

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038975.D
 Acq On : 5 May 2022 16:41
 Operator : SY/AP
 Sample : N2698-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 06 07:28:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1176861	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3044836	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2676954	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2155605	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	88275	0.479 ppbv	100
3) Chlorodifluoromethane	2.99	51	52475	0.359 ppbv	92
4) Chloromethane	3.14	50	12469	0.171 ppbv	99
9) Propene	3.01	41	272728	4.277 ppbv #	79
10) Heptane	8.11	43	156099	0.998 ppbv	95
11) Trichlorofluoromethane	3.95	101	44093	0.279 ppbv	93
13) Ethanol	3.60	45	130146	26.133 ppbv	95
15) Acetone	3.84	43	5777039	52.039 ppbv	97
16) 1,3-Butadiene	3.31	39	111924	1.755 ppbv #	18
17) tert-Butyl alcohol	4.29	59	32144	0.377 ppbv #	70
19) Isopropyl Alcohol	3.96	45	151680	2.874 ppbv #	95
20) Methylene Chloride	4.34	84	474044	11.330 ppbv	91
23) Vinyl Acetate	5.05	43	71344	0.812 ppbv #	7
25) Ethyl Acetate	5.68	43	602240	2.267 ppbv #	78
26) Hexane	5.68	57	844958	7.157 ppbv #	38
27) Carbon Disulfide	4.55	76	303631	2.707 ppbv	99
30) Cyclohexane	7.12	84	31975	0.323 ppbv #	1
34) 2-Butanone	5.23	43	1685386	10.850 ppbv	95
36) Benzene	6.89	78	70653	0.271 ppbv #	95
39) 1,2-Dichloropropane	7.17	63	764936	7.545 ppbv #	25
41) Tetrahydrofuran	6.00	42	12439	0.119 ppbv #	55
44) 2,2,4-Trimethylpentane	7.86	57	271384	0.594 ppbv #	58
50) 4-Methyl-2-Pentanone	8.74	43	76652	0.281 ppbv #	87
51) 2-Hexanone	10.12	43	600679	3.021 ppbv #	98
52) Tetrachloroethene	11.21	164	382608	4.109 ppbv	96
53) Toluene	9.80	91	461087	1.579 ppbv	100
58) Ethyl Benzene	12.70	91	341487	0.886 ppbv	93
59) m/p-Xylene	12.96	91	1152363	3.504 ppbv	97
60) o-Xylene	13.68	91	423935	1.370 ppbv	98
61) Styrene	13.51	104	33635	0.204 ppbv	86
62) Isopropylbenzene	14.66	105	157841	0.399 ppbv	92
64) n-propylbenzene	15.55	120	15728	0.144 ppbv #	1
65) tert-Butylbenzene	16.74	119	12359	0.031 ppbv #	22
67) sec-Butylbenzene	17.28	105	27049	0.048 ppbv #	60
69) p-Isopropyltoluene	17.64	119	39893	0.087 ppbv #	6
71) 2-Chlorotoluene	15.30	91	85943	0.246 ppbv #	49
72) 4-Ethyltoluene	15.83	105	108269	0.307 ppbv #	94
73) 1,3,5-Trimethylbenzene	15.99	105	159042	0.501 ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	329283	0.947 ppbv #	66
79) Naphthalene	22.17	128	14081	0.050 ppbv #	90
80) Naphthalene,2-methyl-	24.96	142	3184	0.037 ppbv	86

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QLast Update : Thu May 05 07:41:27 2022
Response via : Initial Calibration

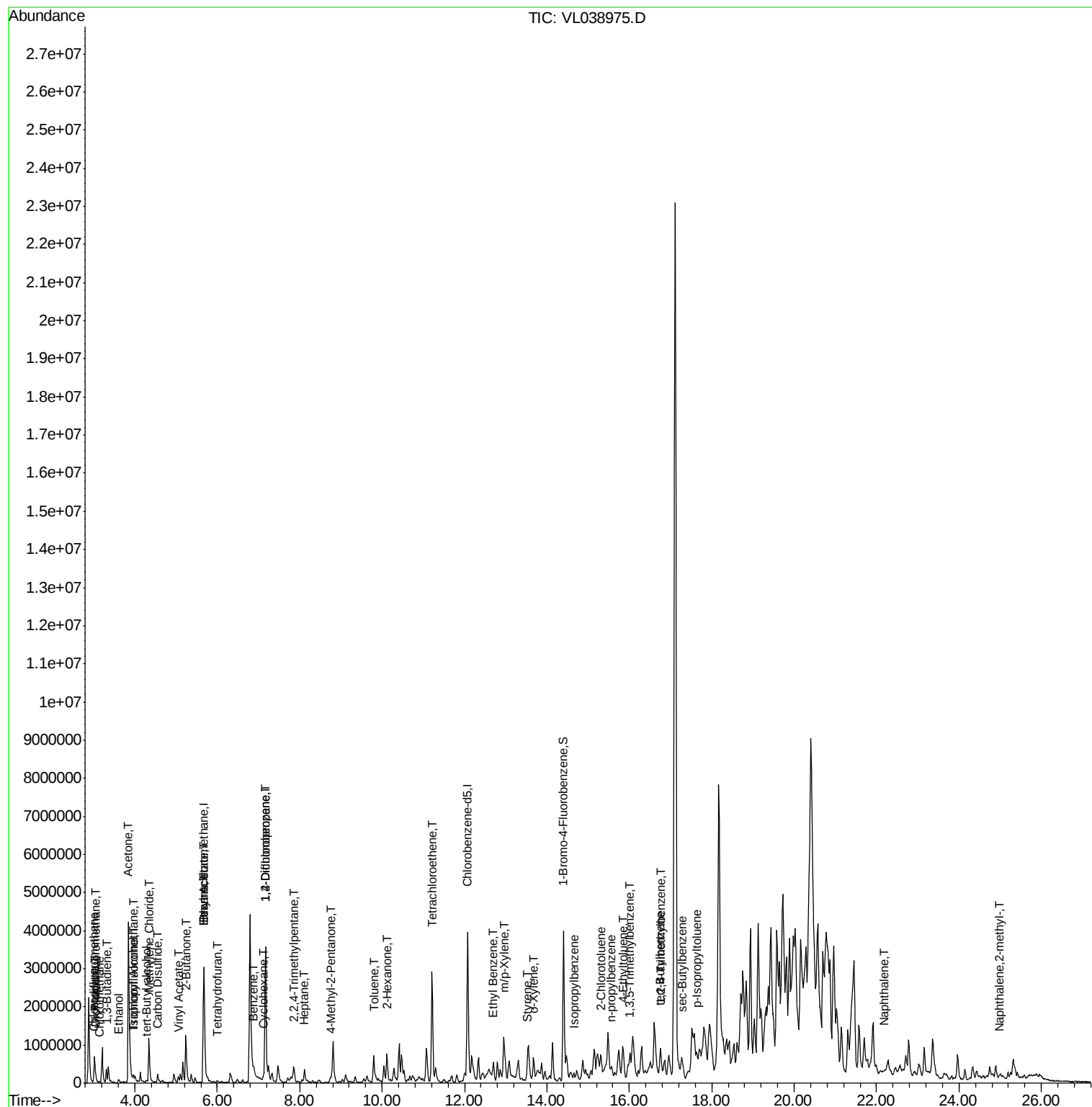
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

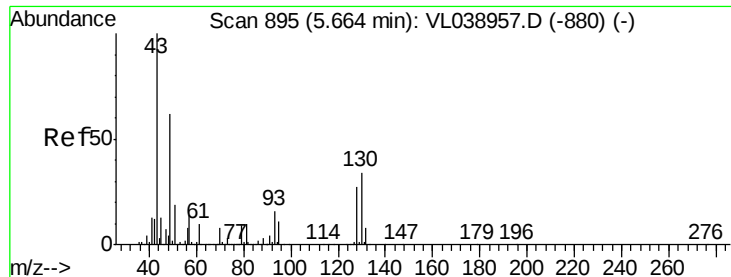
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 16:41

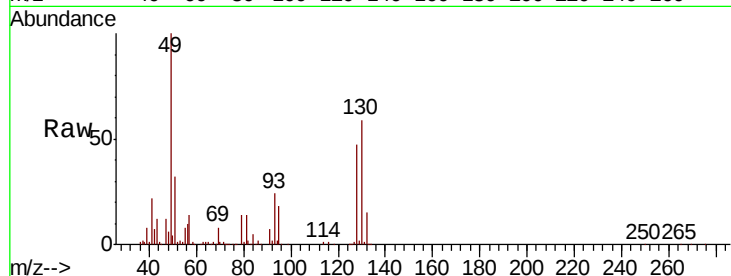
Tot Ion: 49 Resp: 1176861

Ion Ratio Lower Upper

49 100

128 47.2 23.3 69.8

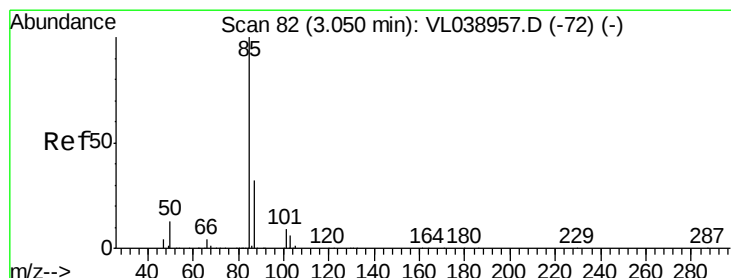
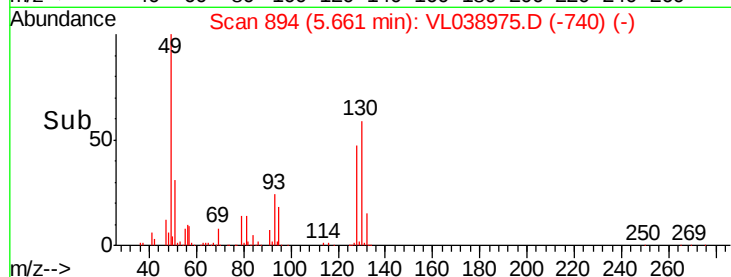
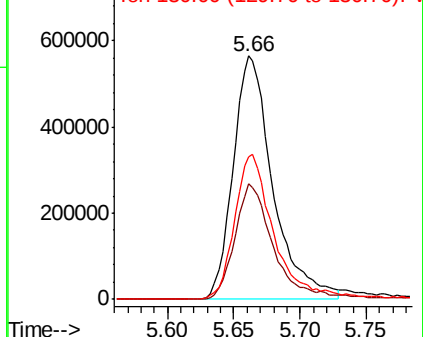
130 60.6 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.479 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038975.D

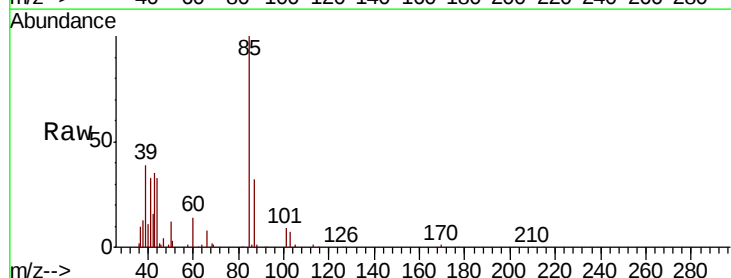
Acq: 5 May 2022 16:41

Tgt Ion: 85 Resp: 88275

Ion Ratio Lower Upper

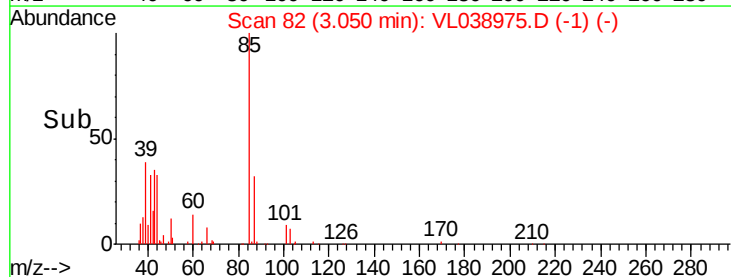
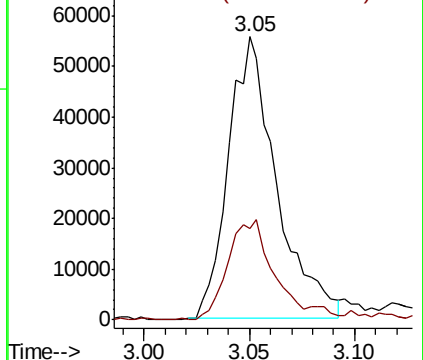
85 100

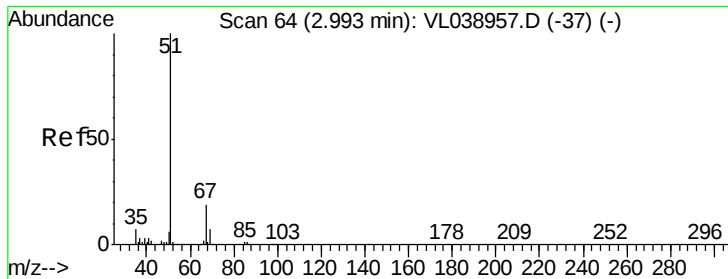
87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.359 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

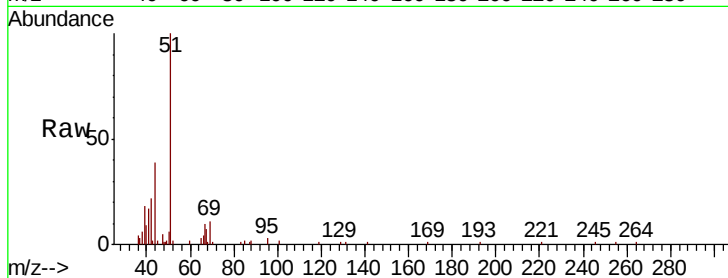
Acq: 5 May 2022 16:41

Tot Ion: 51 Resp: 52475

Ion Ratio Lower Upper

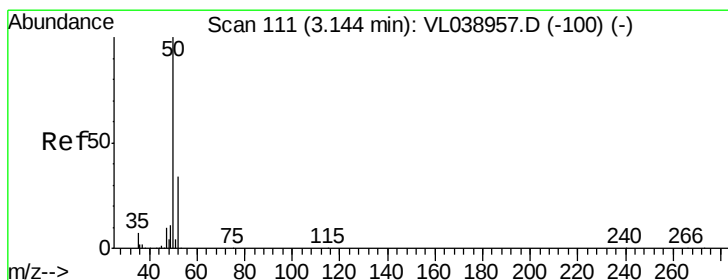
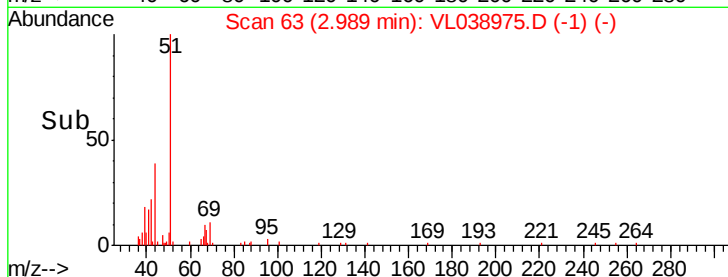
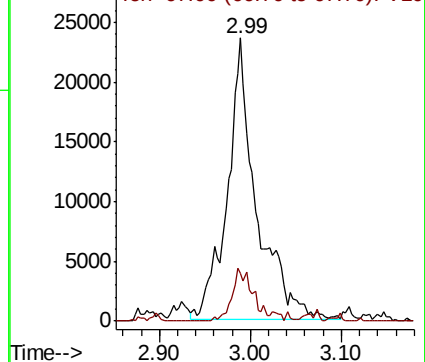
51 100

67 16.0 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.171 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038975.D

