

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038927.D
 Acq On : 14 Apr 2022 21:24
 Operator : SY/AP
 Sample : N2259-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :

Quant Time: Apr 15 08:08:09 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	1109235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2594257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2245332	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1817504	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	34015	0.216	ppbv	94
3) Chlorodifluoromethane	2.97	51	1007605	7.443	ppbv #	63
4) Chloromethane	3.15	50	35041	0.500	ppbv	98
9) Propene	3.03	41	119912	1.674	ppbv #	74
10) Heptane	8.13	43	1279064	7.090	ppbv	97
11) Trichlorofluoromethane	3.95	101	360903	2.855	ppbv	99
13) Ethanol	3.60	45	589511	135.438	ppbv #	100
15) Acetone	3.85	43	16993973	153.883	ppbv #	86
16) 1,3-Butadiene	3.31	39	18625	0.295	ppbv #	65
17) tert-Butyl alcohol	4.13	59	9659	0.098	ppbv #	1
19) Isopropyl Alcohol	3.97	45	320271	5.674	ppbv #	100
20) Methylene Chloride	4.35	84	434257	10.843	ppbv	97
23) Vinyl Acetate	5.06	43	40605	0.378	ppbv #	2
25) Ethyl Acetate	5.69	43	397389	1.418	ppbv #	89
26) Hexane	5.69	57	358231	2.809	ppbv #	54
30) Cyclohexane	7.13	84	37007	0.329	ppbv	95
31) cis-1,2-Dichloroethene	5.67	61	7064	0.060	ppbv #	33
34) 2-Butanone	5.25	43	139214	1.358	ppbv #	90
35) Carbon Tetrachloride	7.02	117	6100	0.039	ppbv	95
36) Benzene	6.90	78	139245	0.590	ppbv	95
39) 1,2-Dichloropropane	7.18	63	700989	7.766	ppbv #	26
41) Tetrahydrofuran	6.32	42	10738	0.110	ppbv #	37
42) Bromodichloromethane	7.79	83	17539	0.103	ppbv #	30
44) 2,2,4-Trimethylpentane	7.87	57	133936	0.335	ppbv #	1
50) 4-Methyl-2-Pentanone	8.75	43	232583	1.009	ppbv	100
52) Tetrachloroethene	11.22	164	3061	0.037	ppbv #	61
53) Toluene	9.81	91	9019651	33.107	ppbv	97
58) Ethyl Benzene	12.71	91	338512	1.009	ppbv	92
59) m/p-Xylene	12.97	91	957566	3.397	ppbv	98
60) o-Xylene	13.69	91	349954	1.327	ppbv	97
61) Styrene	13.53	104	8856	0.055	ppbv #	1
62) Isopropylbenzene	14.67	105	36789	0.093	ppbv #	84
64) n-propylbenzene	15.56	120	7756	0.075	ppbv #	1
65) tert-Butylbenzene	16.74	119	18465	0.053	ppbv #	21
67) sec-Butylbenzene	17.30	105	25940	0.053	ppbv #	58
70) n-Butylbenzene	18.55	91	82369	0.202	ppbv #	51
71) 2-Chlorotoluene	15.56	91	204811	0.688	ppbv #	43
72) 4-Ethyltoluene	15.83	105	112605	0.358	ppbv #	60
73) 1,3,5-Trimethylbenzene	16.00	105	192531	0.680	ppbv	91
74) 1,2,4-Trimethylbenzene	16.76	105	689789	2.306	ppbv #	69
79) Naphthalene	22.19	128	6967	0.031	ppbv #	65

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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)
80) Naphthalene,2-methyl-	24.97	142	4755	0.086	ppbv #	1

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

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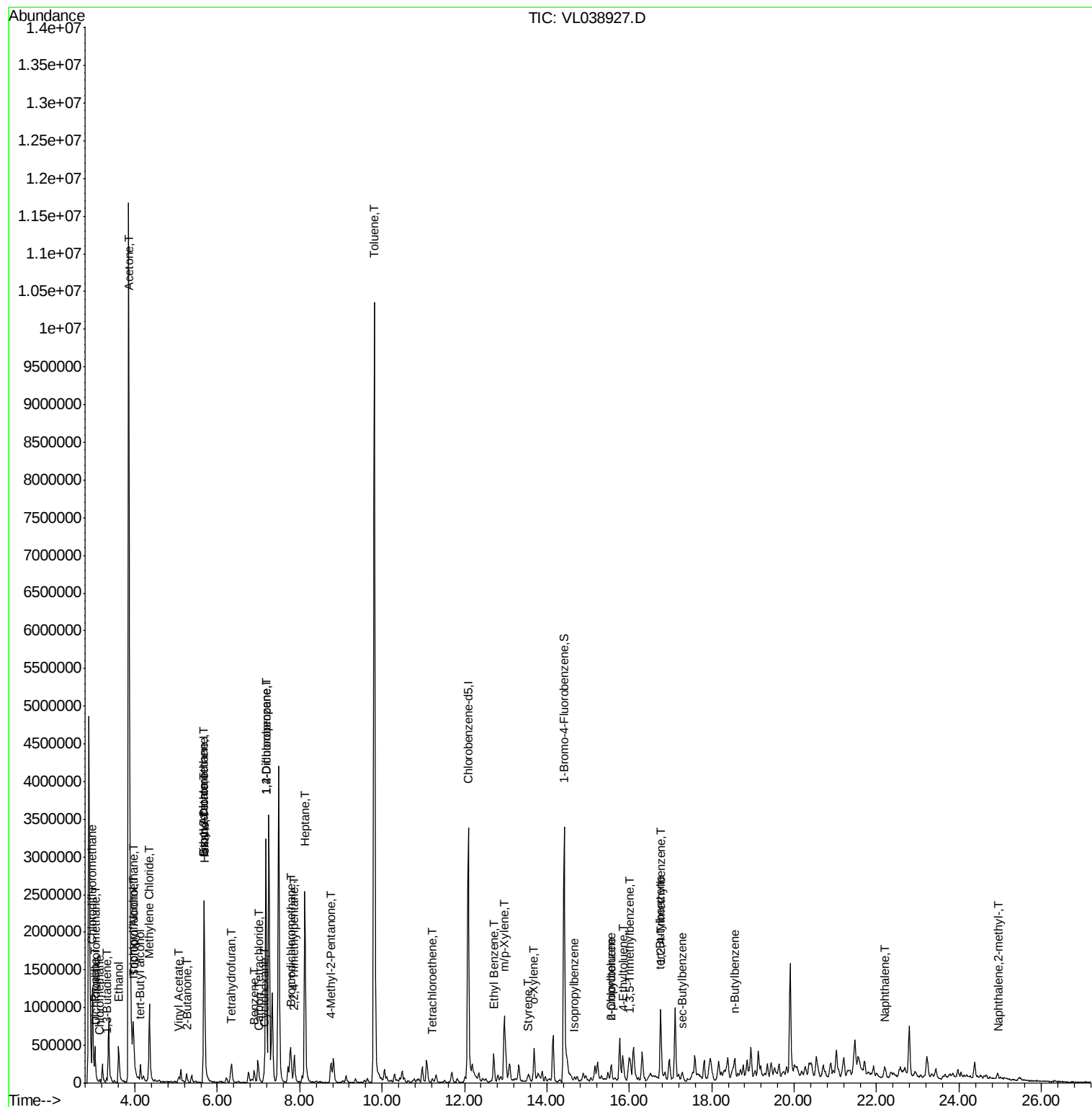
Quant Time: Apr 15 08:08:09 2022

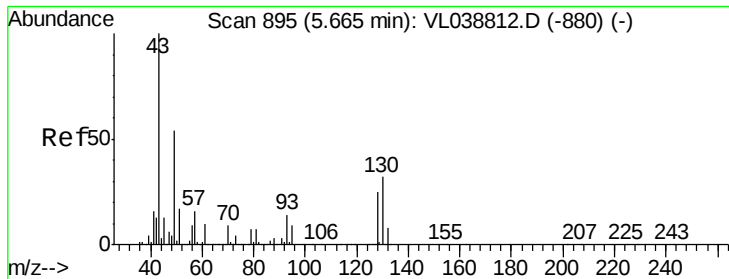
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 21:24

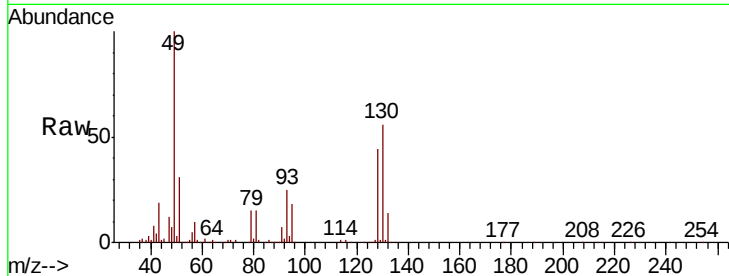
Tot Ion: 49 Resp: 1109235

Ion Ratio Lower Upper

49 100

128 44.8 24.1 72.3

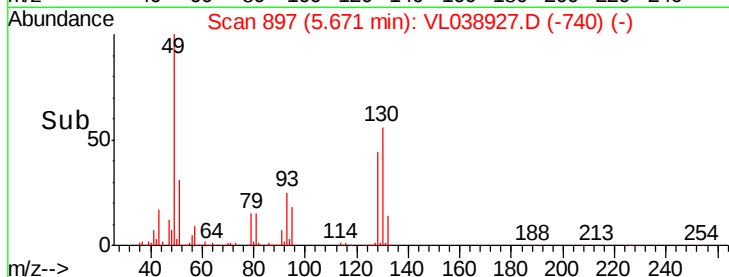
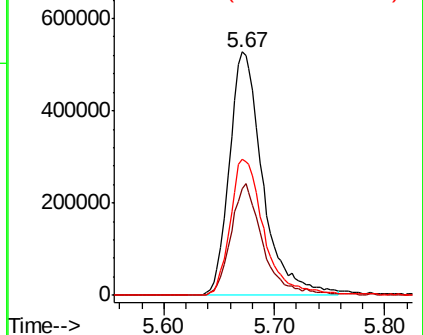
130 57.7 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.216 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038927.D

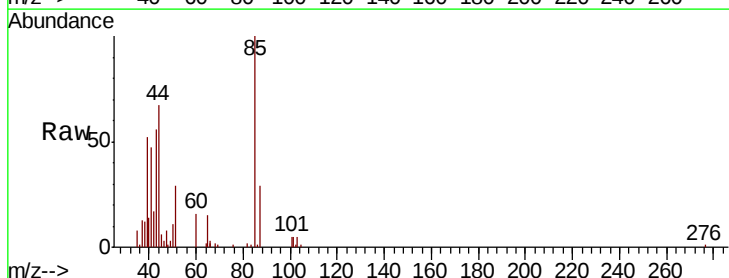
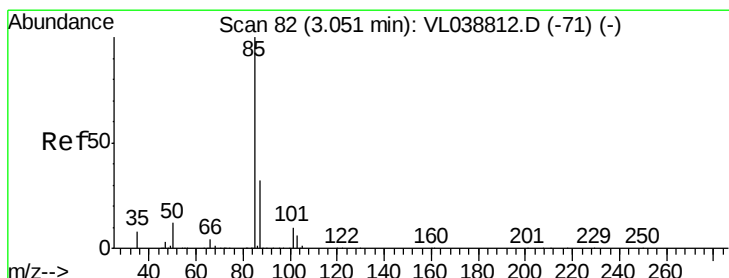
Acq: 14 Apr 2022 21:24

Tgt Ion: 85 Resp: 34015

Ion Ratio Lower Upper

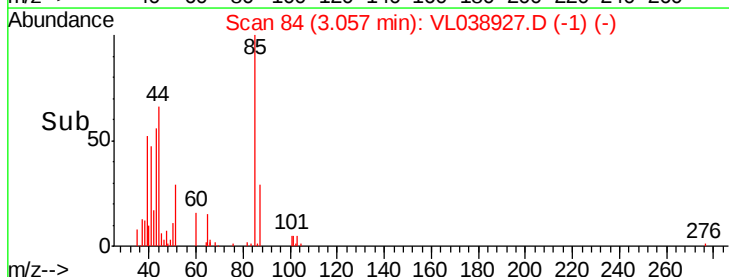
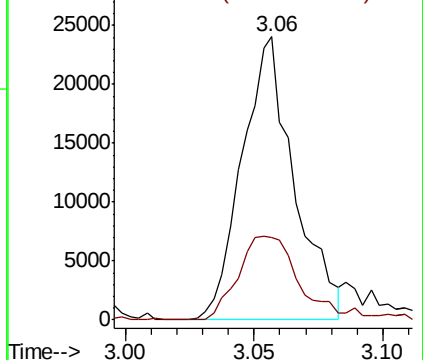
85 100

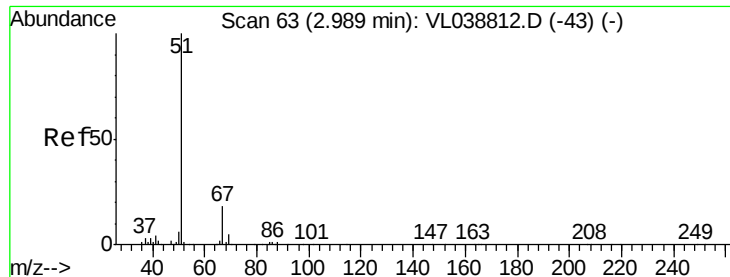
87 29.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.443 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

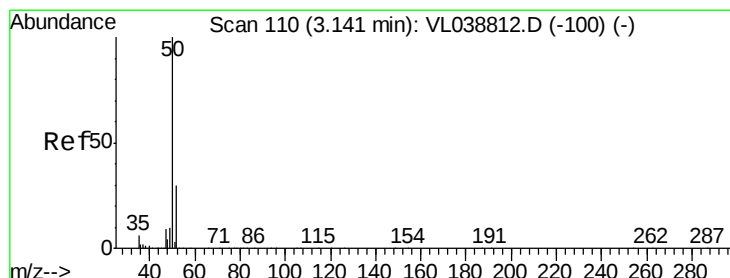
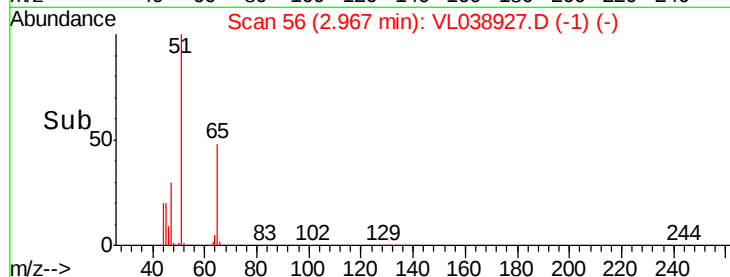
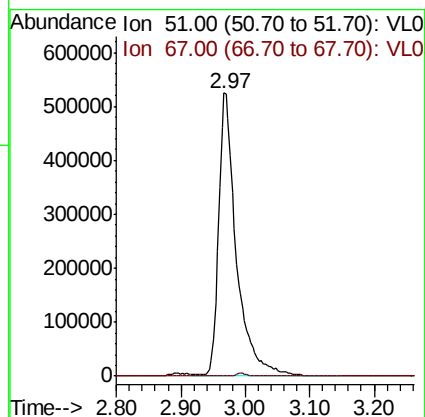
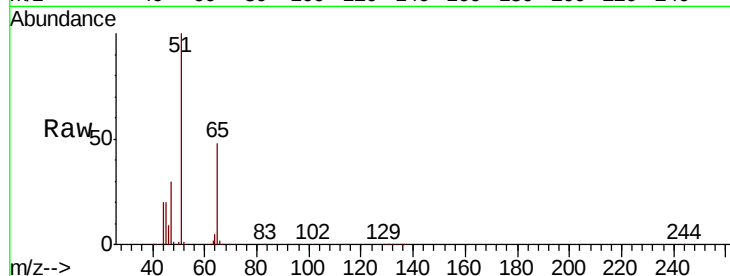
Acq: 14 Apr 2022 21:24

