

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038595.D
 Acq On : 14 Mar 2022 14:15
 Operator : SY/AP
 Sample : N1885-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Quant Time: Mar 15 01:35:58 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	786701	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2061620	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1948600	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1418730	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	17857	0.15	ppbv	91
3) Chlorodifluoromethane	2.98	51	75796	0.55	ppbv #	79
4) Chloromethane	3.13	50	13769	0.27	ppbv	100
9) Propene	3.19	41	347434	7.10	ppbv	88
10) Heptane	8.09	43	102573	0.88	ppbv	96
11) Trichlorofluoromethane	3.93	101	29309	0.28	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2776	0.03	ppbv #	10
13) Ethanol	3.58	45	440549	78.35	ppbv	93
15) Acetone	3.83	43	1071017	19.30	ppbv	93
16) 1,3-Butadiene	3.29	39	30138	0.68	ppbv #	41
17) tert-Butyl alcohol	4.27	59	6460	0.11	ppbv #	73
19) Isopropyl Alcohol	3.99	45	37954	1.02	ppbv #	92
20) Methylene Chloride	4.32	84	1125906	33.72	ppbv	99
21) Allyl Chloride	4.32	41	41350	0.77	ppbv #	41
23) Vinyl Acetate	5.03	43	42672	0.54	ppbv #	38
25) Ethyl Acetate	5.66	43	315293	1.69	ppbv #	82
26) Hexane	5.66	57	380478	4.34	ppbv #	48
27) Carbon Disulfide	4.53	76	20619	0.24	ppbv	98
29) Chloroform	5.72	83	36262	0.27	ppbv	98
30) Cyclohexane	7.10	84	7662	0.10	ppbv #	1
31) cis-1,2-Dichloroethene	5.65	61	2874	0.03	ppbv #	26
34) 2-Butanone	5.22	43	696521	13.03	ppbv	98
35) Carbon Tetrachloride	6.99	117	6365	0.05	ppbv	97
36) Benzene	6.86	78	136151	0.73	ppbv	96
39) 1,2-Dichloropropane	7.14	63	489195	6.84	ppbv #	27
41) Tetrahydrofuran	5.99	42	2478	0.06	ppbv #	21
44) 2,2,4-Trimethylpentane	7.84	57	213825	0.68	ppbv #	86
50) 4-Methyl-2-Pentanone	8.73	43	38673	0.35	ppbv	99
51) 2-Hexanone	10.10	43	301073	6.50	ppbv #	95
52) Tetrachloroethene	11.19	164	23955	0.35	ppbv	95
53) Toluene	9.77	91	2449451	12.33	ppbv	99
58) Ethyl Benzene	12.67	91	677733	2.69	ppbv	99
59) m/p-Xylene	12.93	91	1775897	8.22	ppbv	95
60) o-Xylene	13.65	91	778263	3.82	ppbv	97
61) Styrene	13.49	104	3316	0.03	ppbv #	10
62) Isopropylbenzene	14.63	105	51202	0.18	ppbv	99
64) n-propylbenzene	15.52	120	57278	0.80	ppbv	81
65) tert-Butylbenzene	16.72	119	145583	0.58	ppbv #	72
66) Benzyl Chloride	17.18	91	10484	0.70	ppbv #	81
67) sec-Butylbenzene	17.26	105	22419	0.06	ppbv #	66
70) n-Butylbenzene	18.48	91	12406	0.04	ppbv #	32

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QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

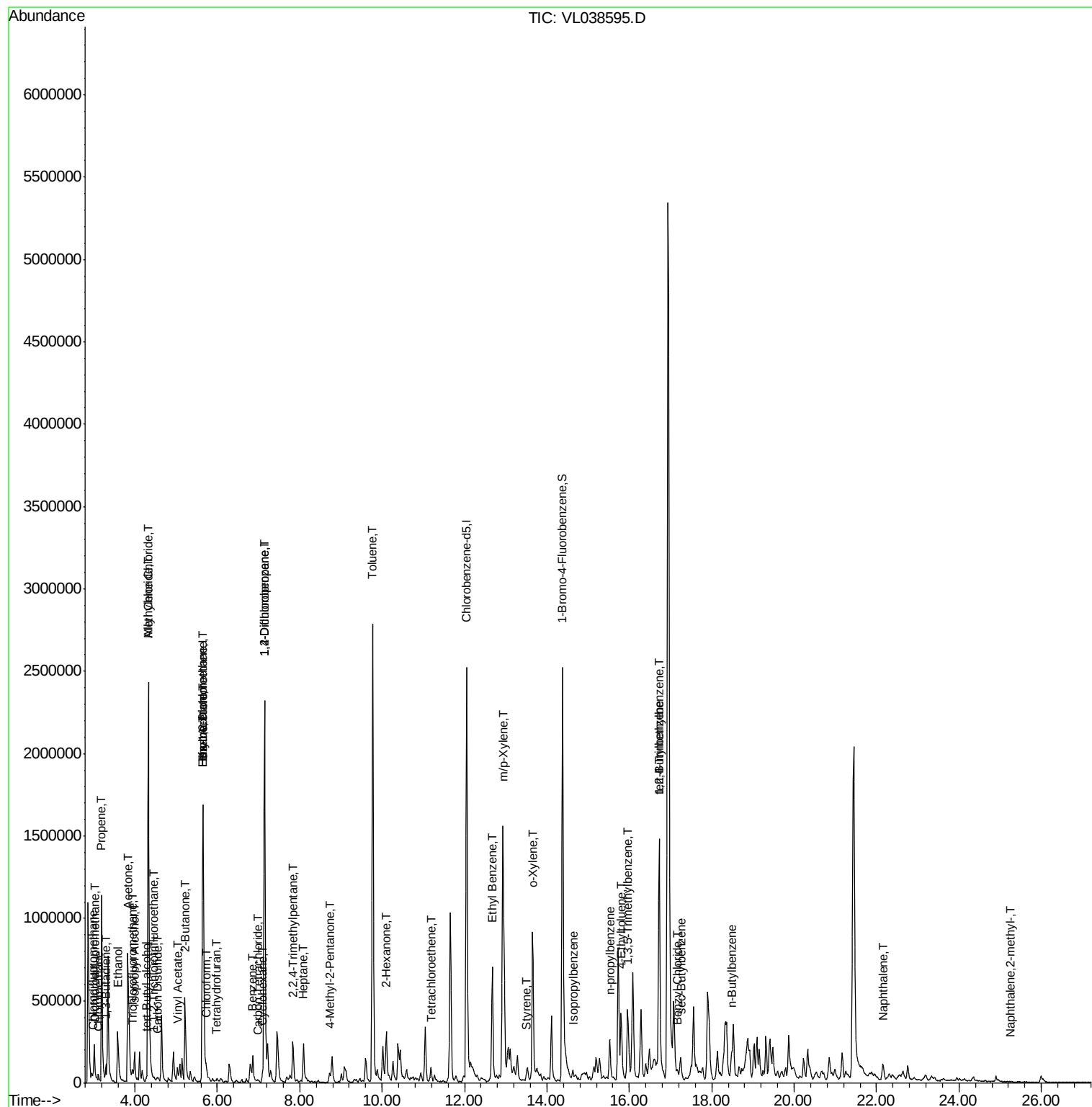
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.80	105	337219	1.44	ppbv	98
73) 1,3,5-Trimethylbenzene	15.96	105	328926	1.51	ppbv	98
74) 1,2,4-Trimethylbenzene	16.72	105	1270200	5.47	ppbv #	79
79) Naphthalene	22.14	128	36242	0.17	ppbv	97
80) Naphthalene,2-methyl-	25.26	142	1426	0.04	ppbv	90

