

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041122\
 Data File : VL038880.D
 Acq On : 11 Apr 2022 21:38
 Operator : SY/AP
 Sample : N2332-03DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Apr 12 02:52:08 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	5.66	49	1143552	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3257399	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3004436	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2421426	10.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	25931	0.160	ppbv 97
3) Chlorodifluoromethane	2.99	51	17772	0.127	ppbv 96
4) Chloromethane	3.14	50	8825	0.122	ppbv 94
9) Propene	3.01	41	212618	2.879	ppbv 88
10) Heptane	8.11	43	567470	3.051	ppbv 99
11) Trichlorofluoromethane	3.95	101	7999	0.061	ppbv 96
13) Ethanol	3.60	45	229229	51.084	ppbv # 100
15) Acetone	3.84	43	7166691	62.948	ppbv 99
16) 1,3-Butadiene	3.33	39	11475	0.176	ppbv # 42
17) tert-Butyl alcohol	4.31	59	531451	5.205	ppbv # 72
19) Isopropyl Alcohol	3.96	45	1455419	25.012	ppbv # 100
20) Methylene Chloride	4.34	84	25349	0.614	ppbv 92
21) Allyl Chloride	4.37	41	6059	0.071	ppbv # 1
23) Vinyl Acetate	5.05	43	30162	0.272	ppbv # 1
25) Ethyl Acetate	5.66	43	8653111	29.954	ppbv # 88
26) Hexane	5.68	57	139001	1.057	ppbv # 1
30) Cyclohexane	7.13	84	25379	0.219	ppbv # 1
31) cis-1,2-Dichloroethene	5.66	61	1193936	9.875	ppbv # 23
34) 2-Butanone	5.24	43	1745574	13.562	ppbv 97
36) Benzene	6.88	78	225596	0.761	ppbv 95
39) 1,2-Dichloropropane	7.17	63	782639	6.905	ppbv # 26
41) Tetrahydrofuran	6.05	42	135060	1.105	ppbv # 88
43) Methyl Methacrylate	8.00	69	3468	0.031	ppbv # 1
44) 2,2,4-Trimethylpentane	7.89	57	32470	0.065	ppbv # 43
50) 4-Methyl-2-Pentanone	8.74	43	444836	1.536	ppbv 98
51) 2-Hexanone	10.10	43	146538	0.672	ppbv # 30
52) Tetrachloroethene	11.21	164	4580	0.044	ppbv 87
53) Toluene	9.80	91	16244626	47.488	ppbv 89
57) Chlorobenzene	12.14	112	20334	0.083	ppbv # 26
58) Ethyl Benzene	12.70	91	1013000	2.256	ppbv 94
59) m/p-Xylene	12.95	91	2916834	7.733	ppbv 99
60) o-Xylene	13.68	91	940328	2.664	ppbv 94
61) Styrene	13.52	104	1178727	5.482	ppbv 99
62) Isopropylbenzene	14.66	105	40228	0.076	ppbv 95
64) n-propylbenzene	15.55	120	17515	0.127	ppbv # 1
65) tert-Butylbenzene	16.75	119	34936	0.074	ppbv # 4
70) n-Butylbenzene	18.54	91	23091	0.042	ppbv # 13
71) 2-Chlorotoluene	15.82	91	13838	0.035	ppbv 69
72) 4-Ethyltoluene	15.83	105	97624	0.232	ppbv # 51
73) 1,3,5-Trimethylbenzene	15.99	105	151510	0.400	ppbv 99
74) 1,2,4-Trimethylbenzene	16.75	105	496821	1.241	ppbv # 71

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Instrument :
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ClientSampleId :
IA-3DL

Quant Time: Apr 12 02:52:08 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

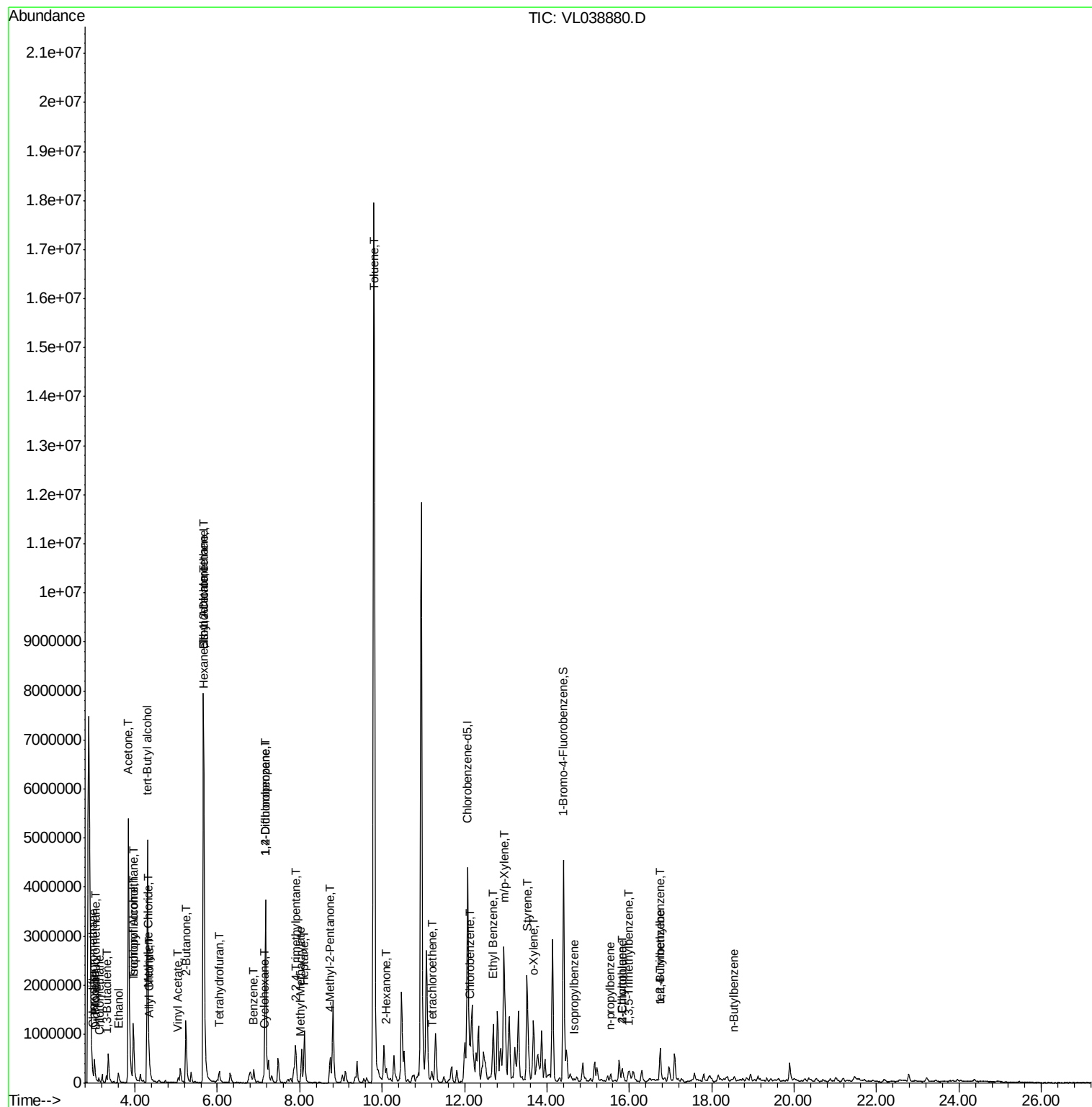
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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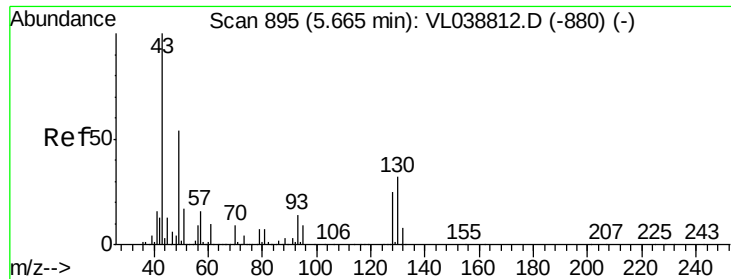
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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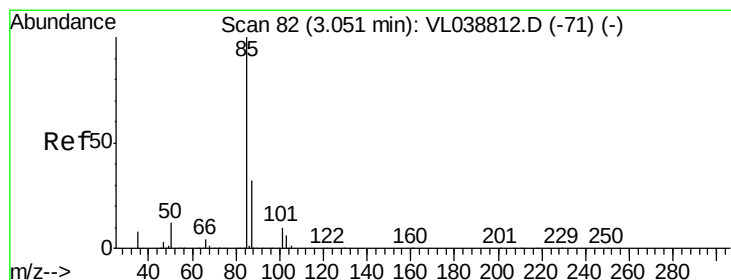
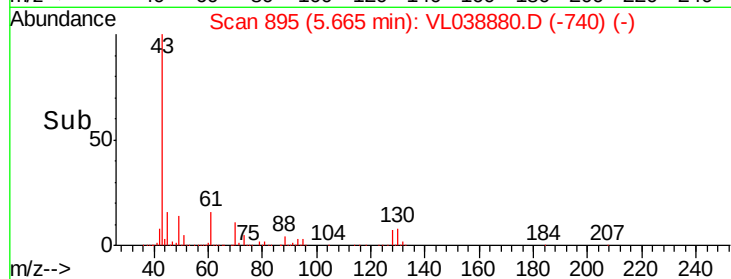
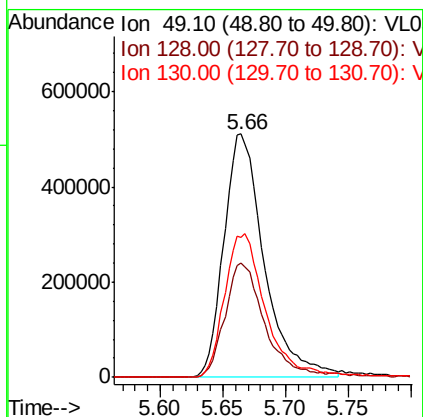
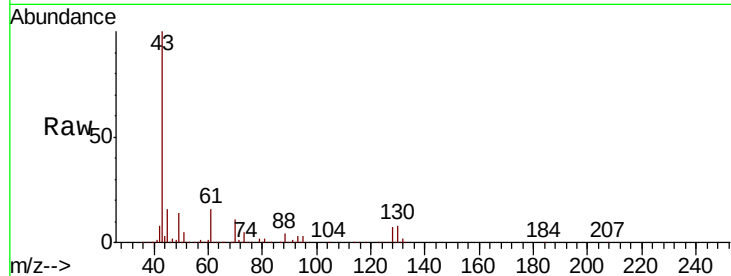
Quant Time: Apr 12 02:52:08 2022
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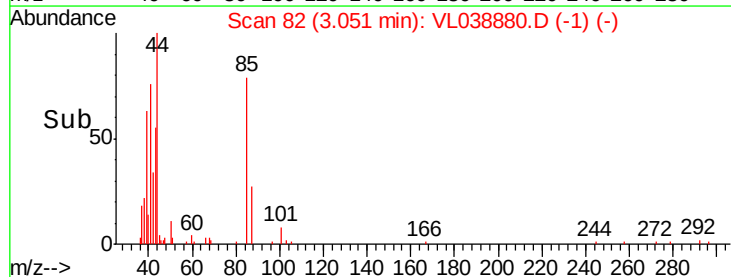
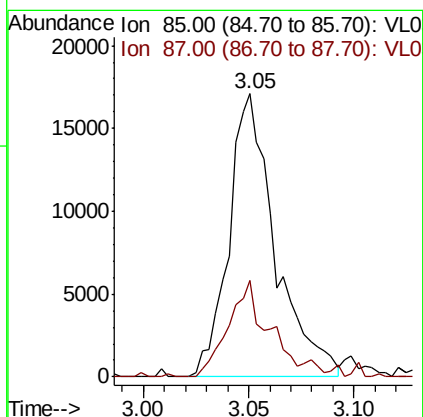
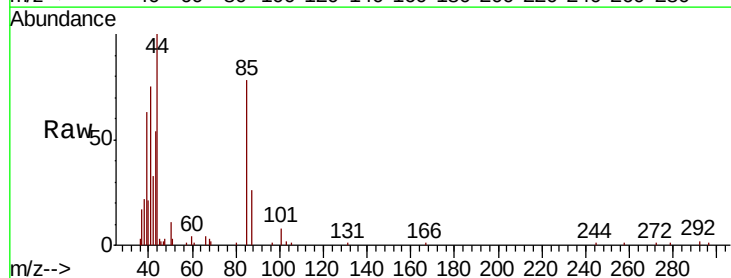
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 11 Apr 2022 21:38

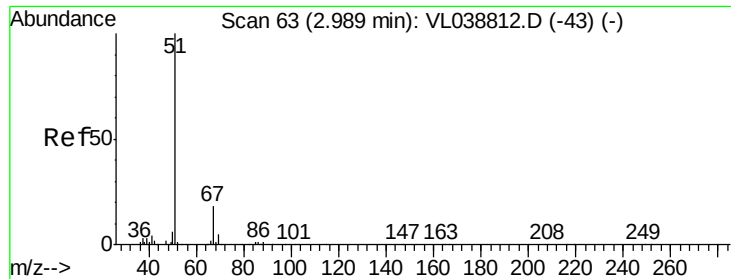
Tot Ion: 49 Resp: 1143552
 Ion Ratio Lower Upper
 49 100
 128 47.7 24.1 72.3
 130 60.9 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.160 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VL038880.D
 Acq: 11 Apr 2022 21:38

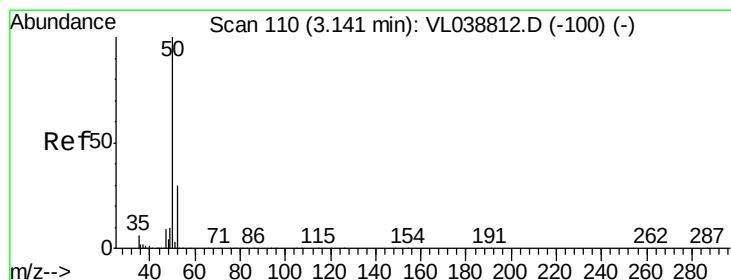
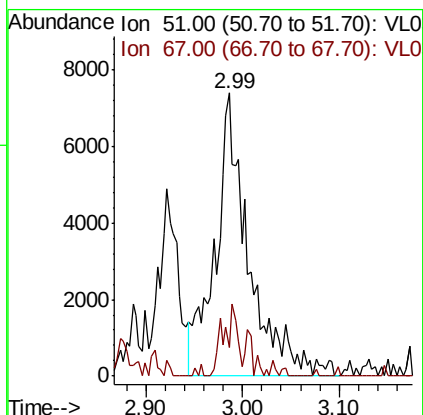
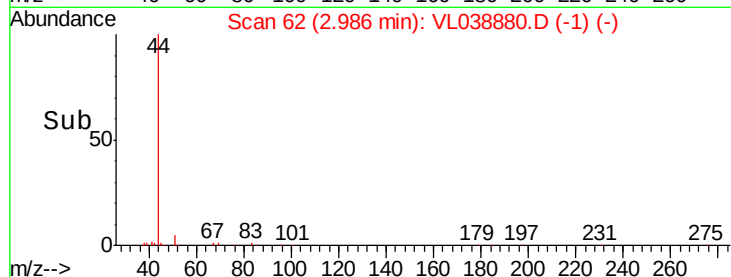
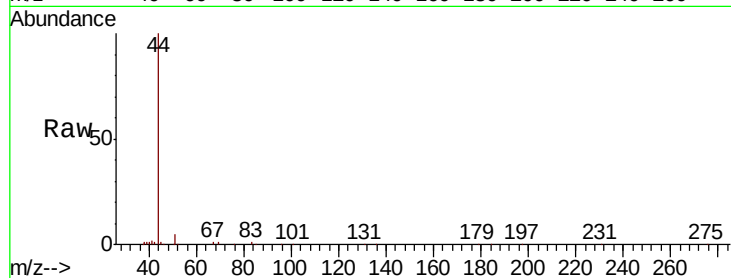
Tgt Ion: 85 Resp: 25931
 Ion Ratio Lower Upper
 85 100
 87 34.0 25.9 38.9