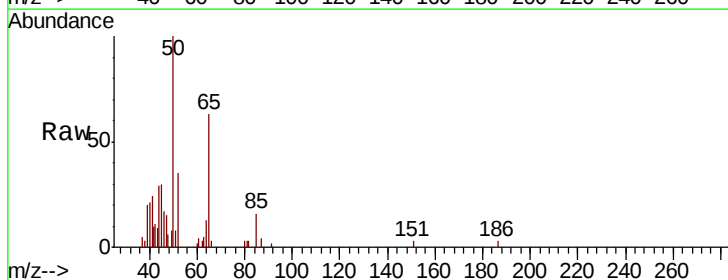
Acq: 5 May 2022 16:41

Tgt Ion: 50 Resp: 12469

Ion Ratio Lower Upper

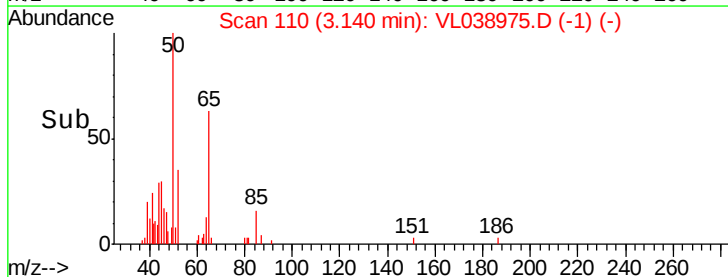
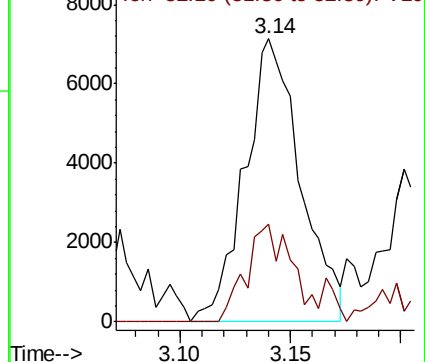
50 100

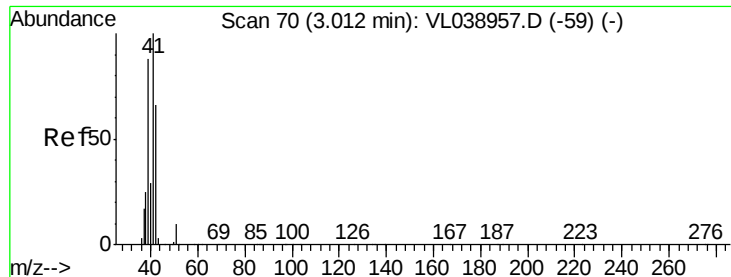
52 34.5 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

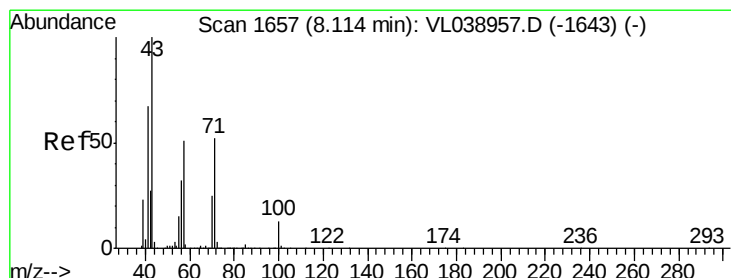
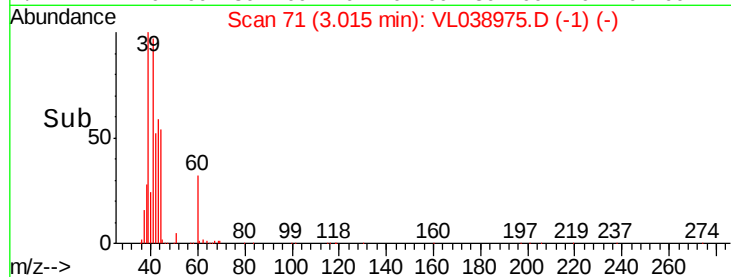
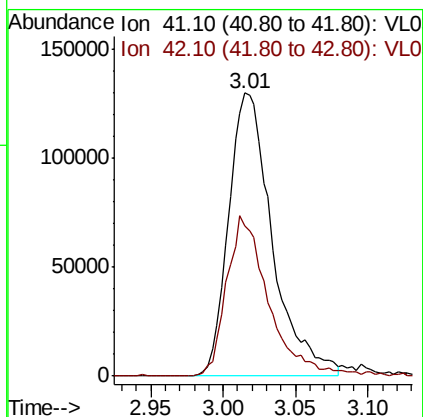
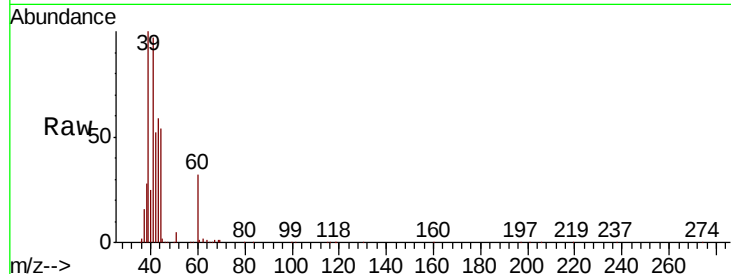
Ion 52.10 (51.80 to 52.80): VL0





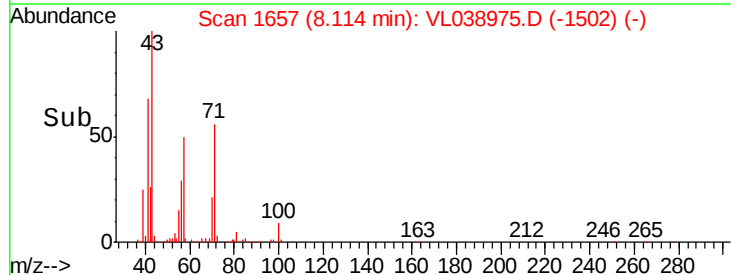
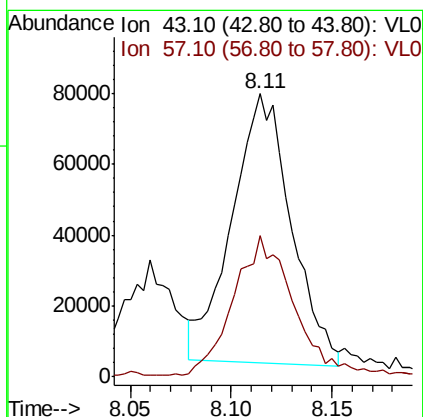
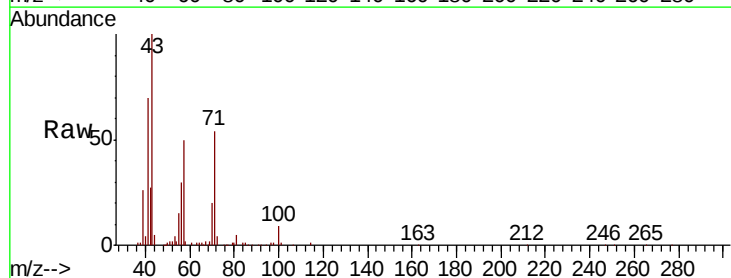
#9
 Propene
 Concen: 4.277 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 16:41

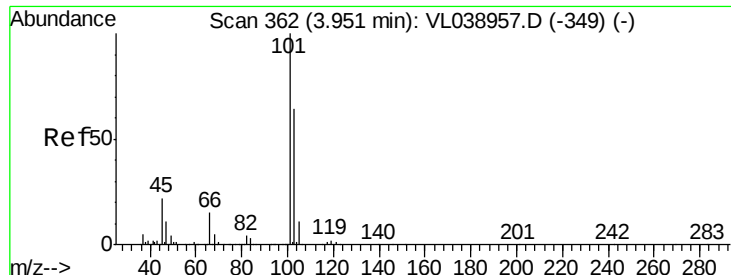
Tot Ion: 41 Resp: 272728
 Ion Ratio Lower Upper
 41 100
 42 55.0 58.3 87.5#



#10
 Heptane
 Concen: 0.998 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL038975.D
 Acq: 5 May 2022 16:41

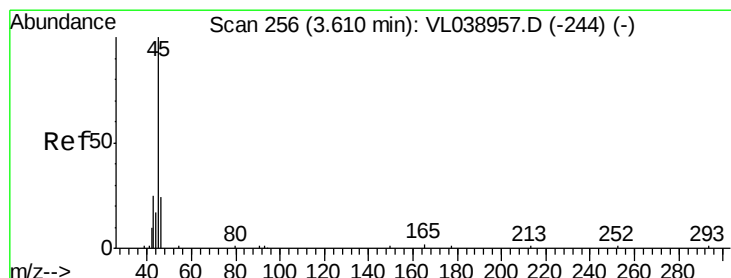
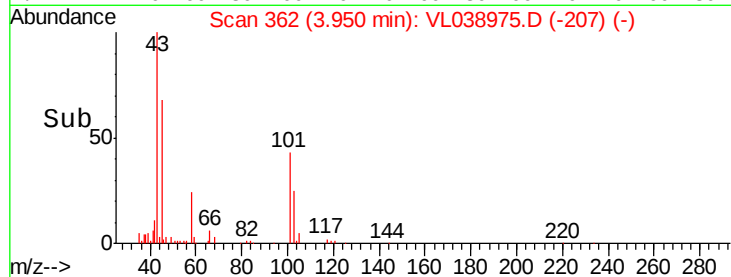
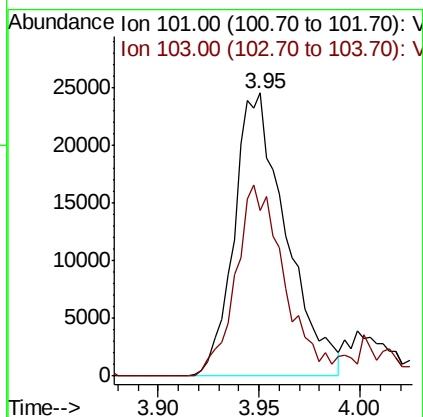
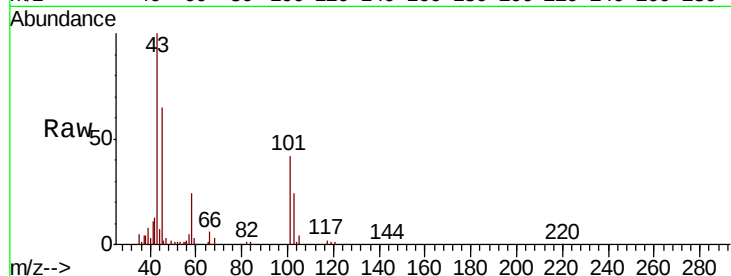
Tgt Ion: 43 Resp: 156099
 Ion Ratio Lower Upper
 43 100
 57 53.8 40.5 60.7





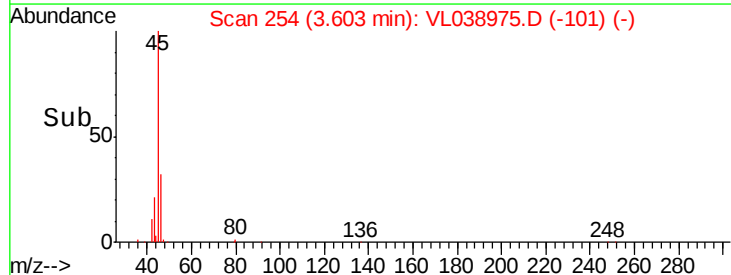
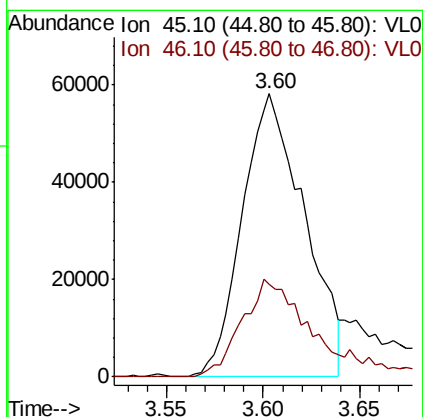
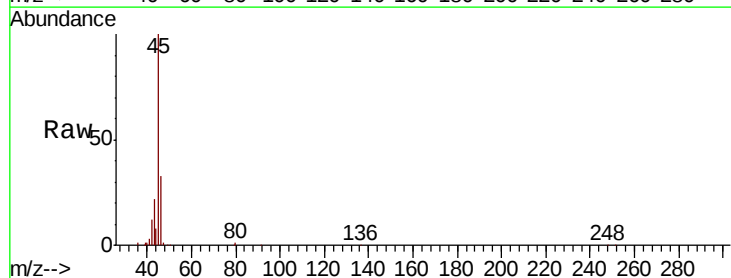
#11
 Trichlorofluoromethane
 Concen: 0.279 ppbv
 RT: 3.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 16:41

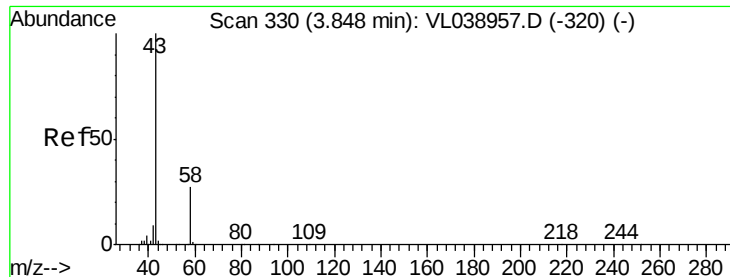
Tot Ion: 101 Resp: 44093
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.5 77.3



#13
 Ethanol
 Concen: 26.133 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.01 min
 Lab File: VL038975.D
 Acq: 5 May 2022 16:41

Tgt Ion: 45 Resp: 130146
 Ion Ratio Lower Upper
 45 100
 46 41.9 18.0 72.2





#15

Acetone

Concen: 52.039 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

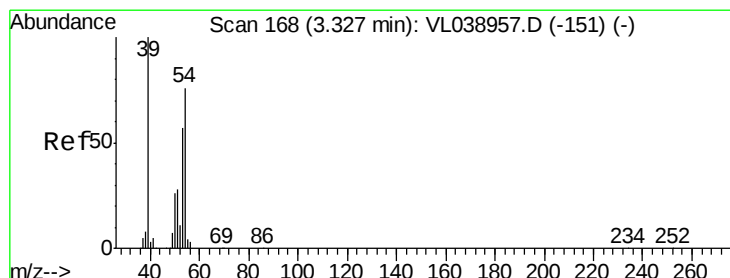
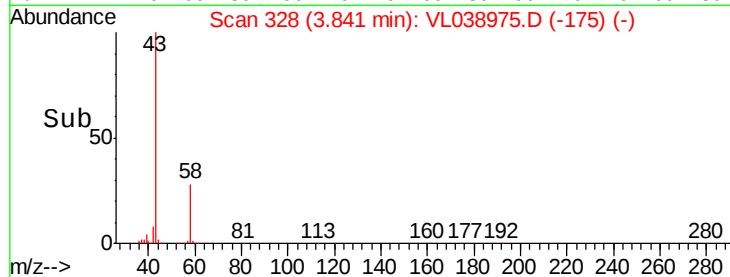
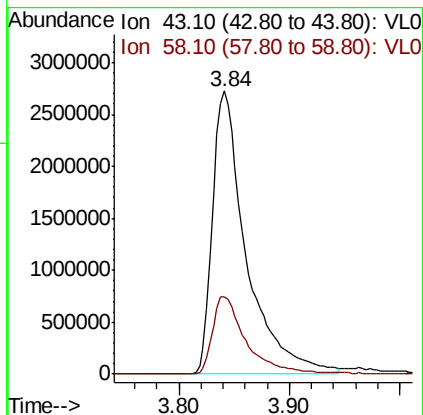
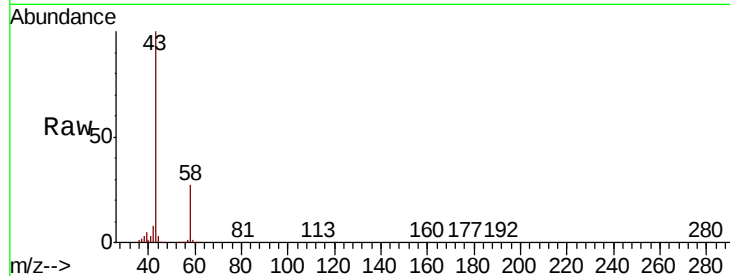
Acq: 5 May 2022 16:41