Tot Ion: 51 Resp: 1007605

Ion Ratio Lower Upper

51 100

67 0.9 13.4 20.0#



#4

Chloromethane

Concen: 0.500 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038927.D

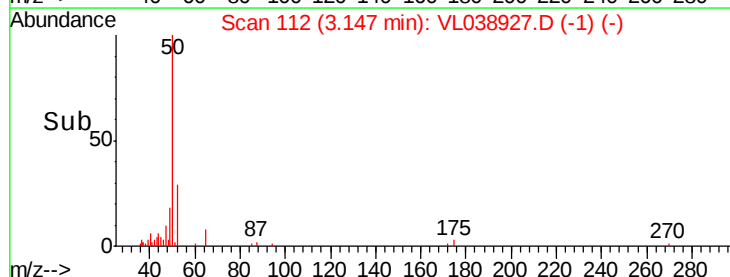
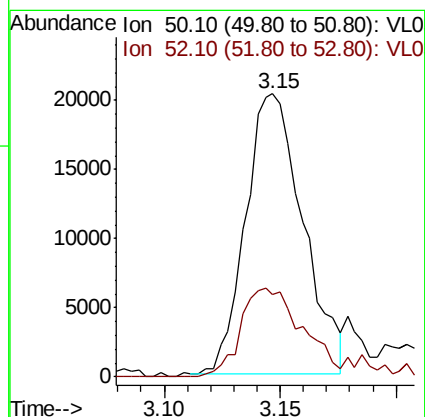
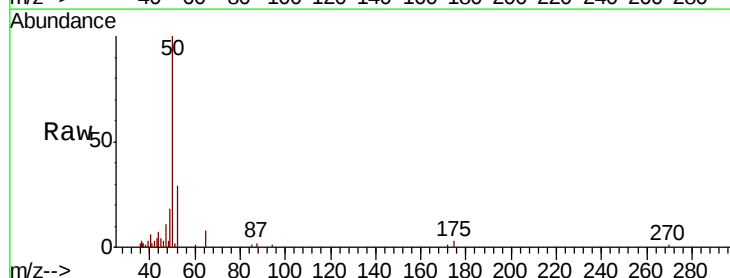
Acq: 14 Apr 2022 21:24

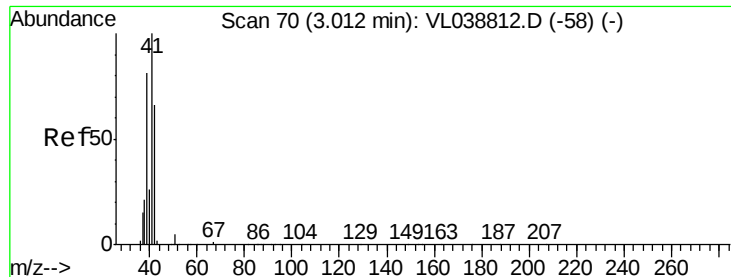
Tgt Ion: 50 Resp: 35041

Ion Ratio Lower Upper

50 100

52 29.5 24.3 36.5





#9

Propene

Concen: 1.674 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

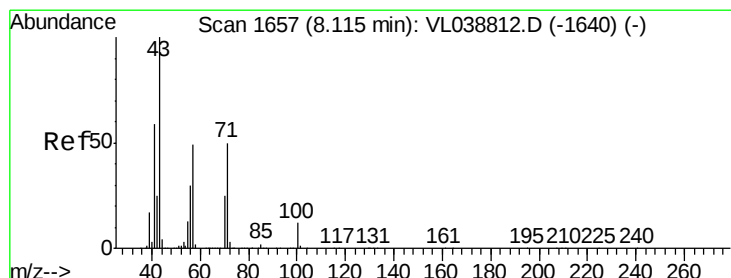
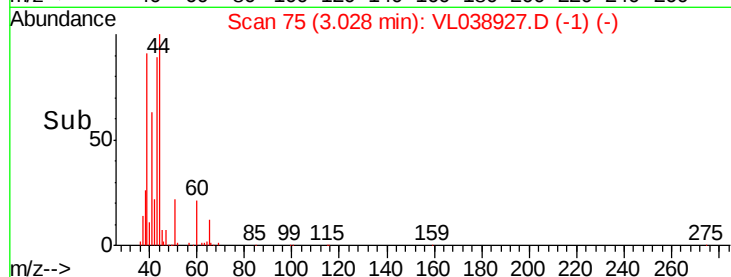
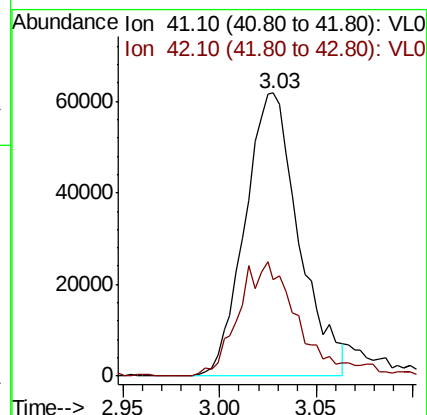
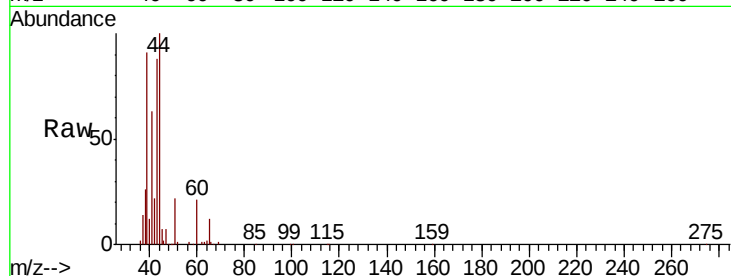
Acq: 14 Apr 2022 21:24

Tot Ion: 41 Resp: 119912

Ion Ratio Lower Upper

41 100

42 46.6 54.2 81.4#



#10

Heptane

Concen: 7.090 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VL038927.D

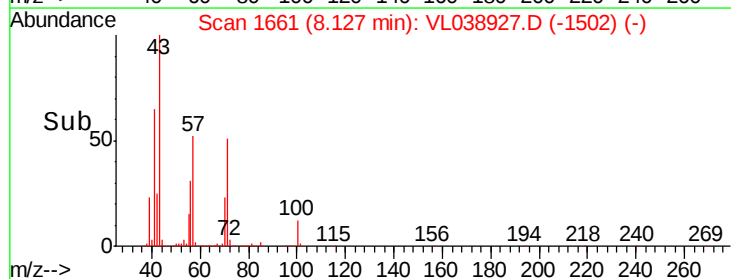
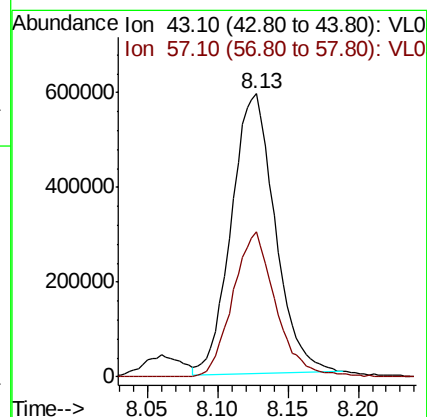
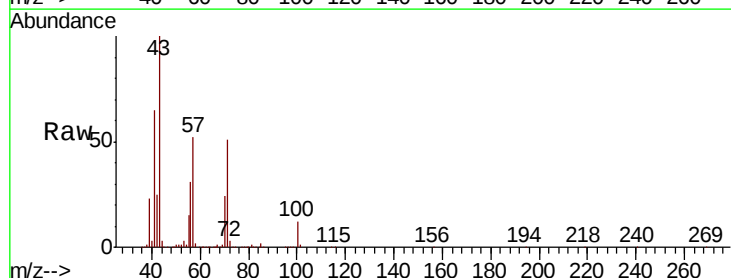
Acq: 14 Apr 2022 21:24

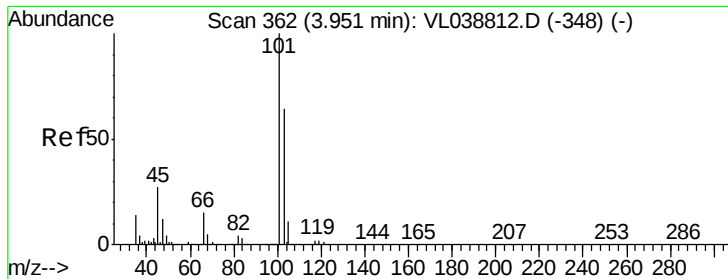
Tgt Ion: 43 Resp: 1279064

Ion Ratio Lower Upper

43 100

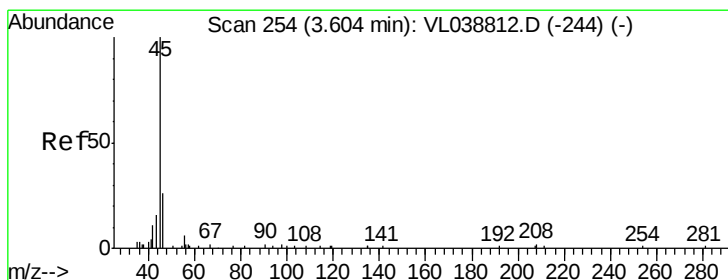
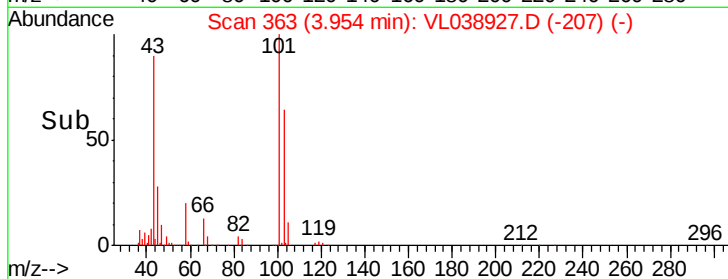
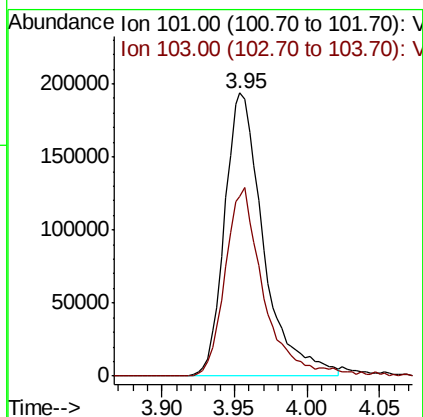
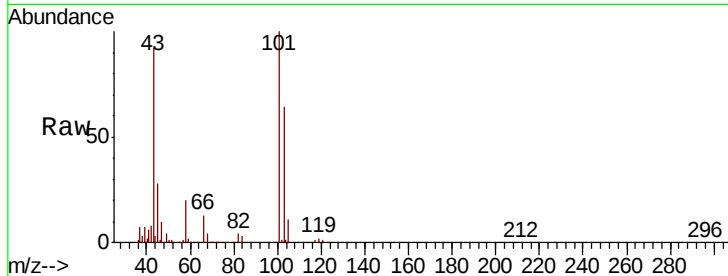
57 51.3 39.3 58.9





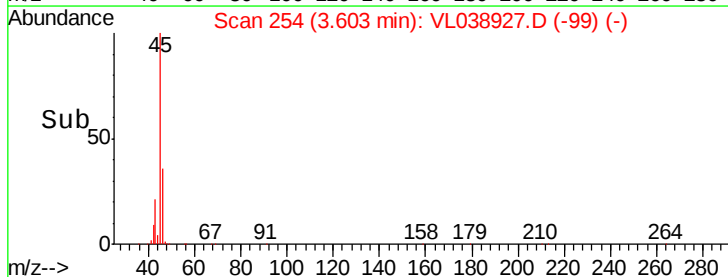
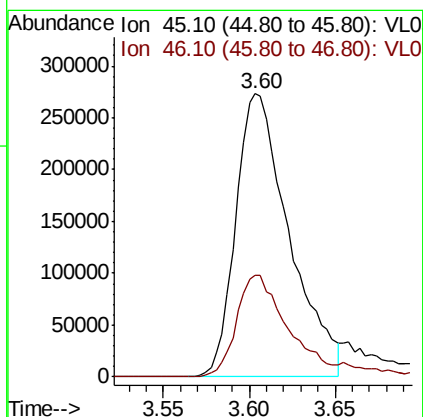
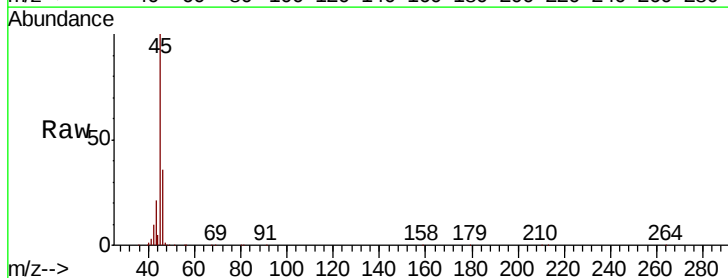
#11
 Trichlorofluoromethane
 Concen: 2.855 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 21:24

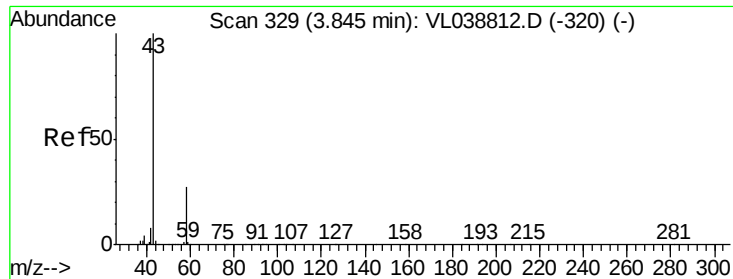
Tot Ion: 101 Resp: 360903
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.4 77.0



#13
 Ethanol
 Concen: 135.438 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T.: -0.00 min
 Lab File: VL038927.D
 Acq: 14 Apr 2022 21:24

Tgt Ion: 45 Resp: 589511
 Ion Ratio Lower Upper
 45 100
 46 40.2 0.0 0.0#





#15

Acetone

Concen: 153.883 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

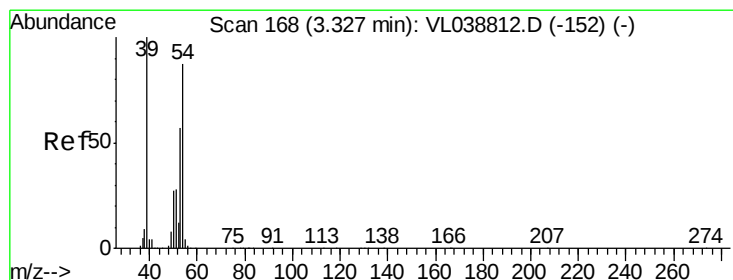
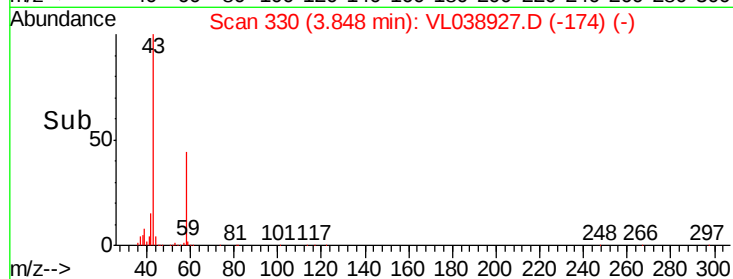
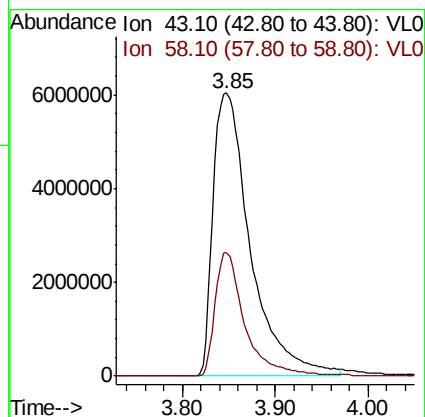
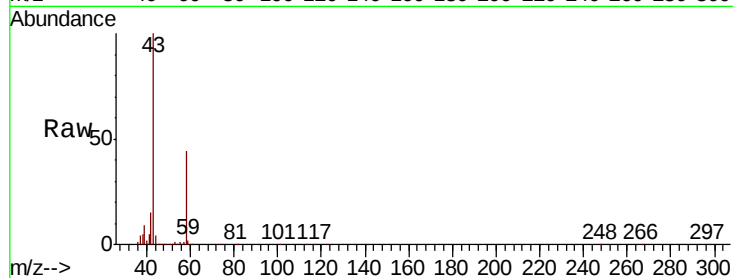
Acq: 14 Apr 2022 21:24