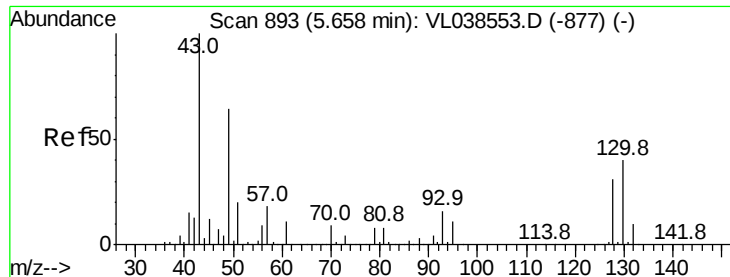
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 14:15

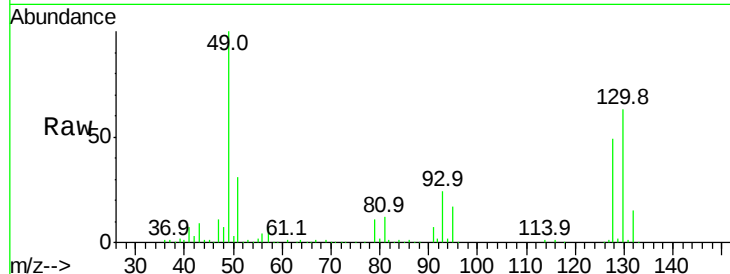
Tgt Ion: 49 Resp: 786701

Ion Ratio Lower Upper

49 100

128 52.7 26.4 79.2

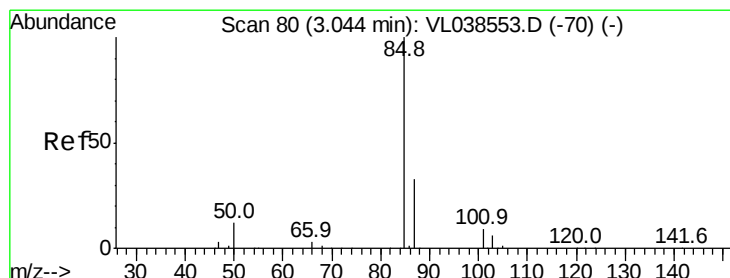
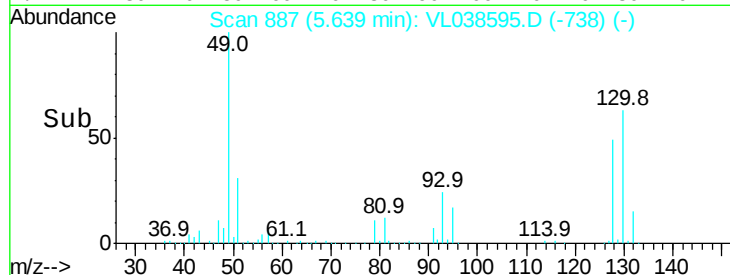
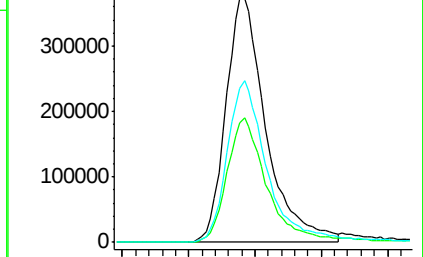
130 67.1 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.15 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL038595.D