Tot Ion: 43 Resp: 5777039

Ion Ratio Lower Upper

43 100

58 28.3 21.3 31.9



#16

1,3-Butadiene

Concen: 1.755 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL038975.D

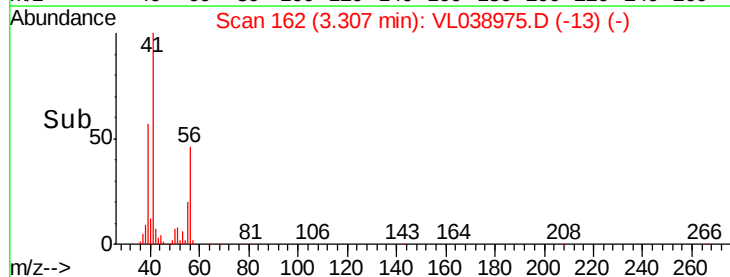
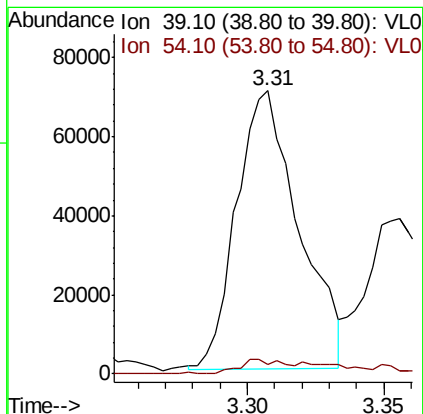
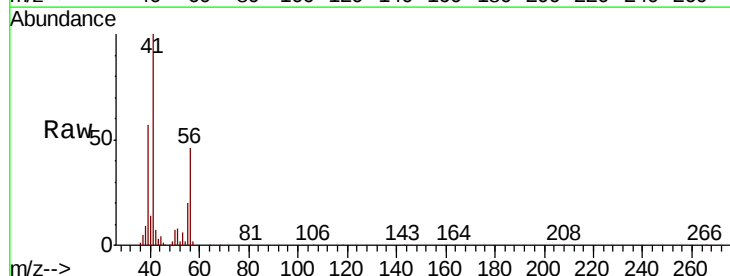
Acq: 5 May 2022 16:41

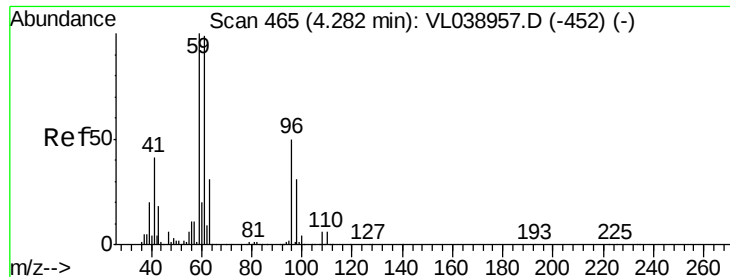
Tgt Ion: 39 Resp: 111924

Ion Ratio Lower Upper

39 100

54 8.7 65.2 97.8#





#17

tert-Butyl alcohol

Concen: 0.377 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

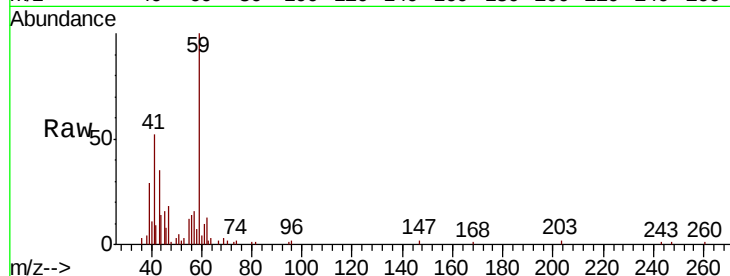
Acq: 5 May 2022 16:41

Tot Ion: 59 Resp: 32144

Ion Ratio Lower Upper

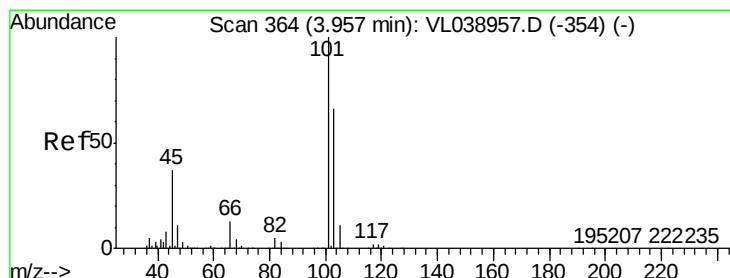
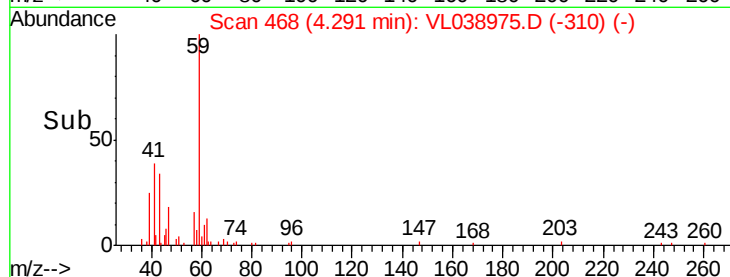
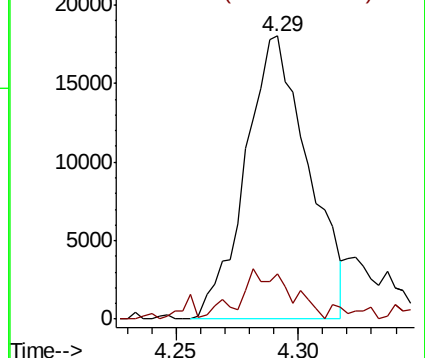
59 100

57 0.0 9.2 13.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 2.874 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL038975.D

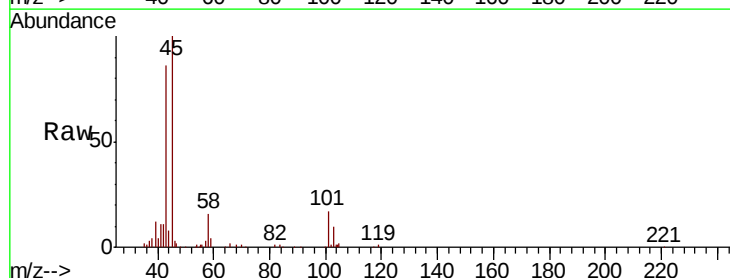
Acq: 5 May 2022 16:41

Tgt Ion: 45 Resp: 151680

Ion Ratio Lower Upper

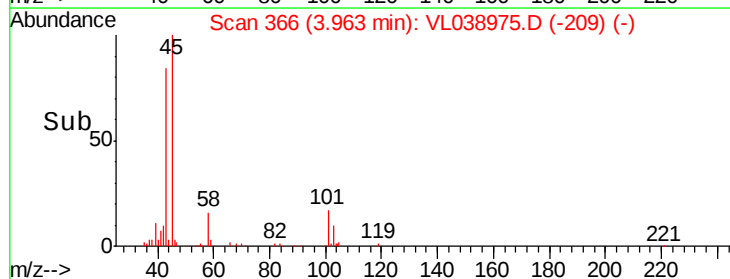
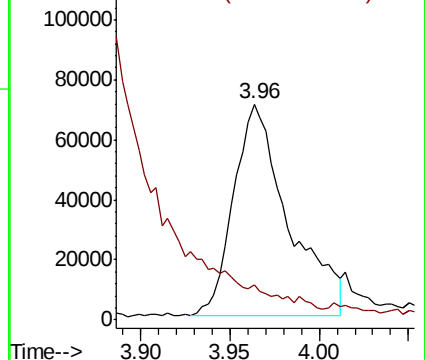
45 100

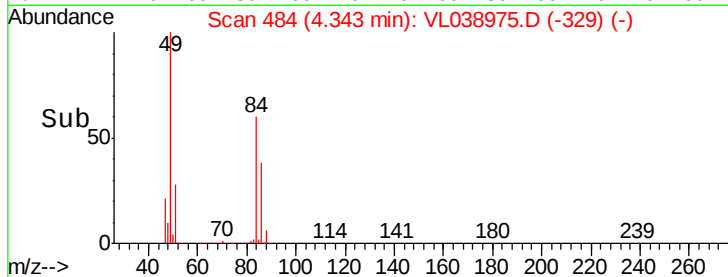
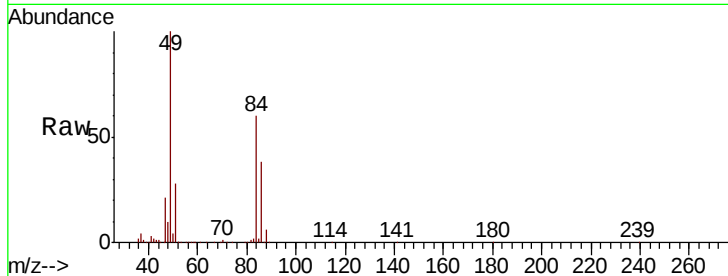
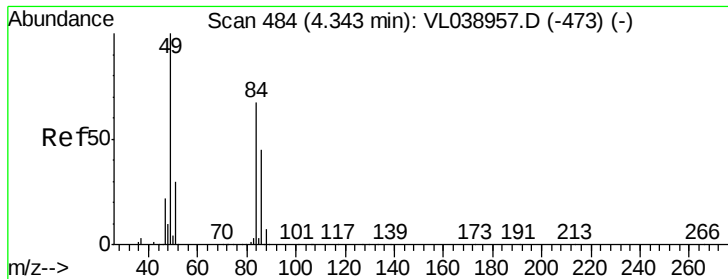
58 0.0 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

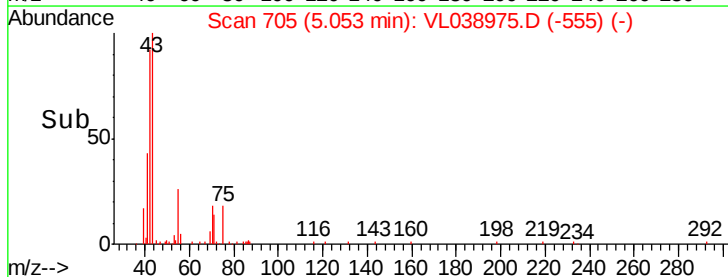
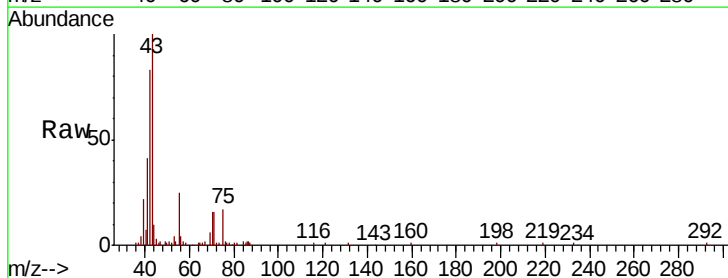
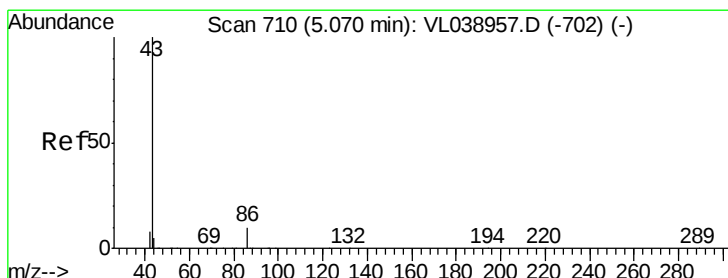
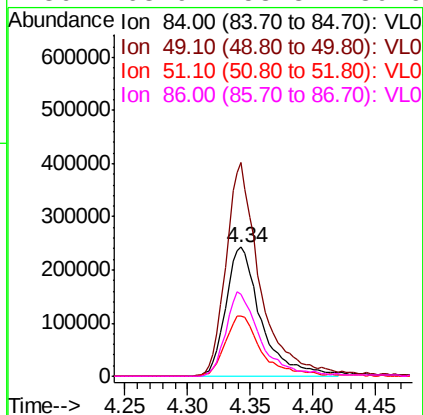
Ion 58.10 (57.80 to 58.80): VL0





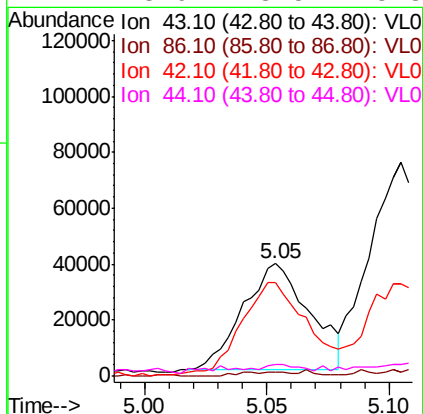
#20
Methvlene Chloride
Concen: 11.330 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 16:41

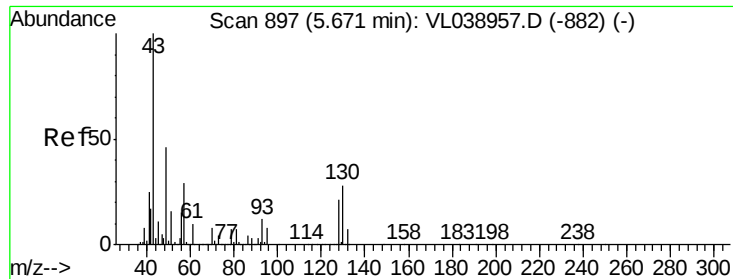
Tot Ion:	84	Resp:	474044
Ion	Ratio	Lower	Upper
84	100		
49	165.6	119.9	179.9
51	46.9	35.7	53.5
86	63.9	53.8	80.6



#23
Vinyl Acetate
Concen: 0.812 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL038975.D
Acq: 5 May 2022 16:41

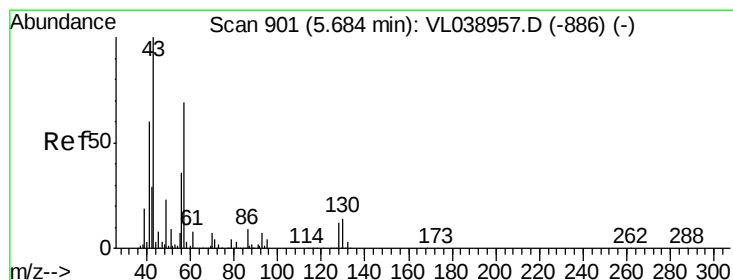
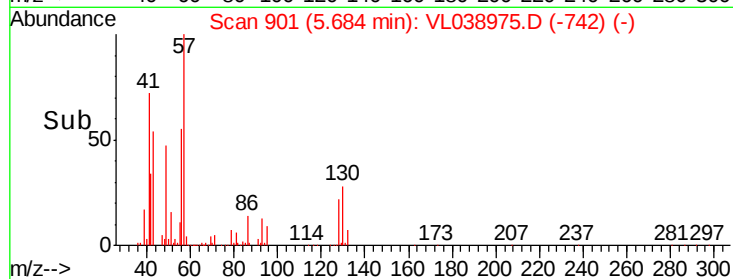
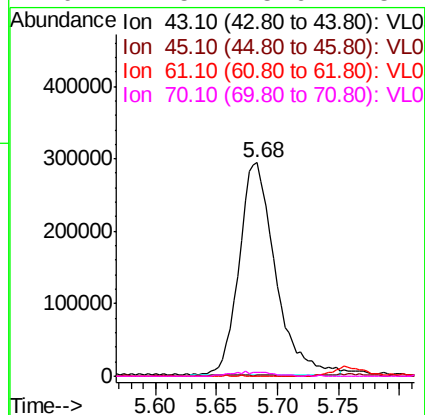
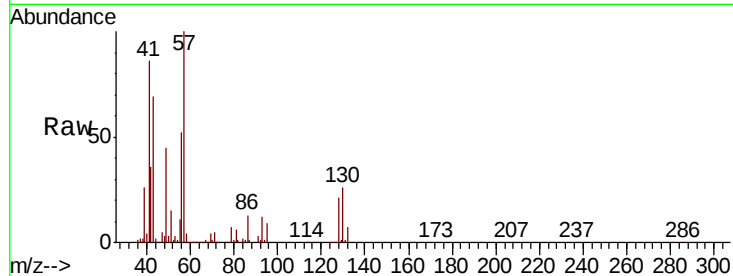
Tgt Ion:	43	Resp:	71344
Ion	Ratio	Lower	Upper
43	100		
86	3.7	6.6	9.8#
42	84.0	8.1	12.1#
44	3.9	3.5	5.3