Tot Ion: 43 Resp:16993973

Ion Ratio Lower Upper

43 100

58 35.4 22.5 33.7#



#16

1,3-Butadiene

Concen: 0.295 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL038927.D

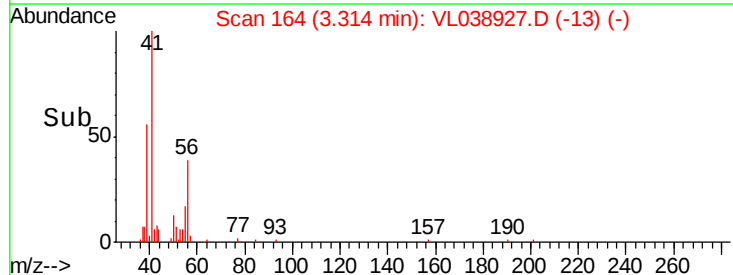
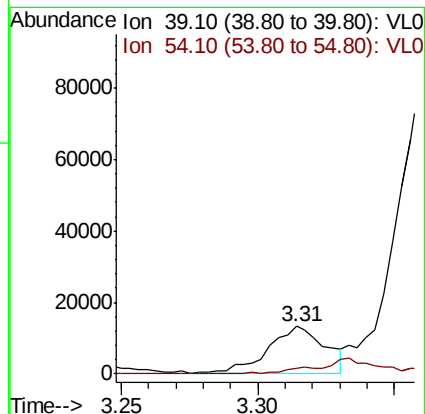
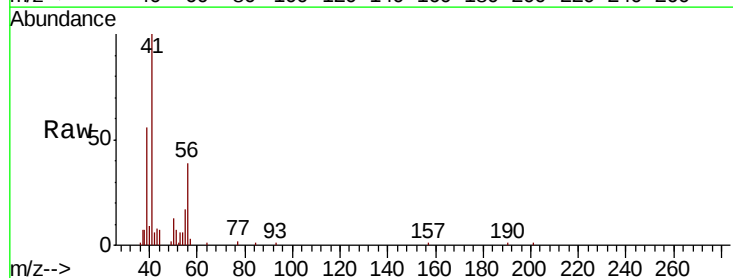
Acq: 14 Apr 2022 21:24

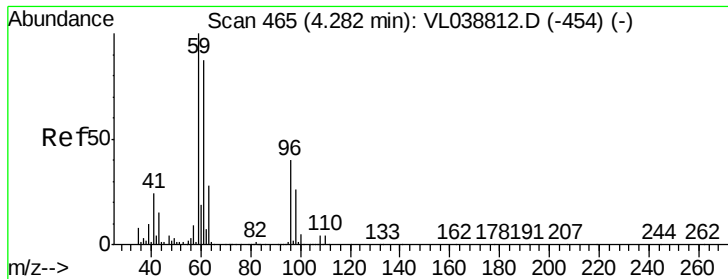
Tgt Ion: 39 Resp: 18625

Ion Ratio Lower Upper

39 100

54 49.8 64.8 97.2#





#17

tert-Butyl alcohol

Concen: 0.098 ppbv

RT: 4.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

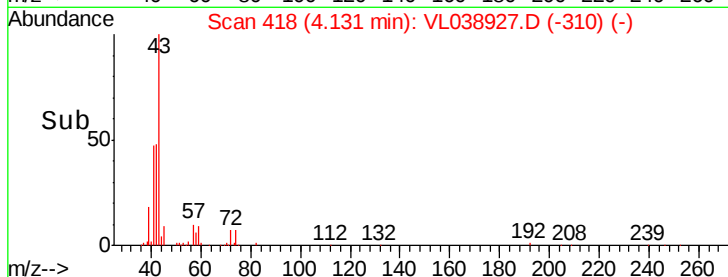
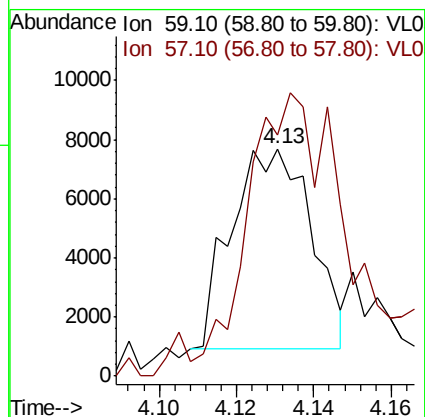
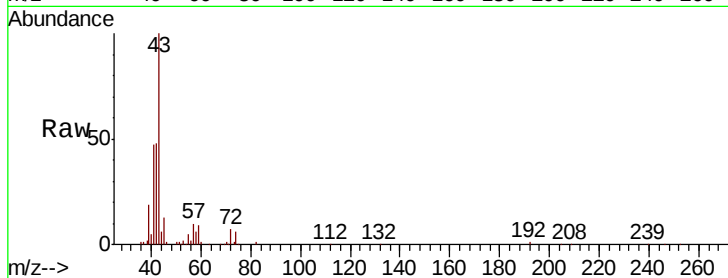
Acq: 14 Apr 2022 21:24

Tot Ion: 59 Resp: 9659

Ion Ratio Lower Upper

59 100

57 196.6 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 5.674 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL038927.D

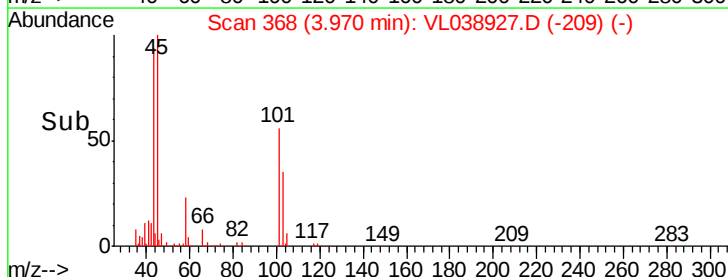
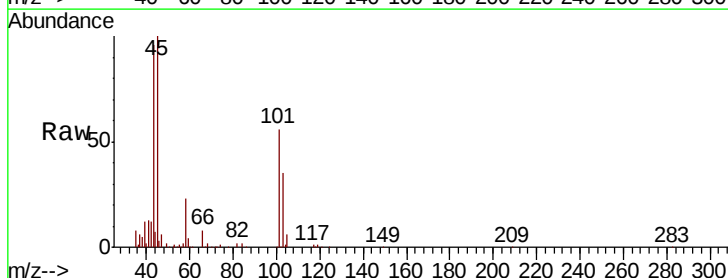
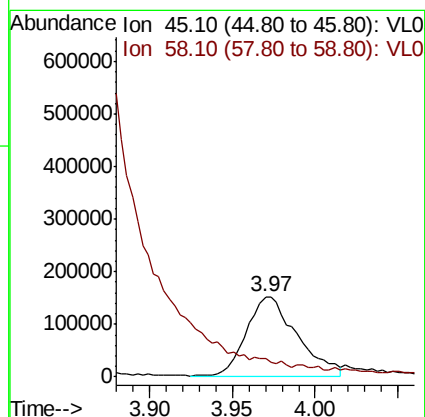
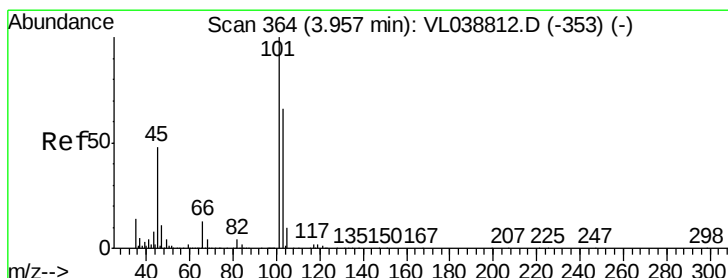
Acq: 14 Apr 2022 21:24

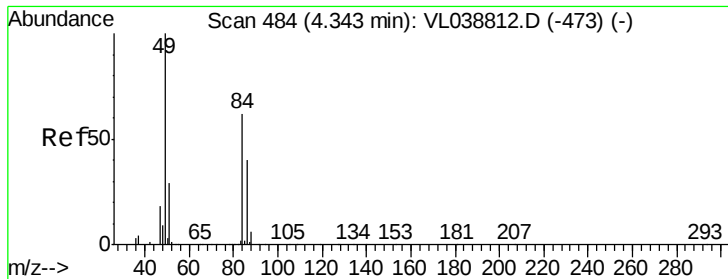
Tgt Ion: 45 Resp: 320271

Ion Ratio Lower Upper

45 100

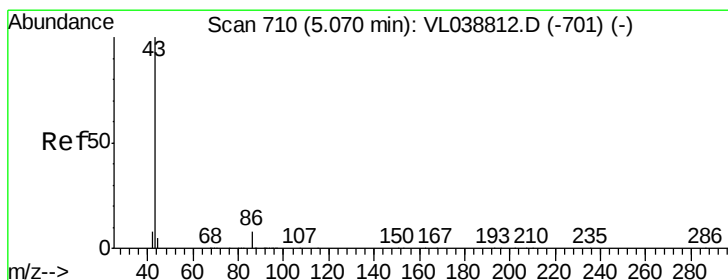
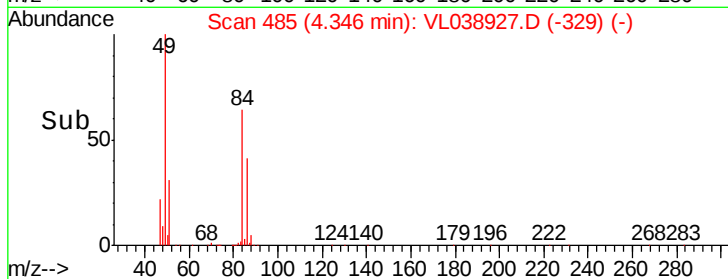
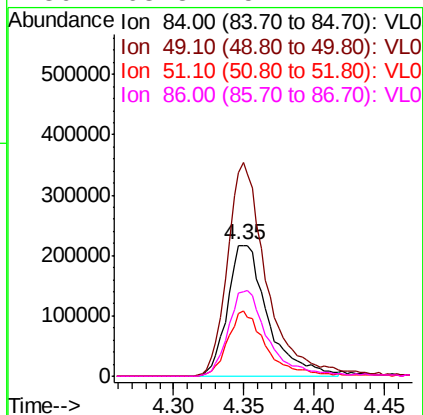
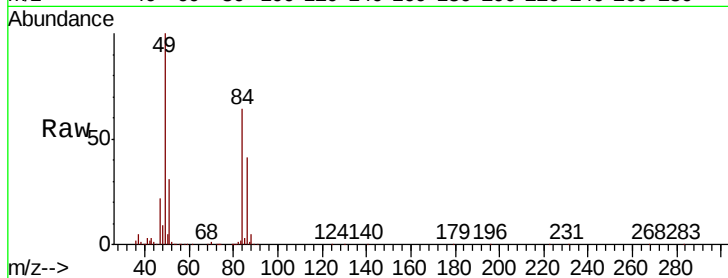
58 0.0 0.0 0.0





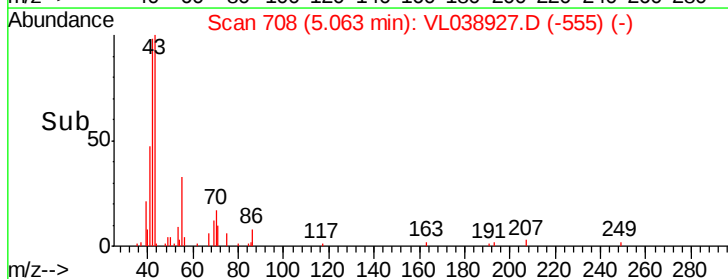
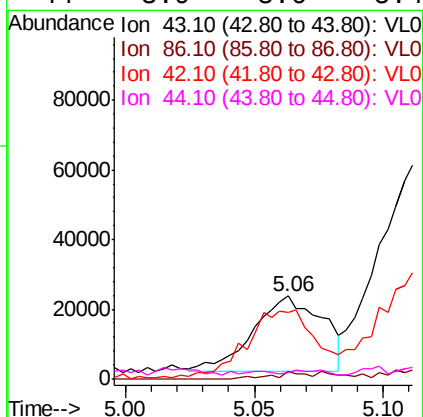
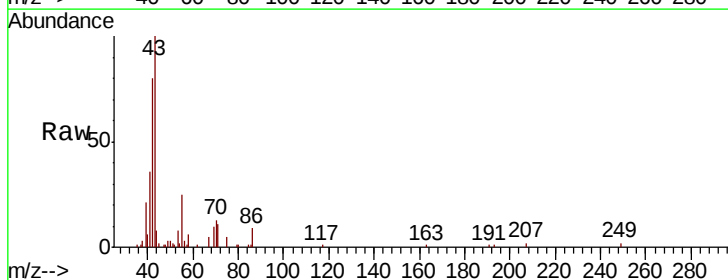
#20
Methvlene Chloride
Concen: 10.843 ppbv
RT: 4.35 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 21:24

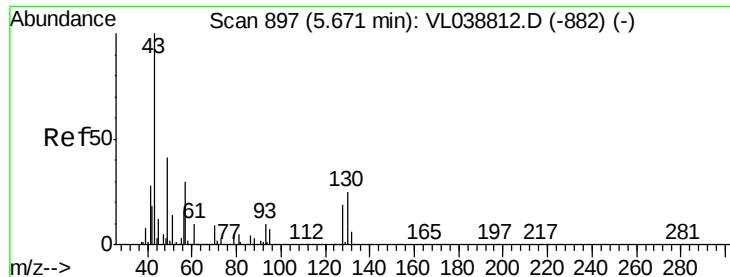
Tot Ion:	84	Resp:	434257
Ion	Ratio	Lower	Upper
84	100		
49	155.4	129.4	194.0
51	47.4	37.4	56.2
86	63.8	51.4	77.2



#23
Vinyl Acetate
Concen: 0.378 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.01 min
Lab File: VL038927.D
Acq: 14 Apr 2022 21:24

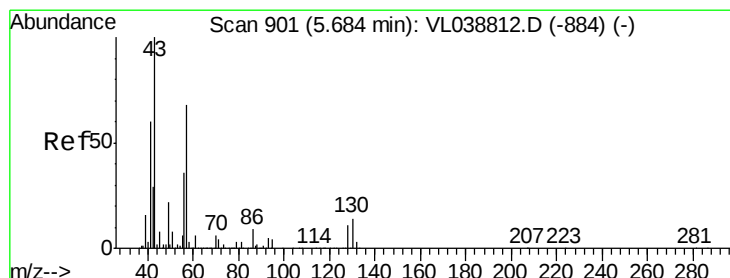
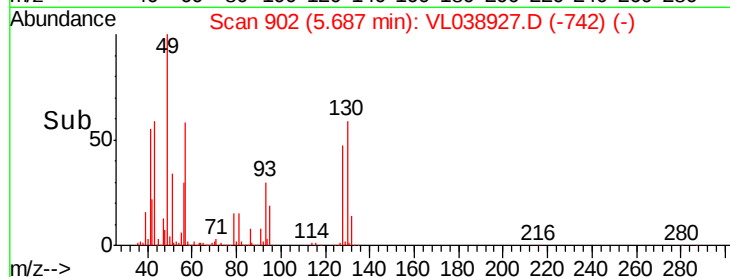
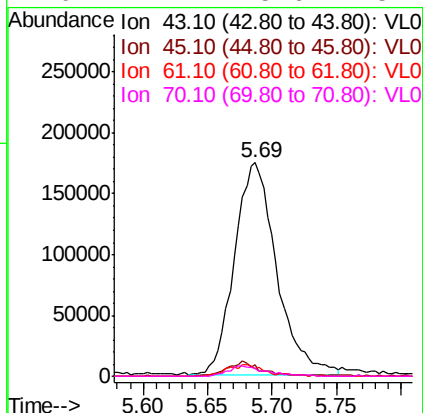
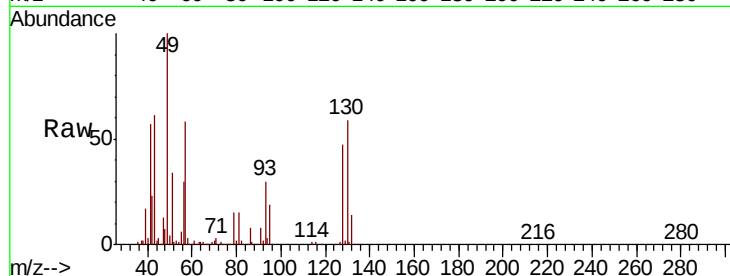
Tgt Ion:	43	Resp:	40605
Ion	Ratio	Lower	Upper
43	100		
86	9.8	5.8	8.6#
42	87.0	7.8	11.6#
44	3.9	3.6	5.4