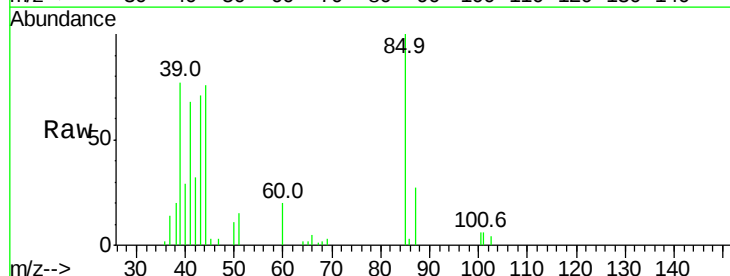
Acq: 14 Mar 2022 14:15

Tgt Ion: 85 Resp: 17857

Ion Ratio Lower Upper

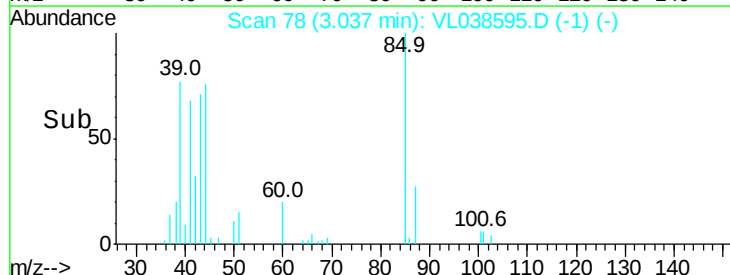
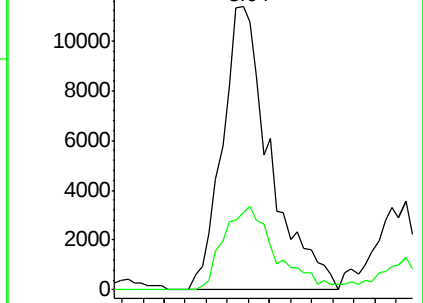
85 100

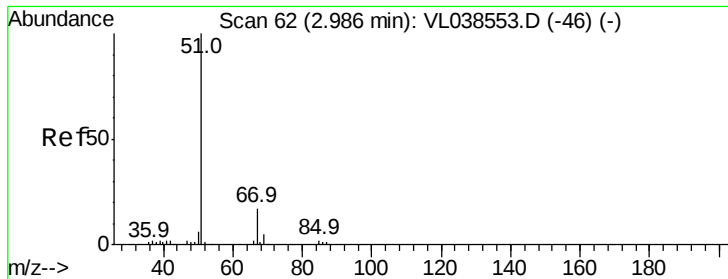
87 27.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.55 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SS-1

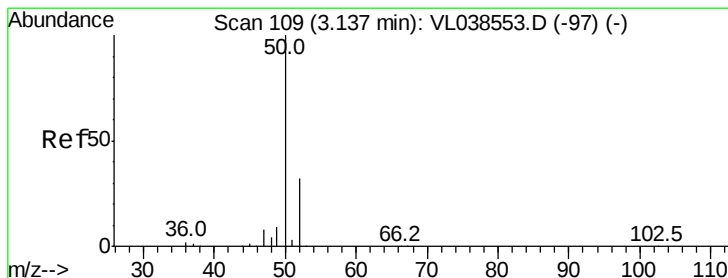
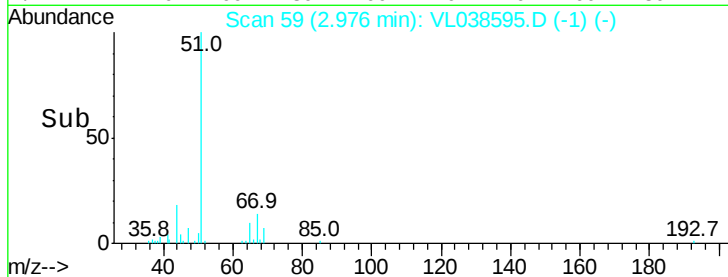
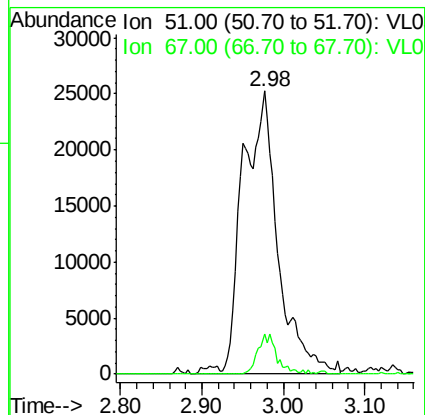
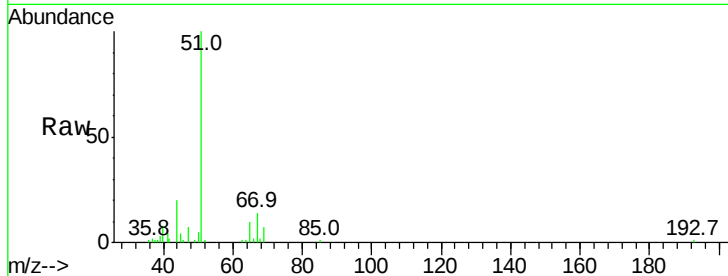
Acq: 14 Mar 2022 14:15