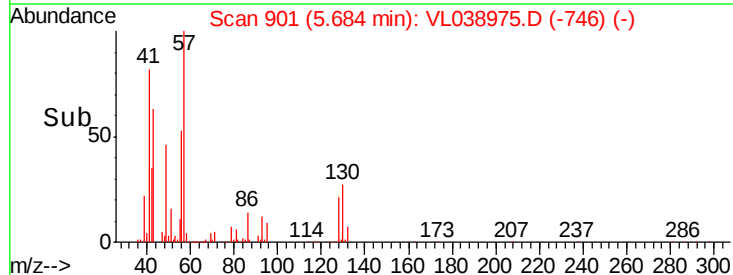
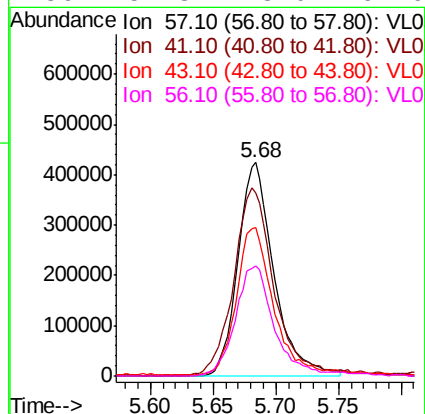
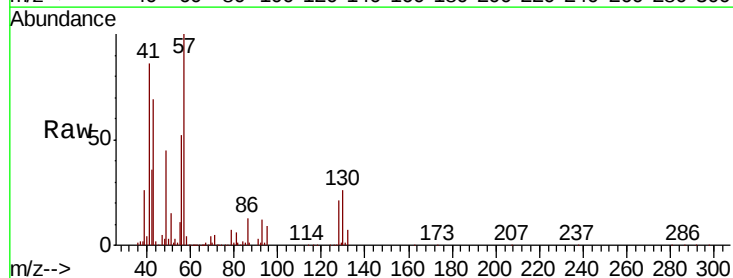
#25
Ethyl Acetate
Concen: 2.267 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 16:41

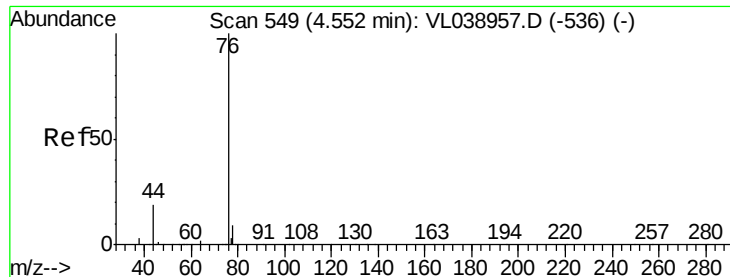
Tot Ion:	43	Resp:	602240
Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.1	12.1#
61	0.4	7.8	11.6#
70	2.5	5.6	8.4#



#26
Hexane
Concen: 7.157 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL038975.D
Acq: 5 May 2022 16:41

Tgt Ion:	57	Resp:	844958
Ion	Ratio	Lower	Upper
57	100		
41	99.5	75.2	112.8
43	73.5	190.8	286.2#
56	57.3	43.0	64.6





#27

Carbon Disulfide

Concen: 2.707 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 16:41

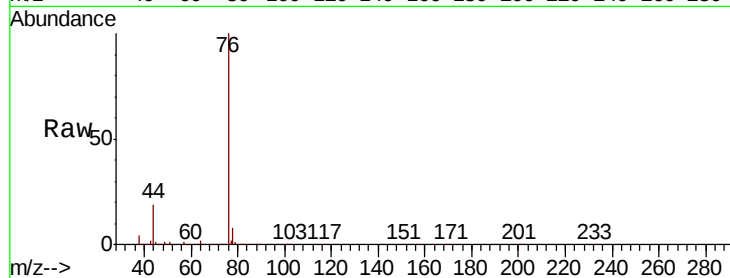
Tot Ion: 76 Resp: 303631

Ion Ratio Lower Upper

76 100

44 19.8 15.3 22.9

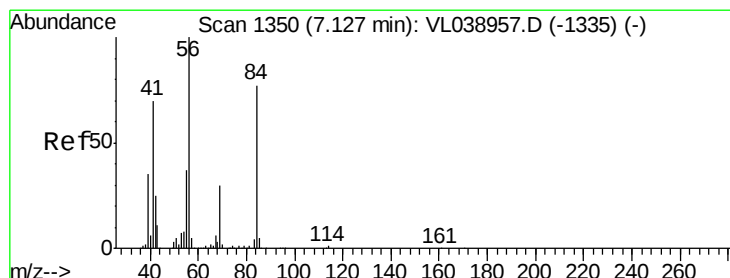
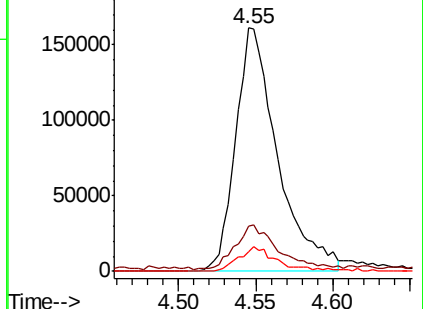
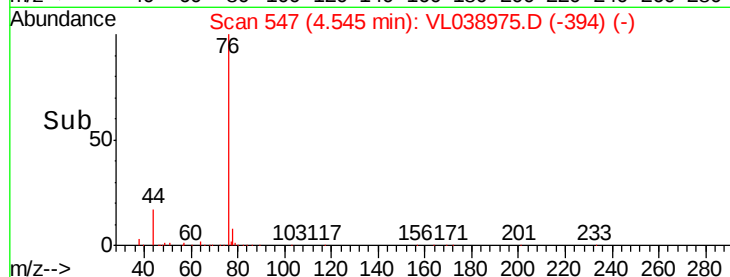
78 9.8 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.323 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.01 min

Lab File: VL038975.D

Acq: 5 May 2022 16:41

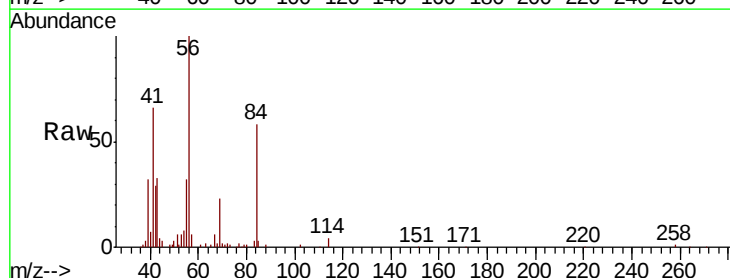
Tgt Ion: 84 Resp: 31975

Ion Ratio Lower Upper

84 100

56 453.6 115.3 172.9#

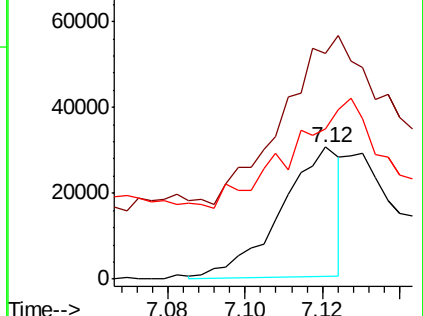
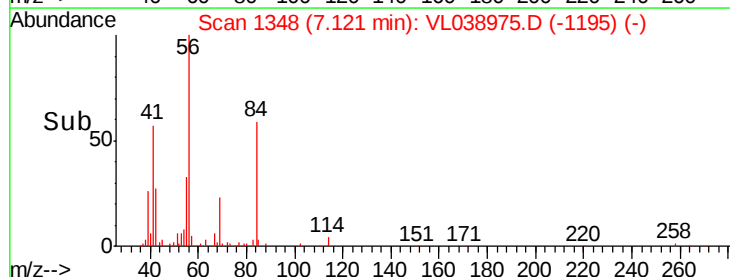
41 0.0 72.0 108.0#

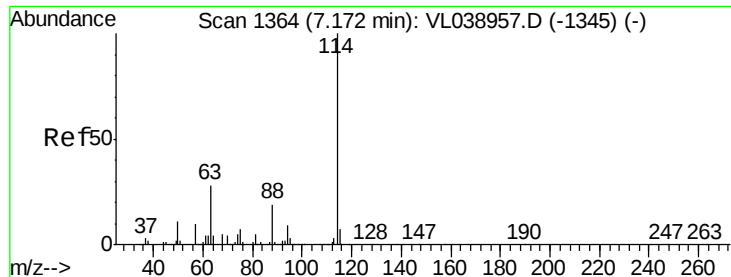


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

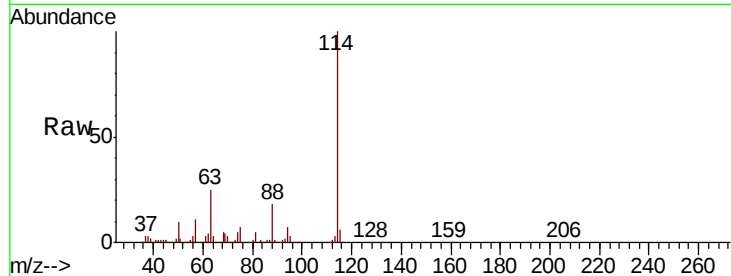
Ion 41.10 (40.80 to 41.80): VL0



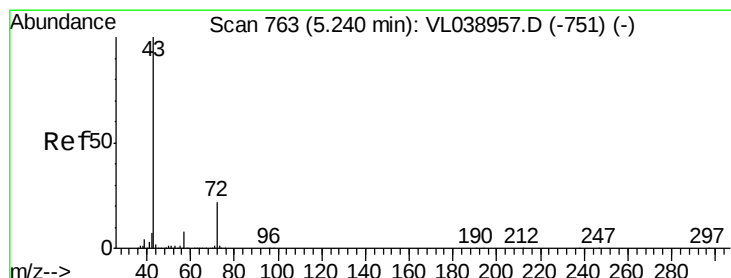
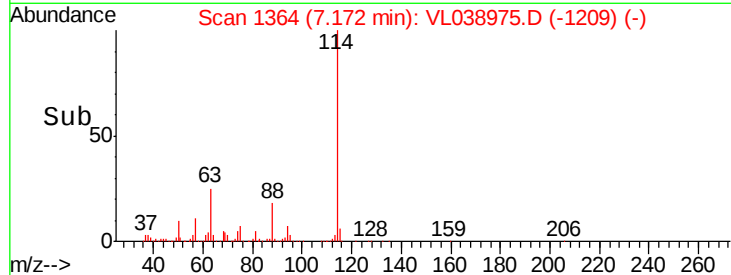
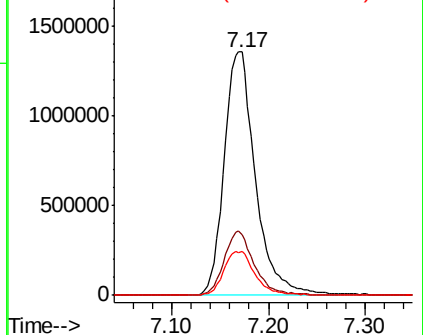


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 16:41

Tot Ion:114 Resp: 3044836
 Ion Ratio Lower Upper
 114 100
 63 25.8 22.6 33.8
 88 18.4 15.4 23.0

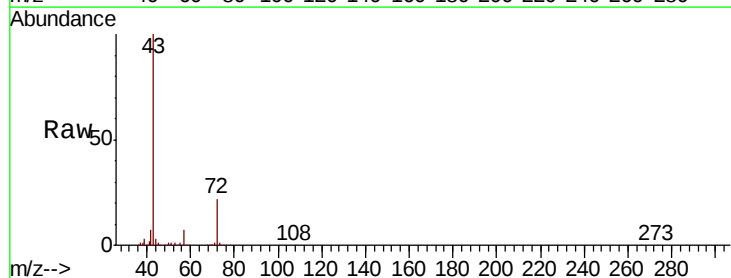


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

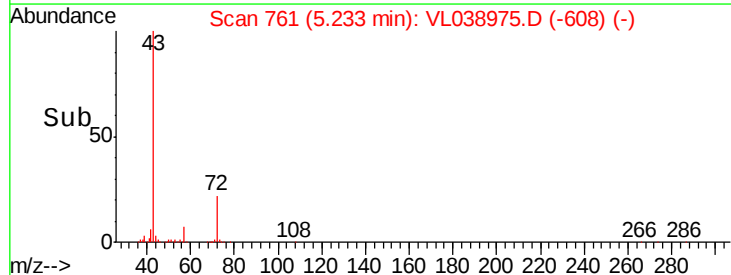
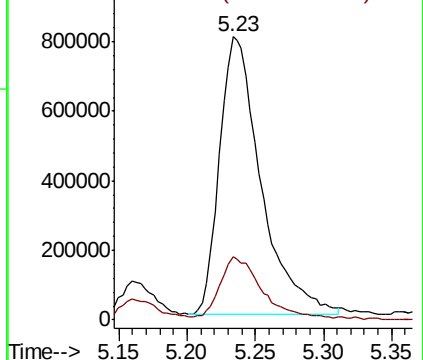


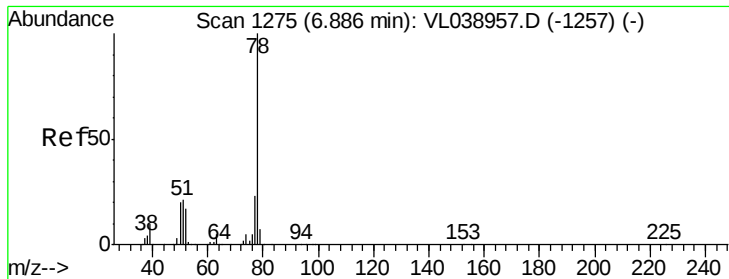
#34
 2-Butanone
 Concen: 10.850 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL038975.D
 Acq: 5 May 2022 16:41

Tgt Ion: 43 Resp: 1685386
 Ion Ratio Lower Upper
 43 100
 72 24.7 17.8 26.6



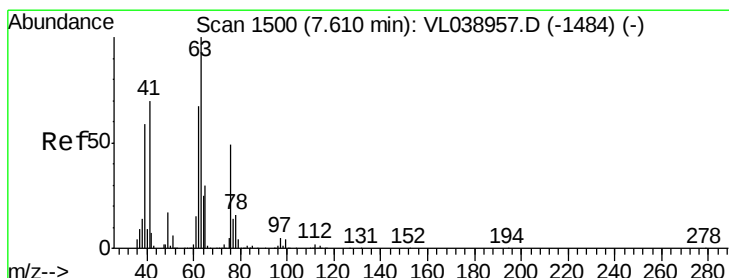
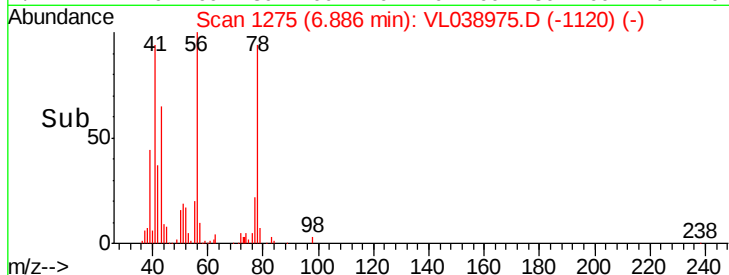
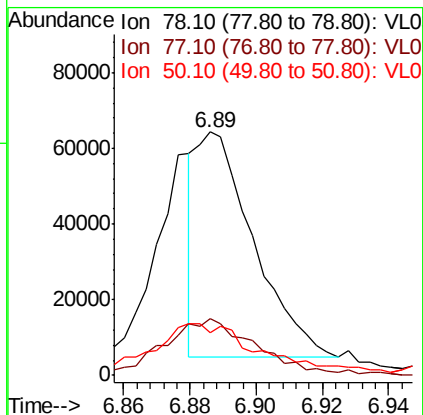
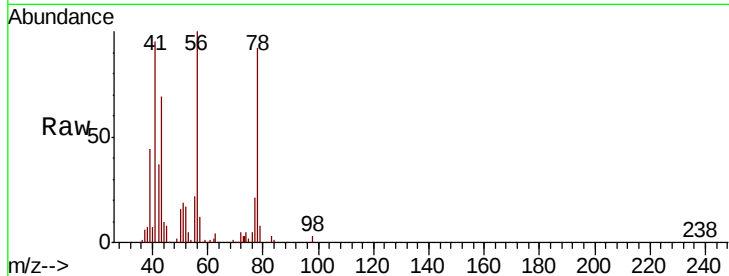
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