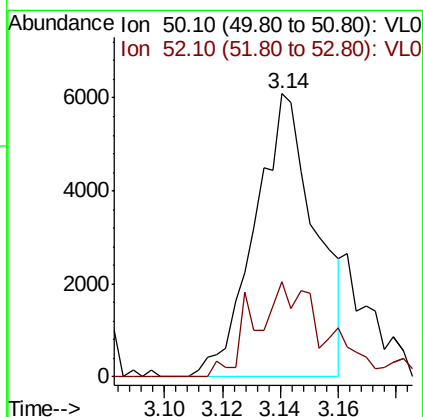
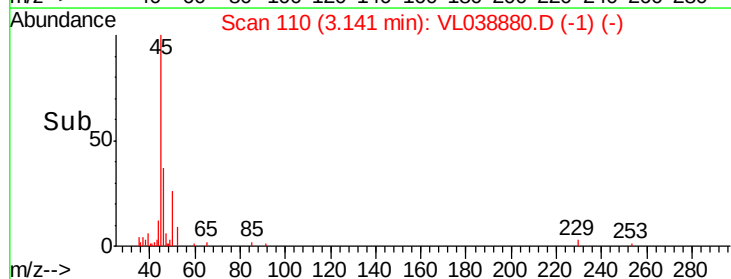
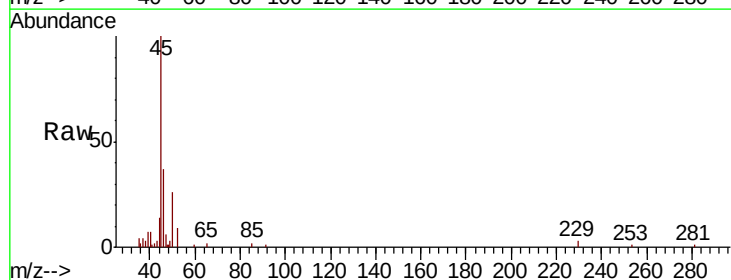
#3
 Chlorodifluoromethane
 Concen: 0.127 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 21:38

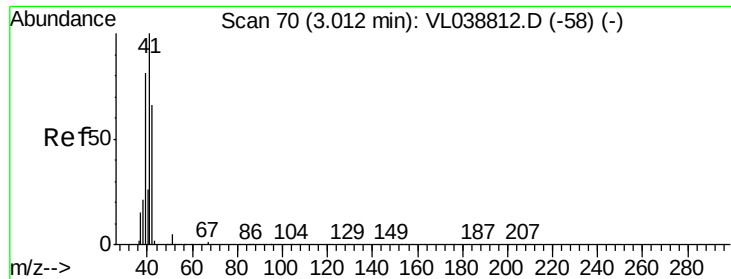
Tot Ion: 51 Resp: 17772
 Ion Ratio Lower Upper
 51 100
 67 14.8 13.4 20.0



#4
 Chloromethane
 Concen: 0.122 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: VL038880.D
 Acq: 11 Apr 2022 21:38

Tgt Ion: 50 Resp: 8825
 Ion Ratio Lower Upper
 50 100
 52 33.7 24.3 36.5





#9

Propene

Concen: 2.879 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

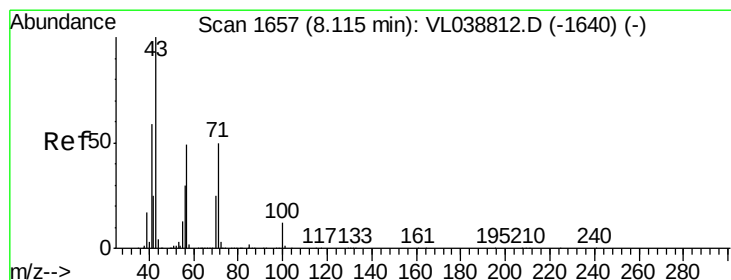
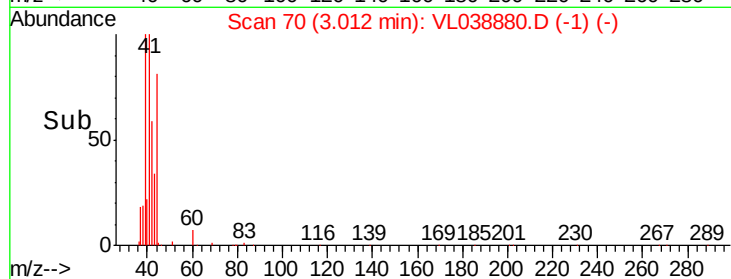
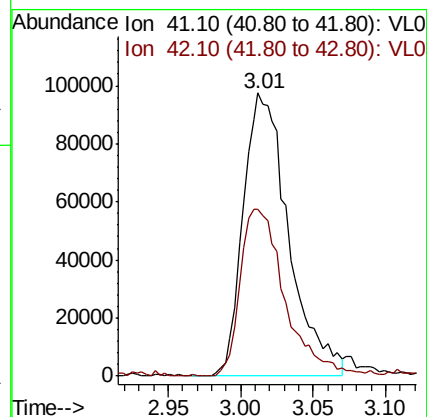
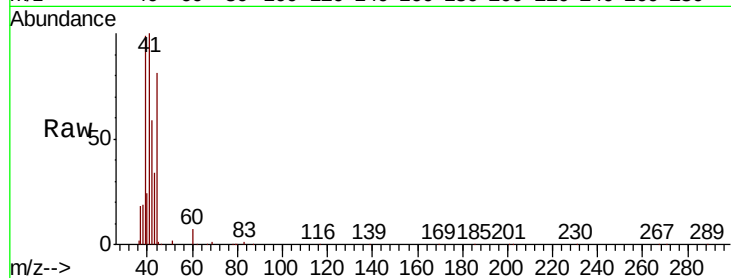
Acq: 11 Apr 2022 21:38

Tot Ion: 41 Resp: 212618

Ion Ratio Lower Upper

41 100

42 58.4 54.2 81.4



#10

Heptane

Concen: 3.051 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL038880.D

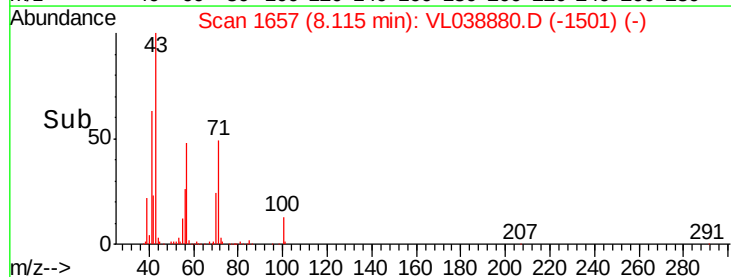
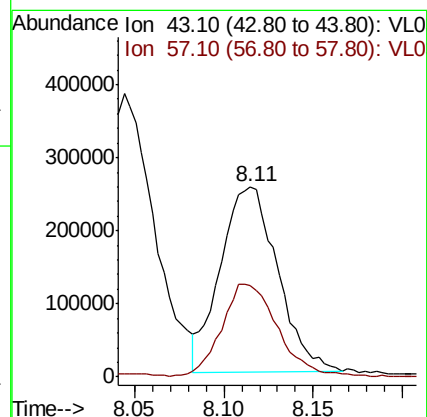
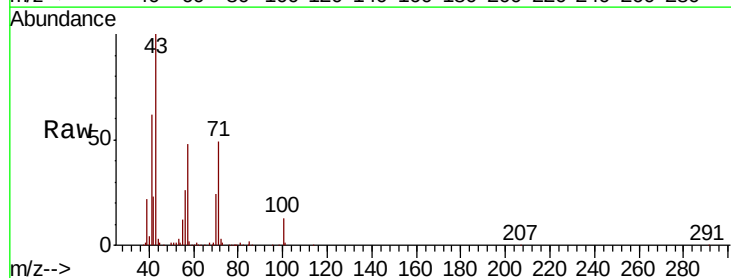
Acq: 11 Apr 2022 21:38

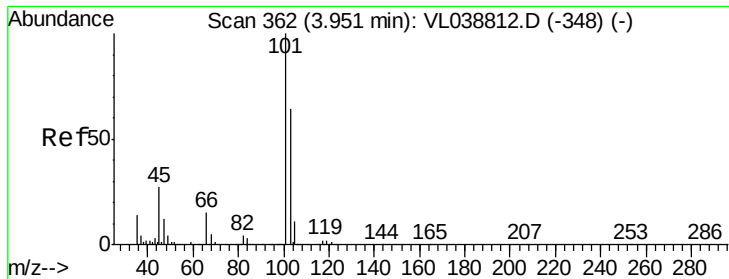
Tgt Ion: 43 Resp: 567470

Ion Ratio Lower Upper

43 100

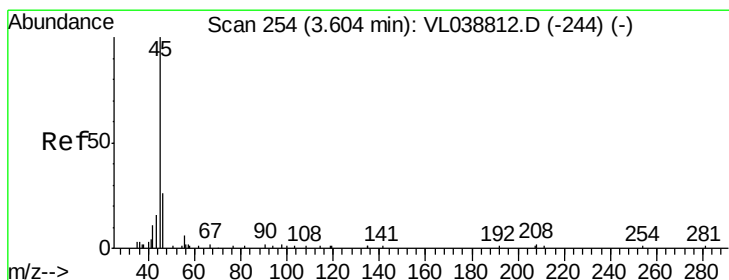
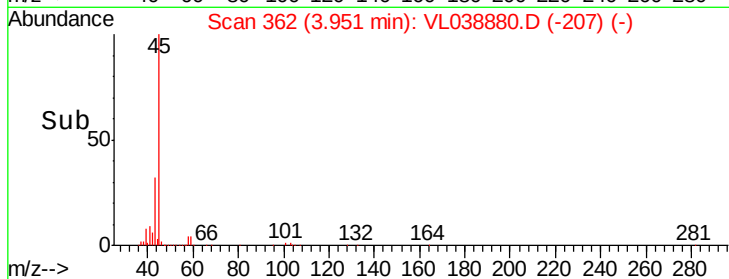
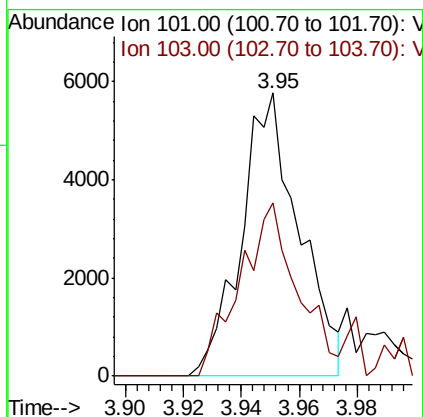
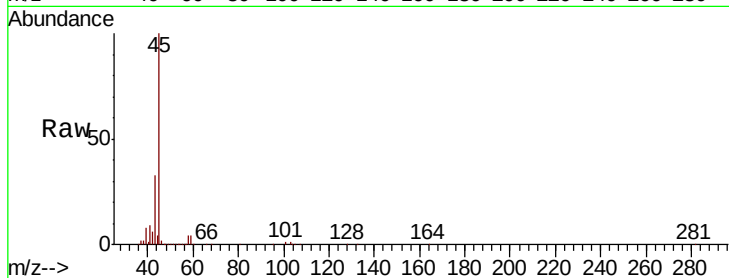
57 49.7 39.3 58.9





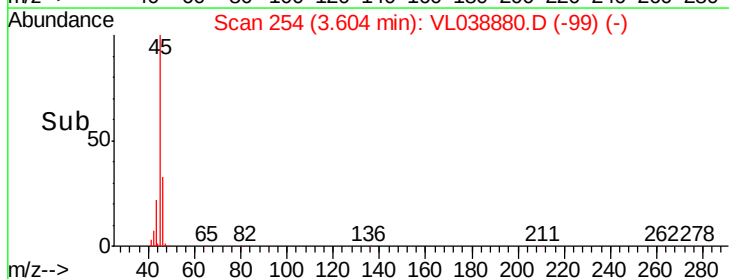
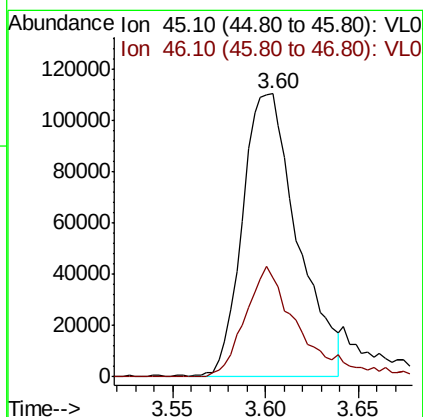
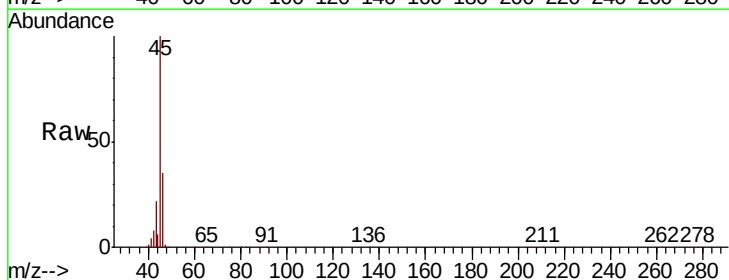
#11
 Trichlorofluoromethane
 Concen: 0.061 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 21:38

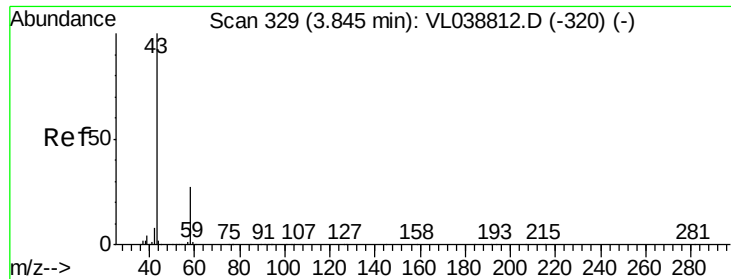
Tot Ion: 101 Resp: 7999
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.4 77.0



#13
 Ethanol
 Concen: 51.084 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VL038880.D
 Acq: 11 Apr 2022 21:38

Tgt Ion: 45 Resp: 229229
 Ion Ratio Lower Upper
 45 100
 46 39.7 0.0 0.0#





#15

Acetone

Concen: 62.948 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

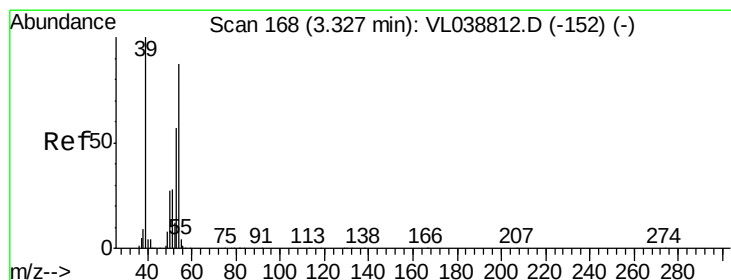
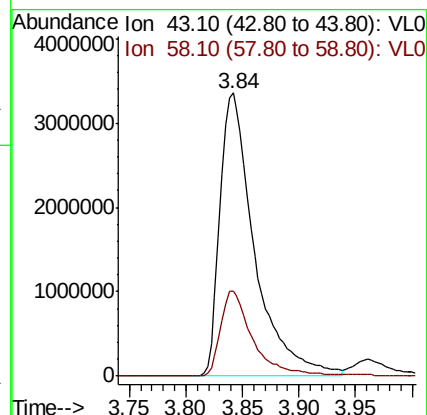
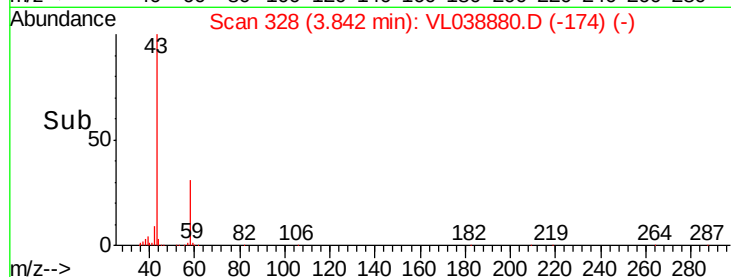
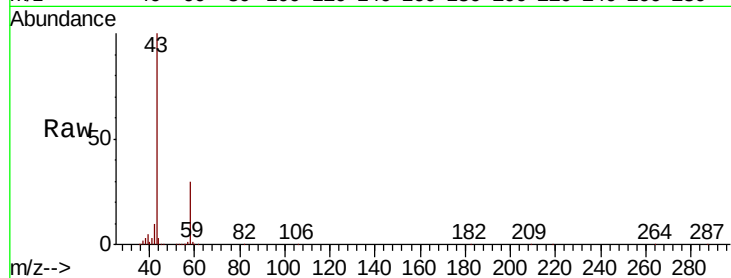
Acq: 11 Apr 2022 21:38