Tgt Ion: 51 Resp: 75796

Ion Ratio Lower Upper

51 100

67 7.9 13.6 20.4#



#4

Chloromethane

Concen: 0.27 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL038595.D

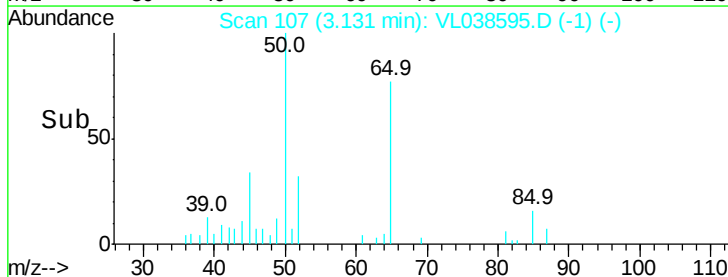
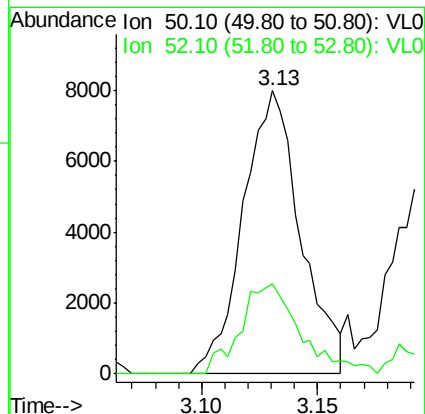
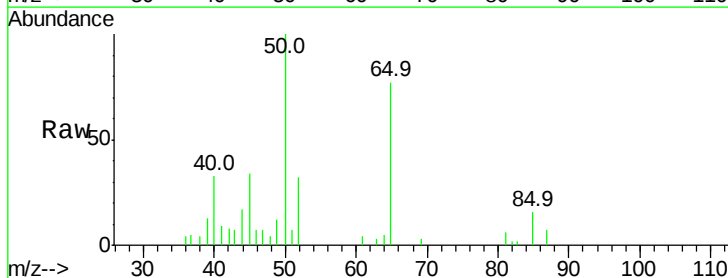
Acq: 14 Mar 2022 14:15

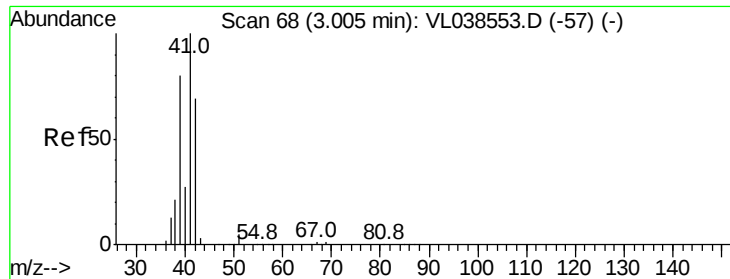
Tgt Ion: 50 Resp: 13769

Ion Ratio Lower Upper

50 100

52 31.8 25.6 38.4





#9

Propene

Concen: 7.10 ppbv

RT: 3.19 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SS-1

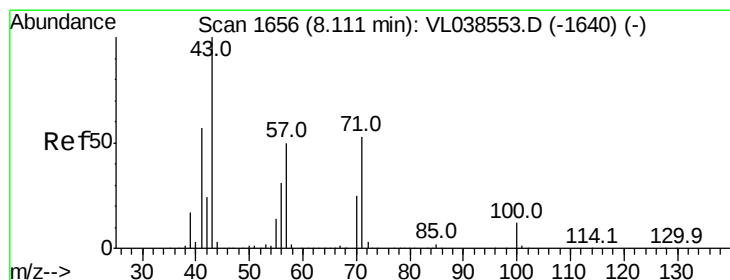
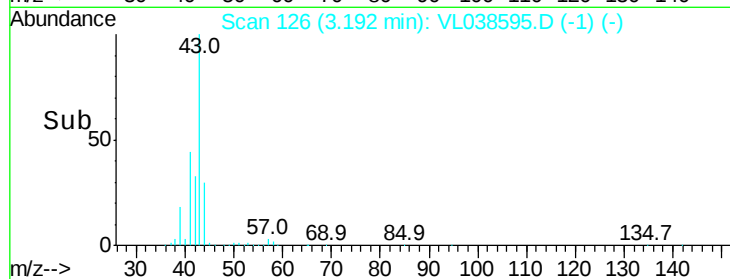
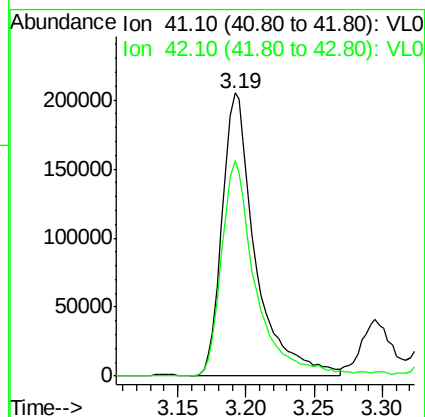
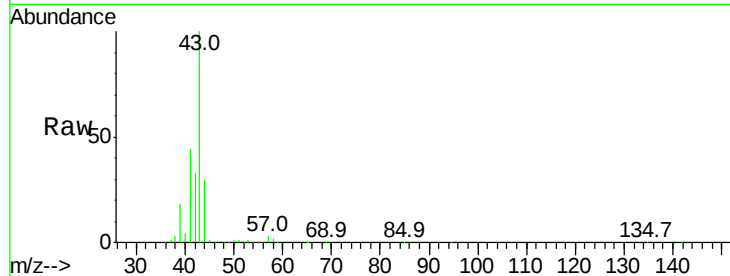
Acq: 14 Mar 2022 14:15

