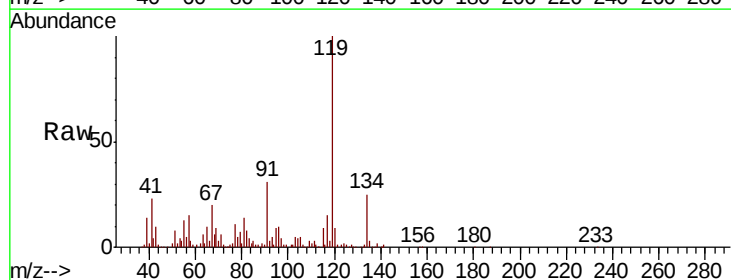
Tgt Ion: 119 Resp: 303962

Ion Ratio Lower Upper

119 100

134 26.5 20.8 31.2

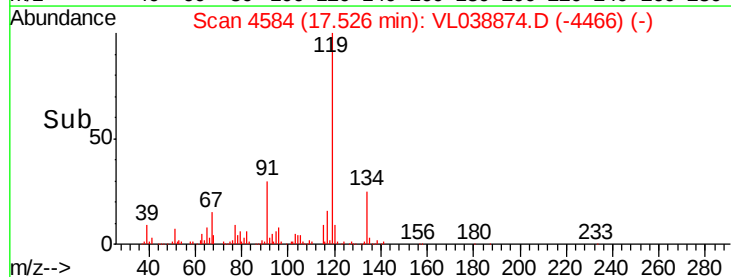
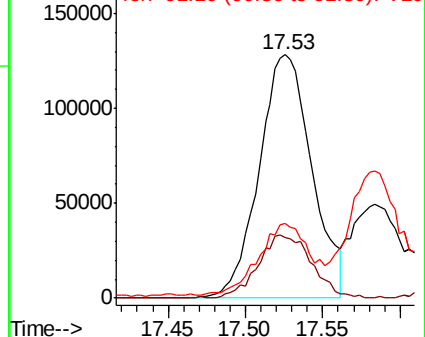
91 28.0 22.6 34.0