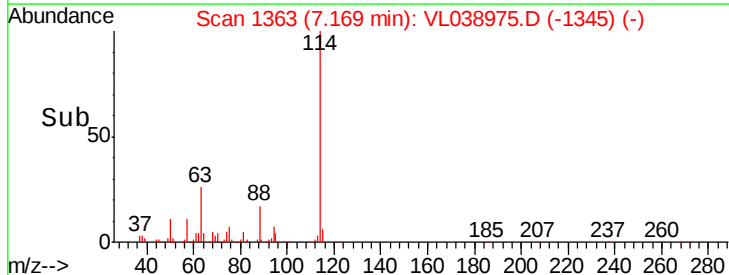
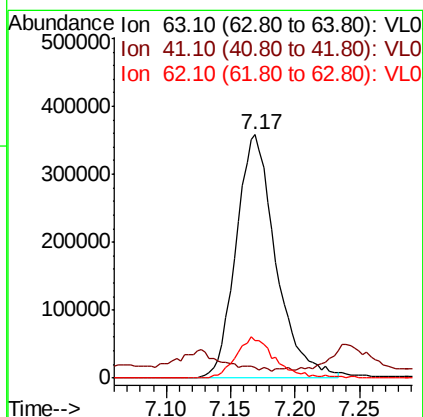
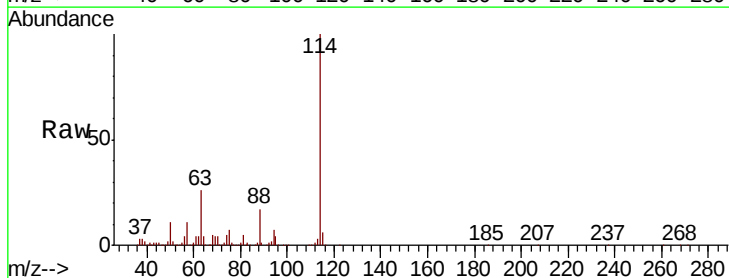
#36
Benzene
Concen: 0.271 ppbv
RT: 6.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 16:41

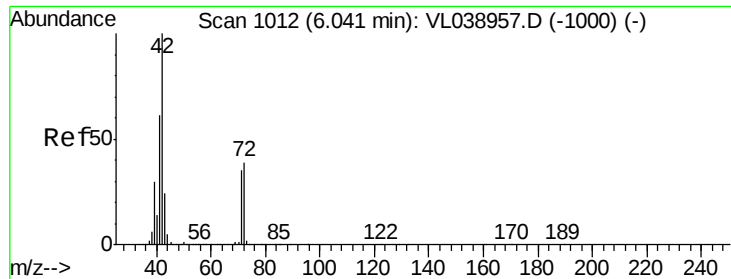
Tot Ion: 78 Resp: 70653
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0
50 14.7 15.6 23.4#



#39
1,2-Dichloropropane
Concen: 7.545 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.44 min
Lab File: VL038975.D
Acq: 5 May 2022 16:41

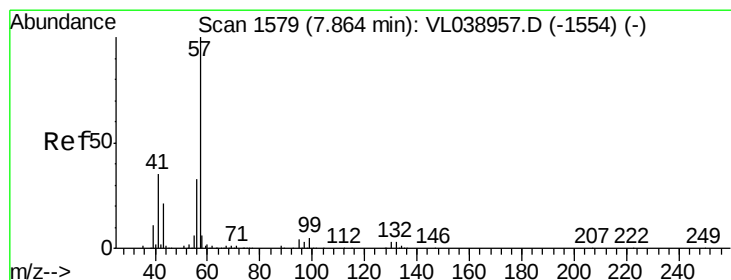
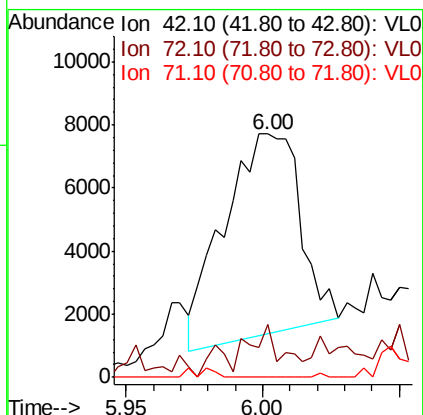
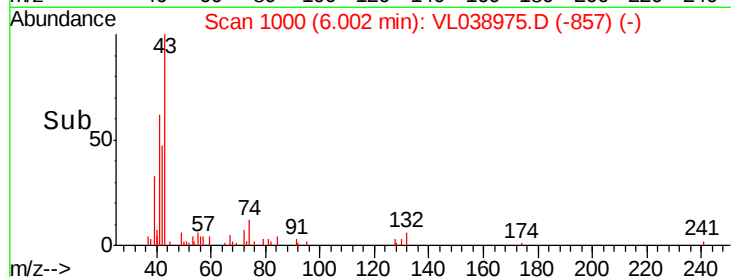
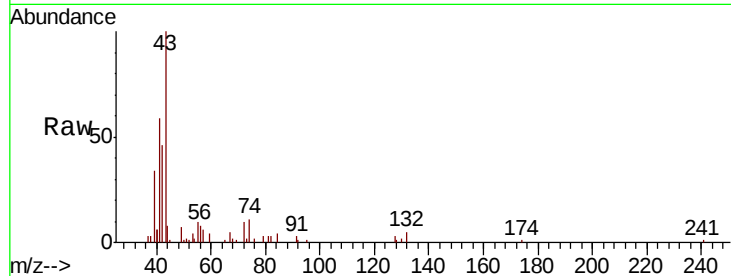
Tgt Ion: 63 Resp: 764936
Ion Ratio Lower Upper
63 100
41 0.0 55.9 83.9#
62 15.3 53.8 80.6#





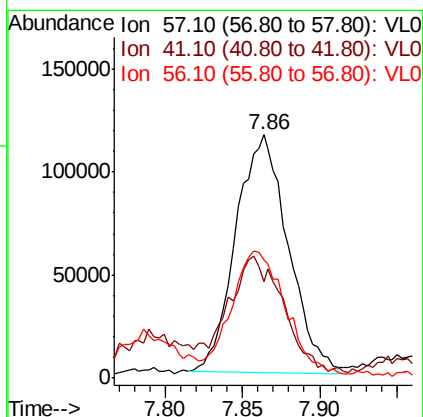
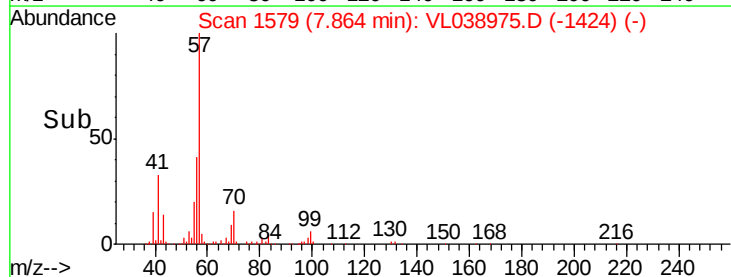
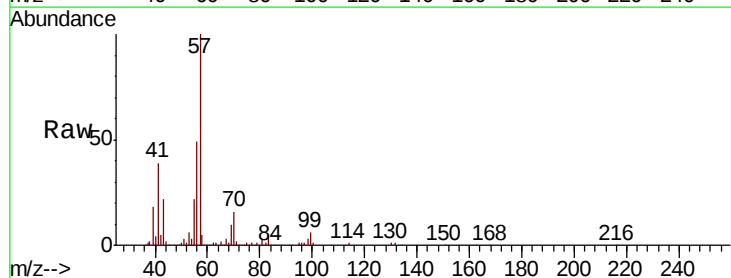
#41
Tetrahydrofuran
Concen: 0.119 ppbv
RT: 6.00 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 5 May 2022 16:41

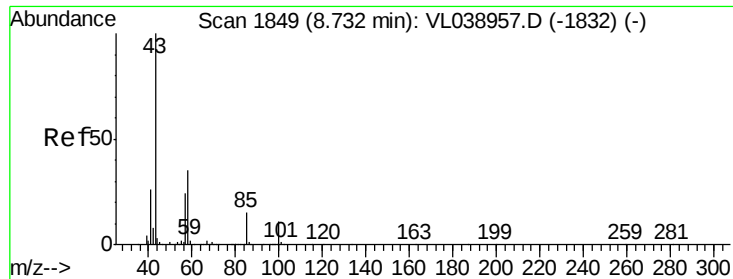
Tot Ion	Ratio	Lower	Upper
42	100		
72	23.1	31.8	47.6#
71	0.0	30.6	45.8#



#44
2,2,4-Trimethylpentane
Concen: 0.594 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VL038975.D
Acq: 5 May 2022 16:41

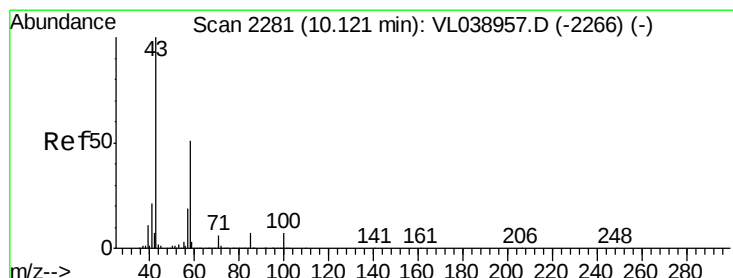
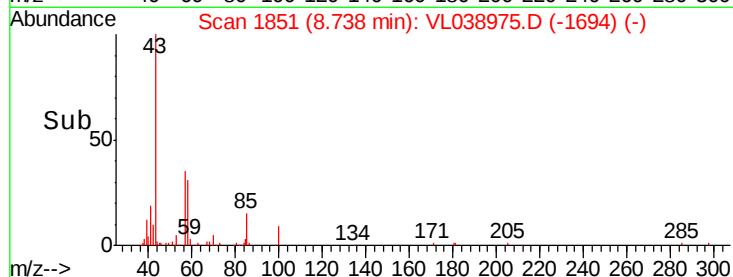
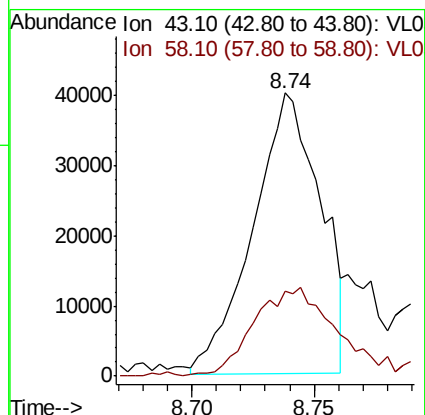
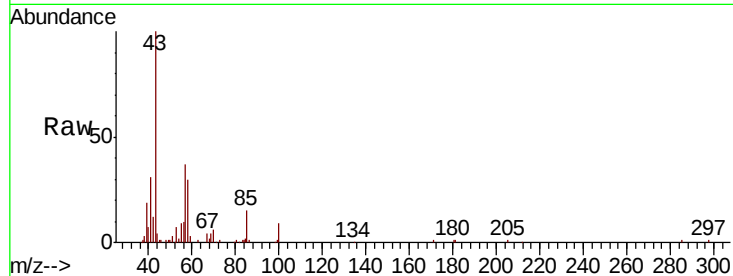
Tgt Ion	Ratio	Lower	Upper
57	100		
41	56.2	26.3	39.5#
56	54.4	24.6	37.0#





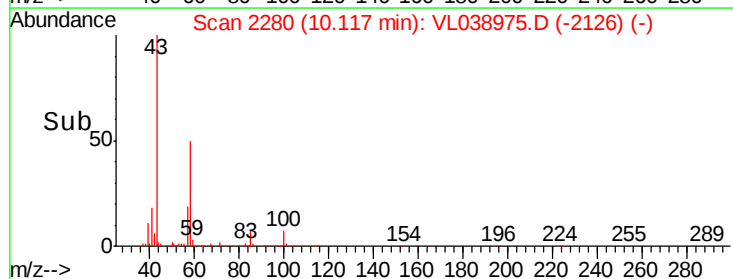
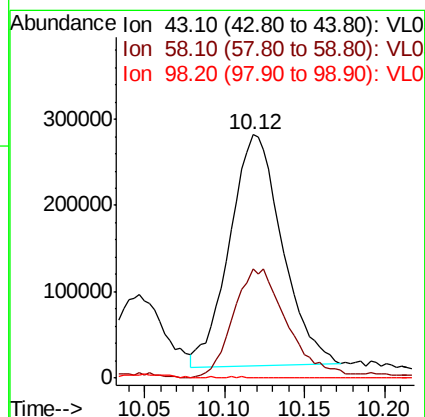
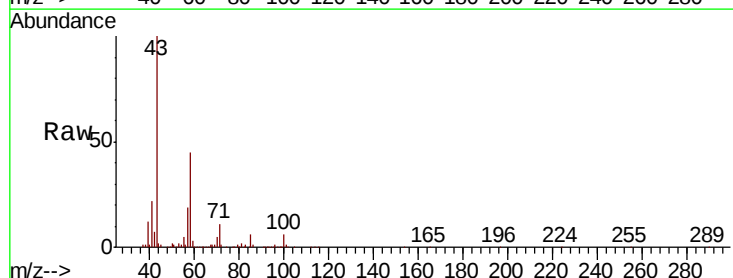
#50
 4-Methyl-2-Pentanone
 Concen: 0.281 ppbv
 RT: 8.74
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 5 May 2022 16:41

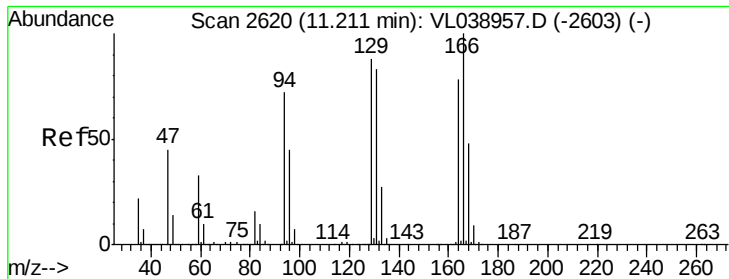
Tot Ion: 43 Resp: 76652
 Ion Ratio Lower Upper
 43 100
 58 43.3 28.4 42.6#



#51
 2-Hexanone
 Concen: 3.021 ppbv
 RT: 10.12 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VL038975.D
 Acq: 5 May 2022 16:41

Tgt Ion: 43 Resp: 600679
 Ion Ratio Lower Upper
 43 100
 58 50.5 39.3 58.9
 98 0.6 0.2 0.2#





#52

Tetrachloroethene

Concen: 4.109 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File:

Acq: 5 May 2022 16:41

ClientSampleId:

Tot Ion:164 Resp: 382608

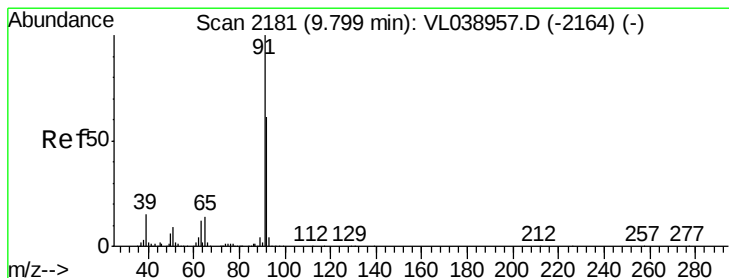
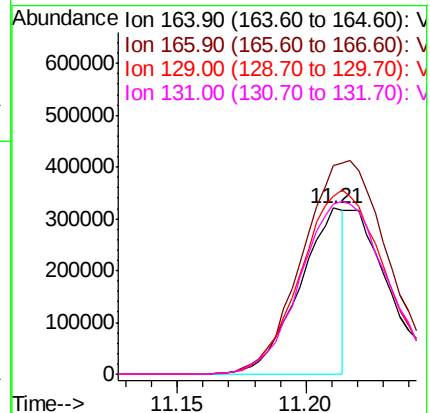
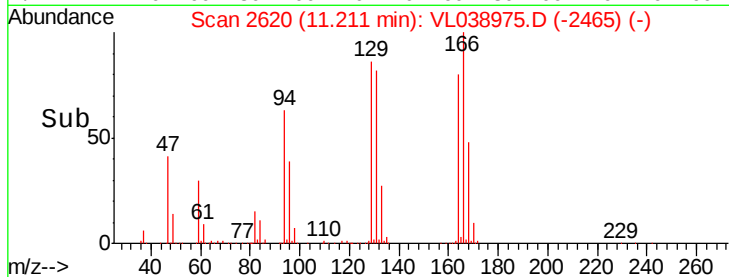
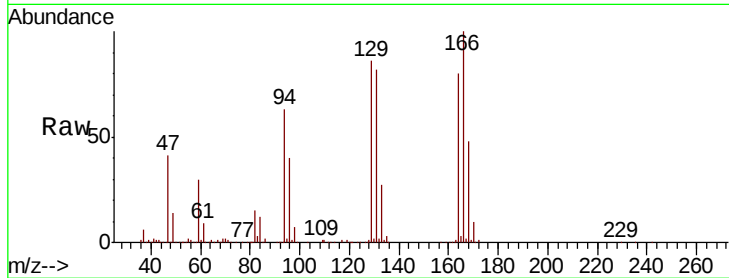
Ion Ratio Lower Upper

164 100

166 125.5 102.5 153.7

129 107.4 90.1 135.1

131 102.3 84.8 127.2



#53

Toluene

Concen: 1.579 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL038975.D

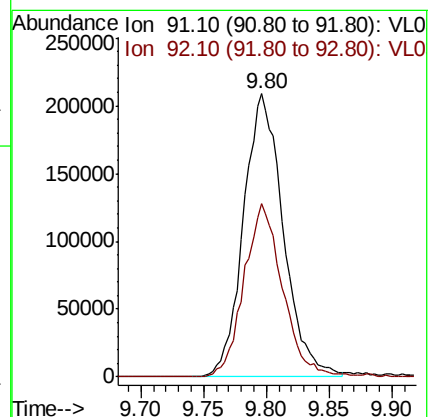
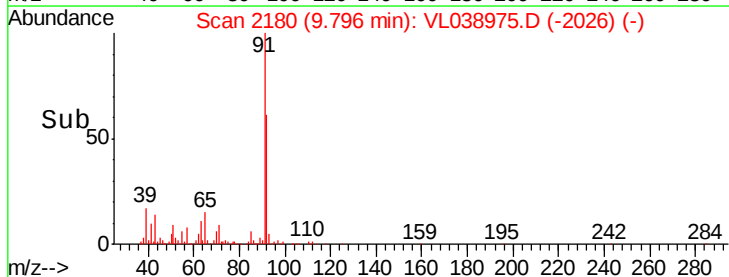
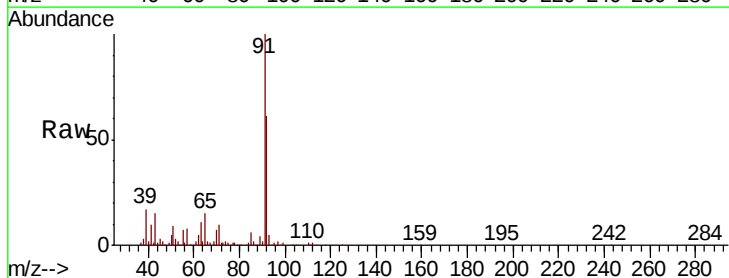
Acq: 5 May 2022 16:41

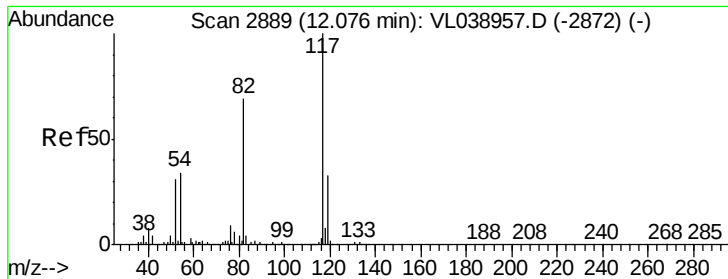
Tgt Ion: 91 Resp: 461087

Ion Ratio Lower Upper

91 100

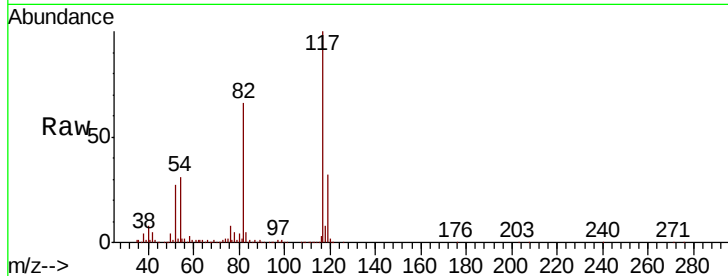
92 60.0 48.2 72.2



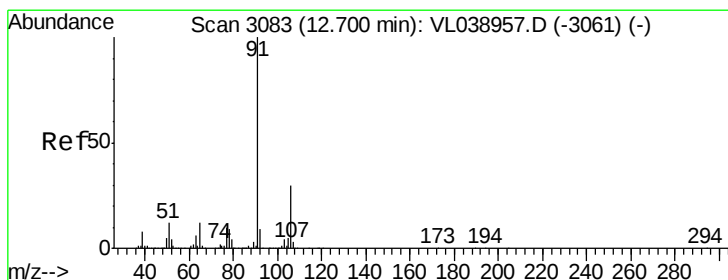
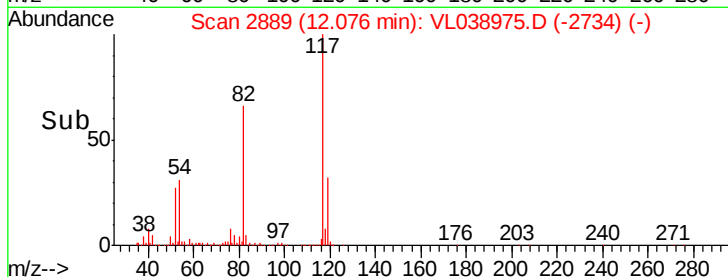
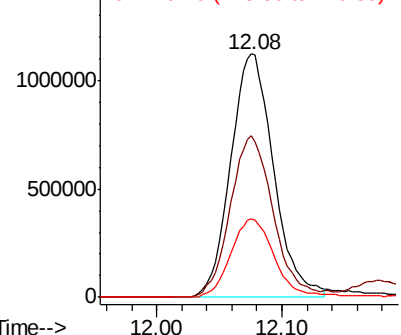


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 16:41

Tot Ion: 117 Resp: 2676954
Ion Ratio Lower Upper
117 100
82 66.8 57.0 85.6
119 33.1 27.2 40.8

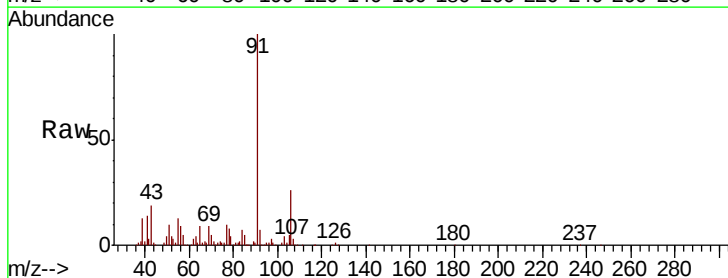


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

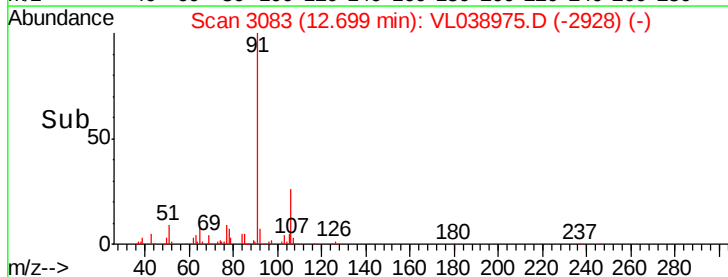
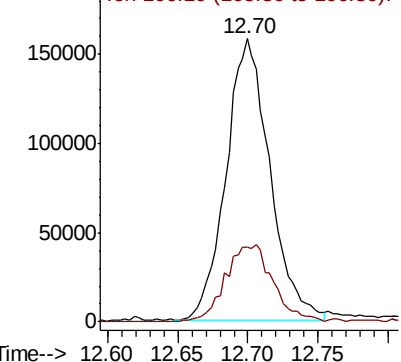


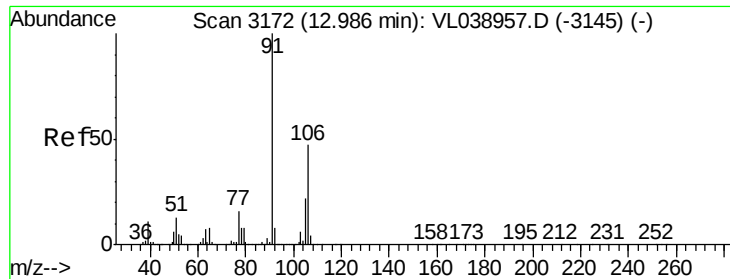
#58
Ethyl Benzene
Concen: 0.886 ppbv
RT: 12.70 min Scan# 3083
Delta R.T.: -0.00 min
Lab File: VL038975.D
Acq: 5 May 2022 16:41

Tgt Ion: 91 Resp: 341487
Ion Ratio Lower Upper
91 100
106 26.2 24.2 36.4



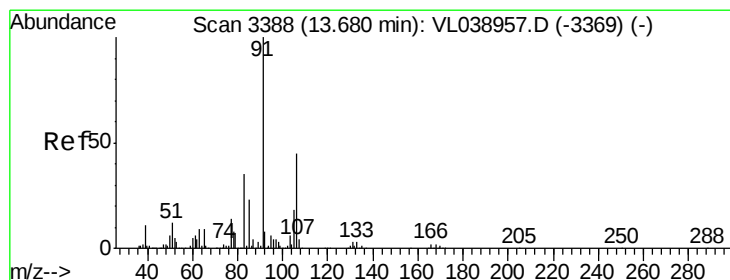
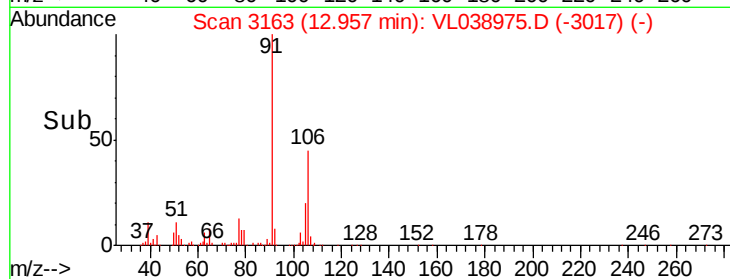
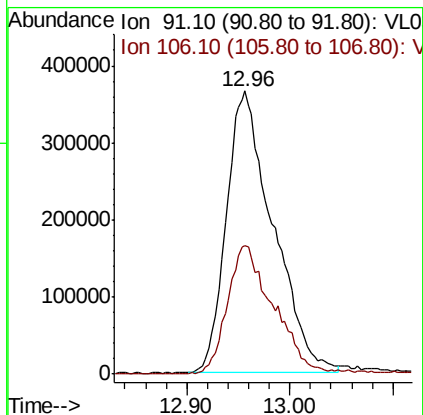
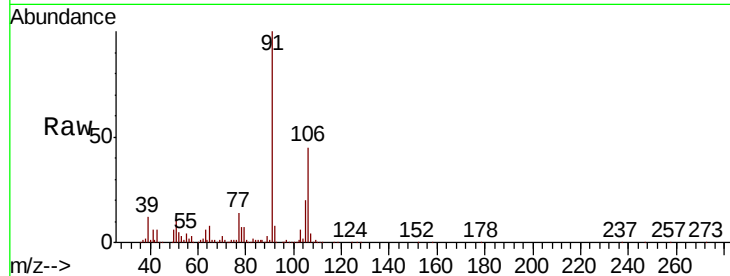
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





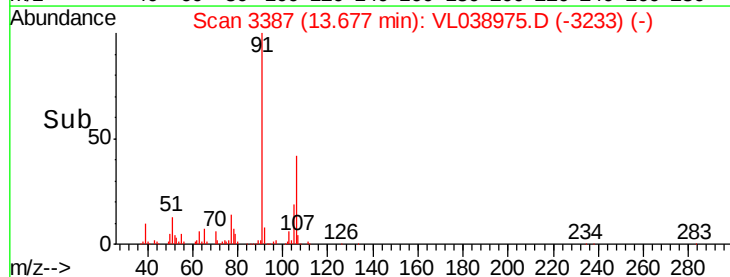
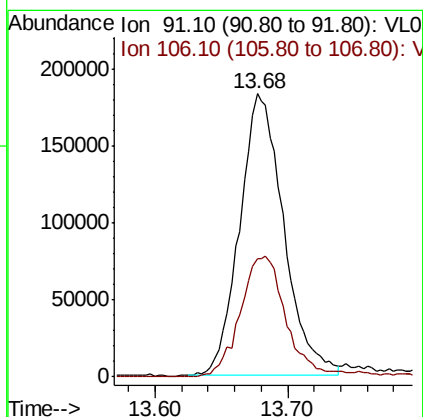
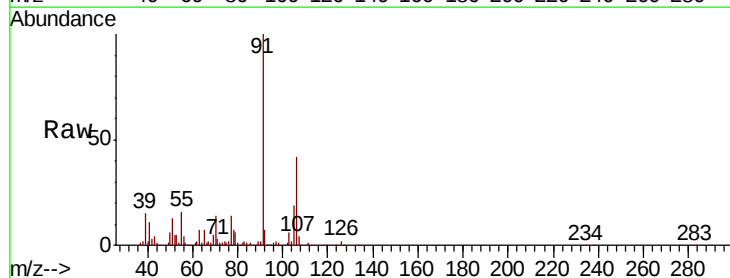
#59
m/p-Xylene
Concen: 3.504 ppbv
RT: 12.96
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 May 2022 16:41

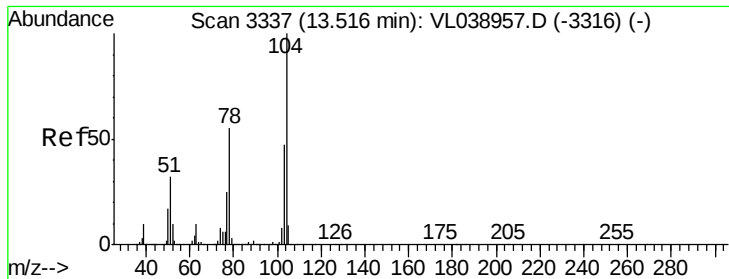
Tot Ion: 91 Resp: 1152363
Ion Ratio Lower Upper
91 100
106 45.5 34.6 52.0



#60
o-Xylene
Concen: 1.370 ppbv
RT: 13.68 min Scan# 3387
Delta R.T.: -0.00 min
Lab File: VL038975.D
Acq: 5 May 2022 16:41

Tgt Ion: 91 Resp: 423935
Ion Ratio Lower Upper
91 100
106 45.9 22.2 66.6





#61

Stvrene

Concen: 0.204 ppbv

RT: 13.51 min

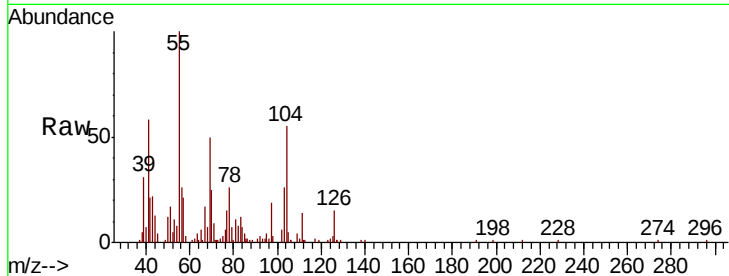
Delta R.T. MSVOA_L

Lab File:

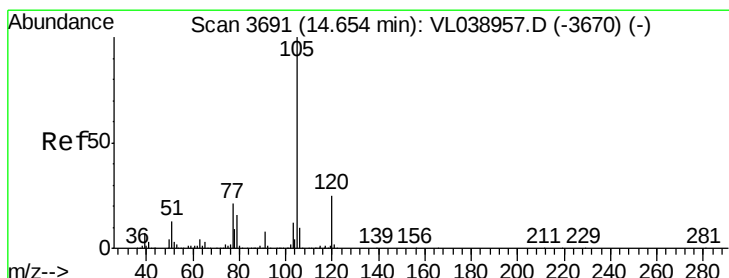
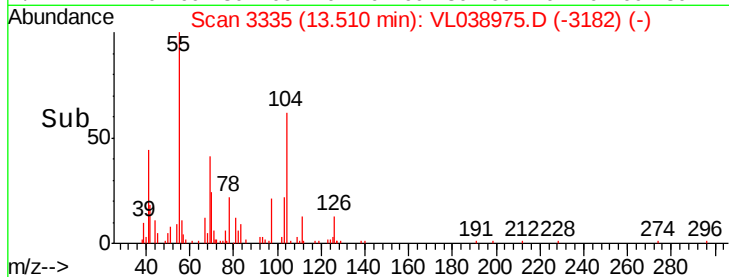
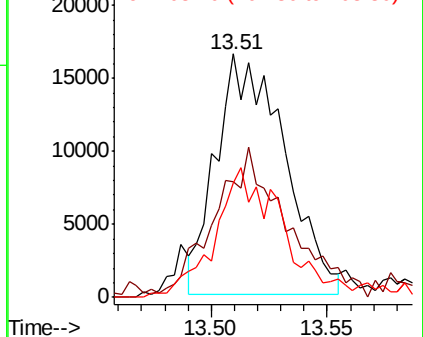
Acq: 5 May 2022 16:41

Instrument :
ClientSampleId :

Tot Ion:	104	Resp:	33635
Ion	Ratio	Lower	Upper
104	100		
78	69.3	46.4	69.6
103	58.2	39.3	58.9



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: 0.399 ppbv

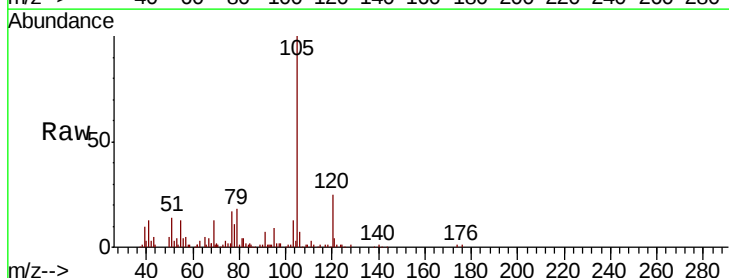
RT: 14.66 min Scan# 3692

Delta R.T. 0.00 min

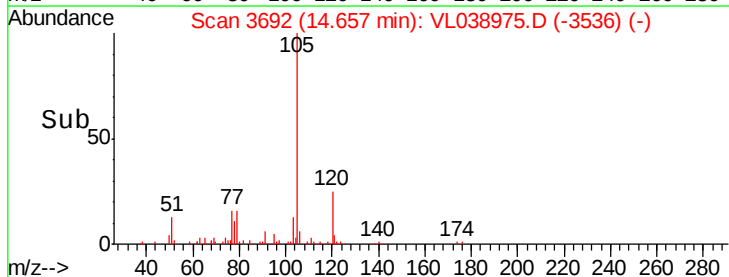
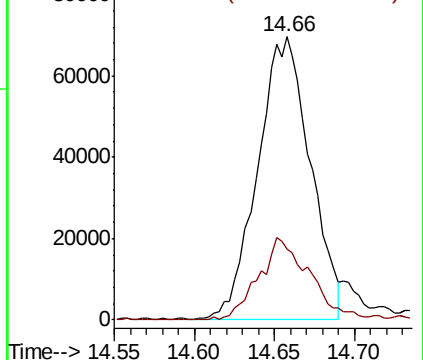
Lab File: VL038975.D

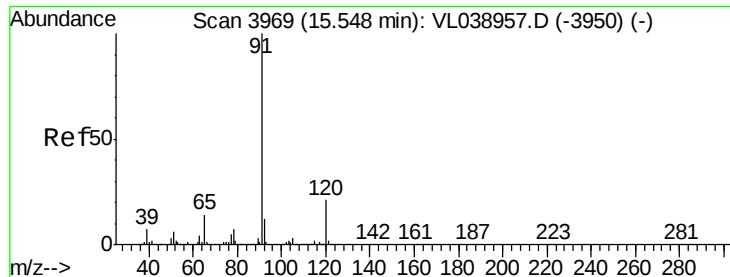
Acq: 5 May 2022 16:41

Tgt Ion:	105	Resp:	157841
Ion	Ratio	Lower	Upper
105	100		
120	29.6	20.5	30.7



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





#64

n-propylbenzene

Concen: 0.144 ppbv

RT: 15.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

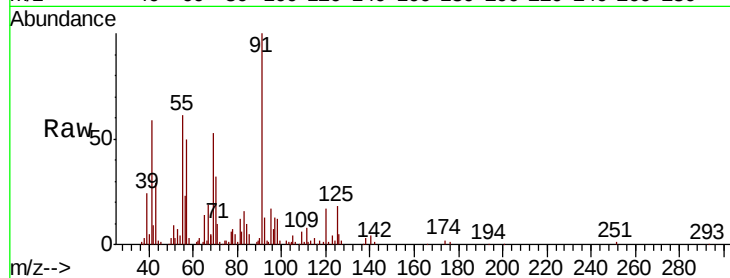
Acq: 5 May 2022 16:41

Tot Ion:120 Resp: 15728

Ion Ratio Lower Upper

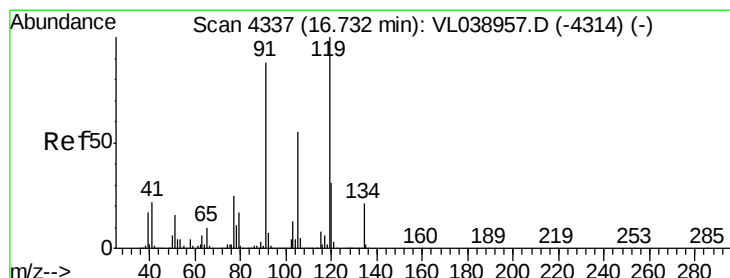
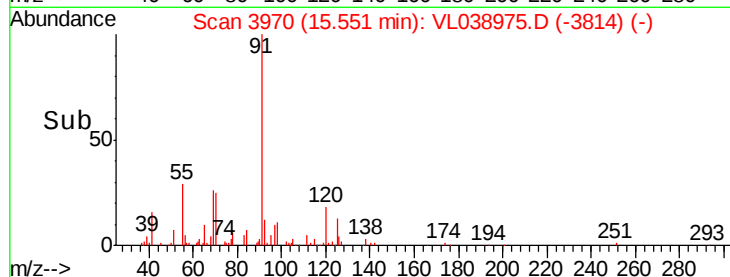
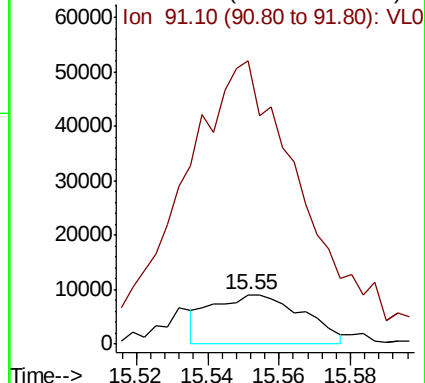
120 100

91 838.2 400.6 601.0#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.031 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.01 min

Lab File: VL038975.D

Acq: 5 May 2022 16:41

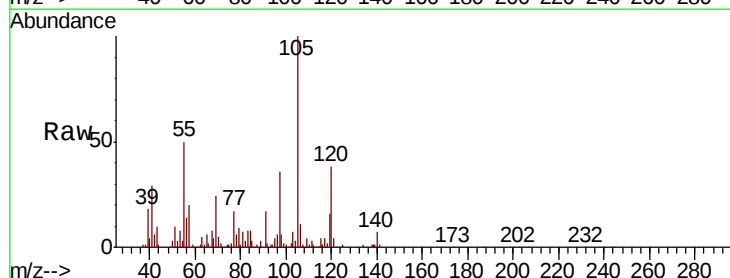
Tgt Ion:119 Resp: 12359

Ion Ratio Lower Upper

119 100

91 0.0 69.4 104.2#

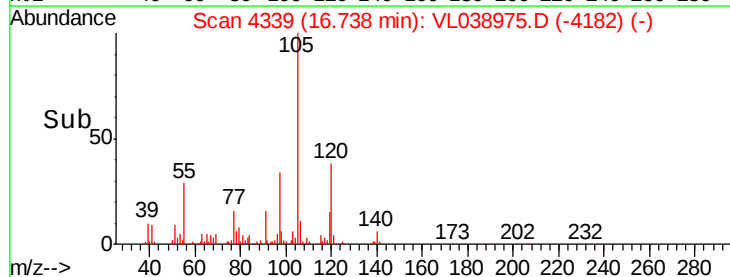
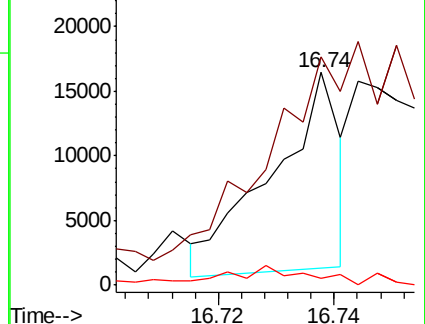
134 16.7 15.8 23.8

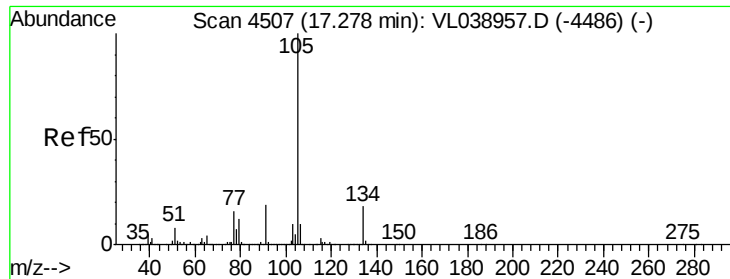


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.048 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

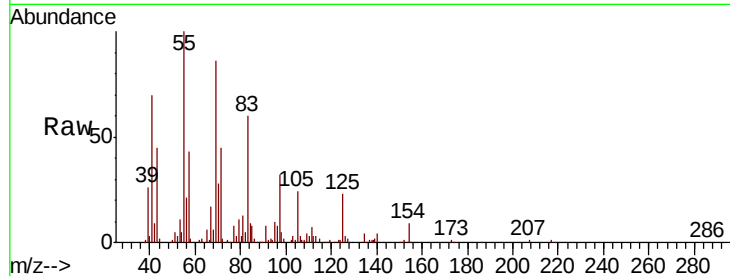
Acq: 5 May 2022 16:41

Tot Ion: 105 Resp: 27049

Ion Ratio Lower Upper

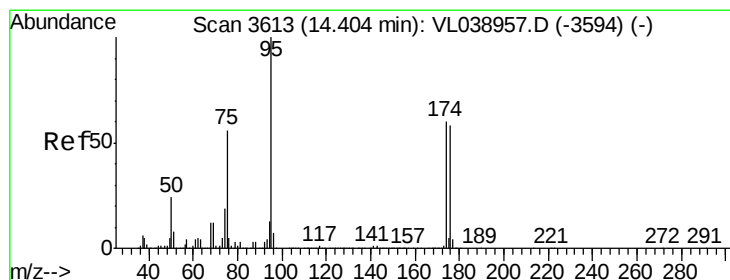
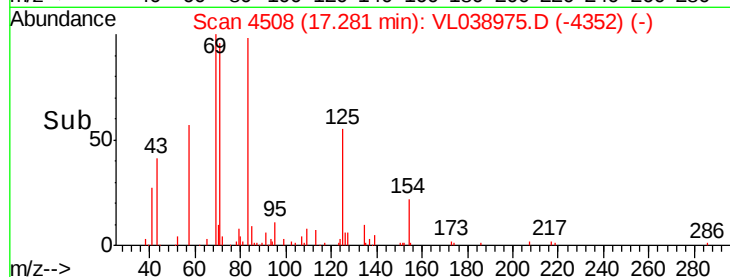
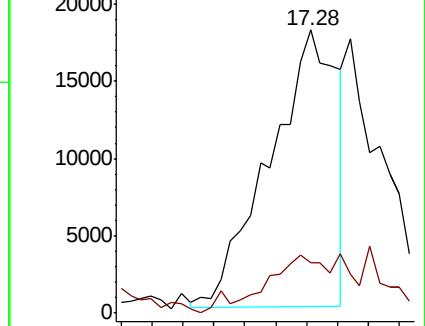
105 100

134 0.0 14.2 21.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.168 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL038975.D

Acq: 5 May 2022 16:41

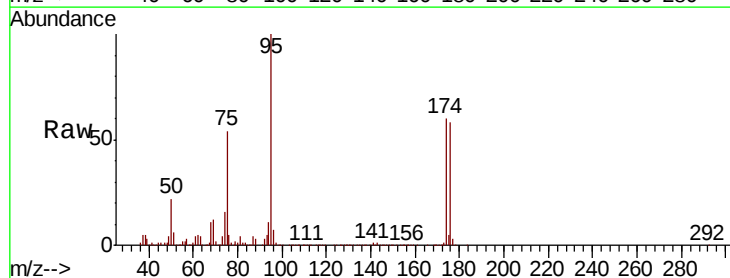
Tgt Ion: 95 Resp: 2155605

Ion Ratio Lower Upper

95 100

174 64.4 50.8 76.2

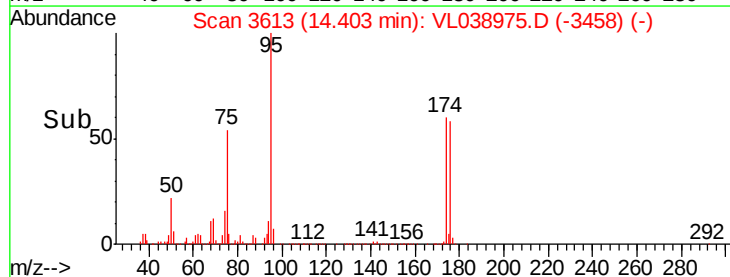
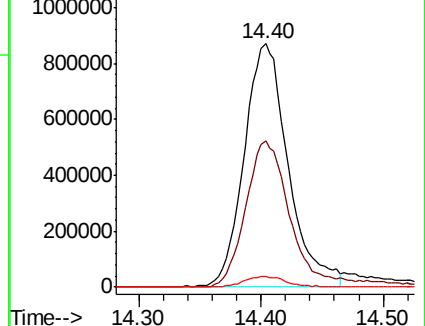
175 4.7 3.8 5.6