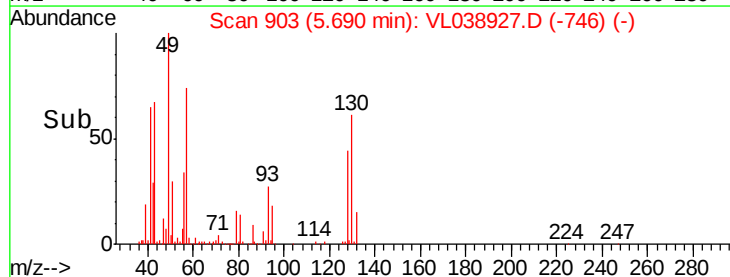
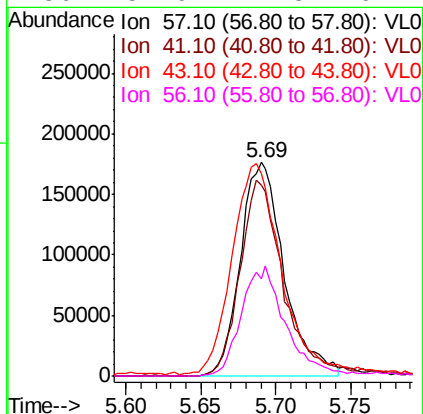
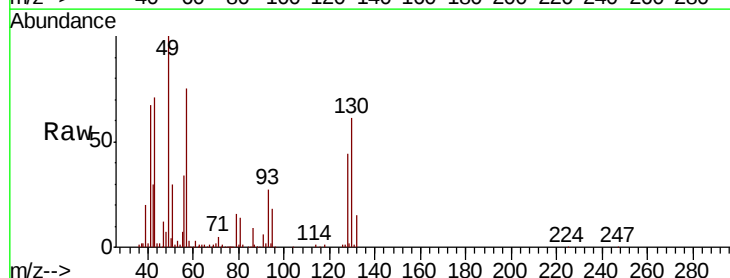
#25
Ethyl Acetate
Concen: 1.418 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 21:24

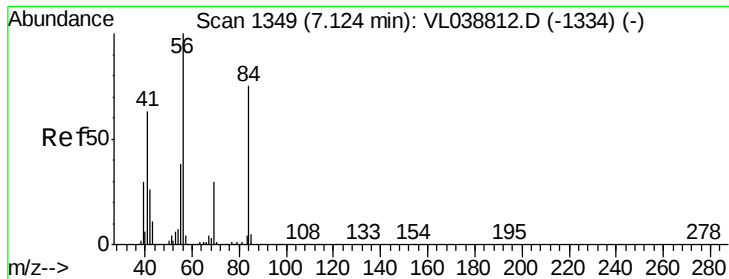
Tot Ion:	43	Resp:	397389
Ion	Ratio	Lower	Upper
43	100		
45	6.2	8.4	12.6#
61	5.1	7.9	11.9#
70	4.4	5.6	8.4#



#26
Hexane
Concen: 2.809 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038927.D
Acq: 14 Apr 2022 21:24

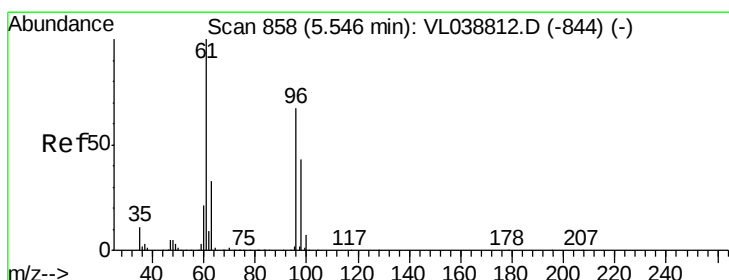
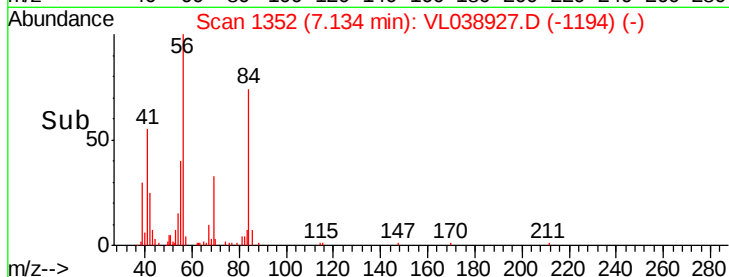
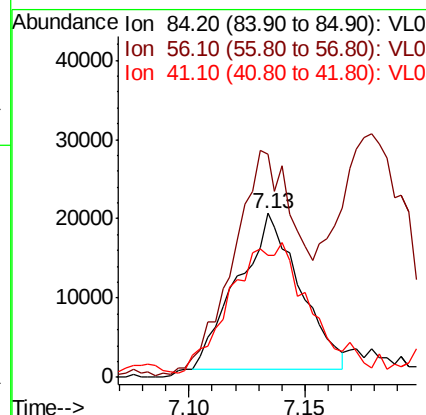
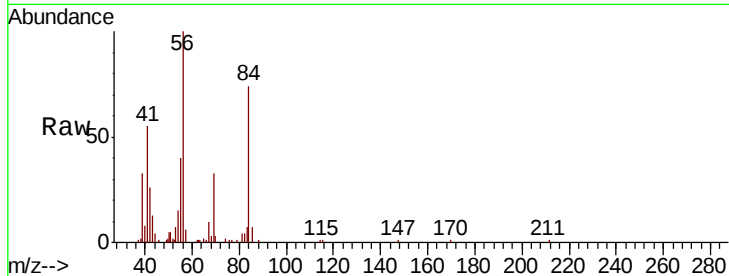
Tgt Ion:	57	Resp:	358231
Ion	Ratio	Lower	Upper
57	100		
41	92.7	72.0	108.0
43	113.3	186.6	280.0#
56	51.9	42.8	64.2





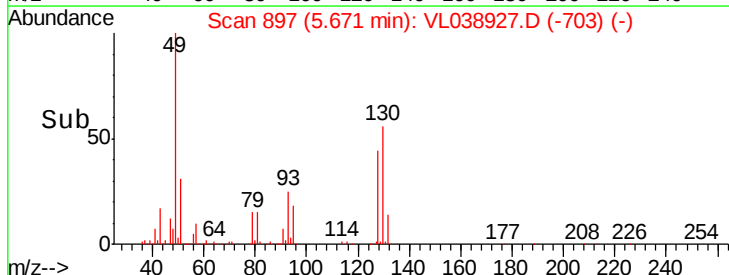
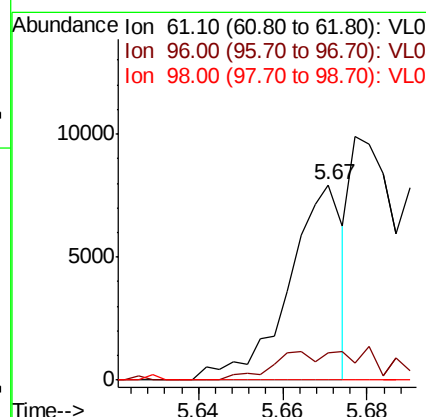
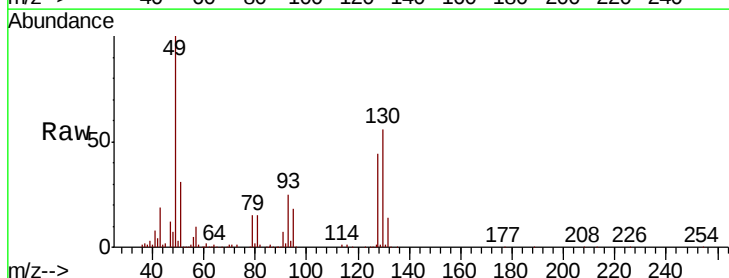
#30
Cvclohexane
Concen: 0.329 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 21:24

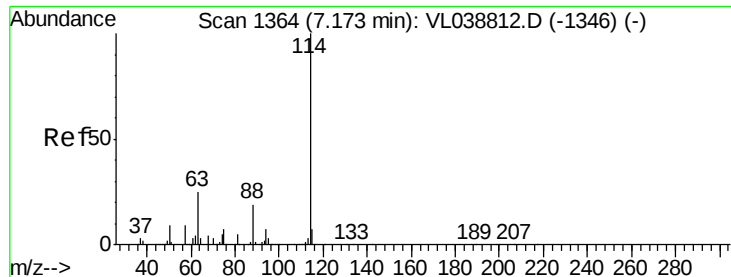
Tot Ion	84	Resp	37007
Ion	Ratio	Lower	Upper
84	100		
56	147.0	114.4	171.6
41	94.1	69.0	103.4



#31
cis-1,2-Dichloroethene
Concen: 0.060 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.13 min
Lab File: VL038927.D
Acq: 14 Apr 2022 21:24

Tgt Ion	61	Resp	7064
Ion	Ratio	Lower	Upper
61	100		
96	13.7	53.4	80.0#
98	0.0	34.2	51.4#

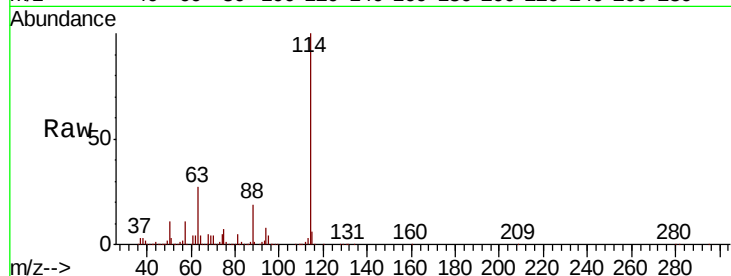




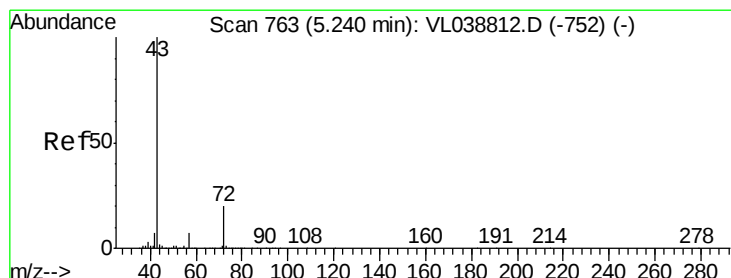
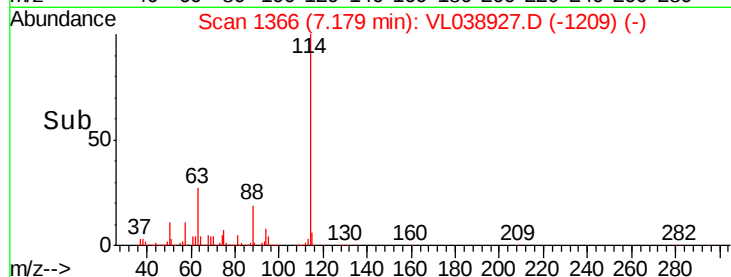
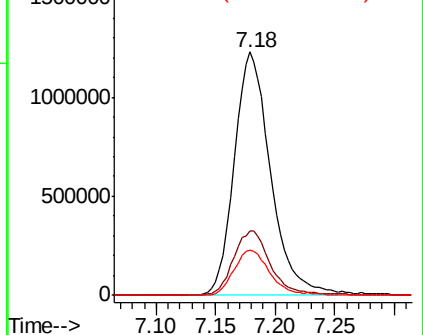
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 21:24

Tot Ion:114 Resp: 2594257

Ion	Ratio	Lower	Upper
114	100		
63	27.5	19.8	29.8
88	18.9	14.2	21.4



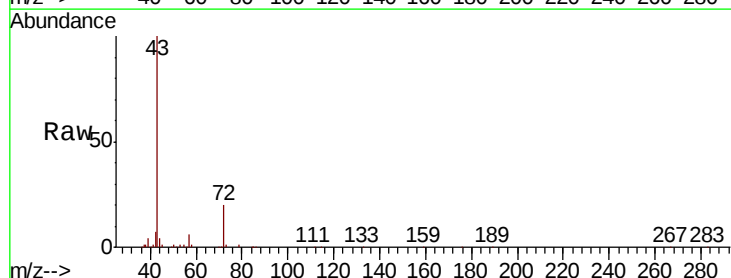
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



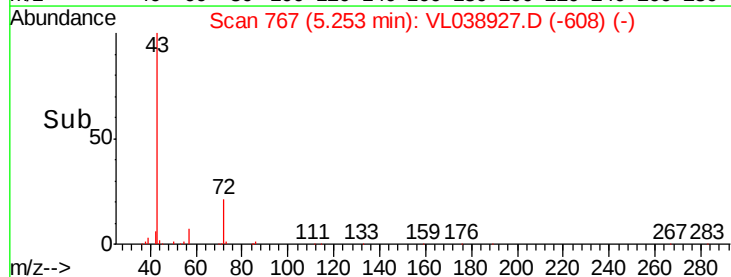
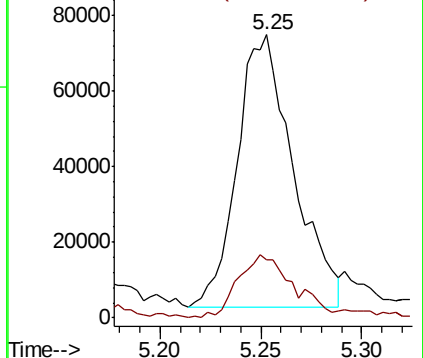
#34
 2-Butanone
 Concen: 1.358 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.01 min
 Lab File: VL038927.D
 Acq: 14 Apr 2022 21:24

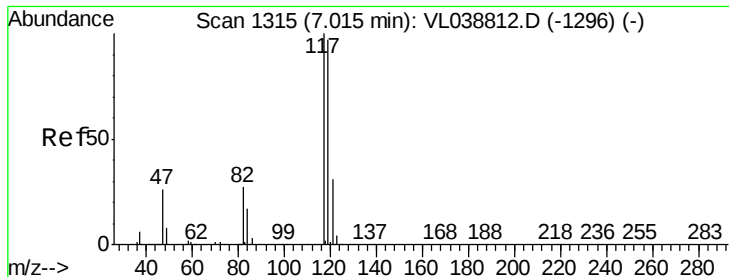
Tgt Ion: 43 Resp: 139214

Ion	Ratio	Lower	Upper
43	100		
72	25.9	16.9	25.3



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





#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 21:24

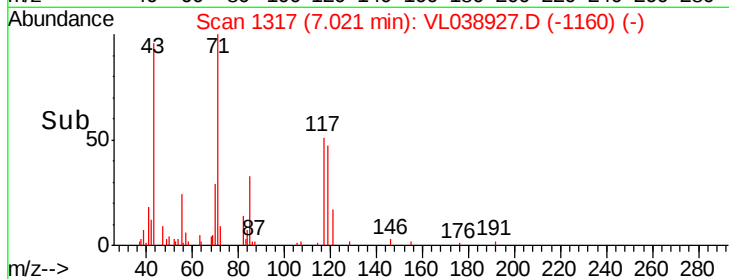
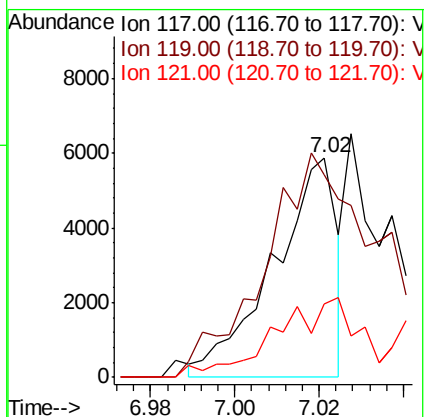
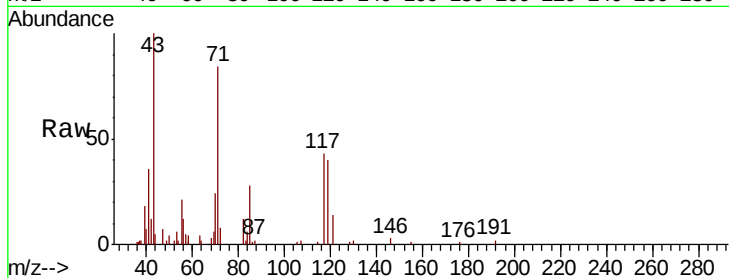
Tot Ion: 117 Resp: 6100