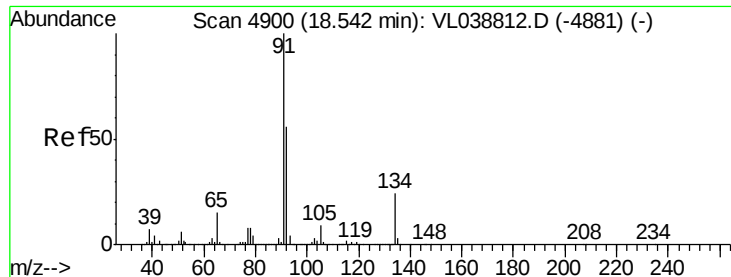


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

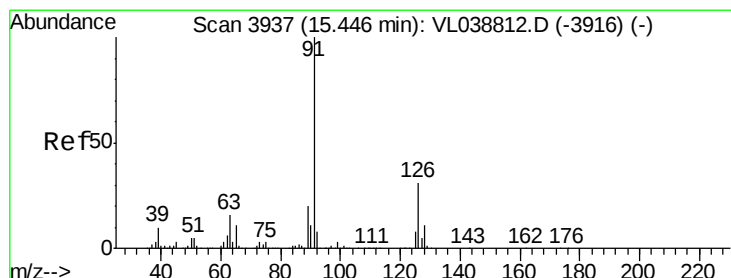
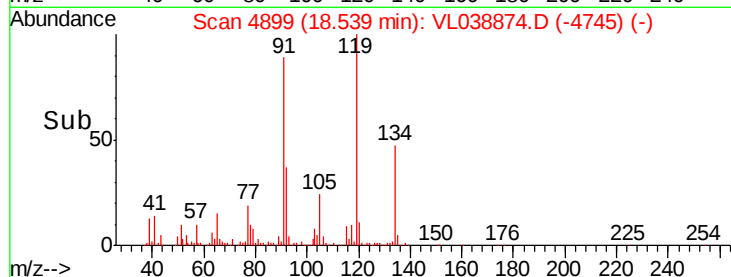
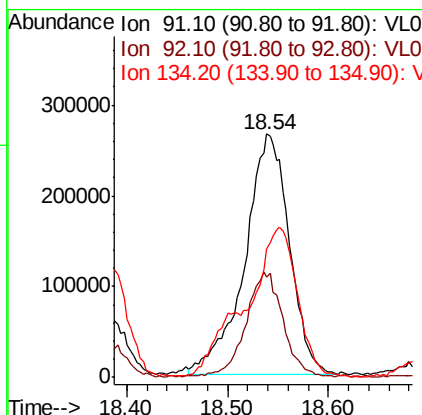
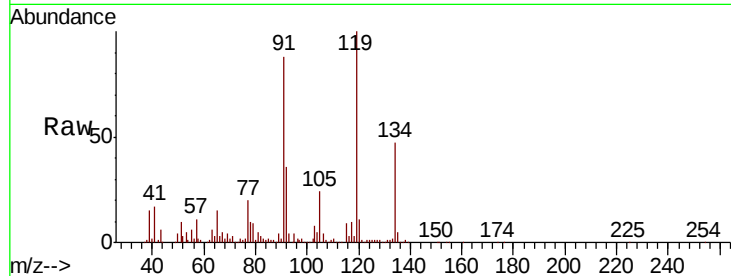
Ion 91.10 (90.80 to 91.80): VL0





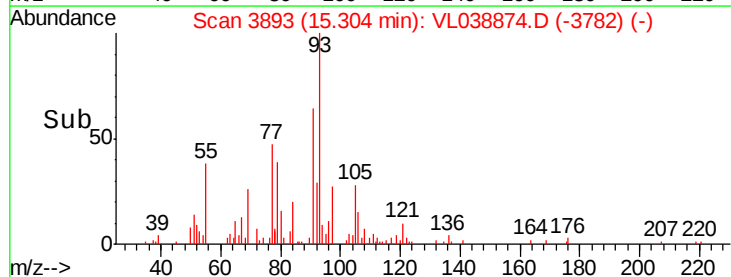
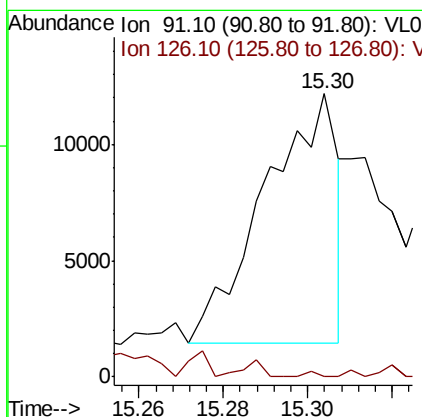
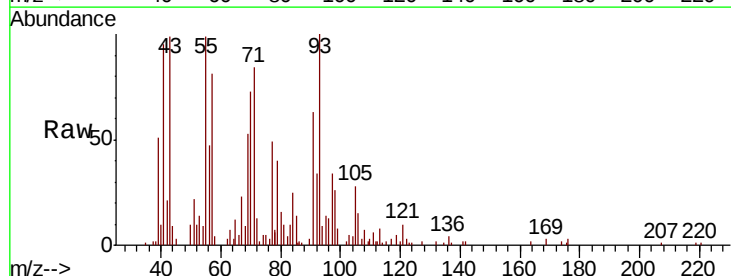
#70
n-Butylbenzene
Concen: 1.516 ppbv
RT: 18.54 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampled :
Acq: 11 Apr 2022 17:40

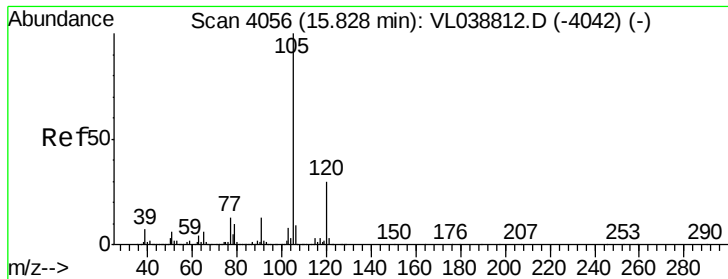
Tot Ion	Ratio	Lower	Upper
91	100		
92	36.9	44.6	66.8#
134	73.8	19.2	28.8#