Tot Ion: 43 Resp: 7166691

Ion Ratio Lower Upper

43 100

58 28.8 22.5 33.7



#16

1,3-Butadiene

Concen: 0.176 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL038880.D

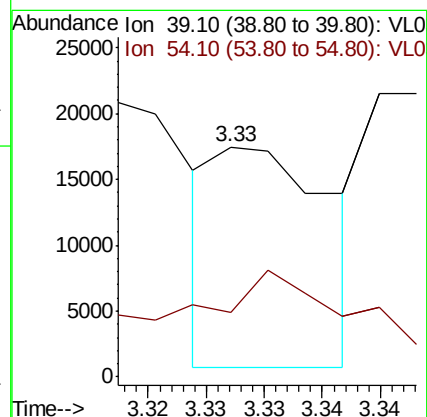
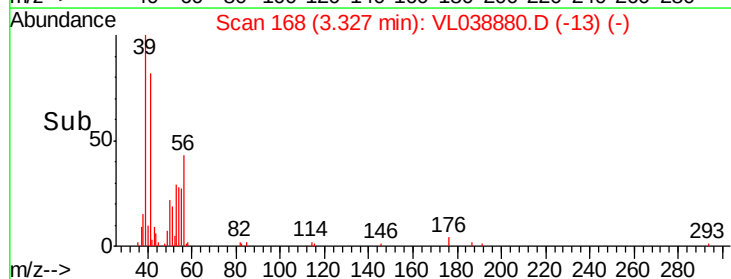
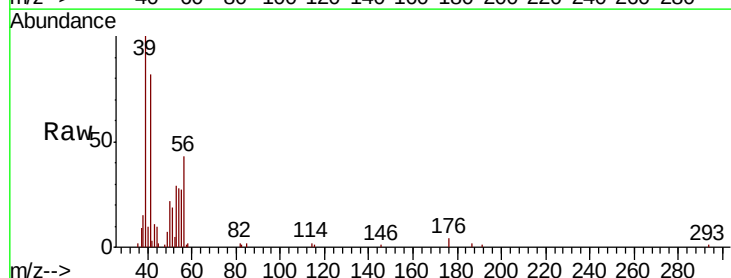
Acq: 11 Apr 2022 21:38

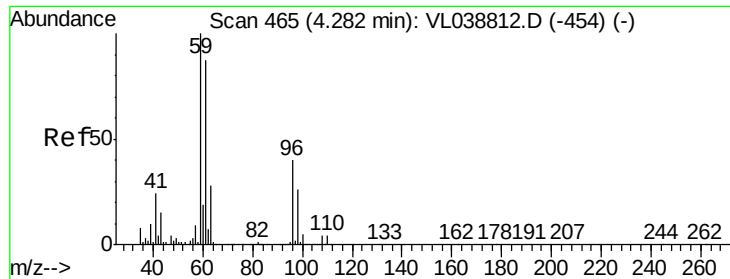
Tgt Ion: 39 Resp: 11475

Ion Ratio Lower Upper

39 100

54 132.2 64.8 97.2#





#17

tert-Butyl alcohol

Concen: 5.205 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

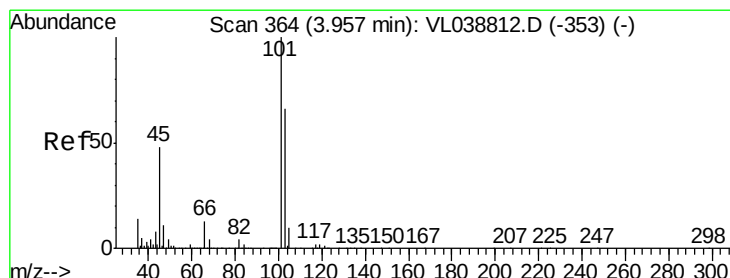
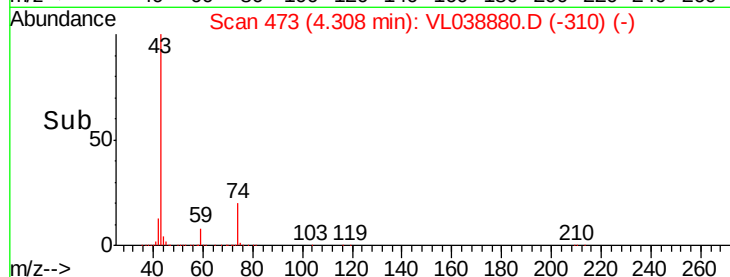
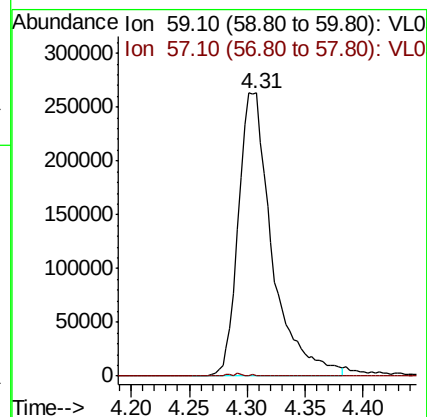
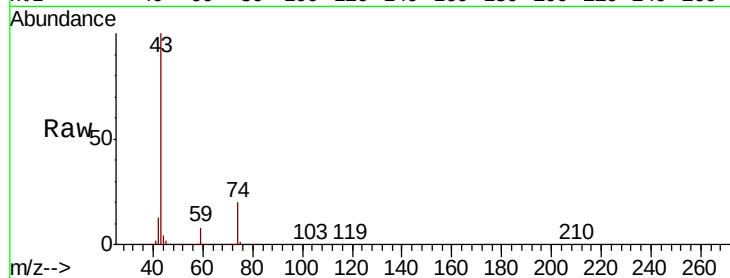
Acq: 11 Apr 2022 21:38

Tot Ion: 59 Resp: 531451

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 25.012 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VL038880.D

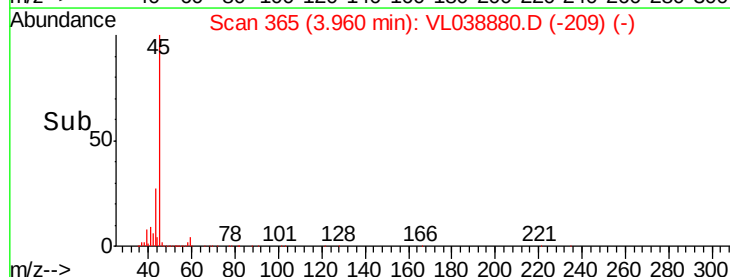
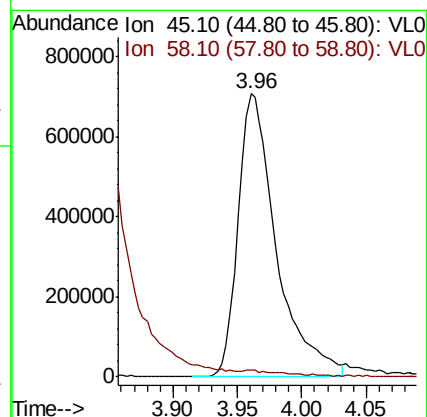
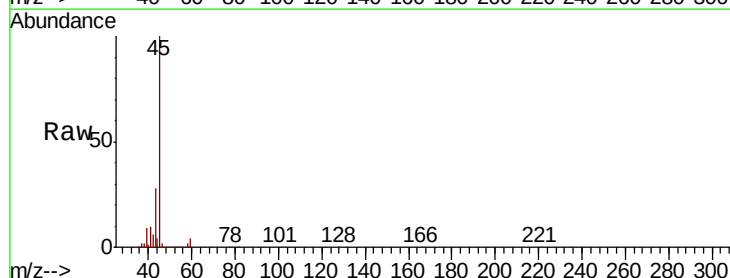
Acq: 11 Apr 2022 21:38

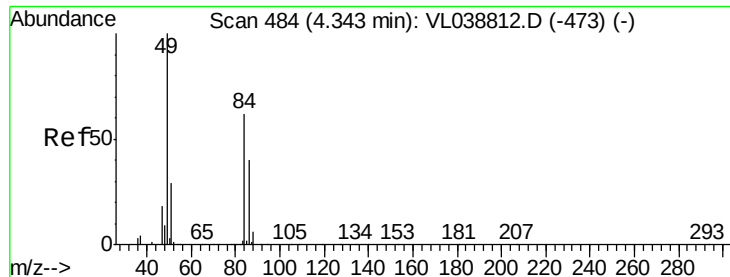
Tgt Ion: 45 Resp: 1455419

Ion Ratio Lower Upper

45 100

58 141.9 0.0 0.0#





#20

Methylene Chloride

Concen: 0.614 ppbv

RT: 4.34 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 21:38

Tot Ion: 84 Resp: 25349

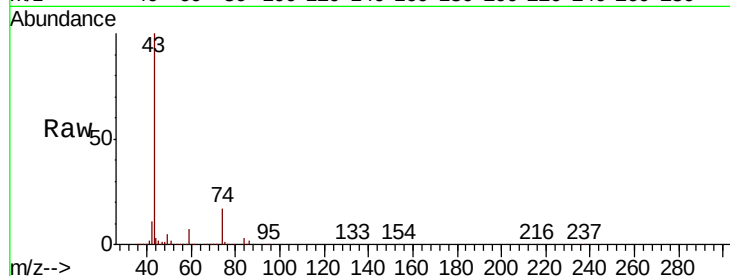
Ion Ratio Lower Upper

84 100

49 152.3 129.4 194.0

51 50.3 37.4 56.2

86 56.0 51.4 77.2

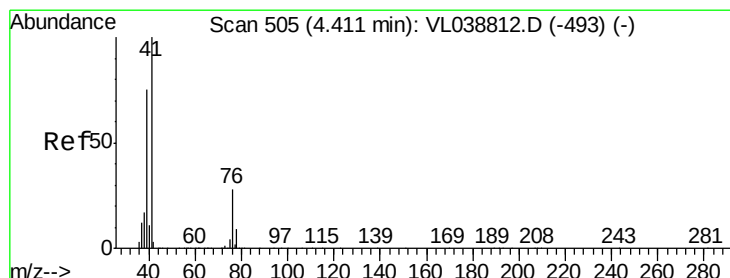
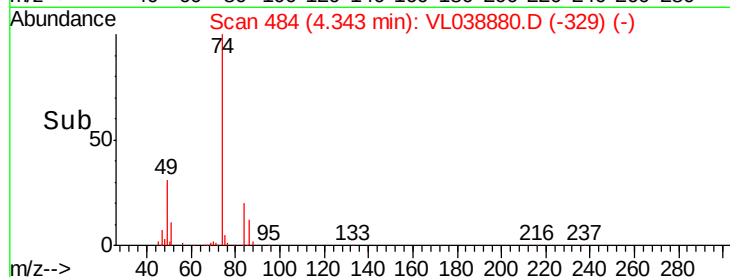
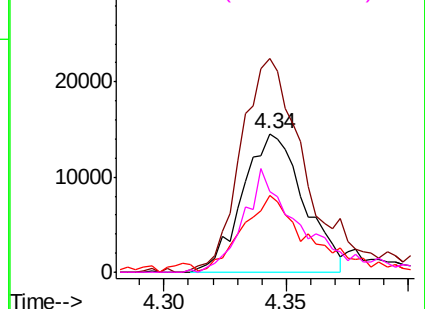


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.071 ppbv

RT: 4.37 min Scan# 491

Delta R.T. -0.05 min

Lab File: VL038880.D

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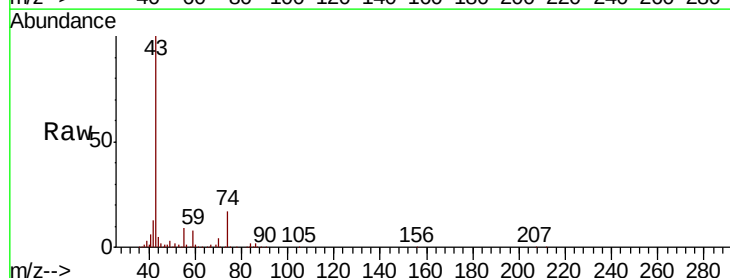
Tgt Ion: 41 Resp: 6059

Ion Ratio Lower Upper

41 100

76 4.2 23.7 35.5#

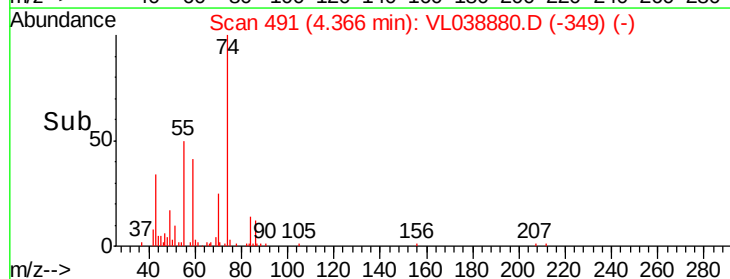
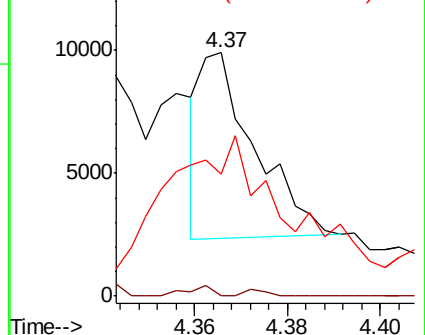
39 192.8 62.0 93.0#

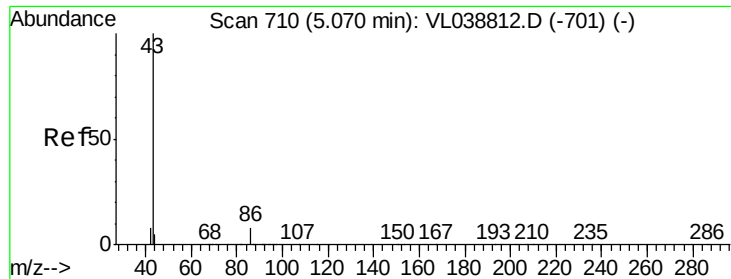


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.272 ppbv

RT: 5.05 Instrument:

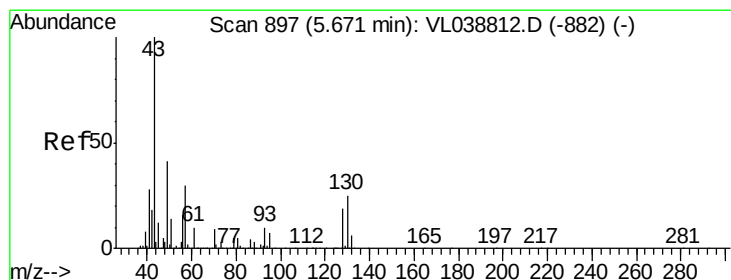
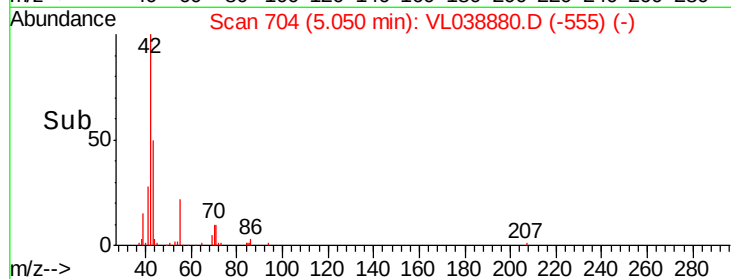
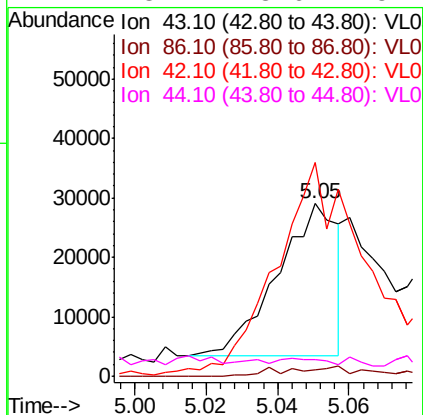
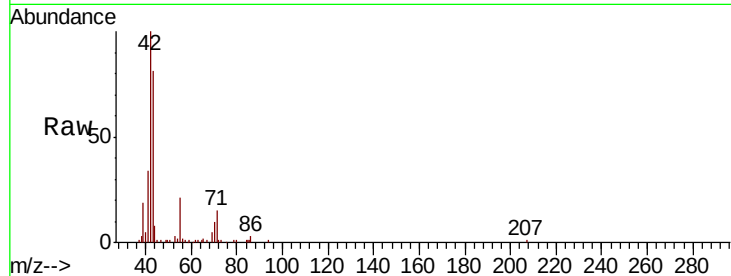
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 21:38