Tgt Ion: 41 Resp: 347434

Ion Ratio Lower Upper

41 100

42 79.4 55.7 83.5



#10

Heptane

Concen: 0.88 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.02 min

Lab File: VL038595.D

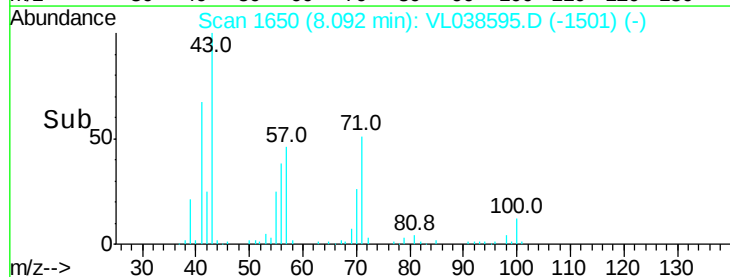
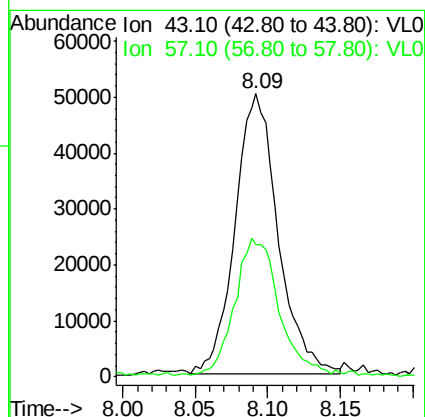
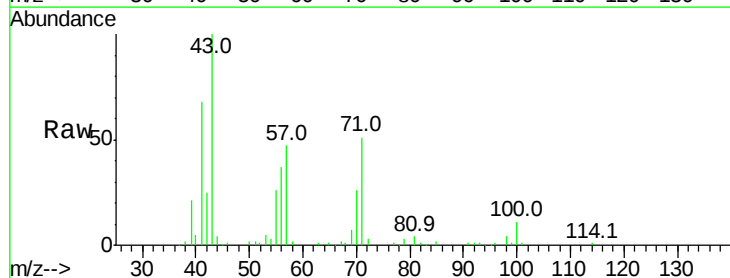
Acq: 14 Mar 2022 14:15

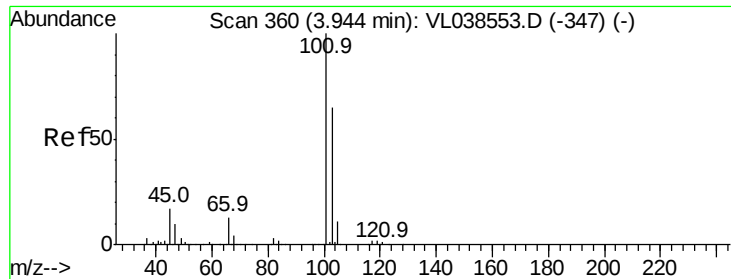
Tgt Ion: 43 Resp: 102573

Ion Ratio Lower Upper

43 100

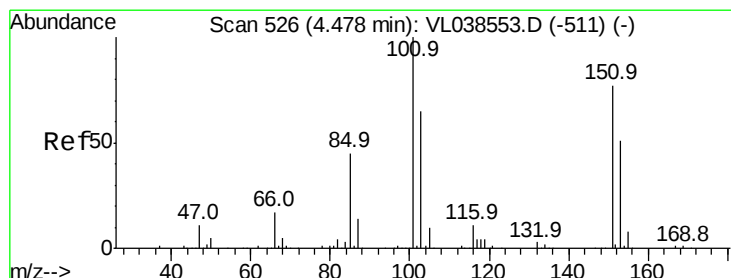
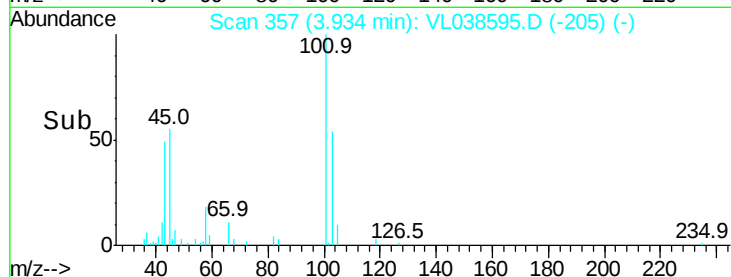
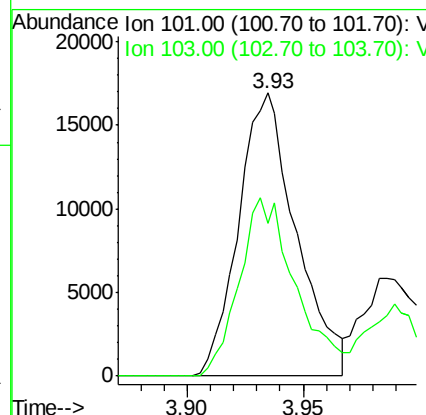
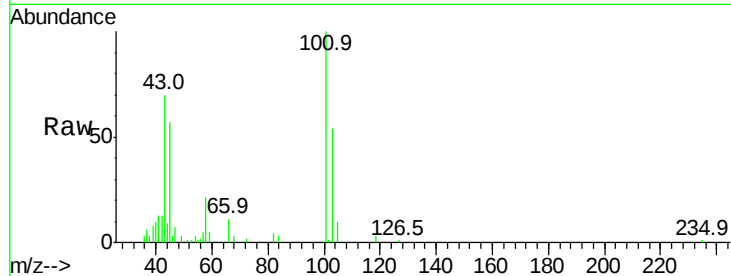
57 51.9 39.6 59.4





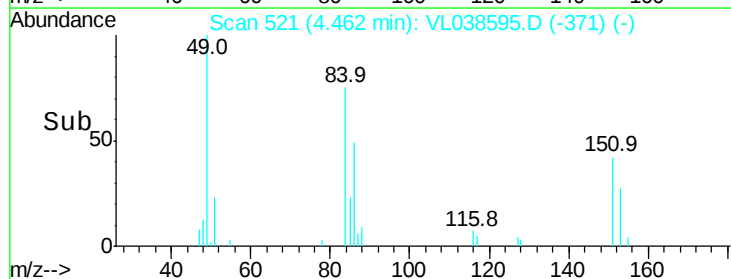
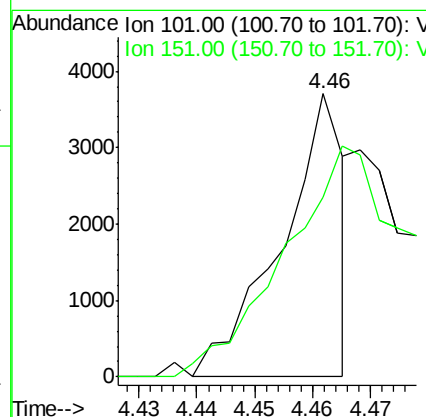
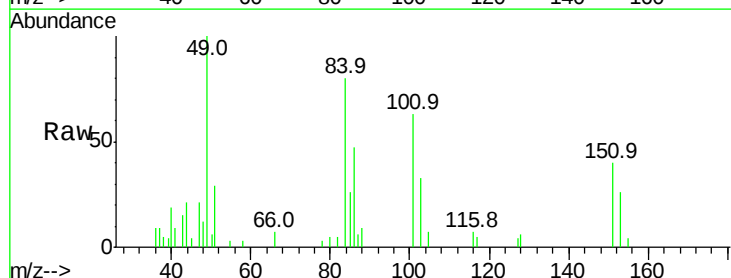
#11
 Trichlorofluoromethane
 Concen: 0.28 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 14 Mar 2022 14:15