#71
2-Chlorotoluene
Concen: 0.033 ppbv
RT: 15.30 min Scan# 3893
Delta R.T.: -0.14 min
Lab File: VL038874.D
Acq: 11 Apr 2022 17:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	45.0	13.0	51.8





#72

4-Ethyltoluene

Concen: 3.348 ppbv

RT: 15.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 17:40

Tot Ion:105 Resp: 1379235

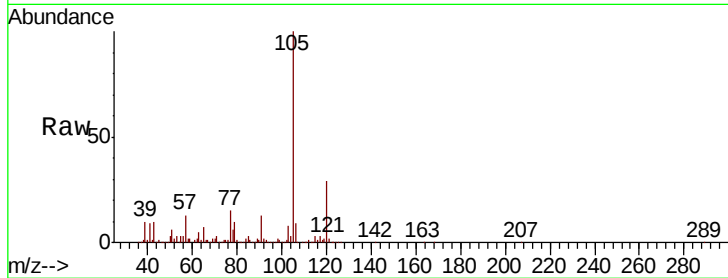
Ion Ratio Lower Upper

105 100

120 28.1 24.3 36.5

91 12.5 9.4 14.2

77 13.9 10.6 15.8

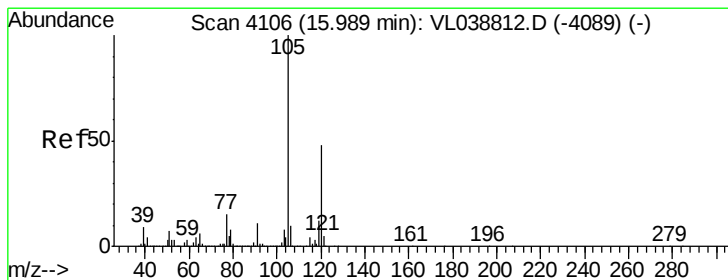
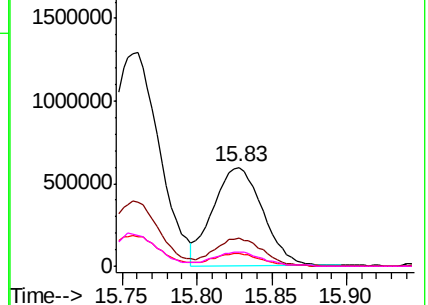
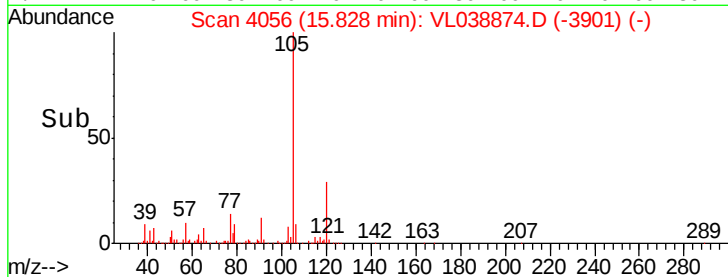


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 3.475 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL038874.D