Tot Ion: 43 Resp: 30162

Ion	Ratio	Lower	Upper
43	100		
86	4.6	5.8	8.6#
42	135.1	7.8	11.6#
44	3.4	3.6	5.4#



#25

Ethyl Acetate

Concen: 29.954 ppbv

RT: 5.66 min Scan# 895

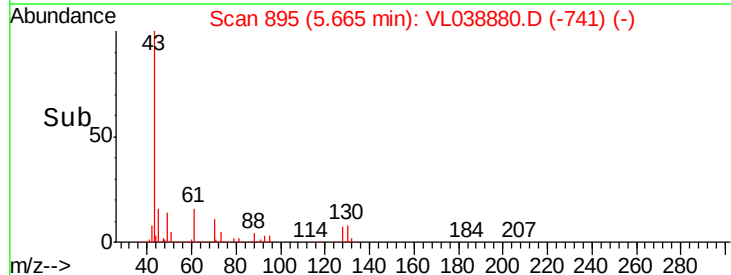
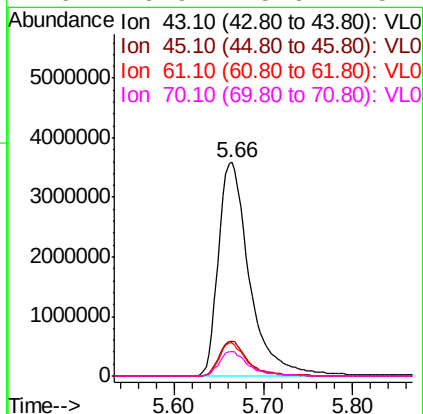
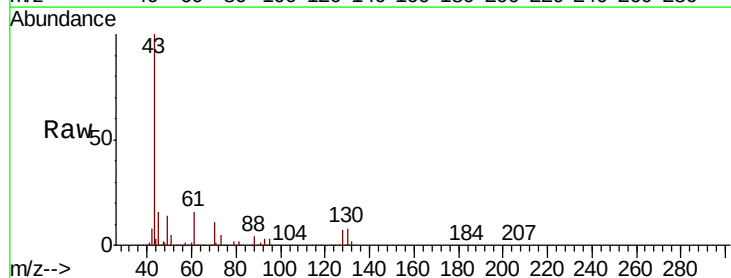
Delta R.T. -0.01 min

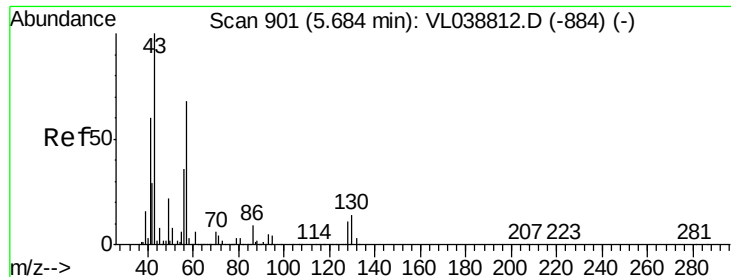
Lab File: VL038880.D

Acq: 11 Apr 2022 21:38

Tgt Ion: 43 Resp: 8653111

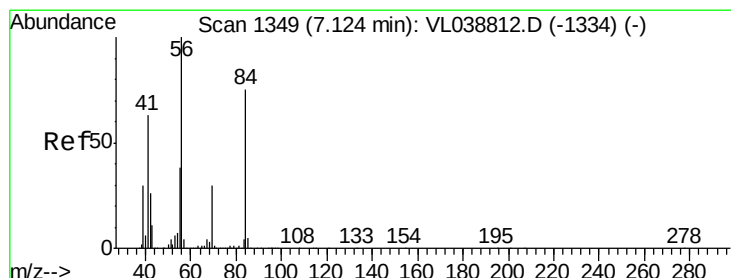
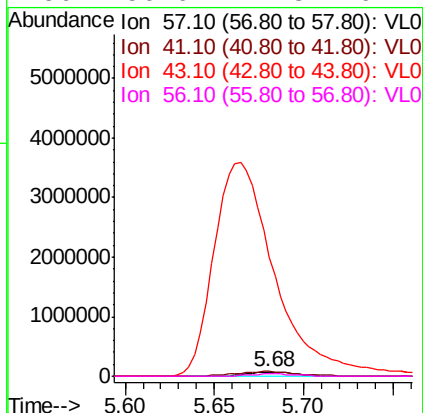
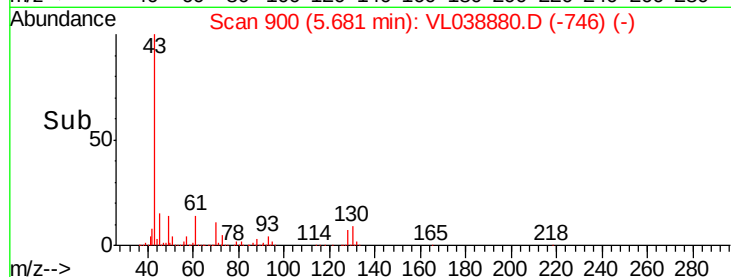
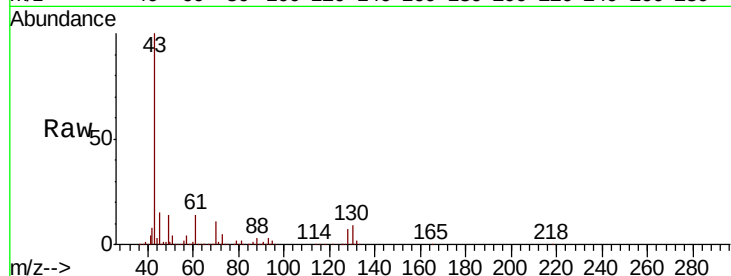
Ion	Ratio	Lower	Upper
43	100		
45	15.3	8.4	12.6#
61	14.2	7.9	11.9#
70	10.9	5.6	8.4#





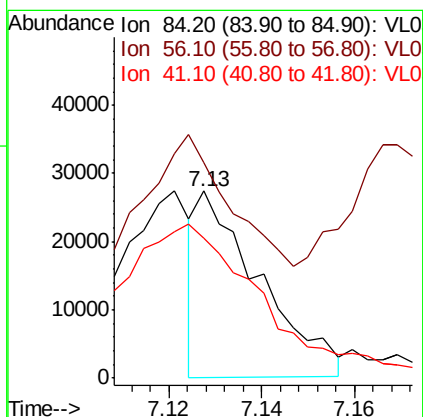
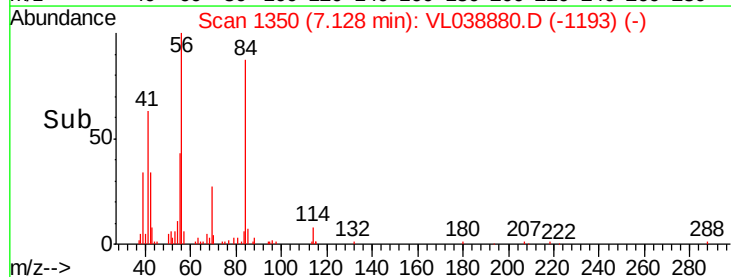
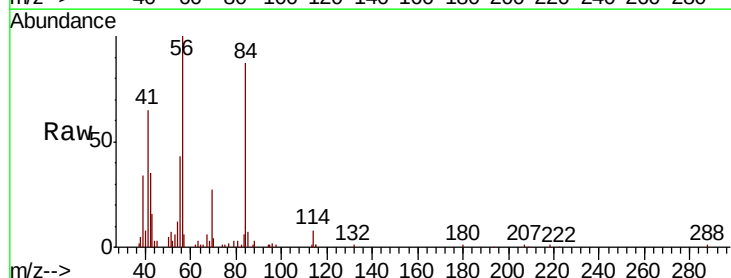
#26
Hexane
Concen: 1.057 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 21:38

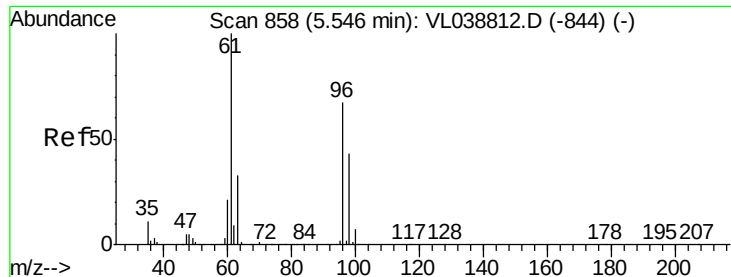
Tot Ion: 57 Resp: 139001
Ion Ratio Lower Upper
57 100
41 145.1 72.0 108.0#
43 6301.3 186.6 280.0#
56 56.6 42.8 64.2



#30
Cyclohexane
Concen: 0.219 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL038880.D
Acq: 11 Apr 2022 21:38

Tgt Ion: 84 Resp: 25379
Ion Ratio Lower Upper
84 100
56 261.1 114.4 171.6#
41 187.1 69.0 103.4#





#31

cis-1,2-Dichloroethene

Concen: 9.875 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 21:38

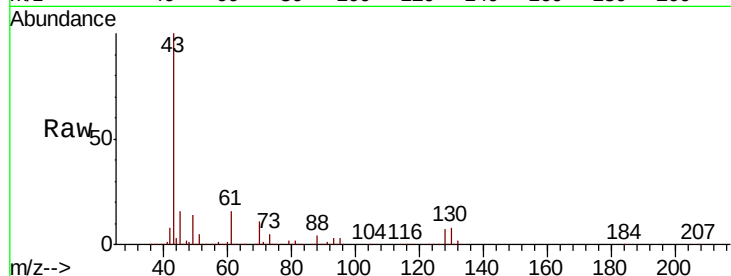
Tot Ion: 61 Resp: 1193936

Ion Ratio Lower Upper

61 100

96 0.3 53.4 80.0#

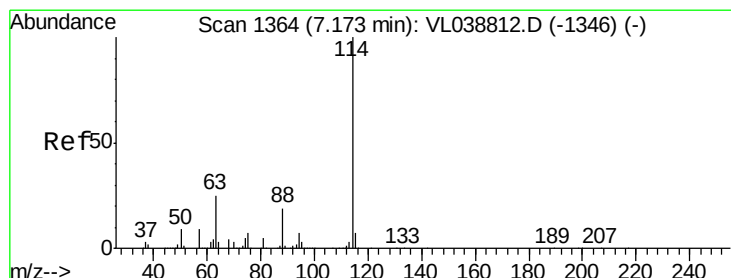
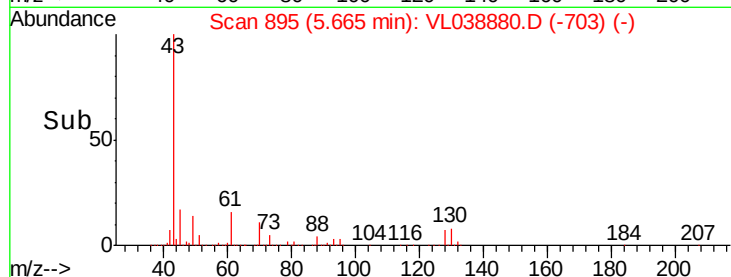
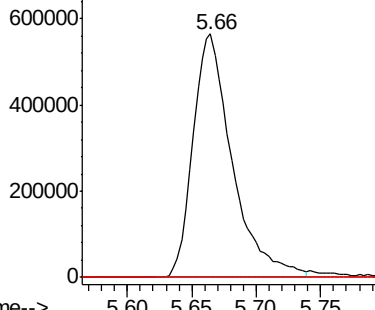
98 0.0 34.2 51.4#



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: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL038880.D

Acq: 11 Apr 2022 21:38

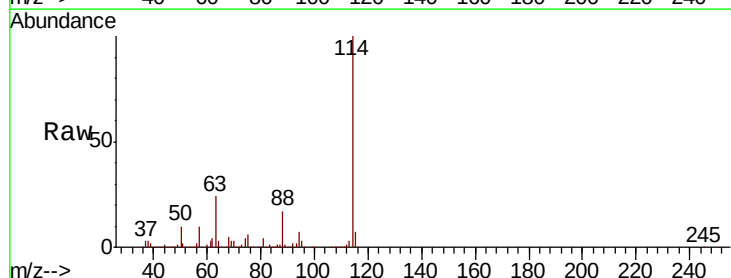
Tgt Ion: 114 Resp: 3257399

Ion Ratio Lower Upper

114 100

63 24.7 19.8 29.8

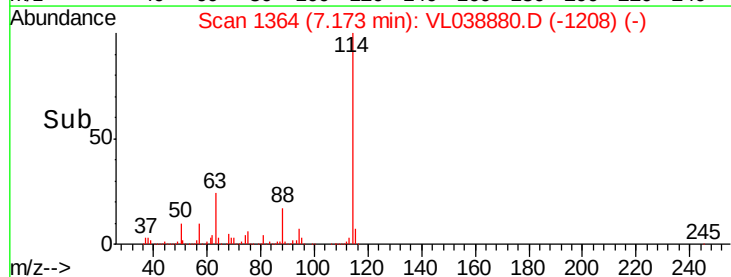
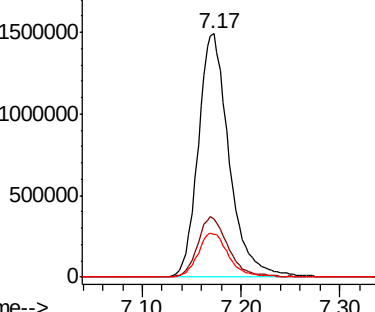
88 18.1 14.2 21.4

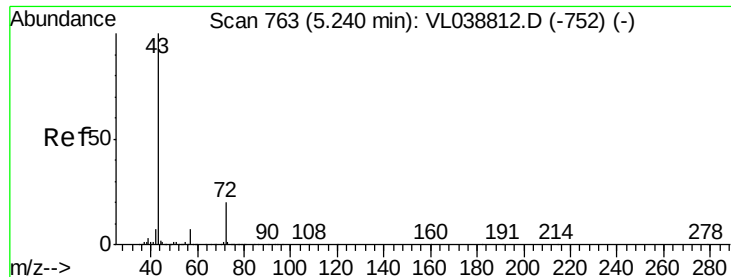


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 13.562 ppbv

RT: 5.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

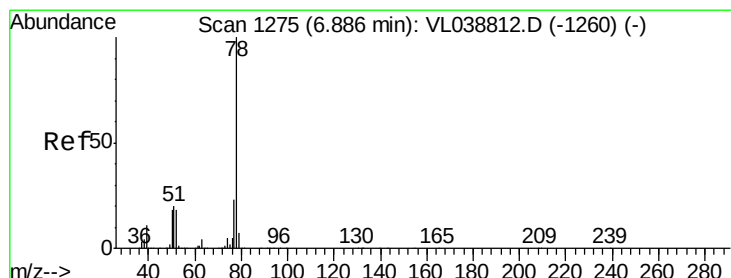
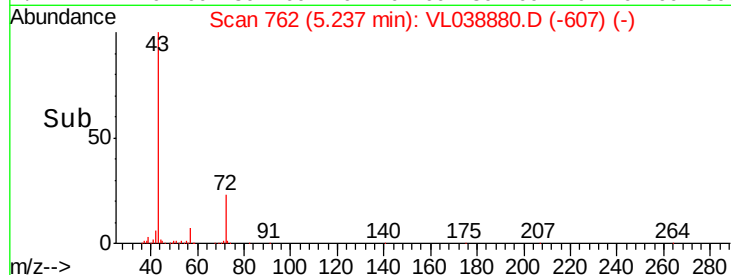
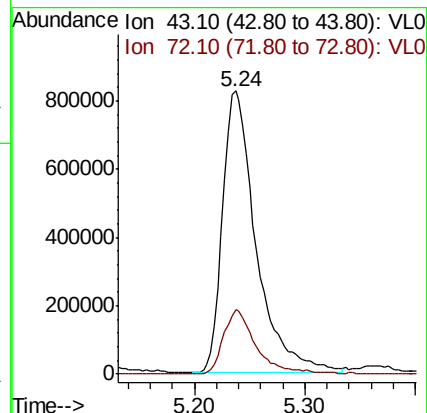
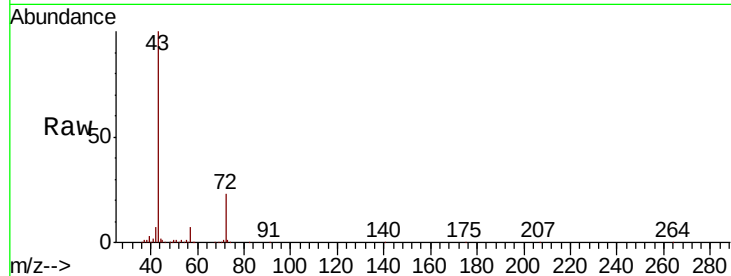
Acq: 11 Apr 2022 21:38