Ion Ratio Lower Upper

117 100

119 91.0 77.7 116.5

121 30.3 24.5 36.7



#36

Benzene

Concen: 0.590 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

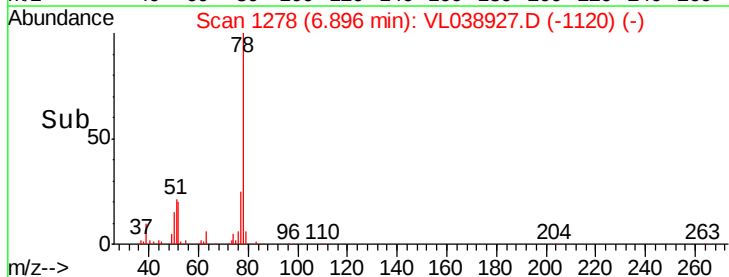
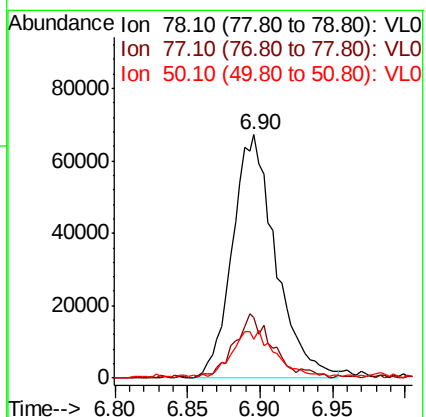
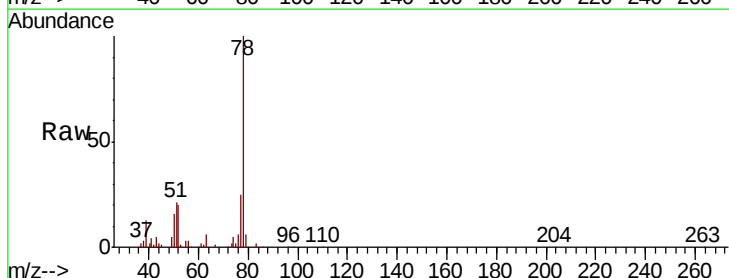
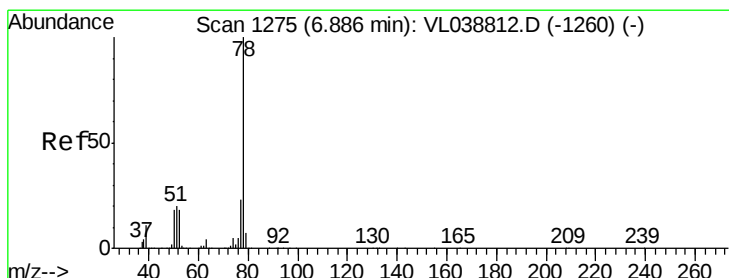
Tgt Ion: 78 Resp: 139245

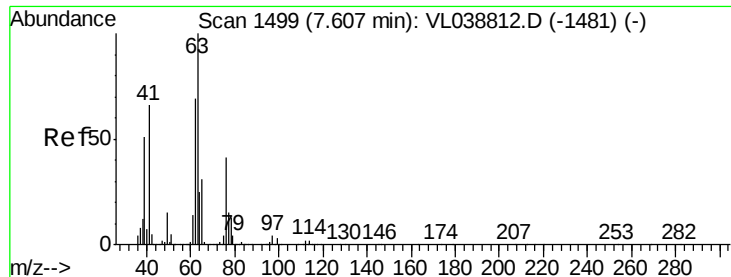
Ion Ratio Lower Upper

78 100

77 24.6 18.2 27.2

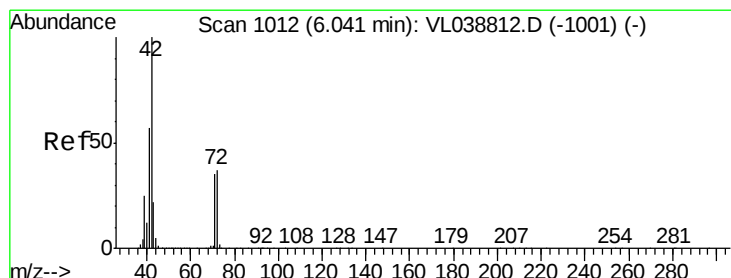
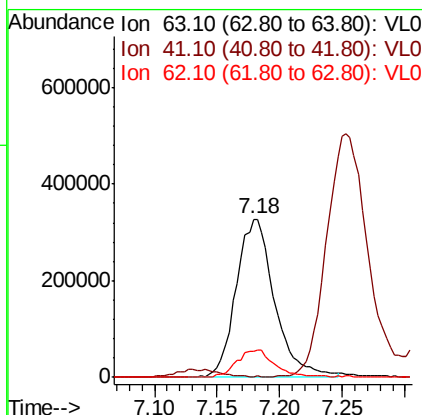
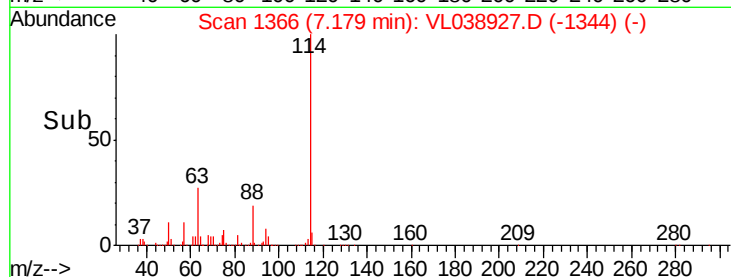
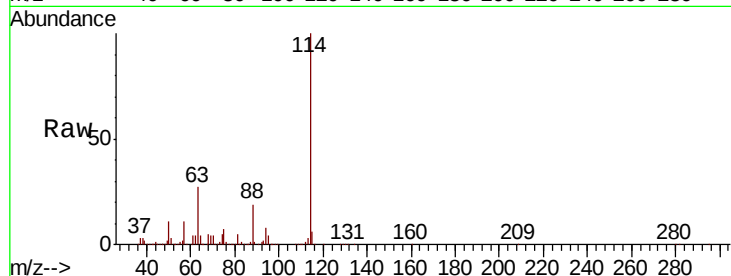
50 15.2 14.0 21.0





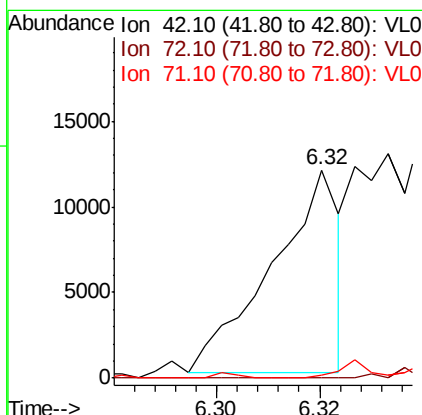
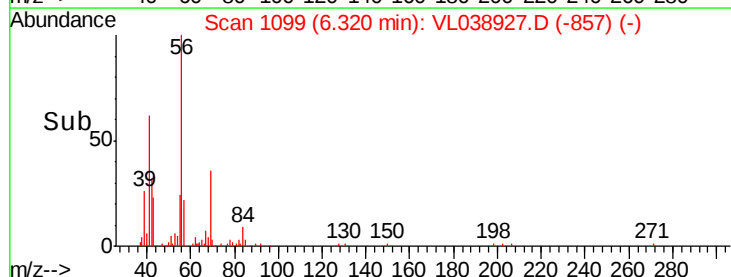
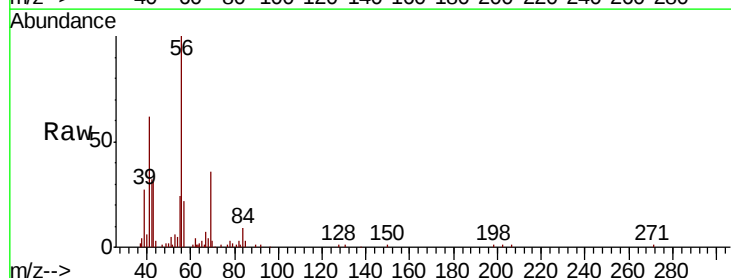
#39
 1,2-Dichloropropane
 Concen: 7.766 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 21:24

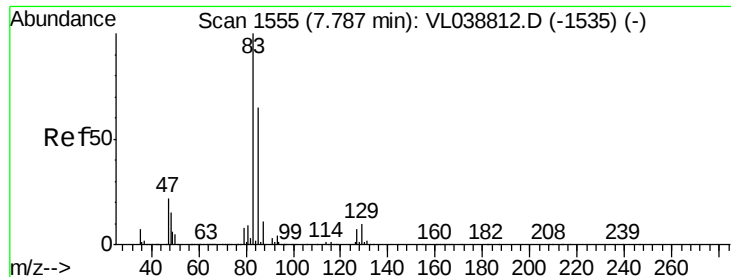
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.2	55.0	82.4#



#41
 Tetrahydrofuran
 Concen: 0.110 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.28 min
 Lab File: VL038927.D
 Acq: 14 Apr 2022 21:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	1.1	31.4	47.0#
71	0.0	30.2	45.4#





#42

Bromodichloromethane

Concen: 0.103 ppbv

RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 21:24

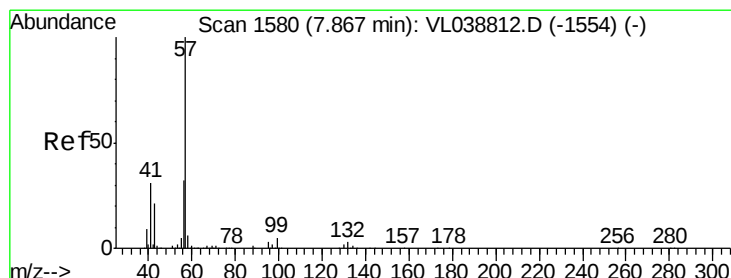
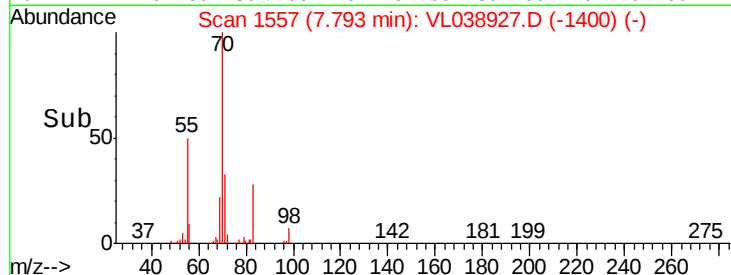
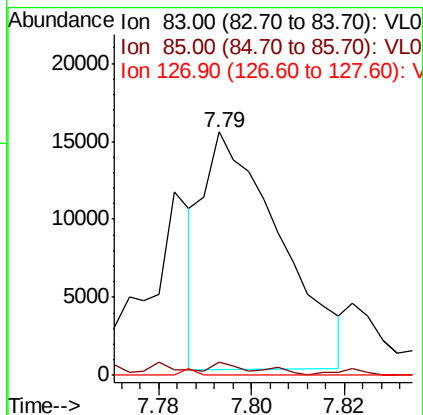
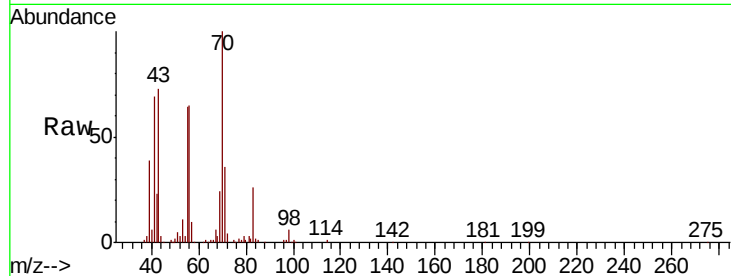
Tot Ion: 83 Resp: 17539

Ion Ratio Lower Upper

83 100

85 5.3 51.7 77.5#

127 0.0 5.9 8.9#



#44

2,2,4-Trimethylpentane

Concen: 0.335 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

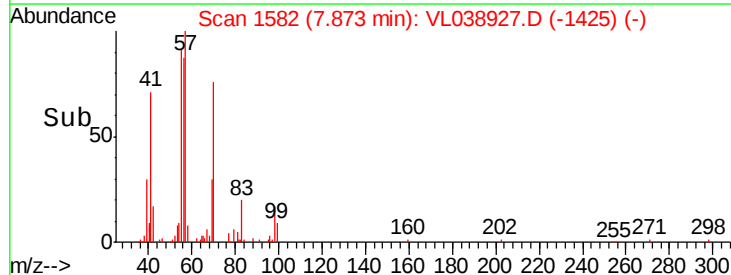
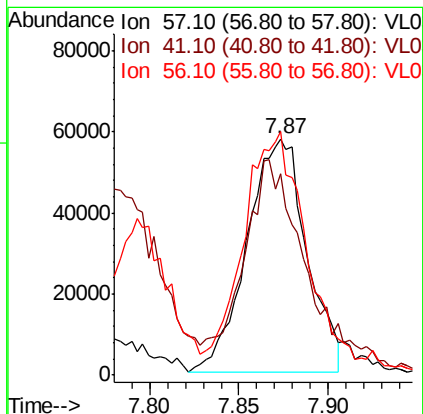
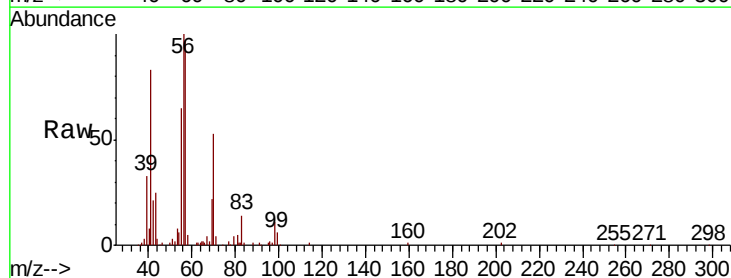
Tgt Ion: 57 Resp: 133936

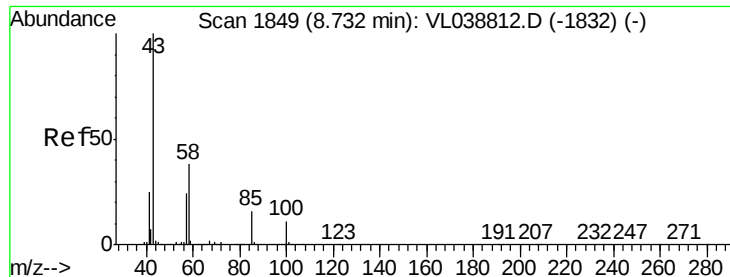
Ion Ratio Lower Upper

57 100

41 96.1 25.0 37.4#

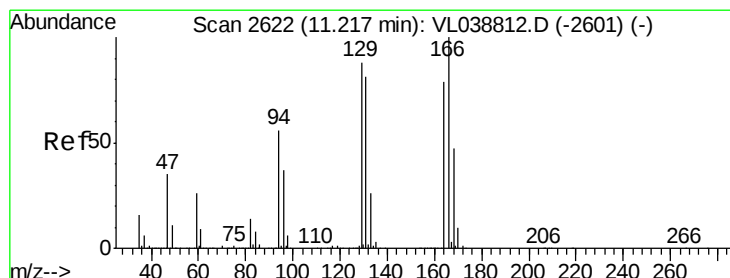
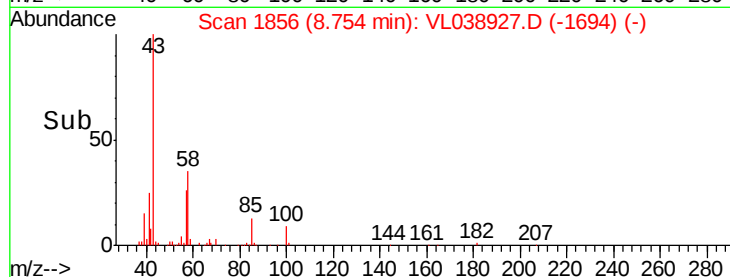
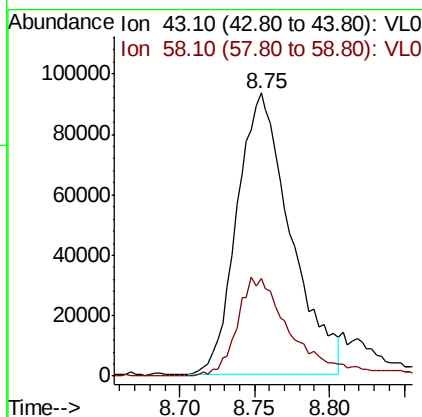
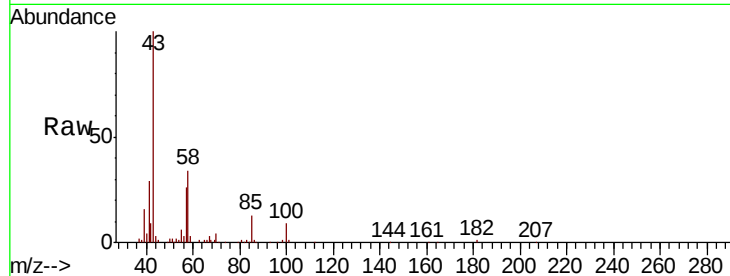
56 118.0 25.3 37.9#