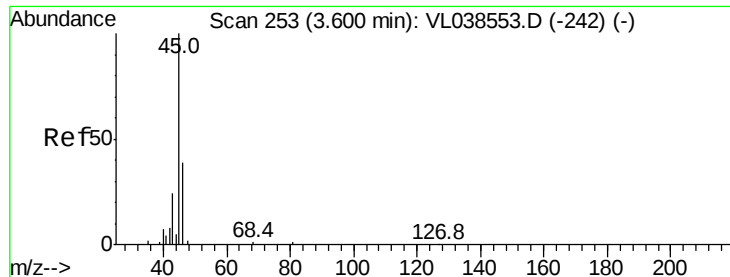
Tgt Ion:101 Resp: 29309
 Ion Ratio Lower Upper
 101 100
 103 54.1 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.03 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL038595.D
 Acq: 14 Mar 2022 14:15

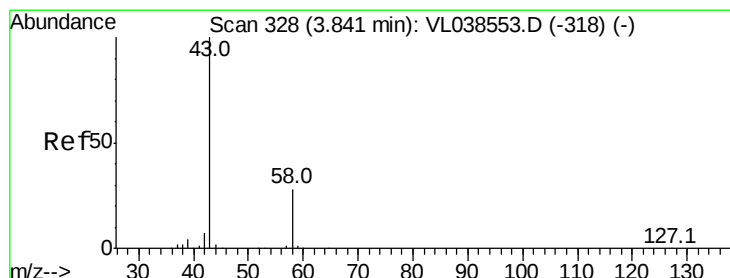
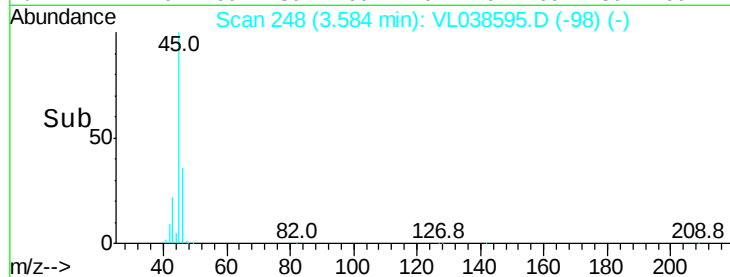
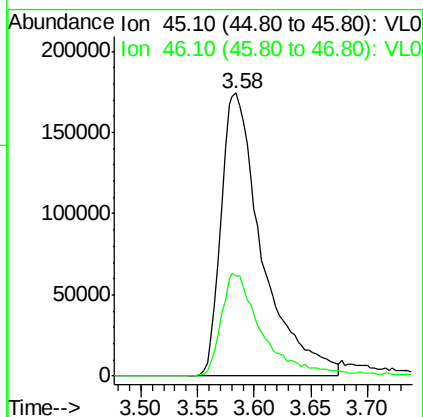
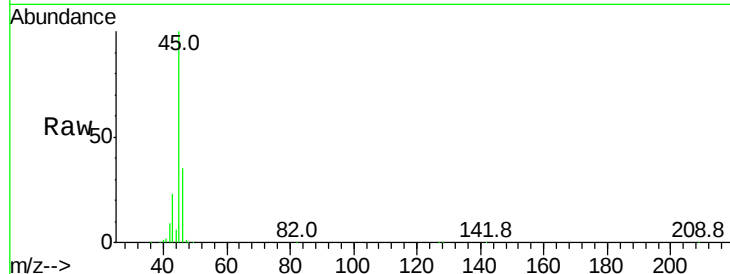
Tgt Ion:101 Resp: 2776
 Ion Ratio Lower Upper
 101 100
 151 0.0 63.4 95.0#





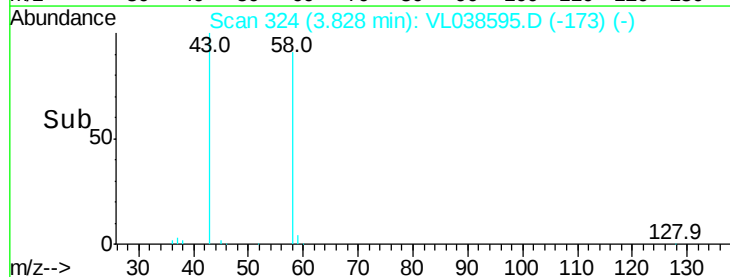
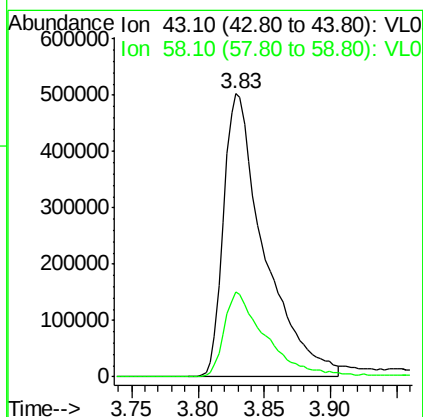
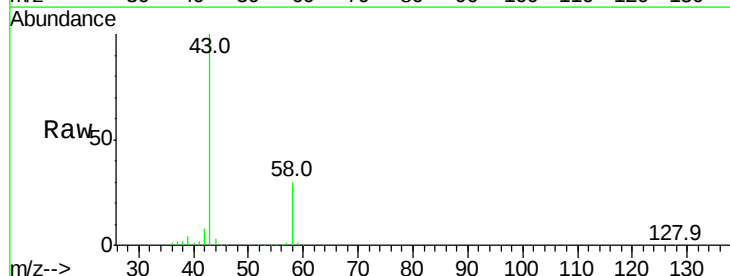
#13
Ethanol
Concen: 78.35 ppbv
RT: 3.58
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:15