Tot Ion: 43 Resp: 1745574

Ion Ratio Lower Upper

43 100

72 22.5 16.9 25.3



#36

Benzene

Concen: 0.761 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL038880.D

Acq: 11 Apr 2022 21:38

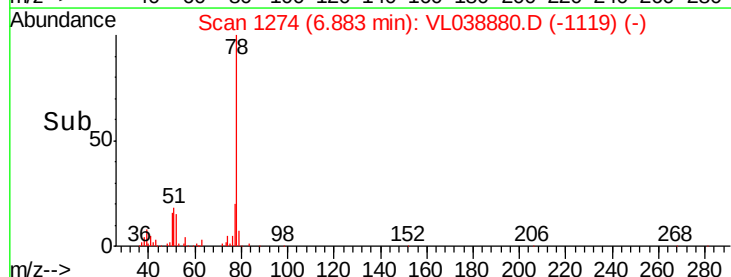
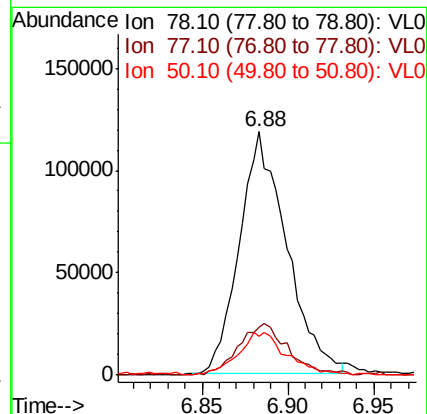
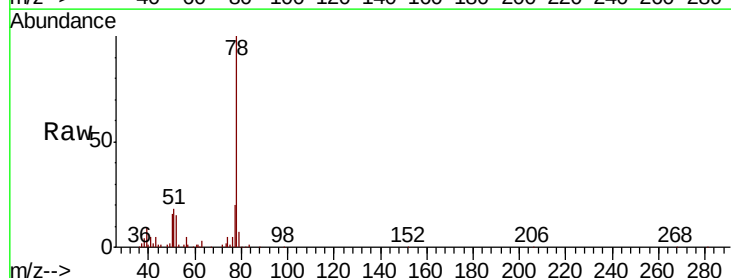
Tgt Ion: 78 Resp: 225596

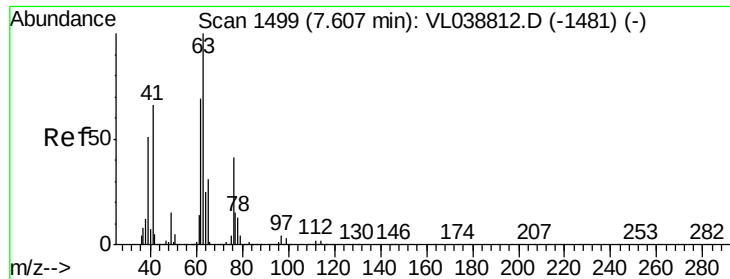
Ion Ratio Lower Upper

78 100

77 19.8 18.2 27.2

50 15.6 14.0 21.0





#39

1,2-Dichloropropane

Concen: 6.905 ppbv

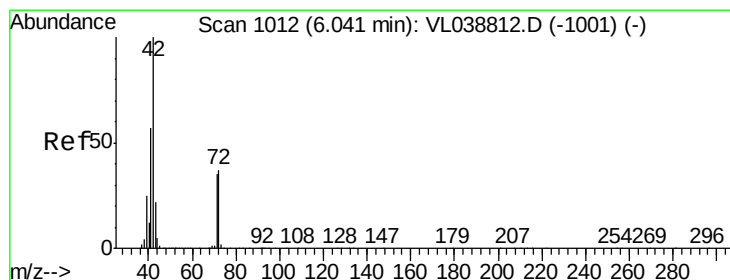
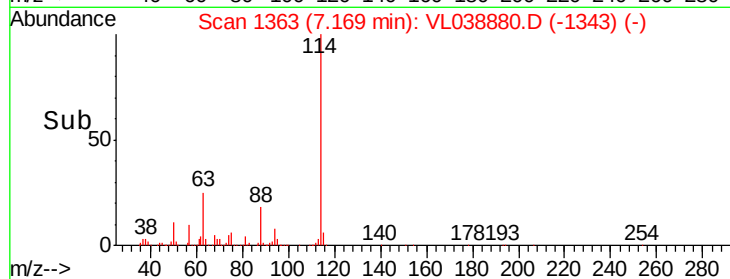
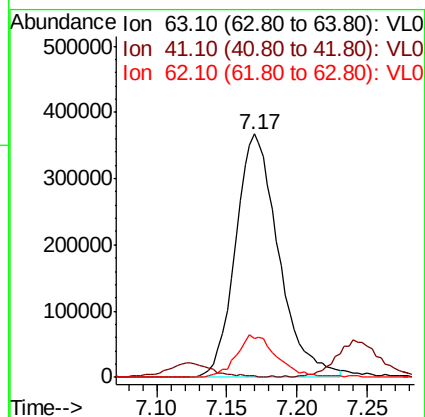
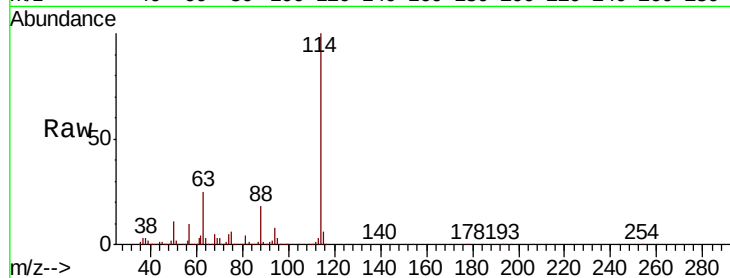
RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 21:38

Tot Ion:	63	Resp:	782639
Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.0	55.0	82.4#



#41

Tetrahydrofuran

Concen: 1.105 ppbv

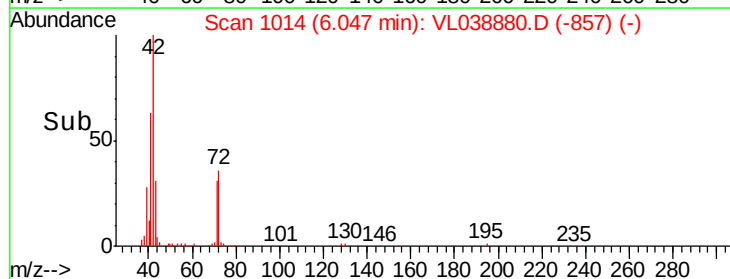
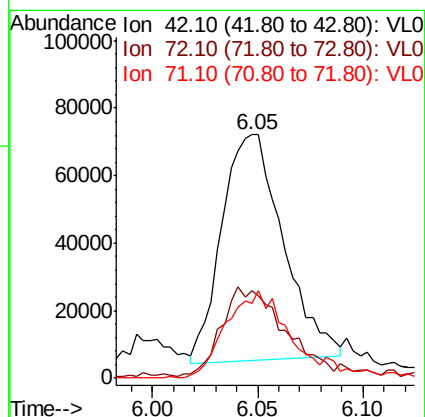
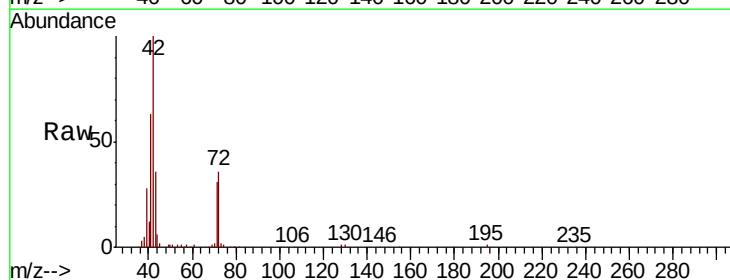
RT: 6.05 min Scan# 1014

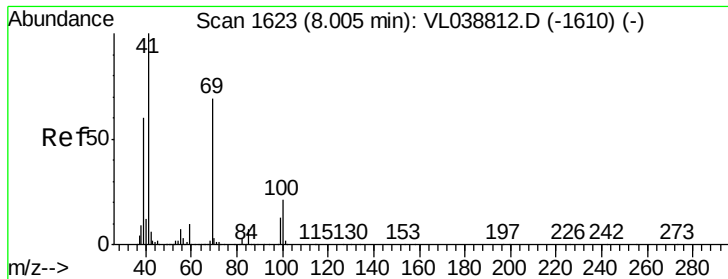
Delta R.T. 0.01 min

Lab File: VL038880.D

Acq: 11 Apr 2022 21:38

Tgt Ion:	42	Resp:	135060
Ion	Ratio	Lower	Upper
42	100		
72	47.1	31.4	47.0#
71	43.8	30.2	45.4





#43

Methyl Methacrylate

Concen: 0.031 ppbv

RT: 8.00

Instrument: MSVOA_1

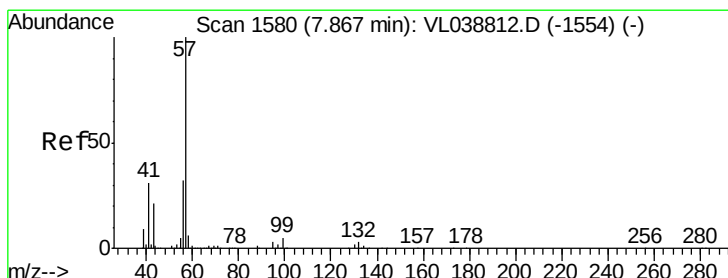
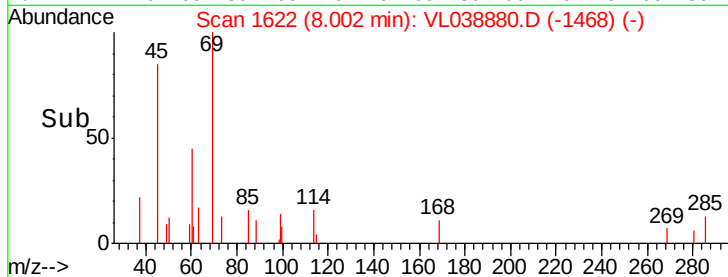
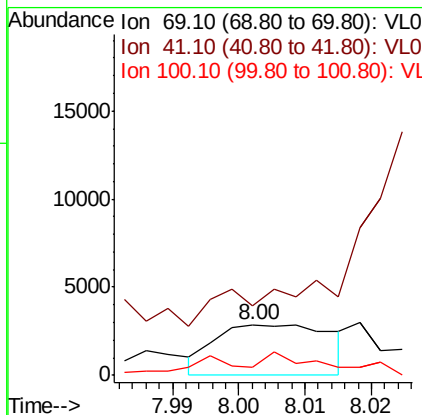
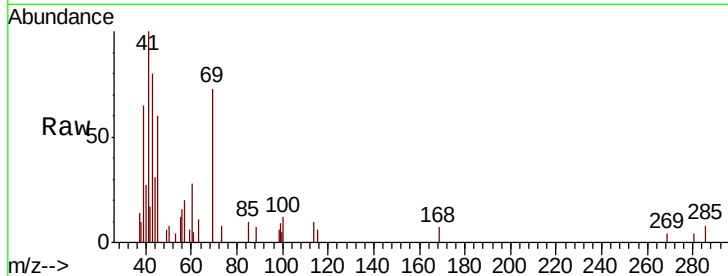
Delta R.T. ClientSampleId:

Lab File: IA-3DL

Acq: 11 Apr 2022 21:38

Tot Ion: 69 Resp: 3468

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: 0.065 ppbv

RT: 7.89 min Scan# 1588

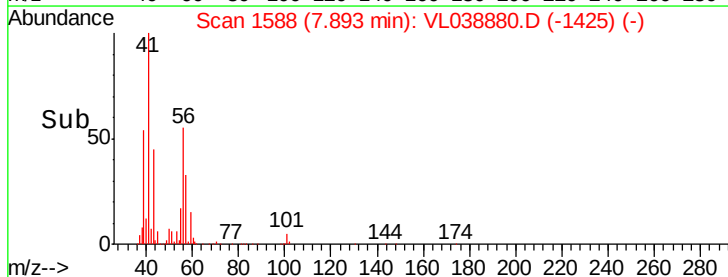
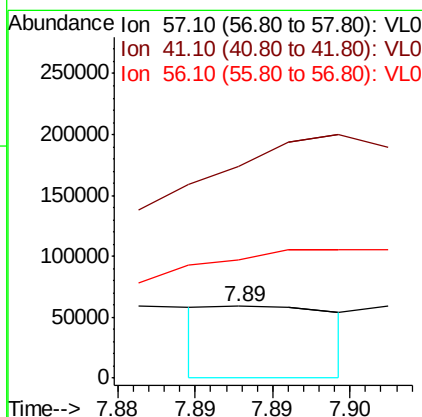
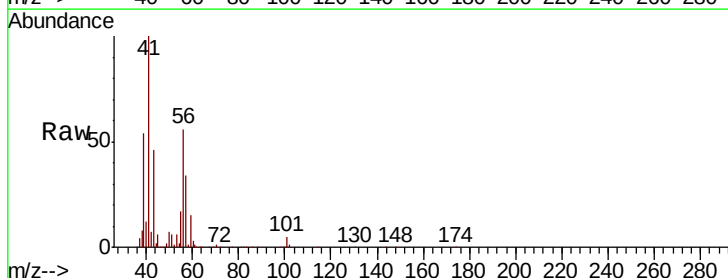
Delta R.T. 0.03 min