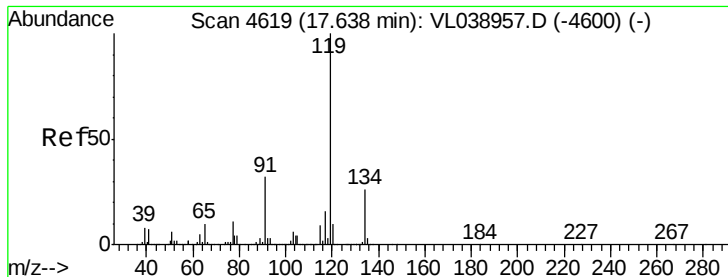


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

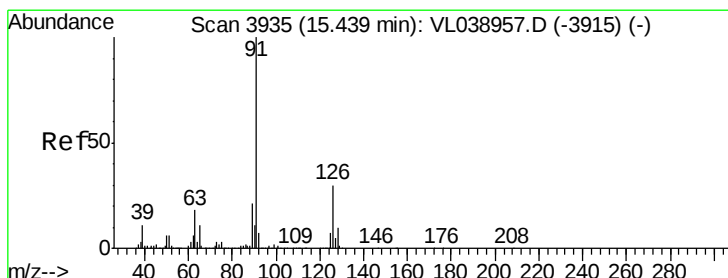
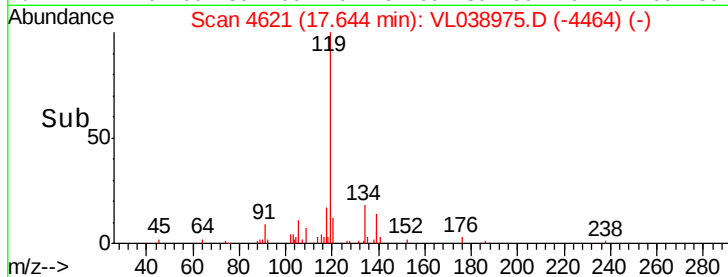
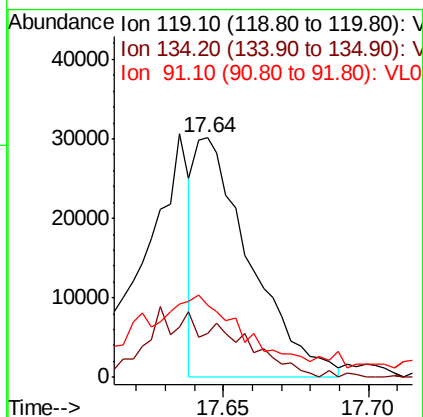
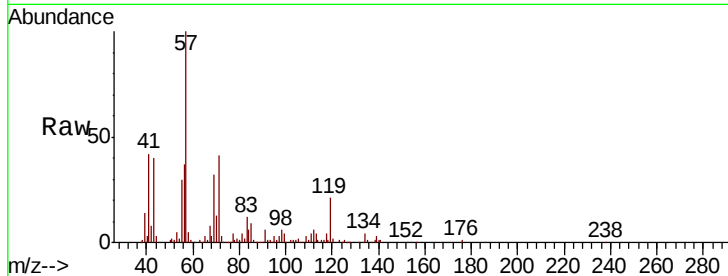
Ion 175.00 (174.70 to 175.70): V





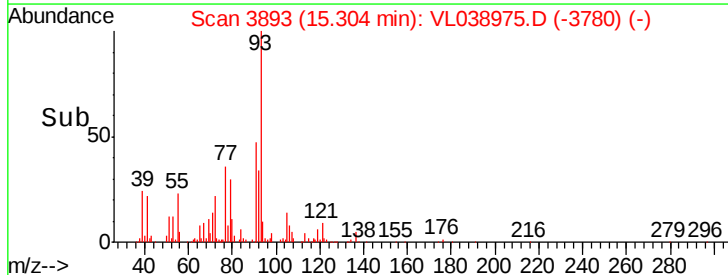
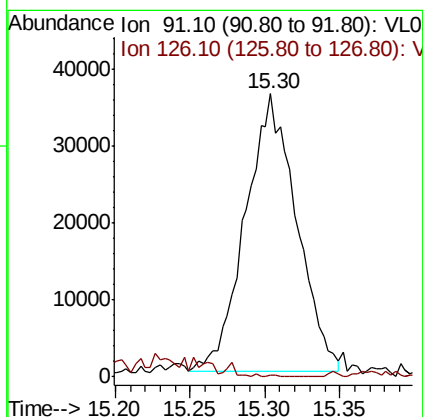
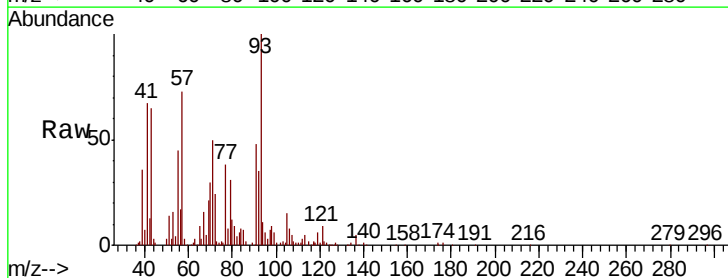
#69
 p-Isopropyltoluene
 Concen: 0.087 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 May 2022 16:41

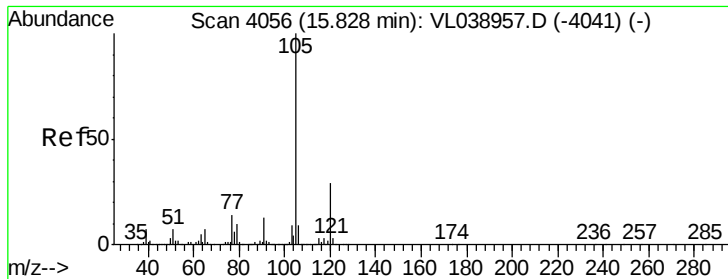
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.0	30.0#
91	102.2	24.8	37.2#



#71
 2-Chlorotoluene
 Concen: 0.246 ppbv
 RT: 15.30 min Scan# 3893
 Delta R.T.: -0.14 min
 Lab File: VL038975.D
 Acq: 5 May 2022 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	2.1	11.9	47.5#





#72

4-Ethyltoluene

Concen: 0.307 ppbv

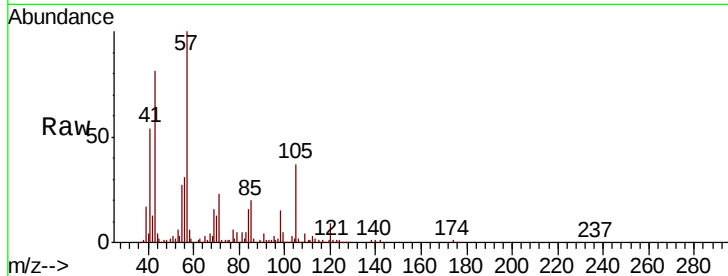
RT: 15.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 16:41

Tot Ion:	105	Resp:	108269
Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.4	35.0
91	17.7	10.6	16.0#
77	19.1	12.5	18.7#

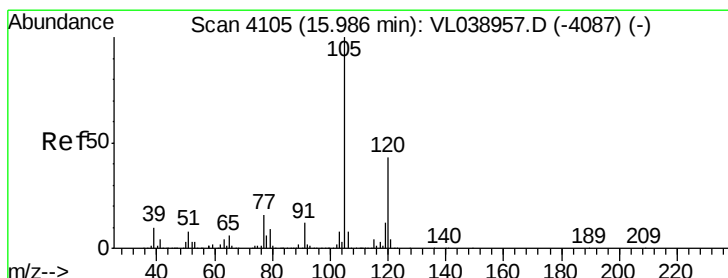
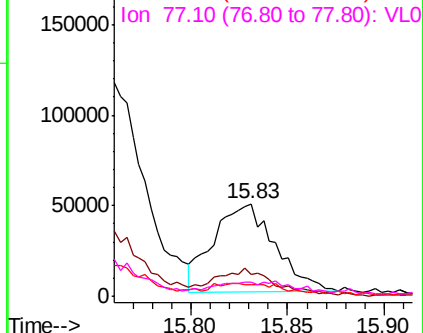
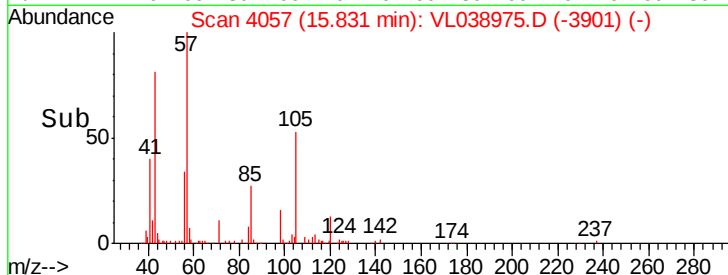


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.501 ppbv

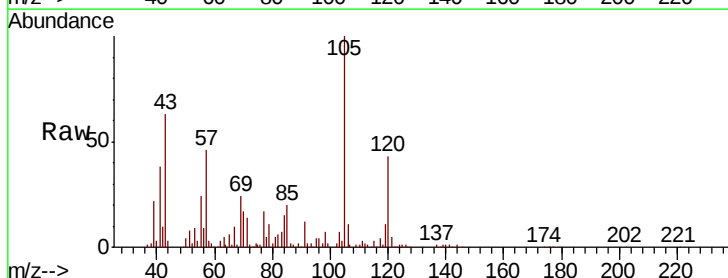
RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL038975.D

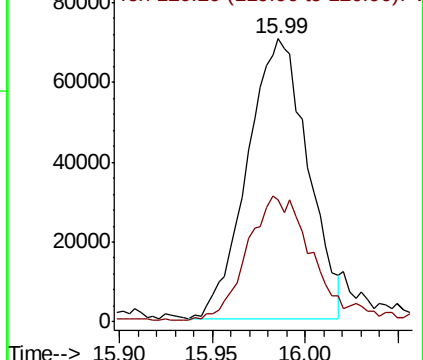
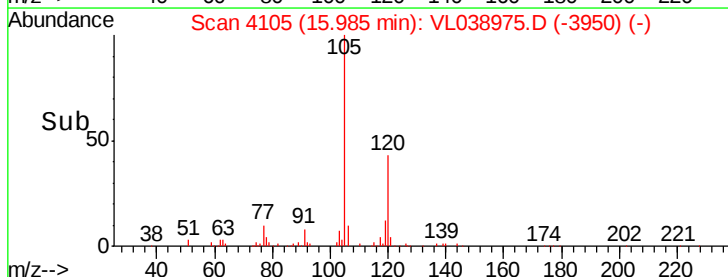
Acq: 5 May 2022 16:41

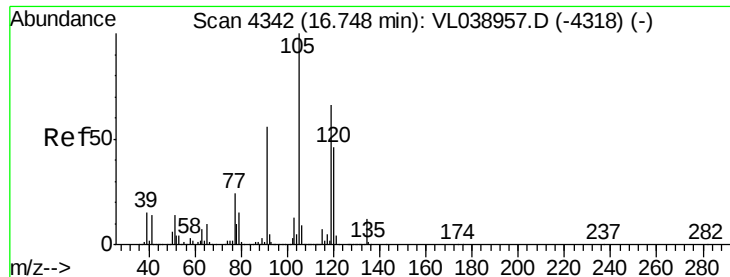
Tgt Ion:	105	Resp:	159042
Ion	Ratio	Lower	Upper
105	100		
120	42.2	34.4	51.6



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: 0.947 ppbv

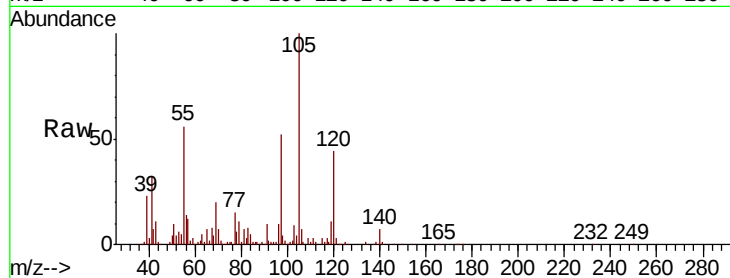
RT: 16.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 16:41

Tot Ion:	105	Resp:	329283
Ion	Ratio	Lower	Upper
105	100		
120	43.9	36.9	55.3
91	9.0	45.0	67.4#
77	13.9	19.2	28.8#

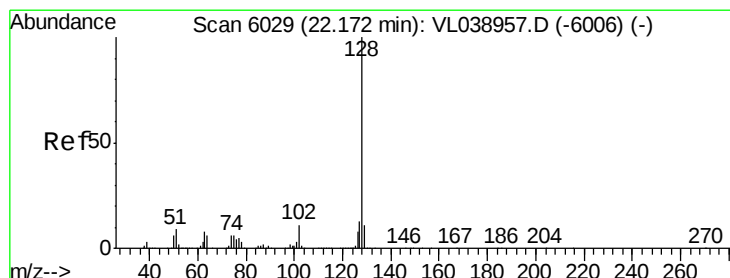
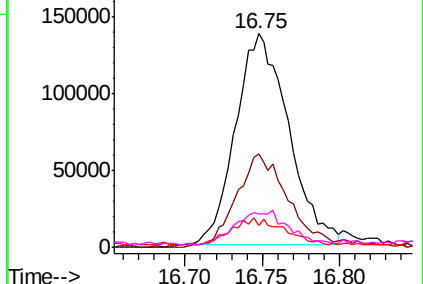
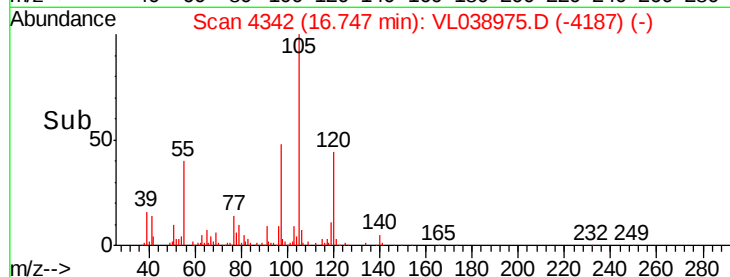


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.050 ppbv

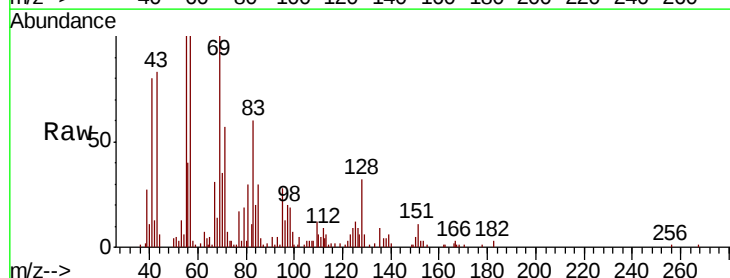
RT: 22.17 min Scan# 6030

Delta R.T. 0.00 min

Lab File: VL038975.D

Acq: 5 May 2022 16:41

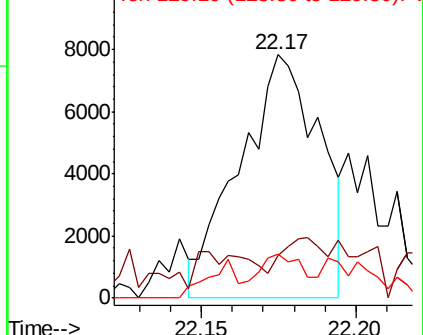
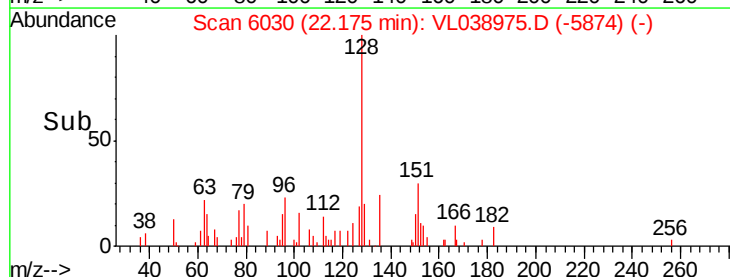
Tgt Ion:	128	Resp:	14081
Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.2	15.2#
129	15.4	8.9	13.3#

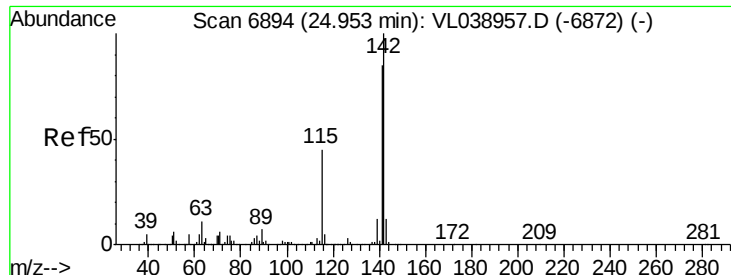


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.037 ppbv
 RT: 24.96
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 18:41

Tot Ion:	142	Resp:	3184
Ion	Ratio	Lower	Upper
142	100		
141	71.3	70.8	106.2
115	40.3	35.1	52.7