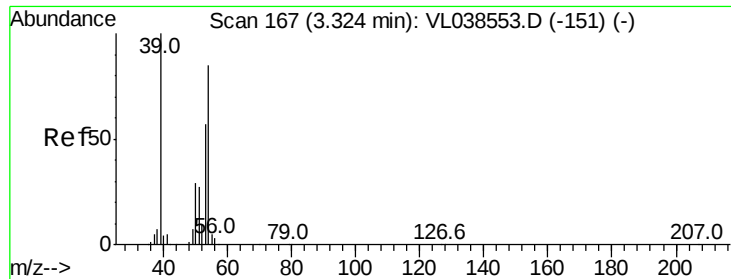
Tgt Ion: 45 Resp: 440549
Ion Ratio Lower Upper
45 100
46 37.3 16.8 67.0



#15
Acetone
Concen: 19.30 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL038595.D
Acq: 14 Mar 2022 14:15

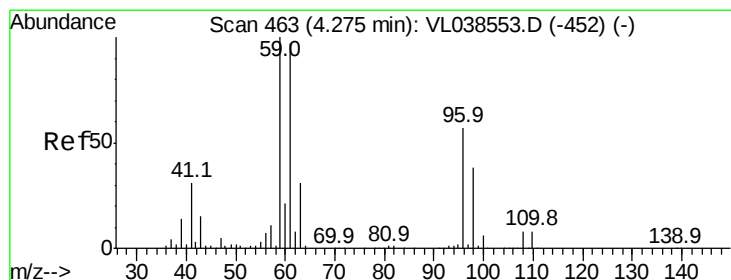
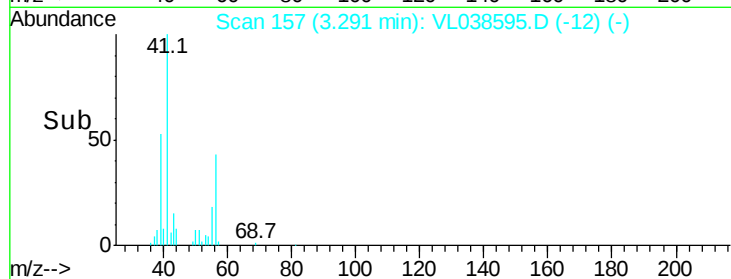
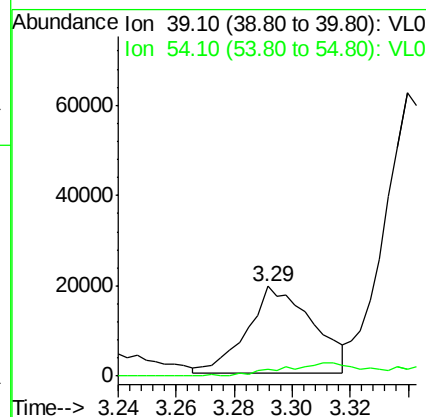
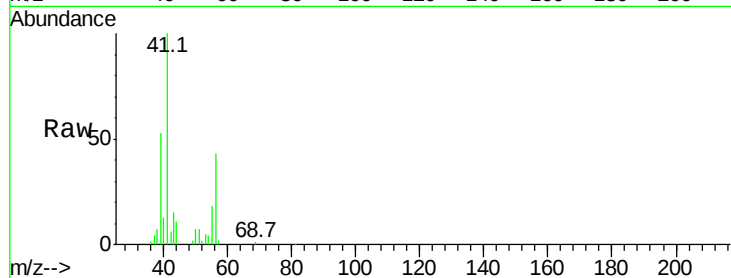
Tgt Ion: 43 Resp: 1071017
Ion Ratio Lower Upper
43 100
58 32.0 22.7 34.1





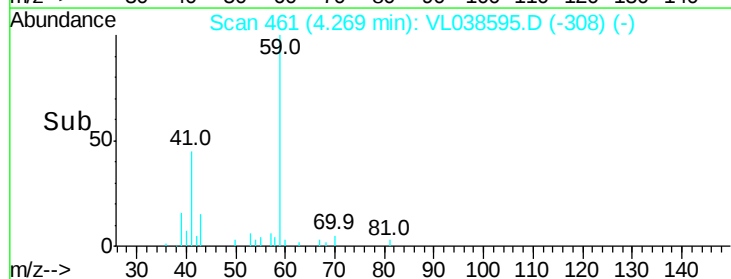
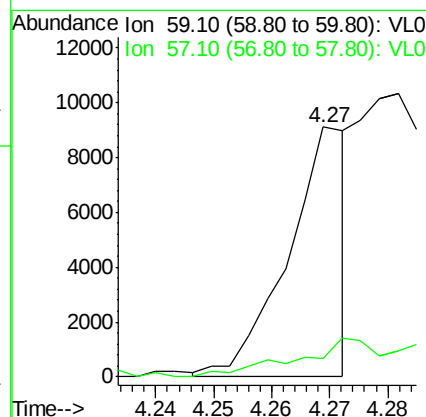
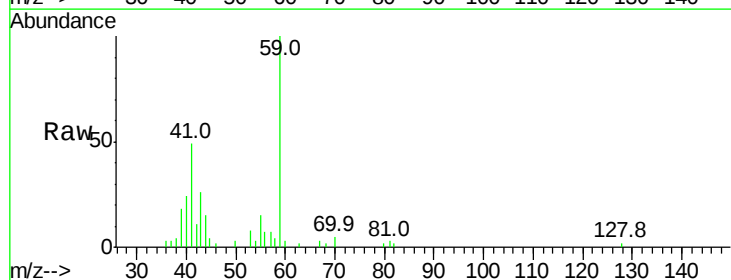
#16
 1,3-Butadiene
 Concen: 0.68 ppbv
 RT: 3.29
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SS-1
 Acq: 14 Mar 2022 14:15