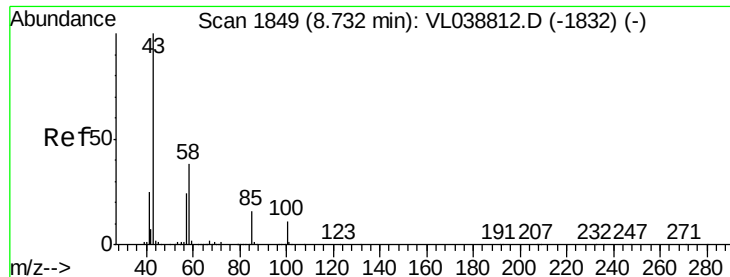
Lab File: VL038880.D

Acq: 11 Apr 2022 21:38

Tgt Ion: 57 Resp: 32470

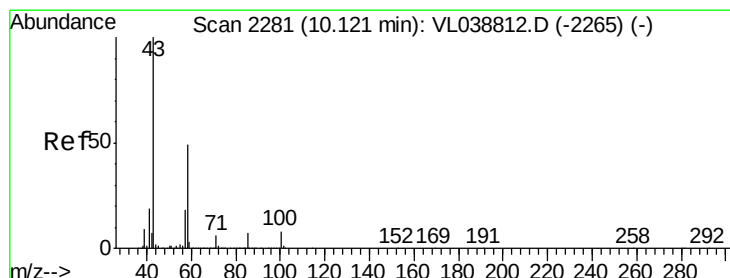
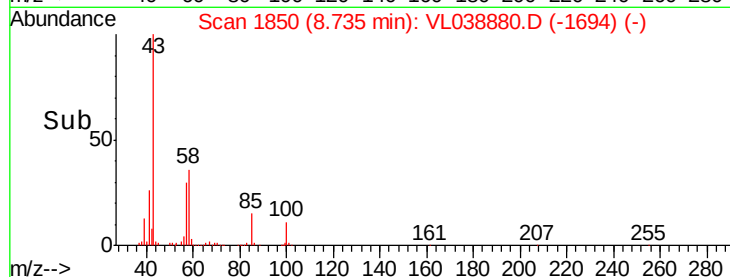
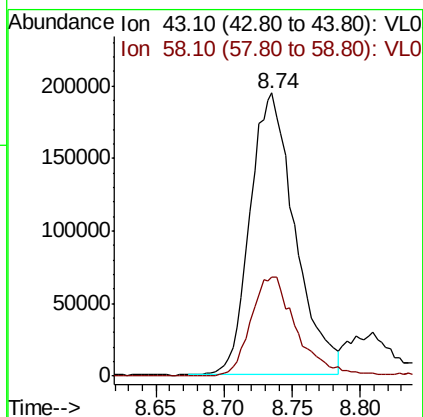
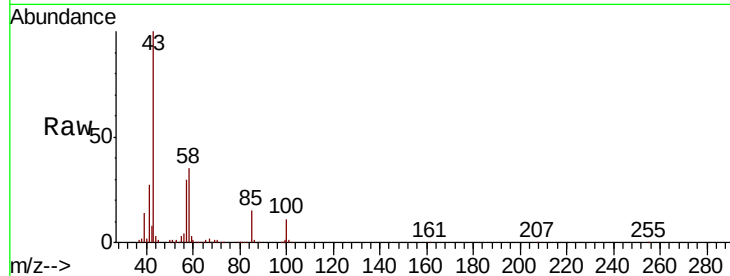
Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.0	37.4#
56	0.0	25.3	37.9#





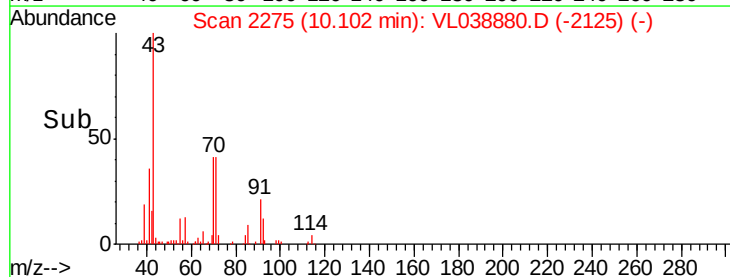
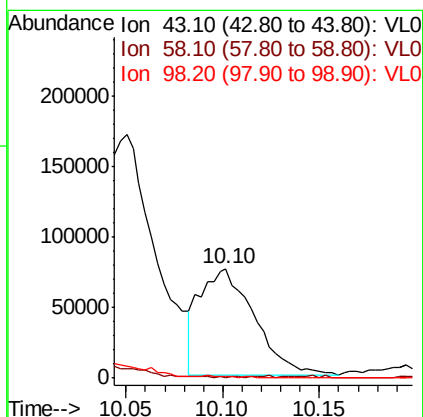
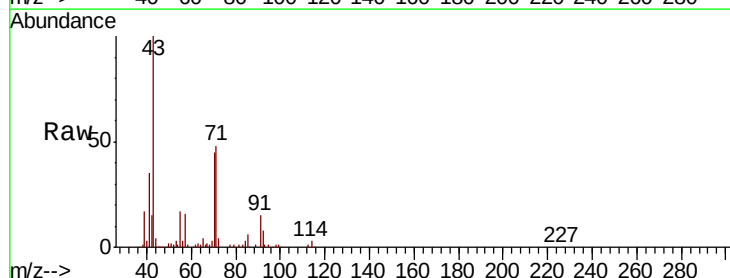
#50
4-Methyl-2-Pentanone
Concen: 1.536 ppbv
RT: 8.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 21:38

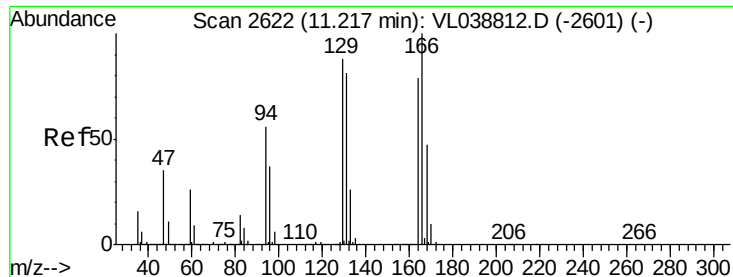
Tot Ion: 43 Resp: 444836
Ion Ratio Lower Upper
43 100
58 37.3 29.0 43.6



#51
2-Hexanone
Concen: 0.672 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.02 min
Lab File: VL038880.D
Acq: 11 Apr 2022 21:38

Tgt Ion: 43 Resp: 146538
Ion Ratio Lower Upper
43 100
58 2.5 41.4 62.0#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.044 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 21:38

Tot Ion:164 Resp: 4580

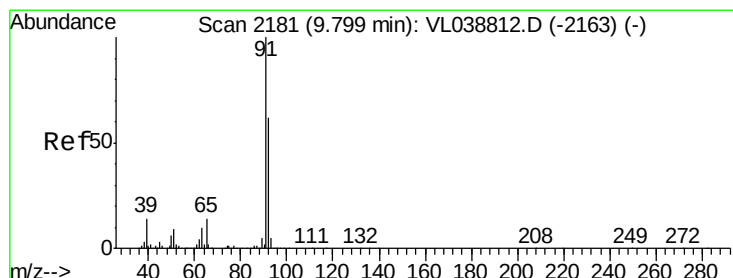
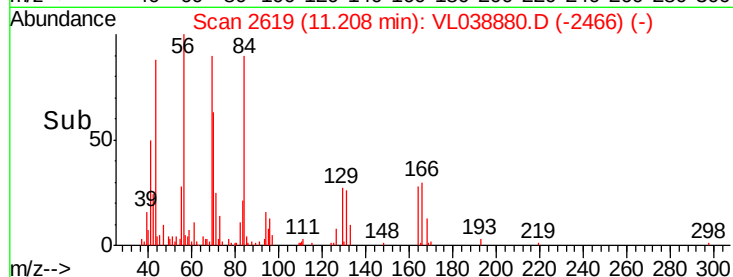
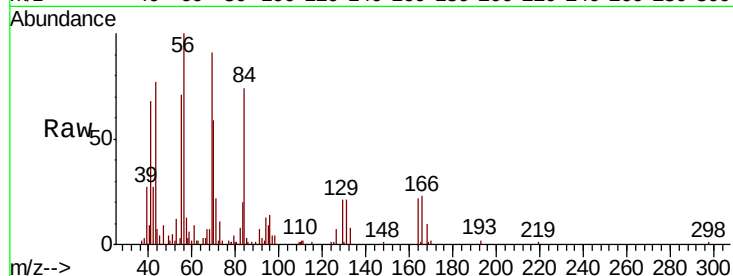
Ion Ratio Lower Upper

164 100

166 105.6 101.0 151.6

129 102.1 88.7 133.1

131 90.4 81.8 122.6



#53

Toluene

Concen: 47.488 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL038880.D

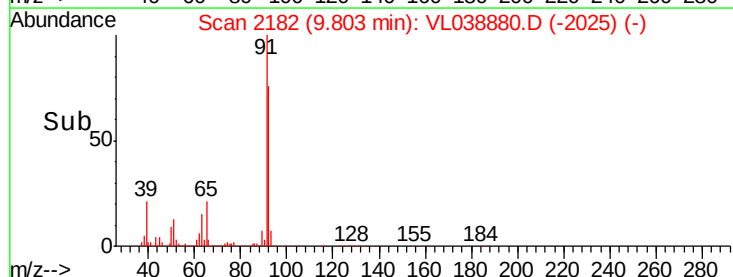
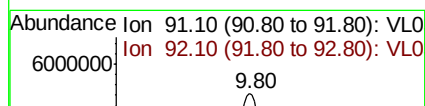
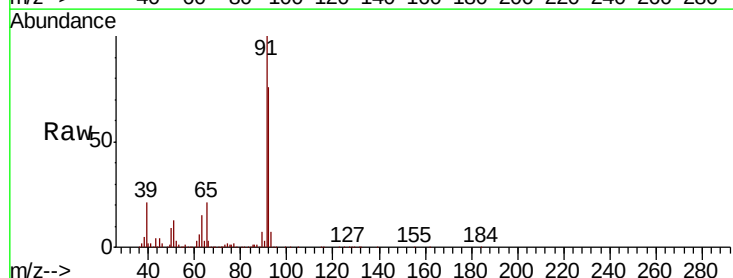
Acq: 11 Apr 2022 21:38

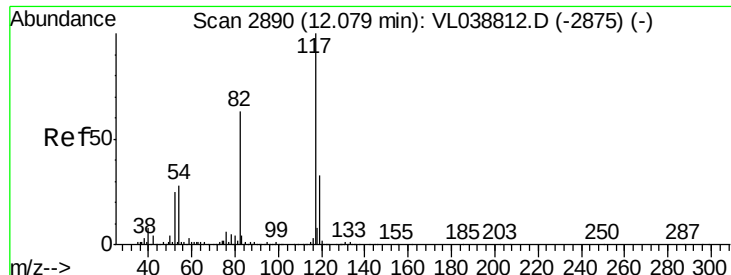
Tgt Ion: 91 Resp:16244626

Ion Ratio Lower Upper

91 100

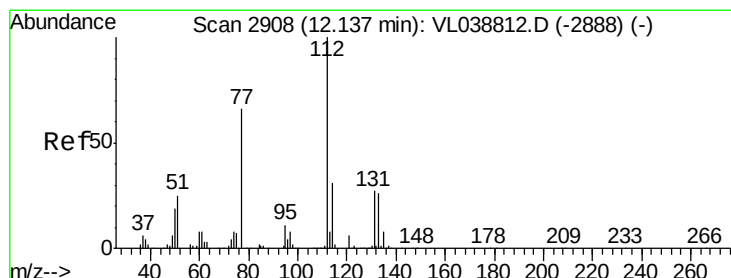
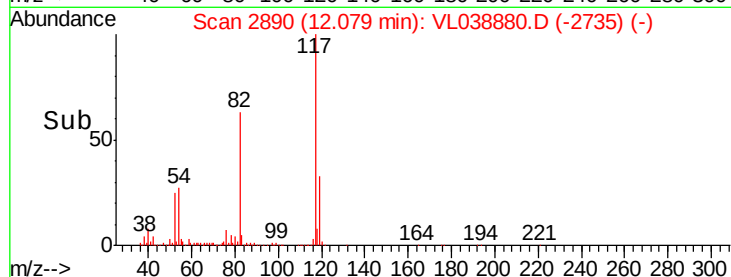
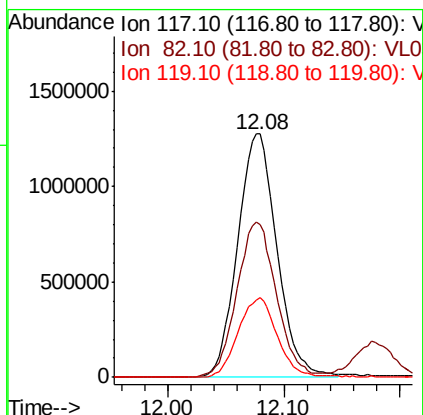
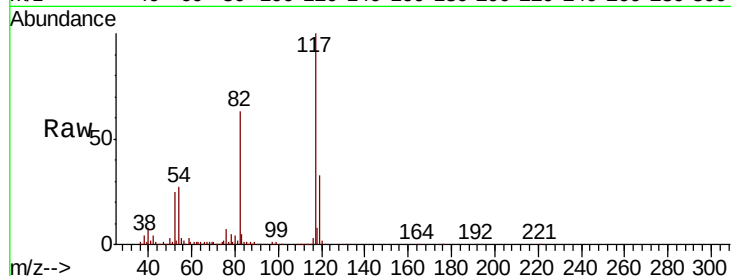
92 70.2 49.2 73.8





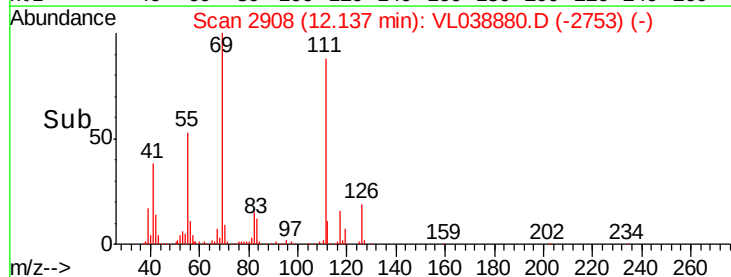
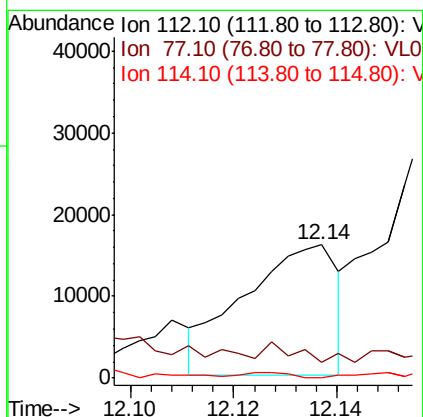
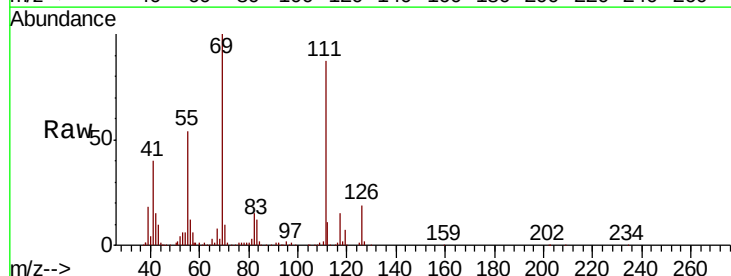
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 11 Apr 2022 21:38

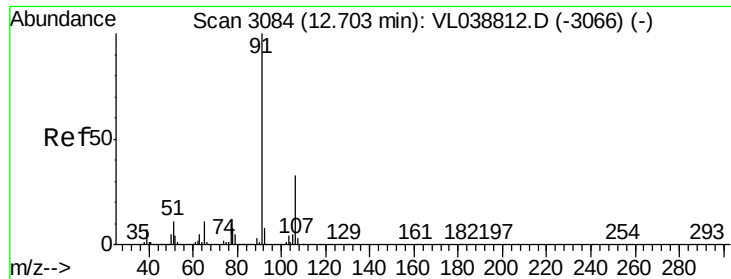
Tot Ion:117 Resp: 3004436
Ion Ratio Lower Upper
117 100
82 64.4 53.0 79.6
119 32.7 24.9 37.3



#57
Chlorobenzene
Concen: 0.083 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL038880.D
Acq: 11 Apr 2022 21:38

Tgt Ion:112 Resp: 20334
Ion Ratio Lower Upper
112 100
77 0.0 52.4 78.6#
114 0.0 28.1 34.3#