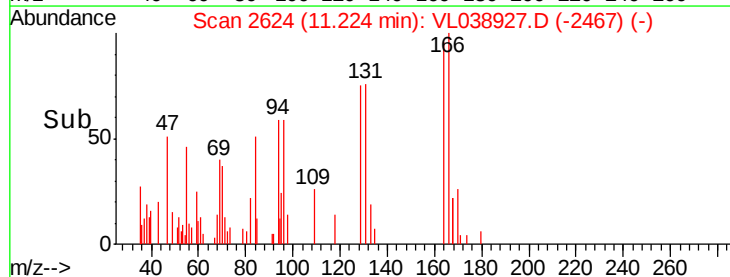
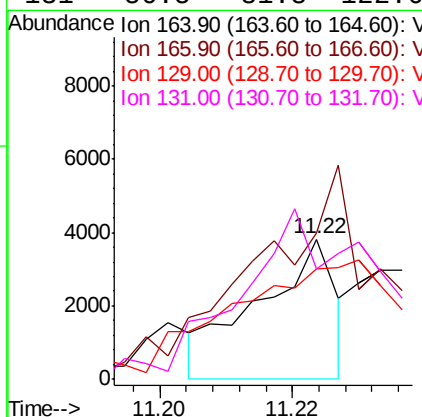
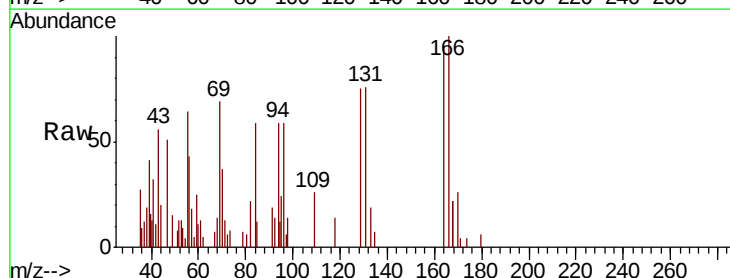
#50
 4-Methyl-2-pentanone
 Concen: 1.009 ppbv
 RT: 8.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 21:24

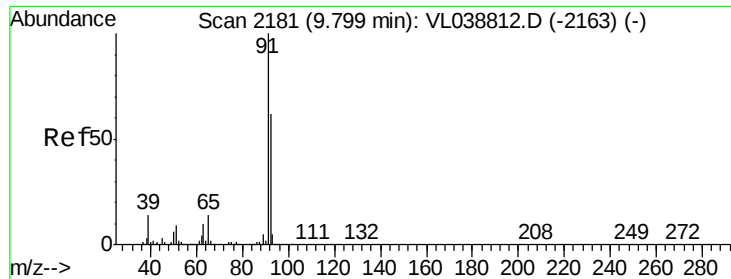
Tot Ion: 43 Resp: 232583
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.0 43.6



#52
 Tetrachloroethene
 Concen: 0.037 ppbv
 RT: 11.22 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: VL038927.D
 Acq: 14 Apr 2022 21:24

Tgt Ion: 164 Resp: 3061
 Ion Ratio Lower Upper
 164 100
 166 89.5 101.0 151.6#
 129 66.5 88.7 133.1#
 131 56.5 81.8 122.6#





#53

Toluene

Concen: 33.107 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

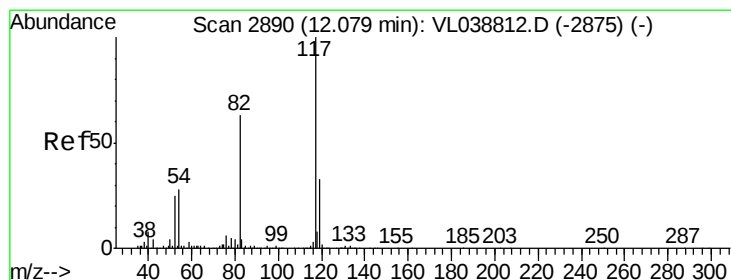
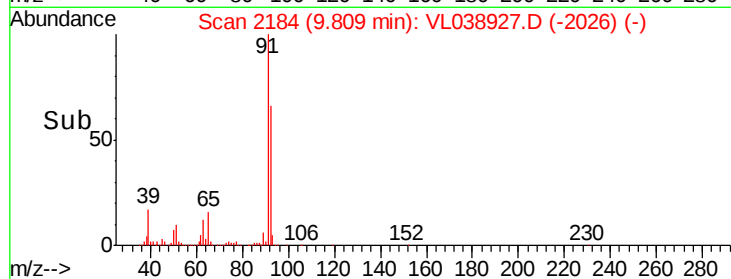
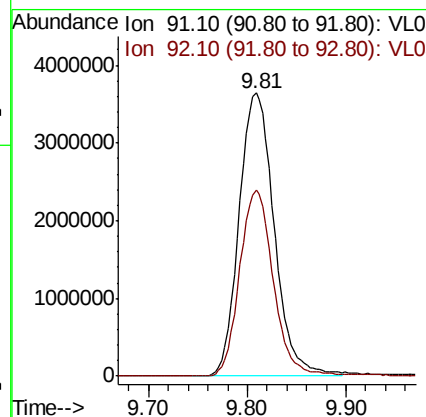
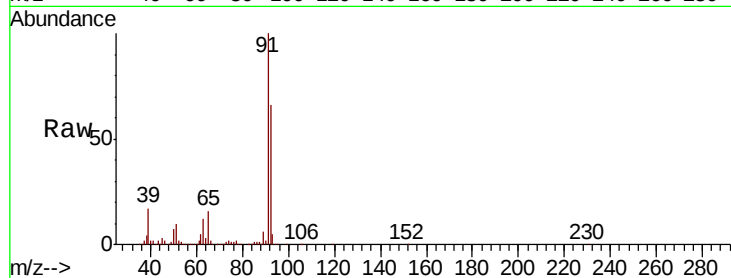
Acq: 14 Apr 2022 21:24

Tot Ion: 91 Resp: 9019651

Ion Ratio Lower Upper

91 100

92 63.5 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

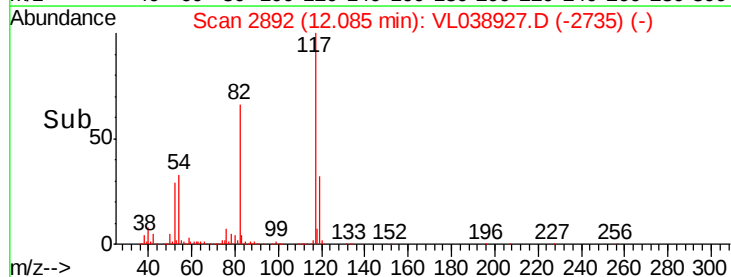
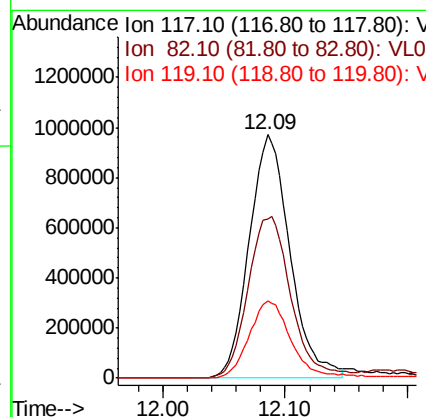
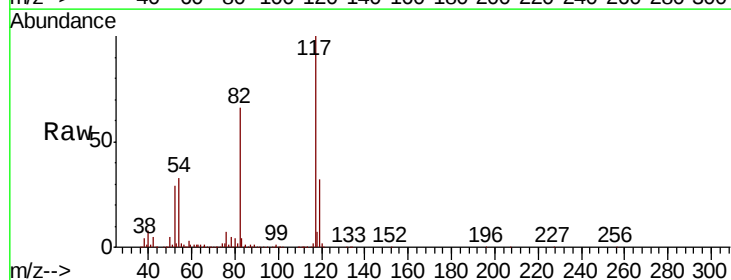
Tgt Ion: 117 Resp: 2245332

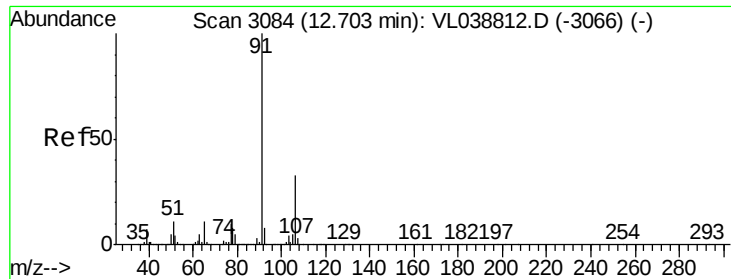
Ion Ratio Lower Upper

117 100

82 70.3 53.0 79.6

119 33.5 24.9 37.3





#58

Ethyl Benzene

Concen: 1.009 ppbv

RT: 12.71 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

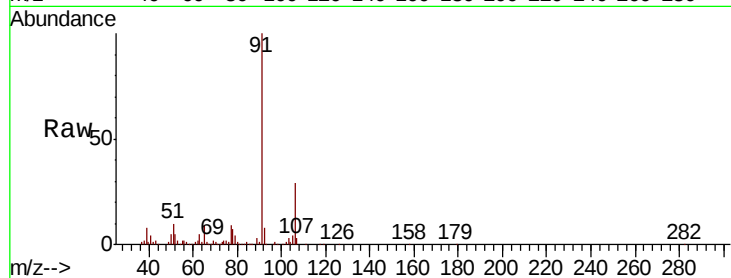
Acq: 14 Apr 2022 21:24

Tot Ion: 91 Resp: 338512

Ion Ratio Lower Upper

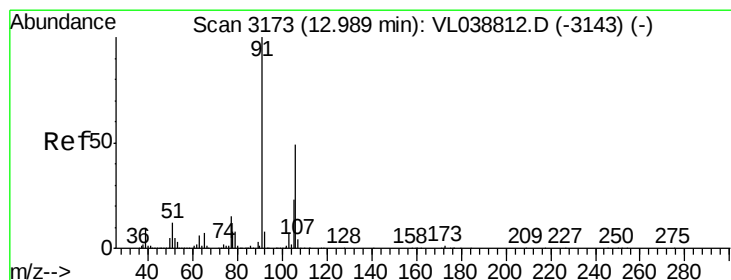
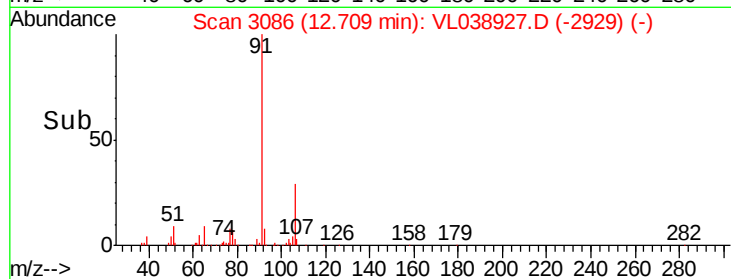
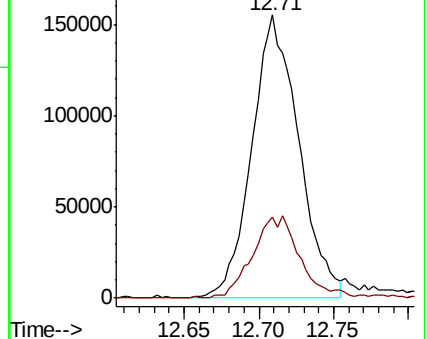
91 100

106 28.9 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 3.397 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. -0.02 min

Lab File: VL038927.D

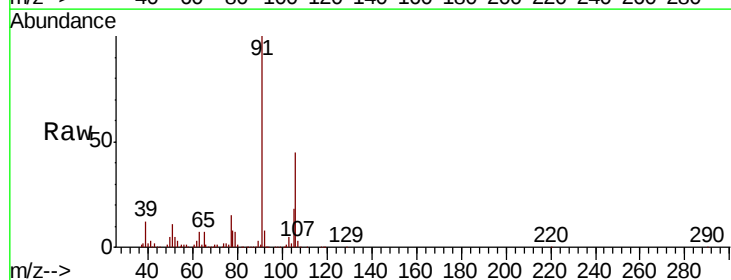
Acq: 14 Apr 2022 21:24

Tgt Ion: 91 Resp: 957566

Ion Ratio Lower Upper

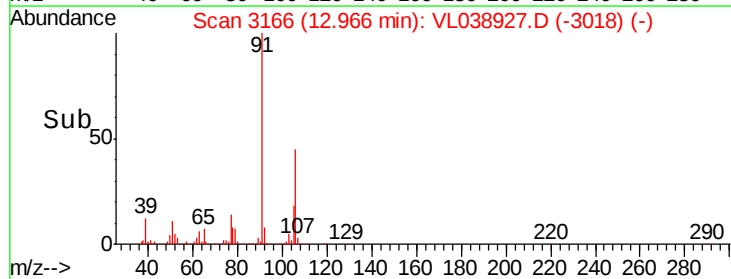
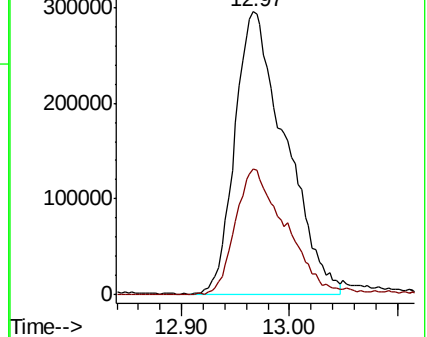
91 100

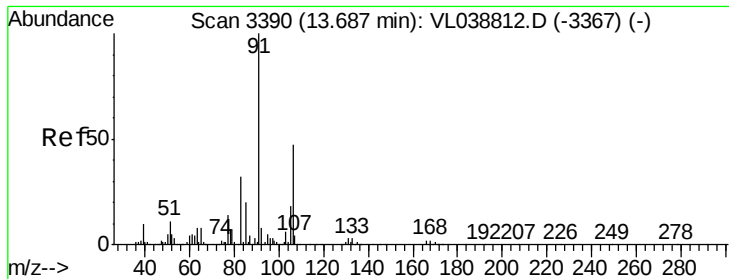
106 45.0 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

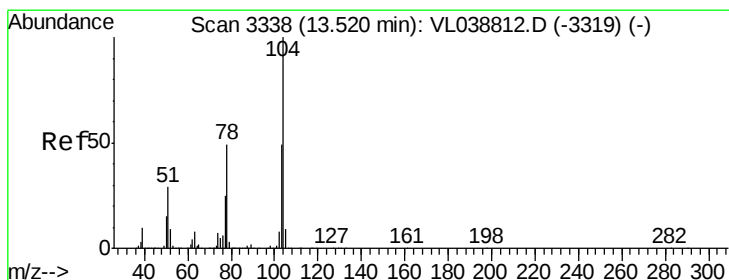
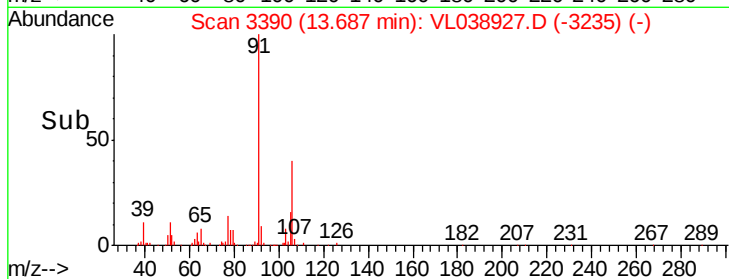
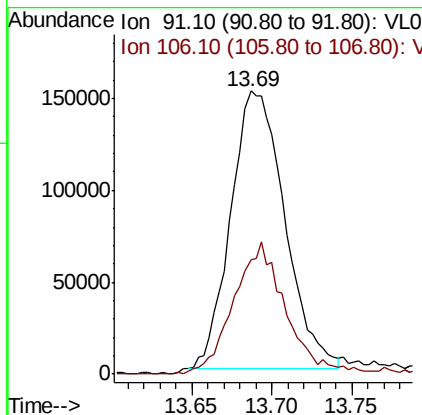
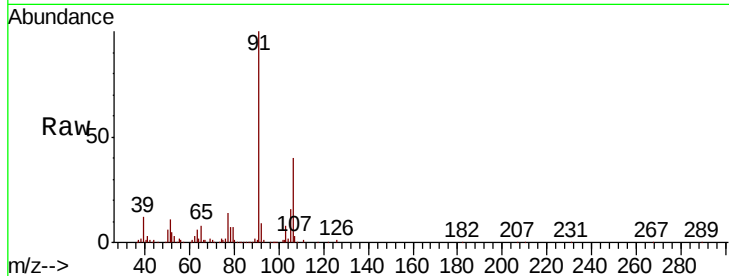
Ion 106.10 (105.80 to 106.80): V