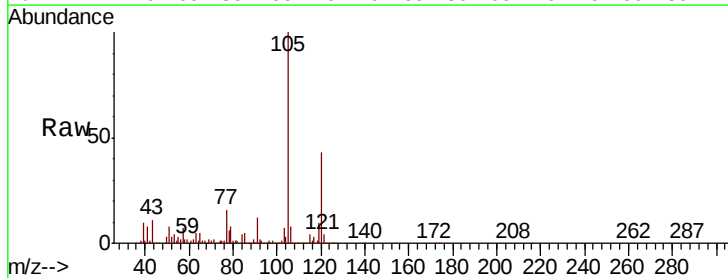
Acq: 11 Apr 2022 17:40

Tgt Ion:105 Resp: 1285979

Ion Ratio Lower Upper

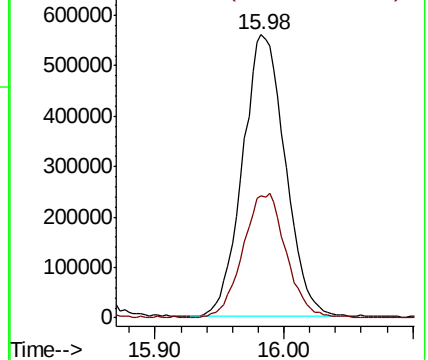
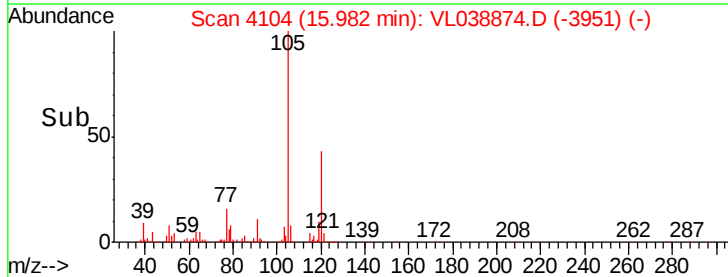
105 100

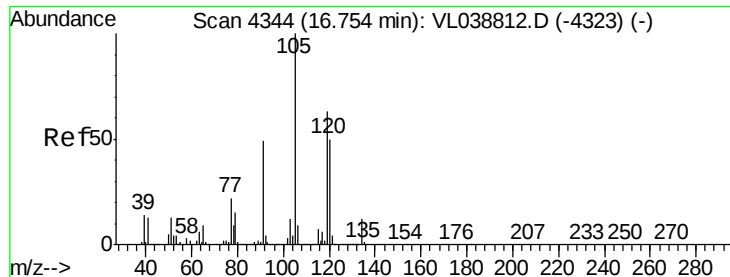
120 43.0 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 11.276 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 17:40

Tot Ion:105 Resp: 4411048

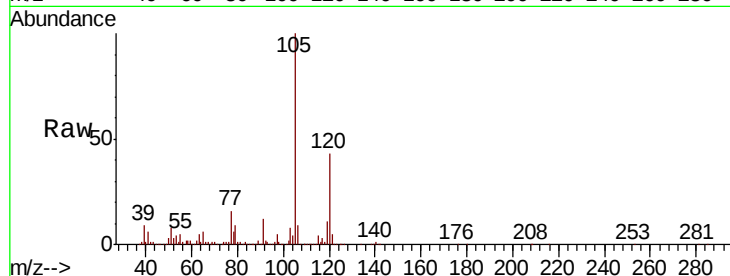
Ion Ratio Lower Upper

105 100

120 42.6 39.8 59.8

91 12.2 39.4 59.0#

77 15.8 17.3 25.9#



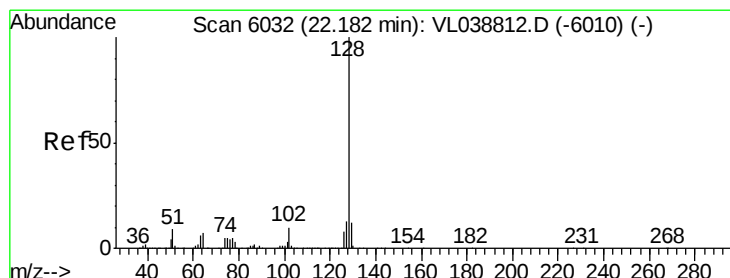
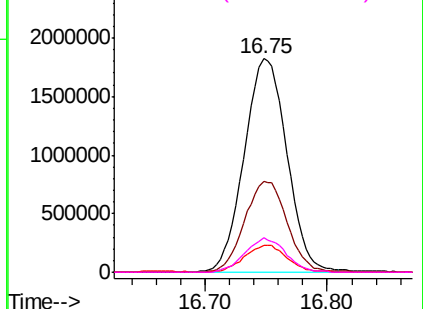
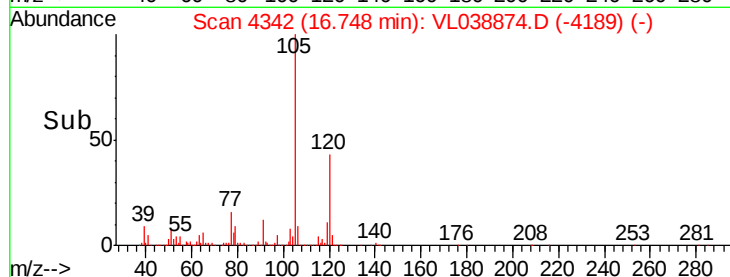
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 2.211 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.00 min