#58

Ethyl Benzene

Concen: 2.256 ppbv

RT: 12.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

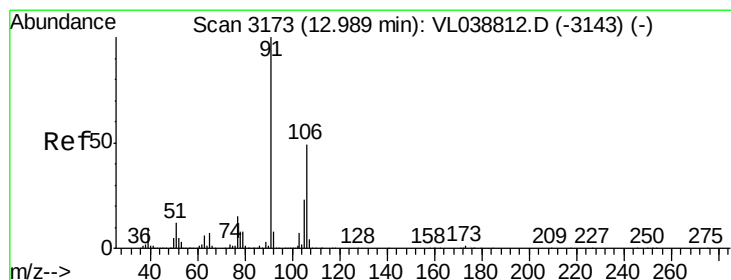
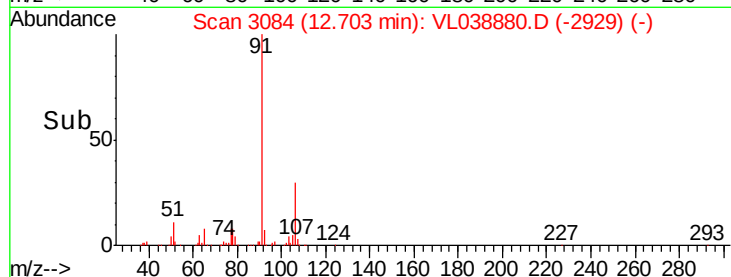
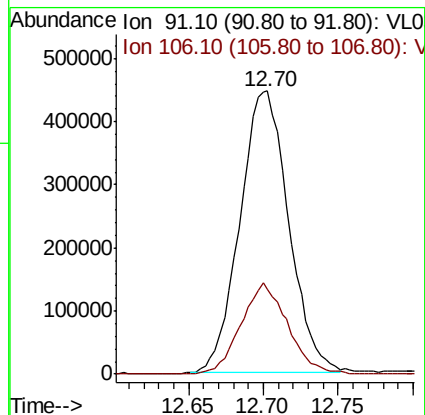
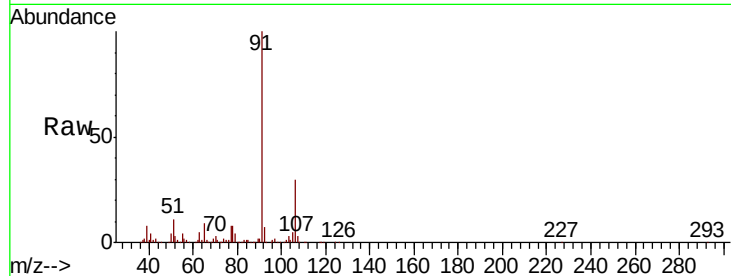
Acq: 11 Apr 2022 21:38

Tot Ion: 91 Resp: 1013000

Ion Ratio Lower Upper

91 100

106 30.3 26.7 40.1



#59

m/p-Xylene

Concen: 7.733 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. -0.04 min

Lab File: VL038880.D

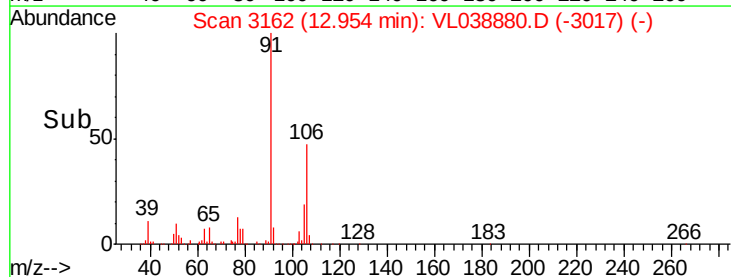
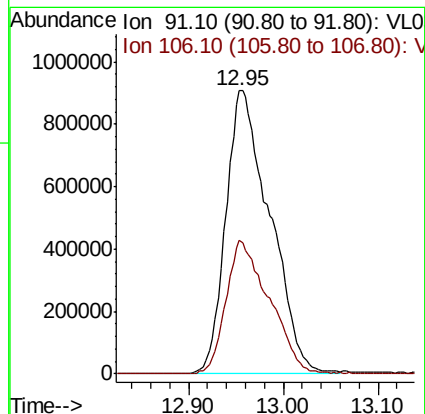
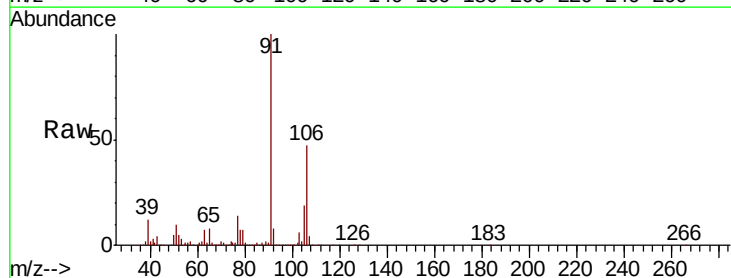
Acq: 11 Apr 2022 21:38

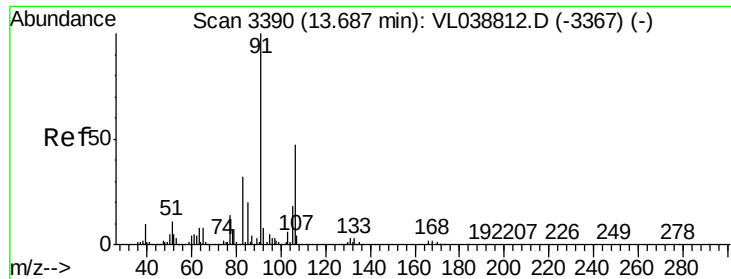
Tgt Ion: 91 Resp: 2916834

Ion Ratio Lower Upper

91 100

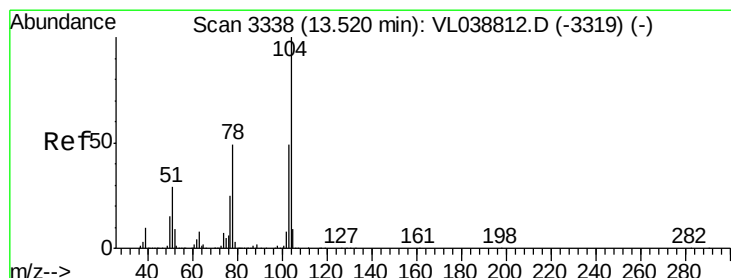
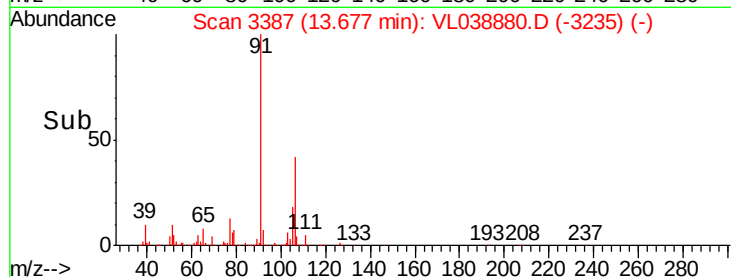
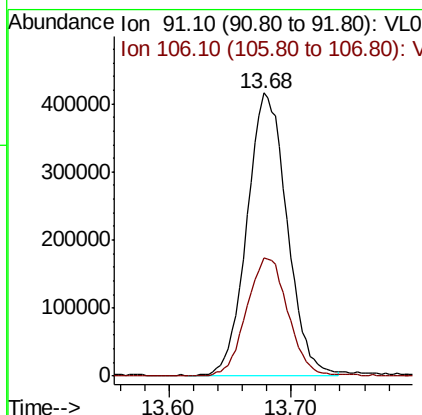
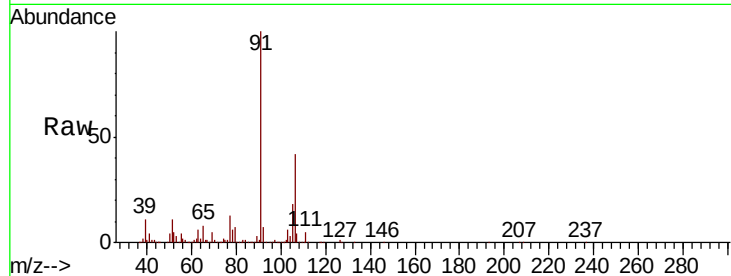
106 46.9 37.1 55.7





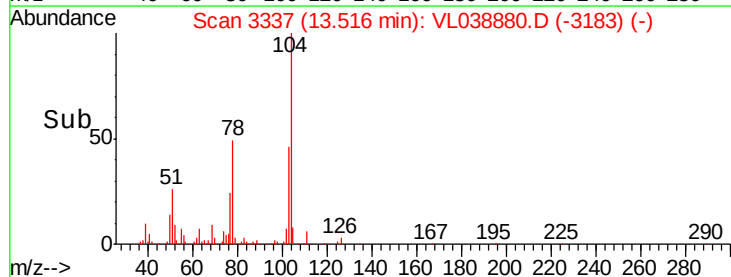
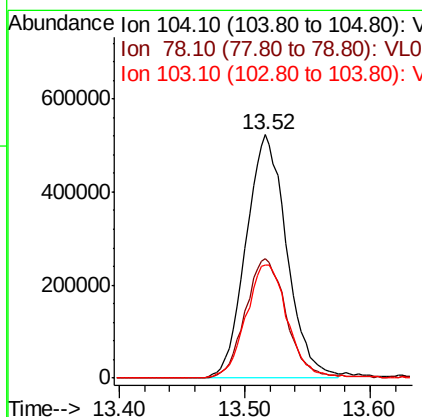
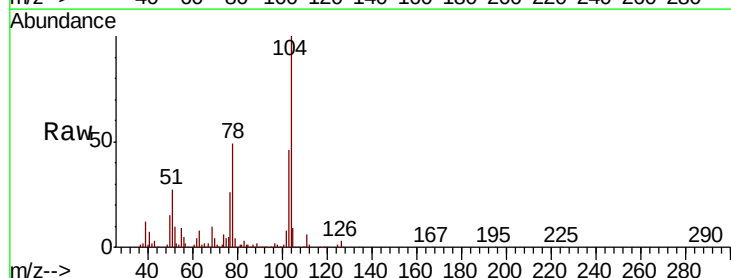
#60
o-Xylene
Concen: 2.664 ppbv
RT: 13.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 Apr 2022 21:38

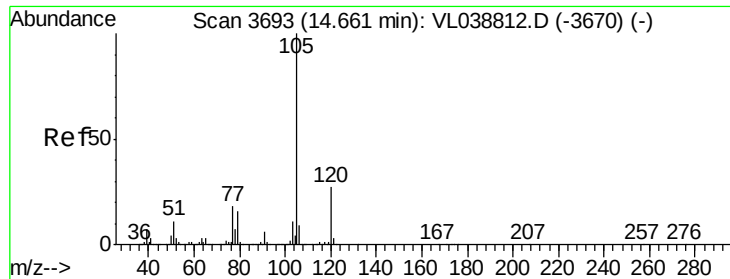
Tot Ion: 91 Resp: 940328
Ion Ratio Lower Upper
91 100
106 43.9 23.8 71.4



#61
Styrene
Concen: 5.482 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL038880.D
Acq: 11 Apr 2022 21:38

Tgt Ion:104 Resp: 1178727
Ion Ratio Lower Upper
104 100
78 50.1 40.5 60.7
103 48.0 39.0 58.4





#62

Isopropylbenzene

Concen: 0.076 ppbv

RT: 14.66 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

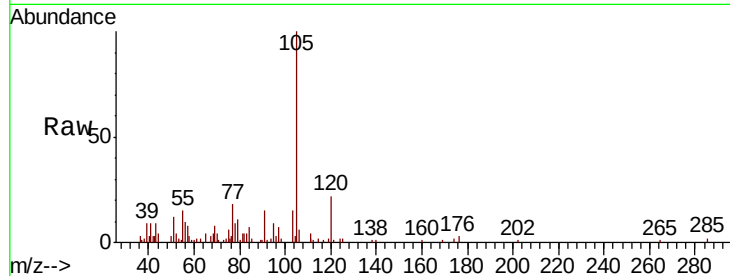
Acq: 11 Apr 2022 21:38

Tot Ion:105 Resp: 40228

Ion Ratio Lower Upper

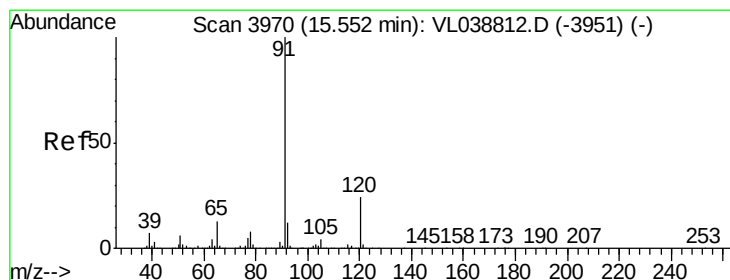
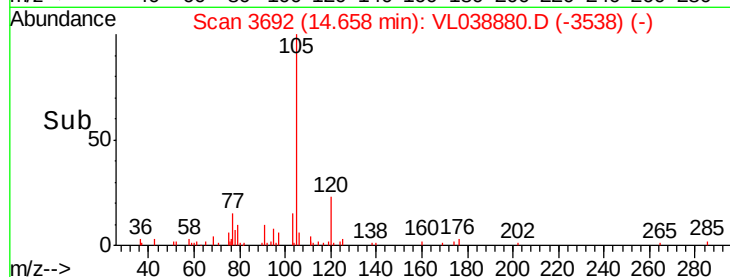
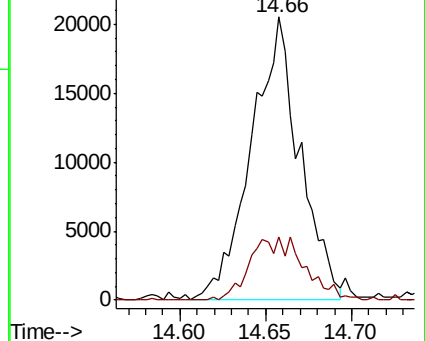
105 100

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



#64

n-propylbenzene

Concen: 0.127 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.01 min

Lab File: VL038880.D

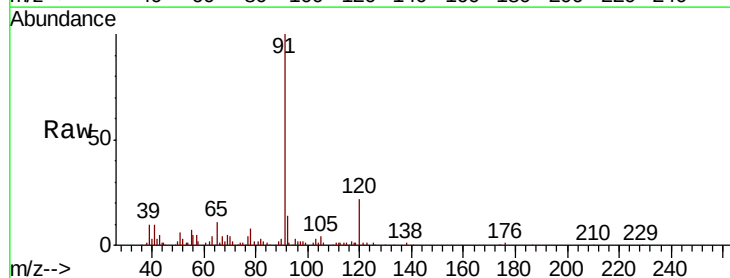
Acq: 11 Apr 2022 21:38

Tgt Ion:120 Resp: 17515

Ion Ratio Lower Upper

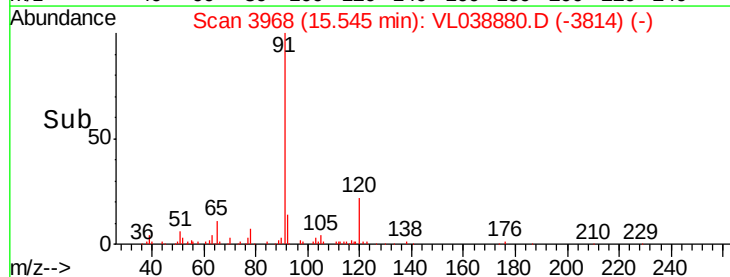
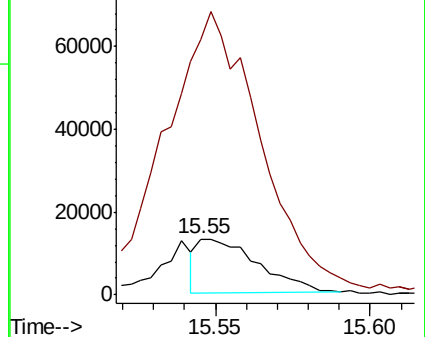
120 100

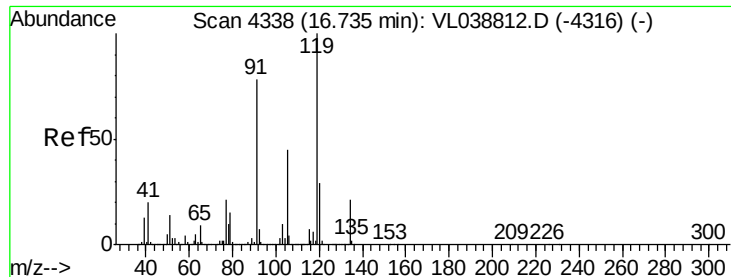
91 862.1 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.074 ppbv

RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 Apr 2022 21:38

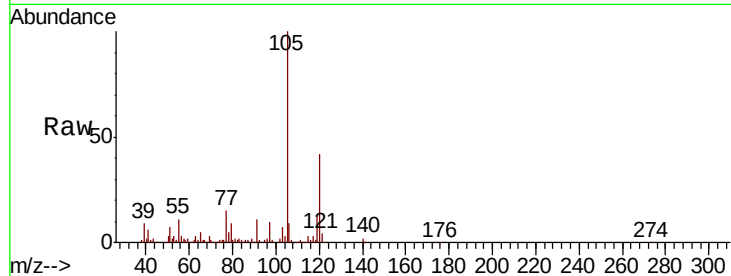
Tot Ion: 119 Resp: 34936

Ion Ratio Lower Upper

119 100

91 174.3 62.8 94.2#

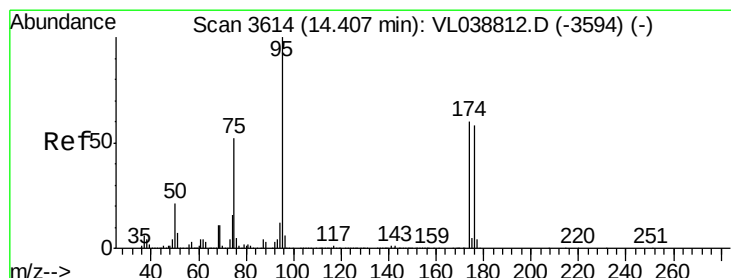
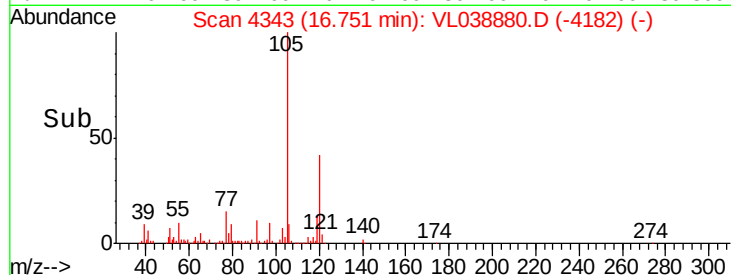
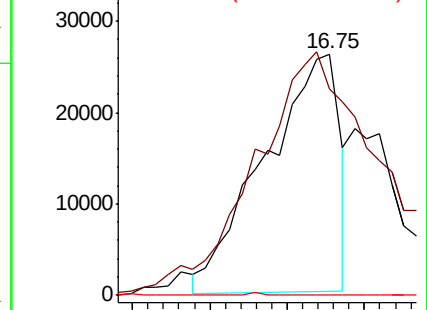
134 0.0 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.625 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.01 min

Lab File: VL038880.D

Acq: 11 Apr 2022 21:38

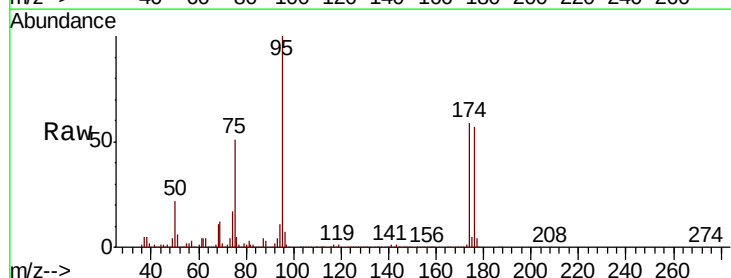
Tgt Ion: 95 Resp: 2421426

Ion Ratio Lower Upper

95 100

174 62.3 52.0 78.0

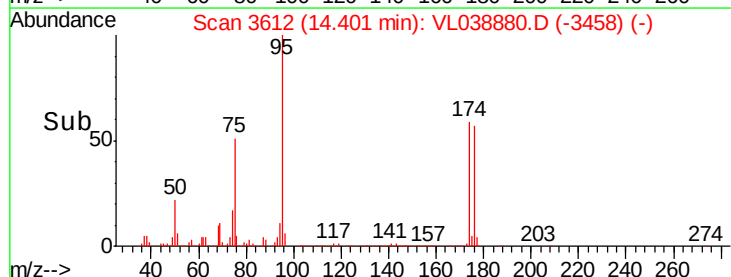
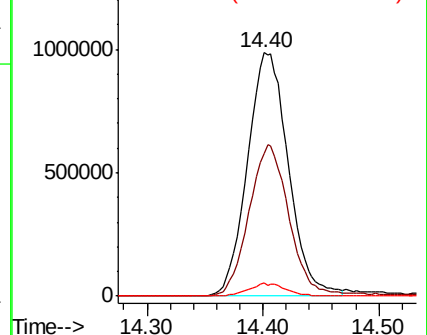
175 4.8 4.0 6.0

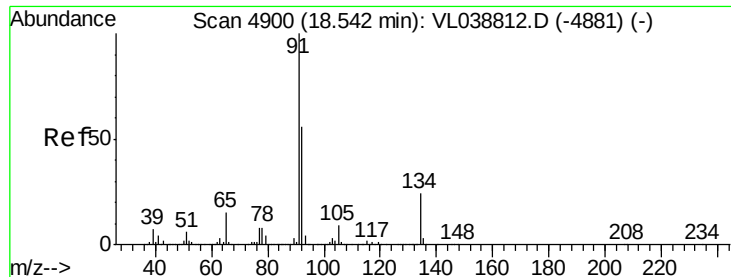


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

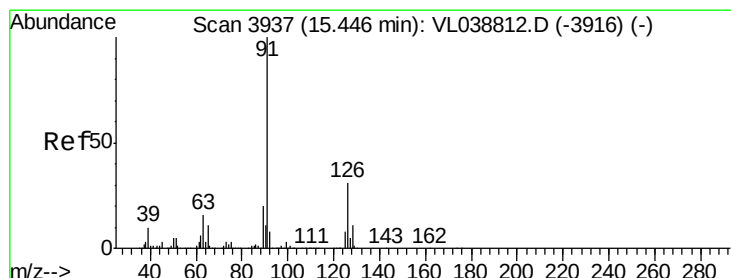
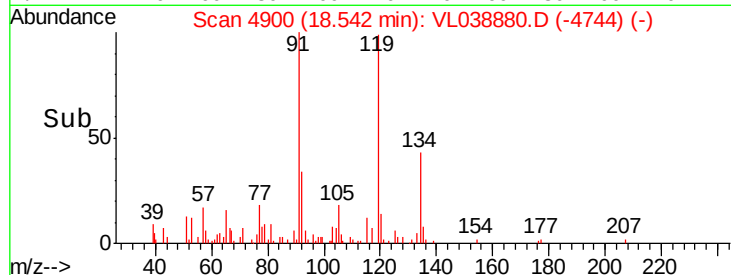
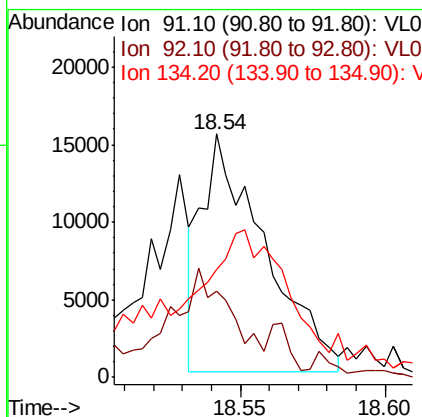
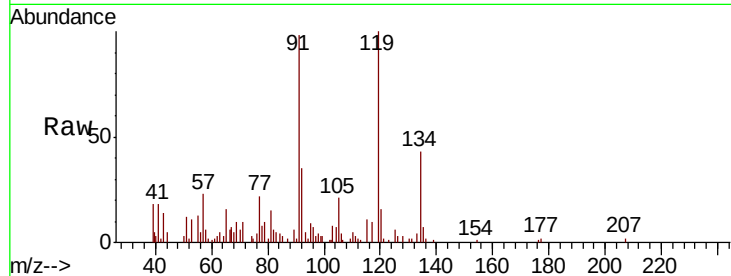
Ion 175.00 (174.70 to 175.70): V





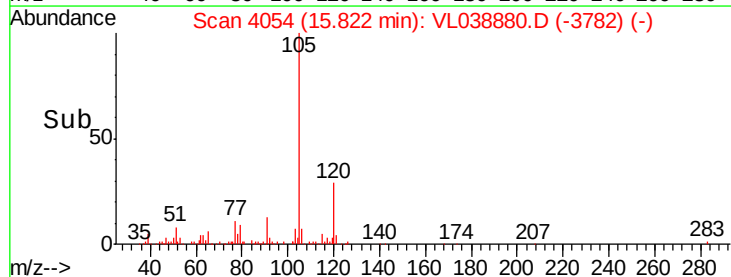
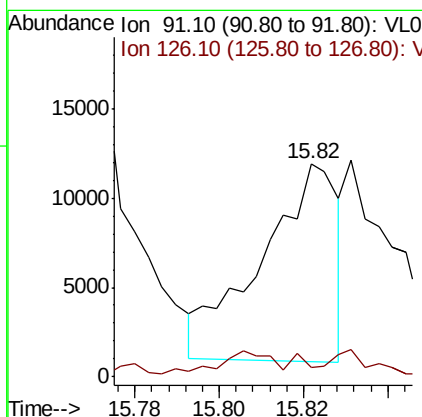
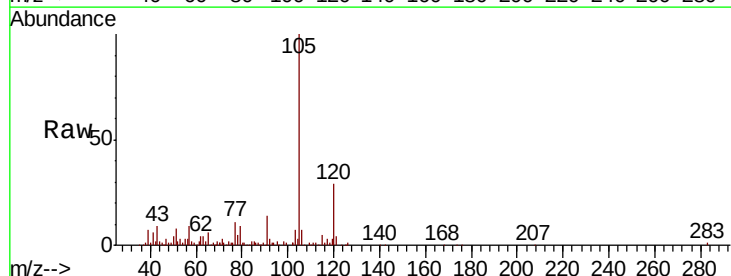
#70
n-Butylbenzene
Concen: 0.042 ppbv
RT: 18.54 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 Apr 2022 21:38

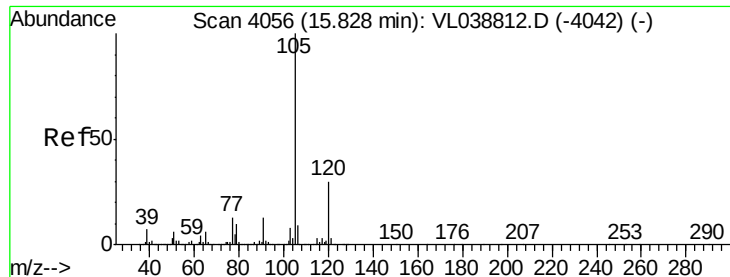
Tot Ion	Ratio	Lower	Upper
91	100		
92	68.6	44.6	66.8#
134	145.7	19.2	28.8#



#71
2-Chlorotoluene
Concen: 0.035 ppbv
RT: 15.82 min Scan# 4054
Delta R.T.: 0.38 min
Lab File: VL038880.D
Acq: 11 Apr 2022 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	14.7	13.0	51.8





#72

4-Ethyltoluene

Concen: 0.232 ppbv

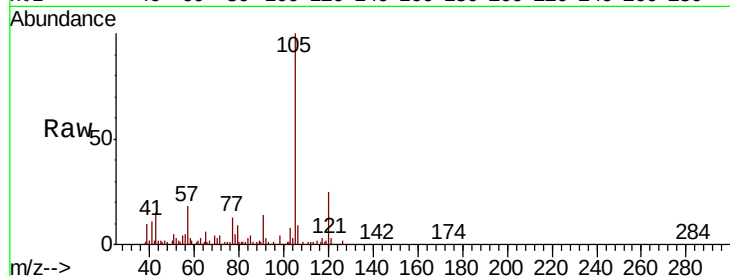
RT: 15.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 11 Apr 2022 21:38

Tot Ion:	105	Resp:	97624
Ion	Ratio	Lower	Upper
105	100		
120	63.2	24.3	36.5#
91	24.5	9.4	14.2#
77	28.0	10.6	15.8#

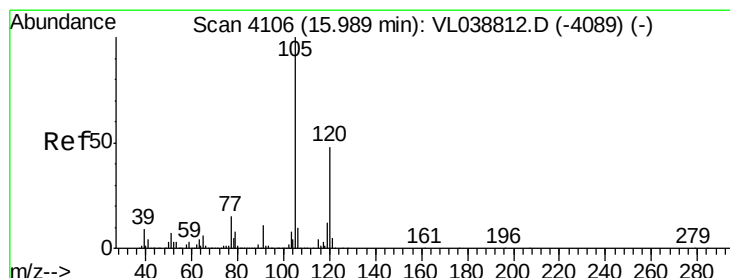
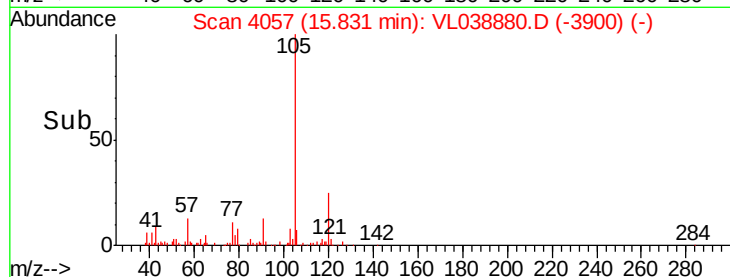
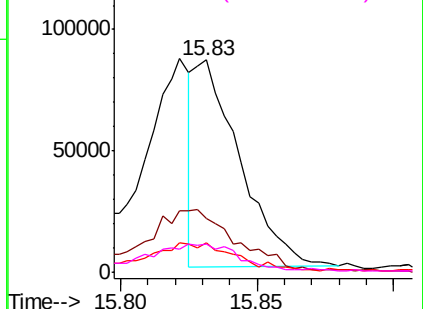


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.400 ppbv

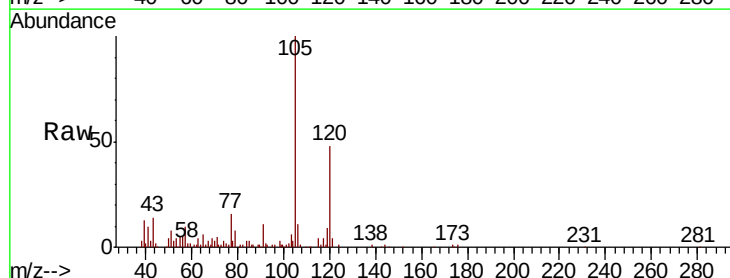
RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL038880.D

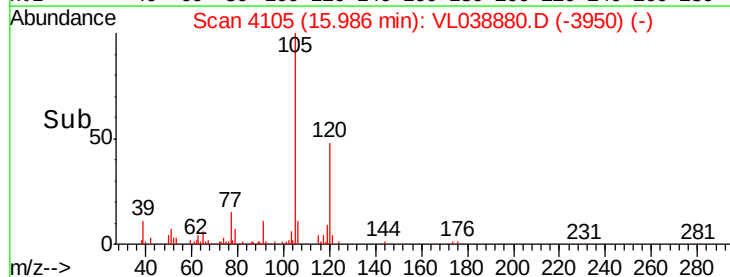
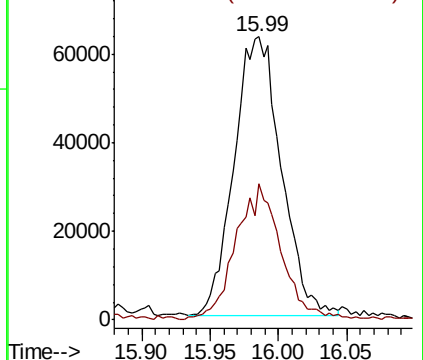
Acq: 11 Apr 2022 21:38

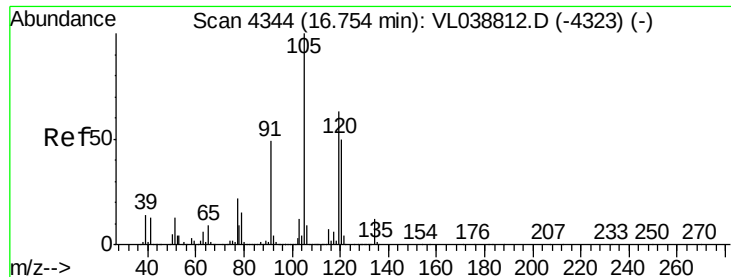
Tgt Ion:	105	Resp:	151510
Ion	Ratio	Lower	Upper
105	100		
120	47.7	38.7	58.1



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: 1.241 ppbv
 RT: 16.75
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 Apr 2022 21:58

Tot Ion:	105	Resp:	496821
Ion	Ratio	Lower	Upper
105	100		
120	43.5	39.8	59.8
91	12.5	39.4	59.0#
77	13.1	17.3	25.9#