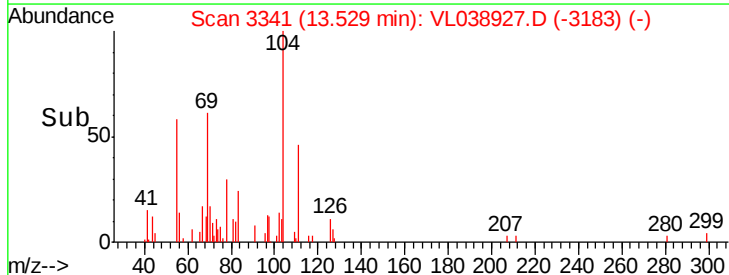
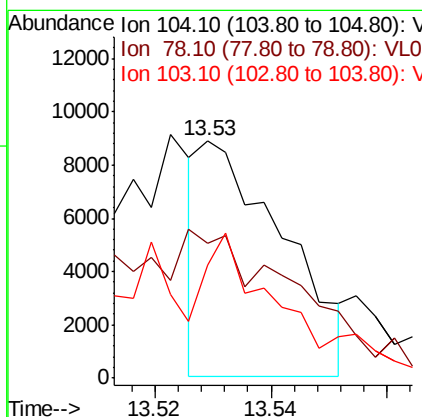
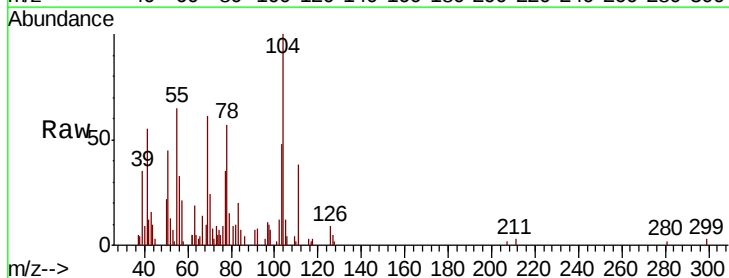
#60
o-Xylene
Concen: 1.327 ppbv
RT: 13.69 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 21:24

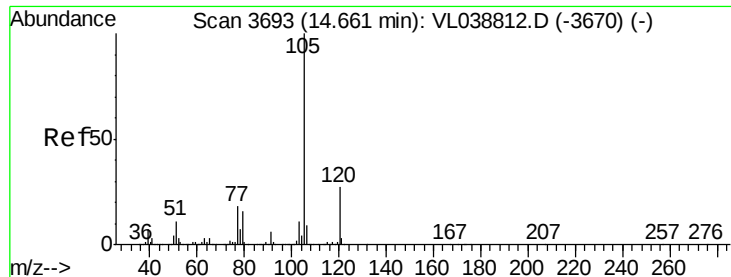
Tot Ion	91	Resp	349954
Ion Ratio	100	Lower	Upper
106	45.8	23.8	71.4



#61
Styrene
Concen: 0.055 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.01 min
Lab File: VL038927.D
Acq: 14 Apr 2022 21:24

Tgt Ion	104	Resp	8856
Ion Ratio	100	Lower	Upper
78	154.6	40.5	60.7#
103	122.8	39.0	58.4#





#62

Isopropylbenzene

Concen: 0.093 ppbv

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

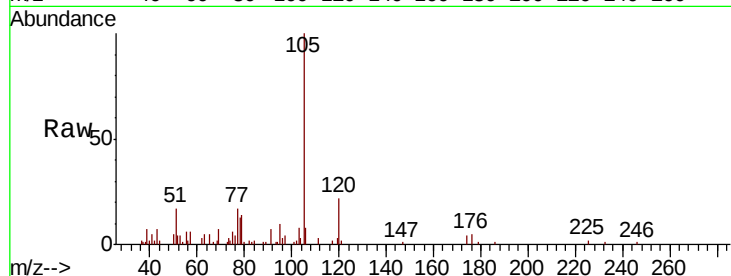
Acq: 14 Apr 2022 21:24

Tot Ion:105 Resp: 36789

Ion Ratio Lower Upper

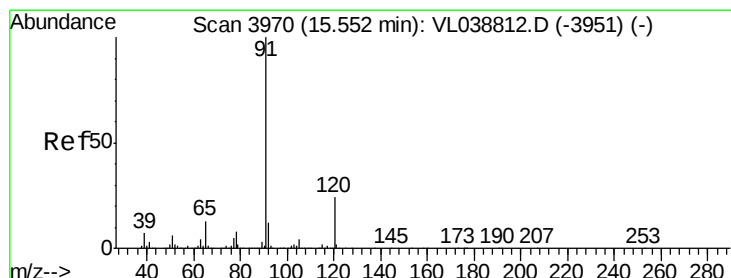
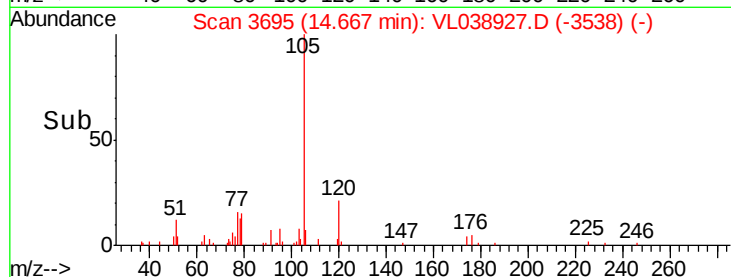
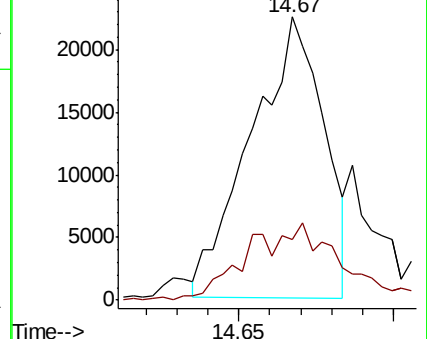
105 100

120 35.9 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: 0.075 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL038927.D

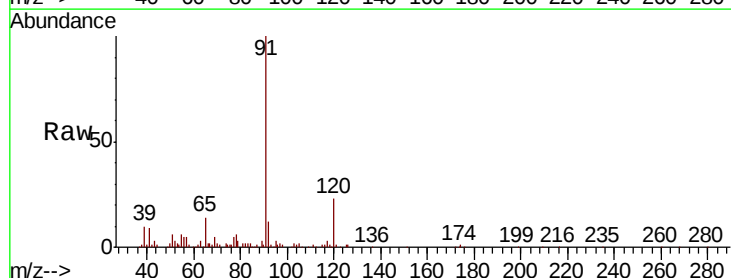
Acq: 14 Apr 2022 21:24

Tgt Ion:120 Resp: 7756

Ion Ratio Lower Upper

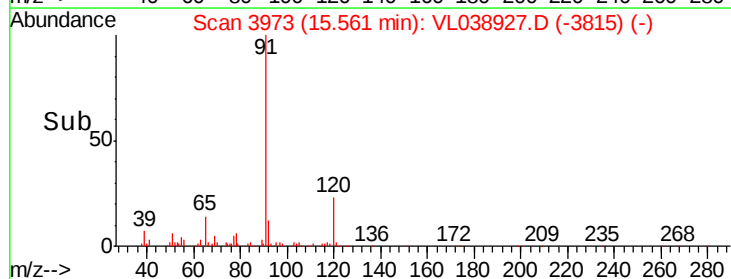
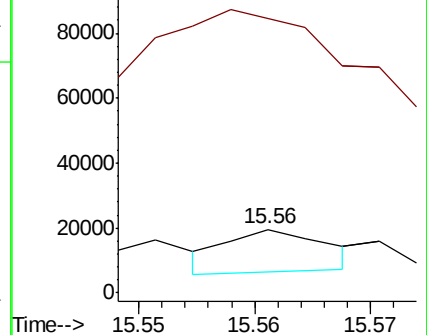
120 100

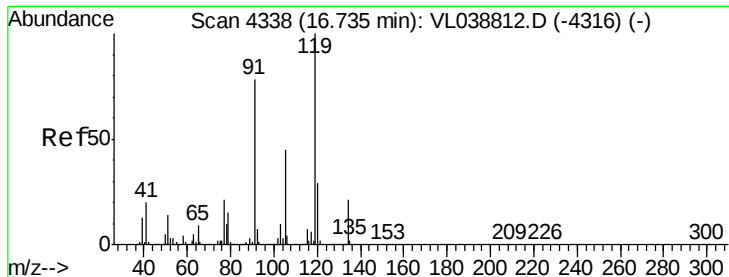
91 2785.1 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.053 ppbv

RT: 16.74 min

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Apr 2022 21:24

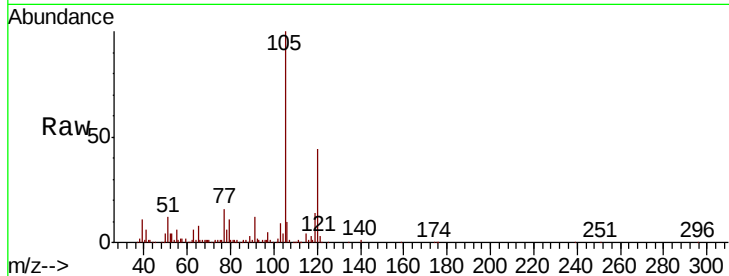
Tot Ion: 119 Resp: 18465

Ion Ratio Lower Upper

119 100

91 0.0 62.8 94.2#

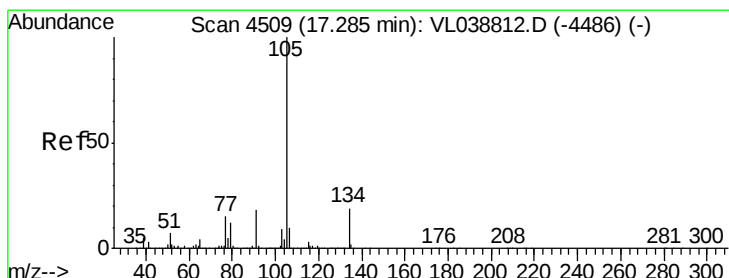
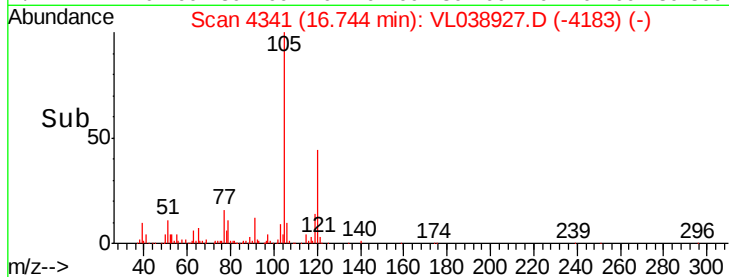
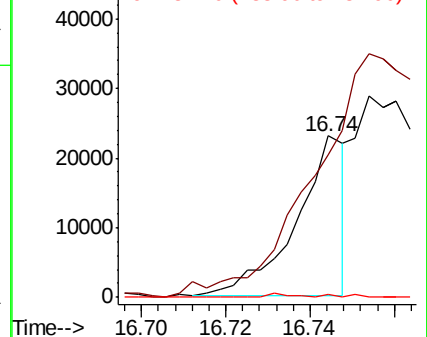
134 2.1 16.2 24.4#



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



#67

sec-Butylbenzene

Concen: 0.053 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. 0.01 min

Lab File: VL038927.D

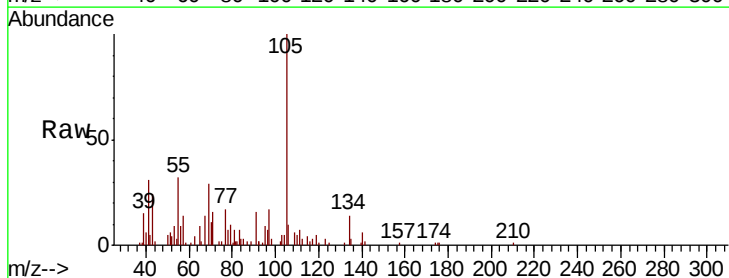
Acq: 14 Apr 2022 21:24

Tgt Ion: 105 Resp: 25940

Ion Ratio Lower Upper

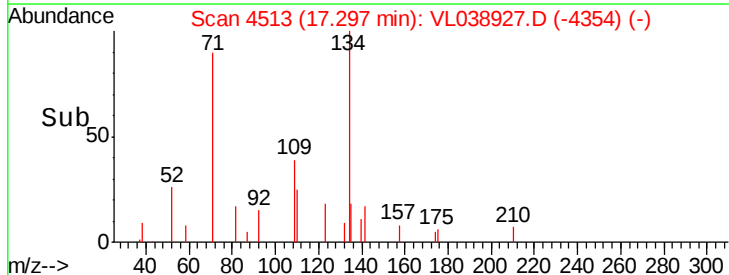
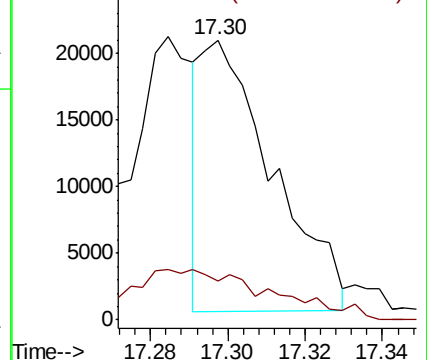
105 100

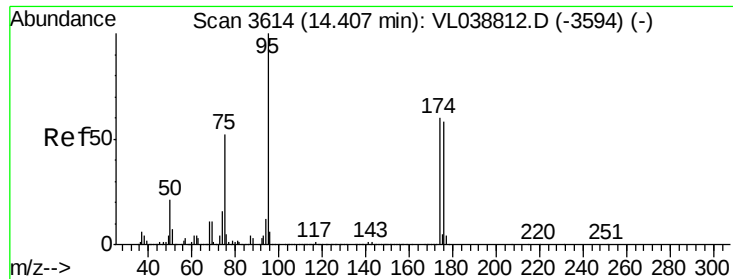
134 0.0 15.1 22.7#



Abundance Ion 105.10 (104.80 to 105.80): V

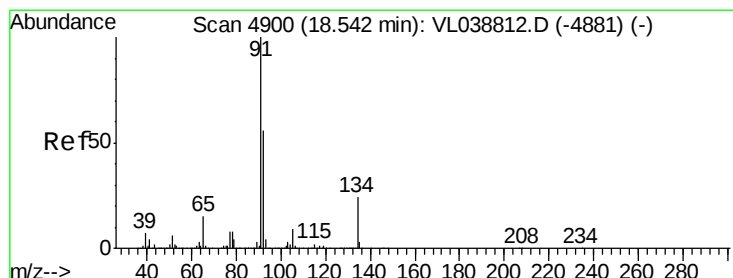
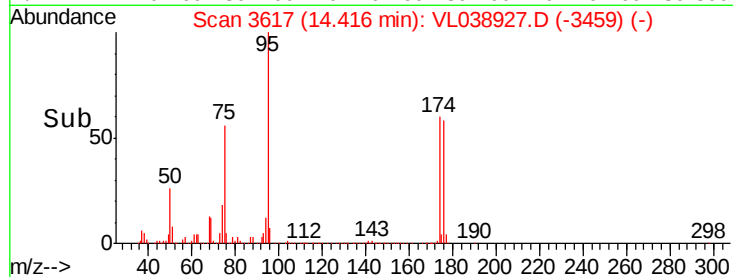
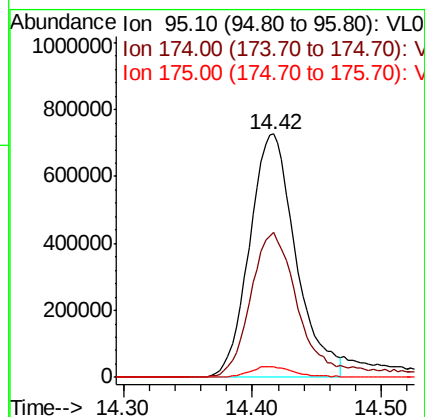
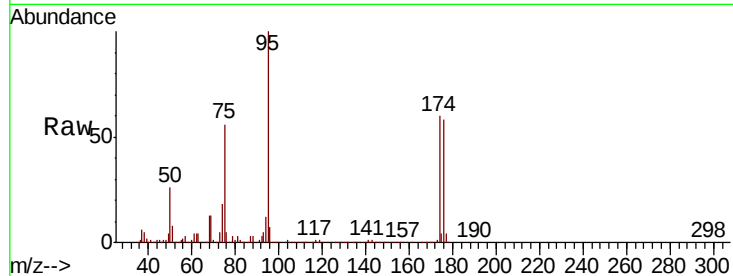
Ion 134.20 (133.90 to 134.90): V