Lab File: VL038874.D

Acq: 11 Apr 2022 17:40

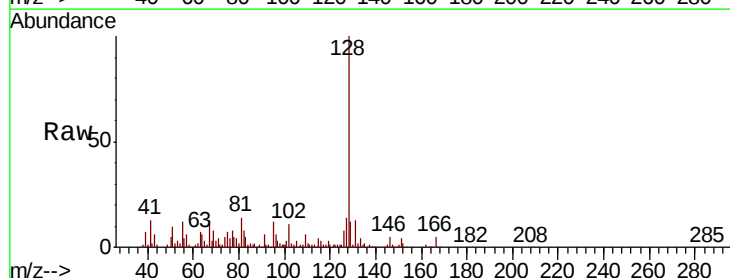
Tgt Ion:128 Resp: 647114

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 12.0 9.4 14.0

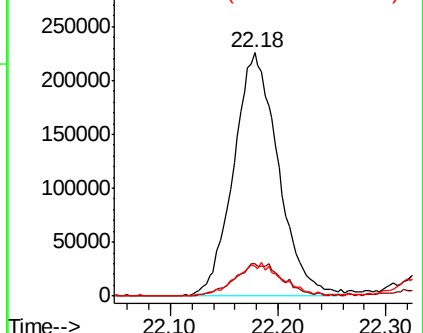
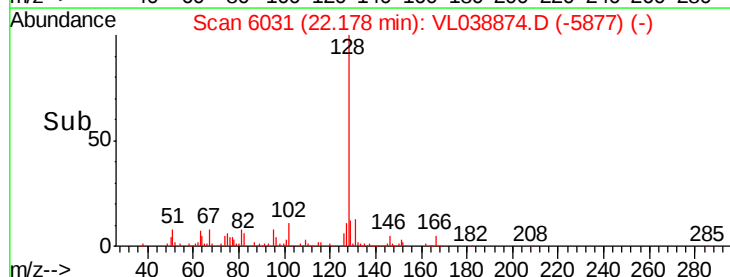


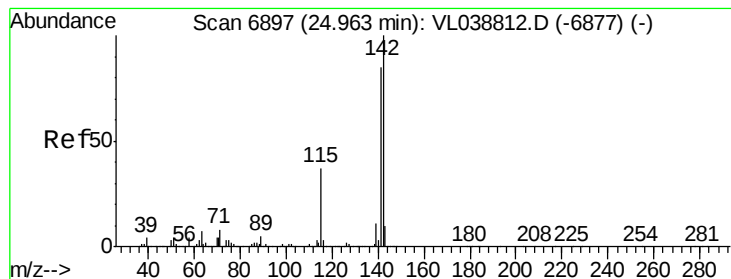
Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

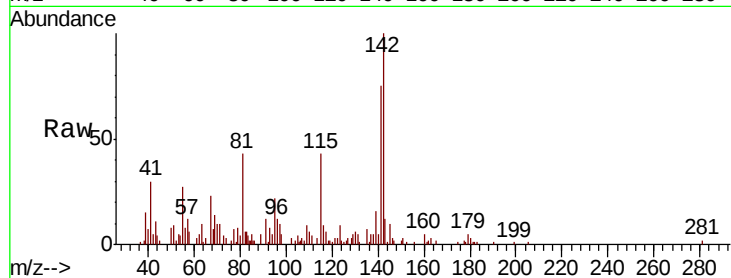
Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.657 ppbv
 RT: 25.28
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 17:40

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.8	103.2
115	46.0	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