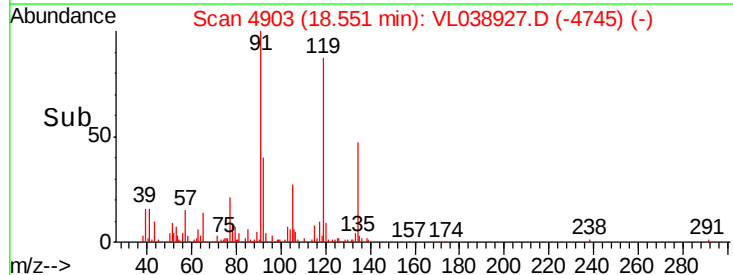
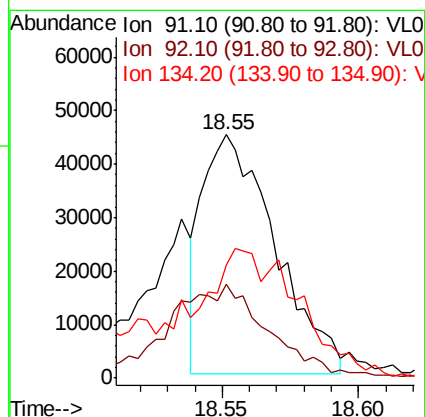
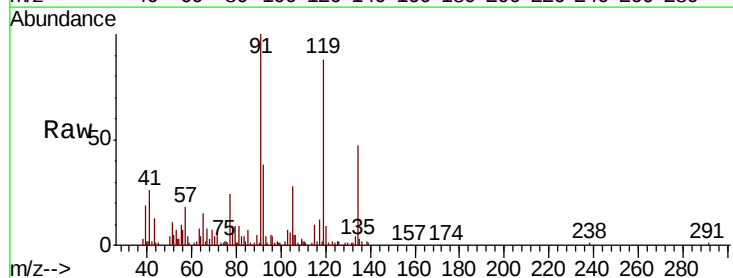
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.671 ppbv
 RT: 14.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Apr 2022 21:24

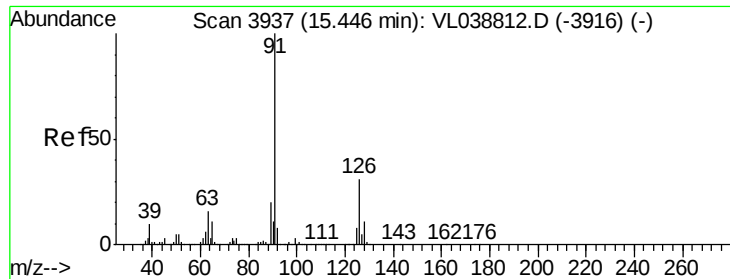
Tot Ion:	95	Resp:	1817504
Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.0	78.0
175	4.8	4.0	6.0



#70
 n-Butylbenzene
 Concen: 0.202 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.01 min
 Lab File: VL038927.D
 Acq: 14 Apr 2022 21:24

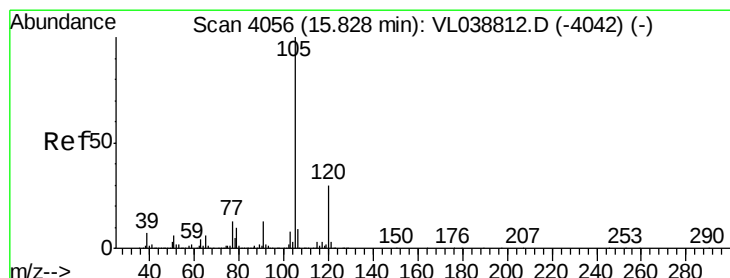
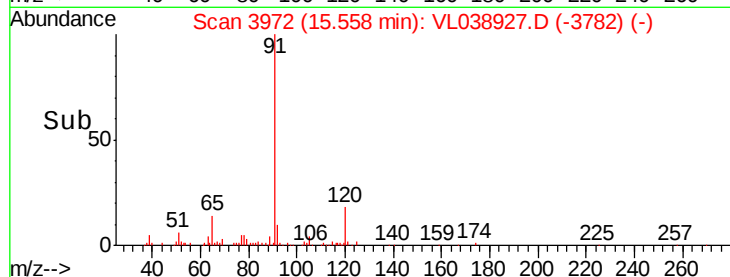
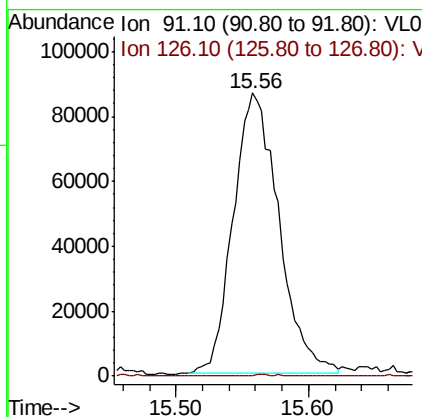
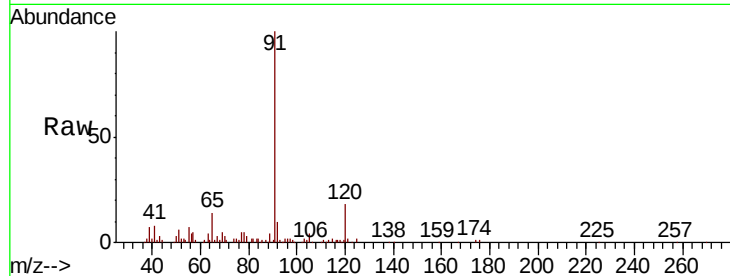
Tgt Ion:	91	Resp:	82369
Ion	Ratio	Lower	Upper
91	100		
92	58.1	44.6	66.8
134	100.8	19.2	28.8#





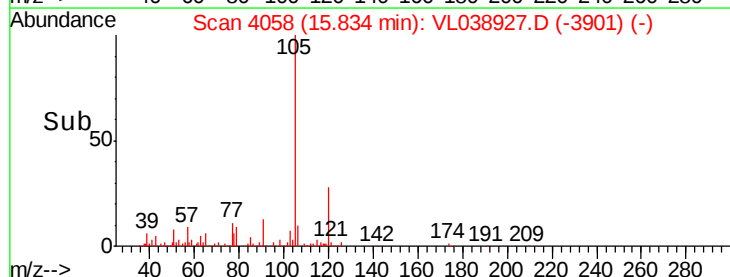
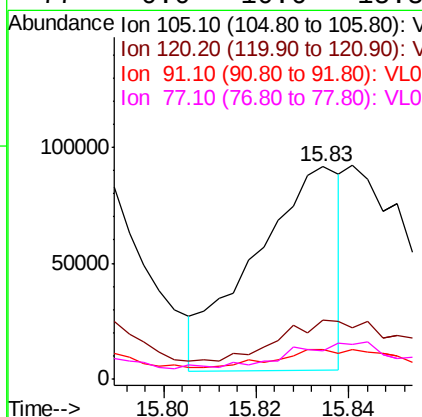
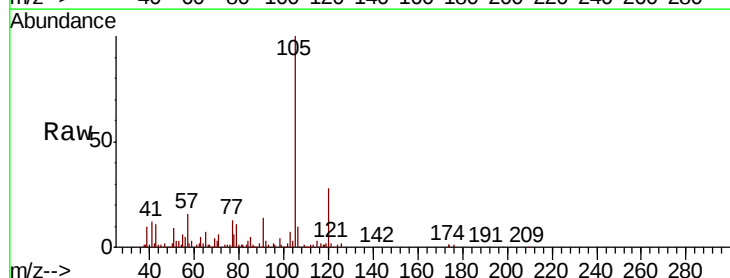
#71
 2-Chlorotoluene
 Concen: 0.688 ppbv
 RT: 15.56 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Apr 2022 21:24

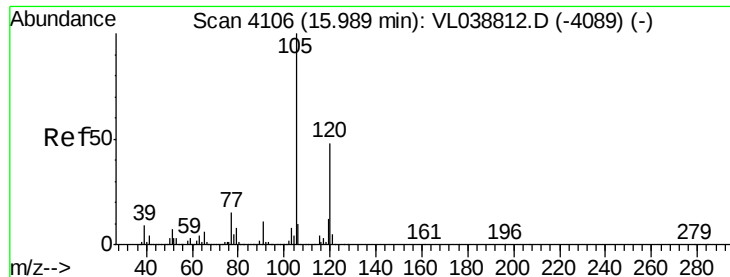
Tot Ion: 91 Resp: 204811
 Ion Ratio Lower Upper
 91 100
 126 0.4 13.0 51.8#



#72
 4-Ethyltoluene
 Concen: 0.358 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. 0.01 min
 Lab File: VL038927.D
 Acq: 14 Apr 2022 21:24

Tgt Ion: 105 Resp: 112605
 Ion Ratio Lower Upper
 105 100
 120 53.8 24.3 36.5#
 91 26.8 9.4 14.2#
 77 0.0 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.680 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

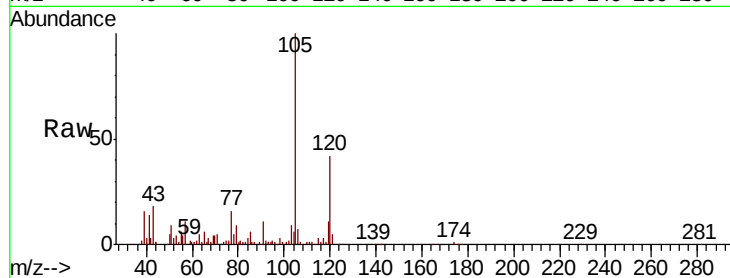
Acq: 14 Apr 2022 21:24

Tot Ion:105 Resp: 192531

Ion Ratio Lower Upper

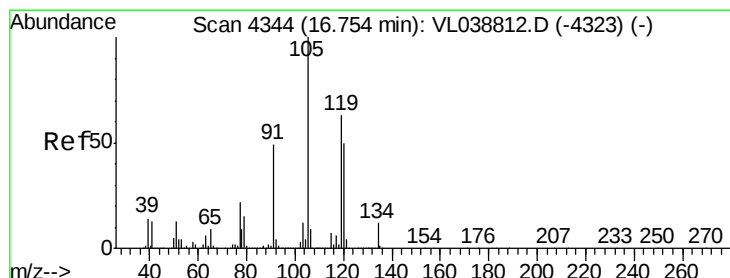
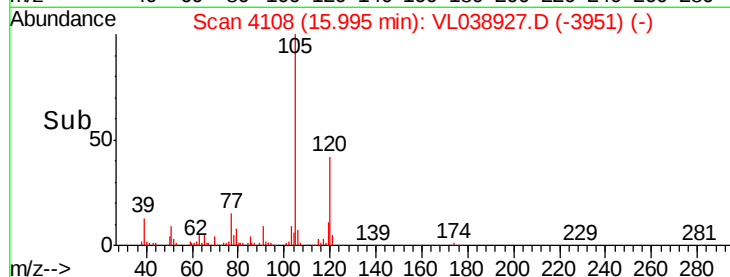
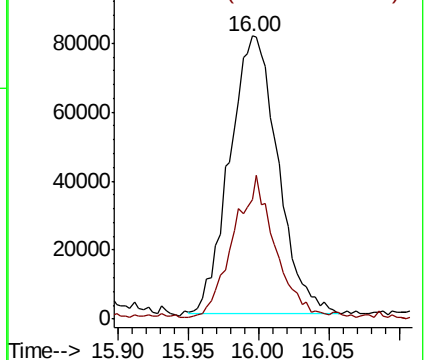
105 100

120 42.5 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: 2.306 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL038927.D

Acq: 14 Apr 2022 21:24

Tgt Ion:105 Resp: 689789

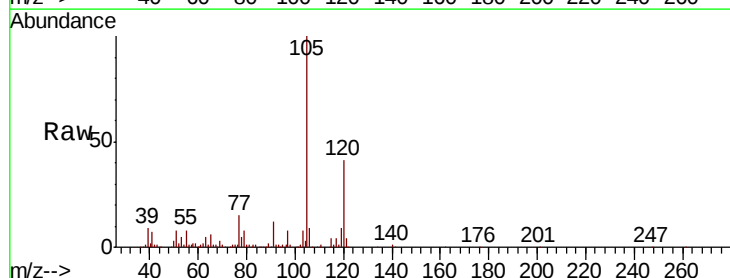
Ion Ratio Lower Upper

105 100

120 40.6 39.8 59.8

91 11.6 39.4 59.0#

77 14.6 17.3 25.9#

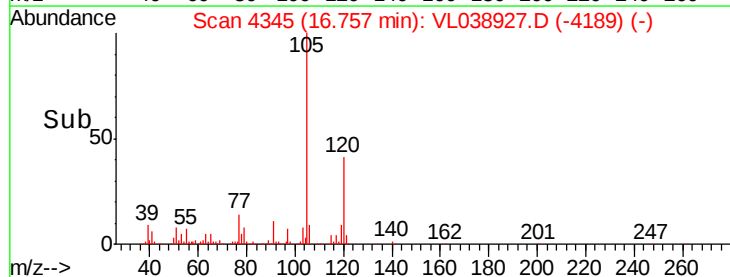
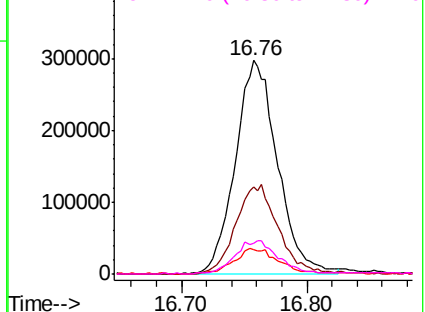


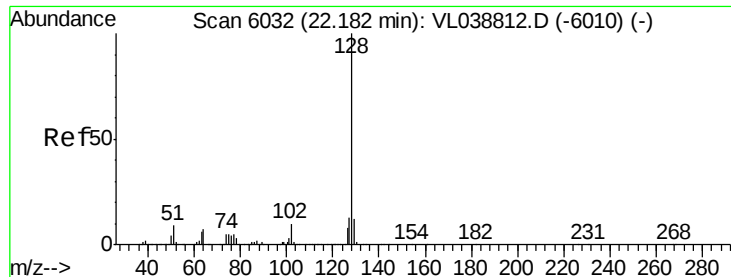
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

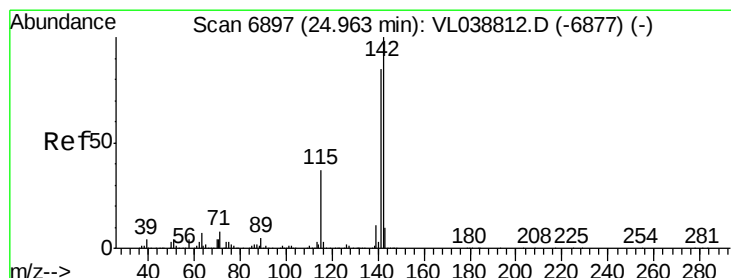
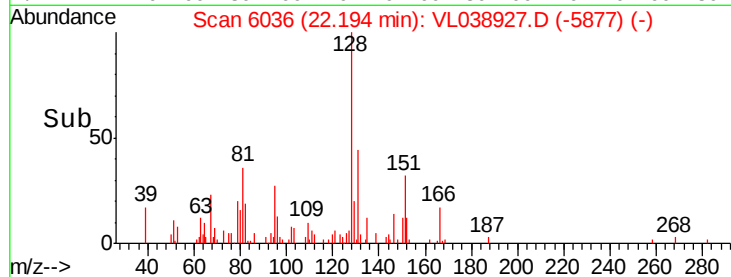
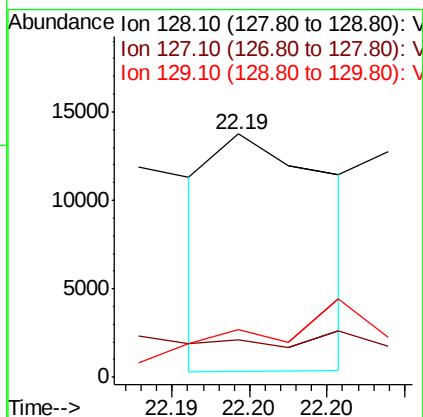
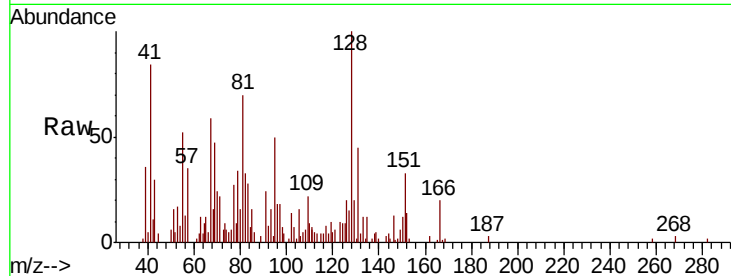
Ion 77.10 (76.80 to 77.80): VL0





#79
Naphthalene
Concen: 0.031 ppbv
RT: 22.19 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 21:24

Tot Ion:128 Resp: 6967
Ion Ratio Lower Upper
128 100
127 7.5 10.6 15.8#
129 34.6 9.4 14.0#



#80
Naphthalene, 2-methyl-
Concen: 0.086 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL038927.D
Acq: 14 Apr 2022 21:24

Tgt Ion:142 Resp: 4755
Ion Ratio Lower Upper
142 100
141 104.8 68.8 103.2#
115 255.4 31.6 47.4#