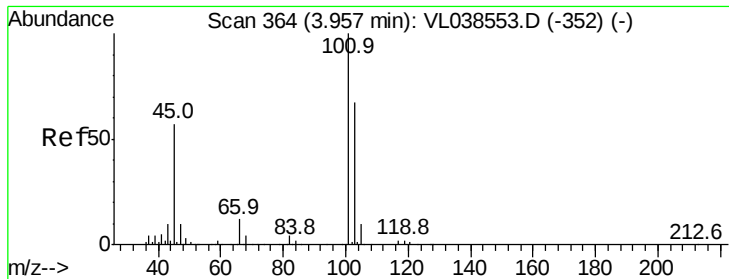
Tgt Ion: 39 Resp: 30138
 Ion Ratio Lower Upper
 39 100
 54 28.4 64.2 96.2#



#17
 tert-Butyl alcohol
 Concen: 0.11 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: VL038595.D
 Acq: 14 Mar 2022 14:15

Tgt Ion: 59 Resp: 6460
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#





#19

Isopropyl Alcohol

Concen: 1.02 ppbv

RT: 3.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SS-1

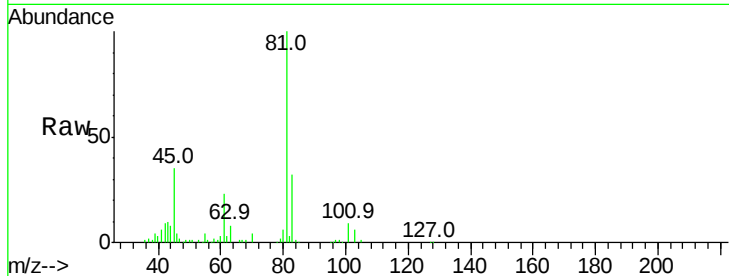
Acq: 14 Mar 2022 14:15

Tgt Ion: 45 Resp: 37954

Ion Ratio Lower Upper

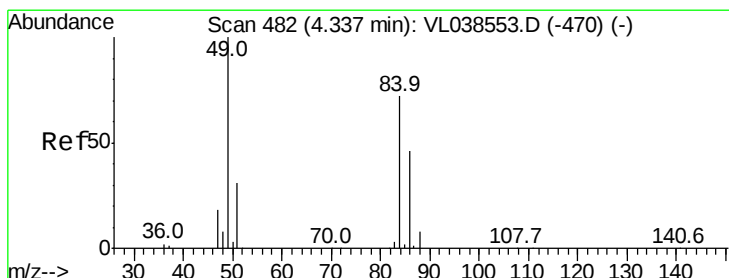
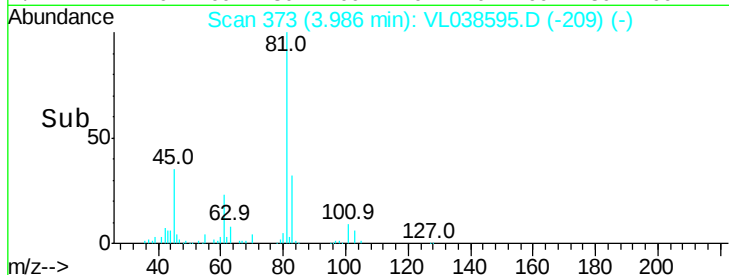
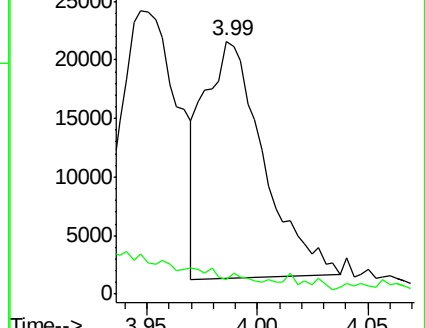
45 100

58 0.0 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 33.72 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.01 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

Tgt Ion: 84 Resp: 1125906

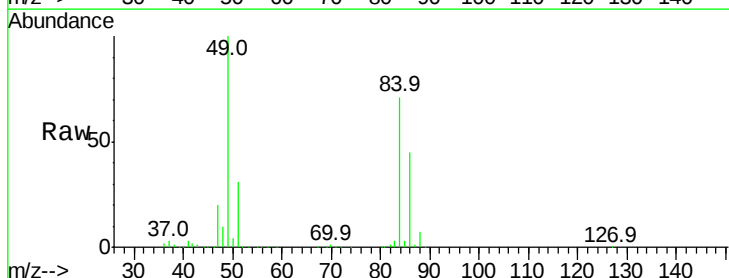
Ion Ratio Lower Upper

84 100

49 140.1 111.1 166.7

51 43.3 34.0 51.0

86 63.7 50.9 76.3

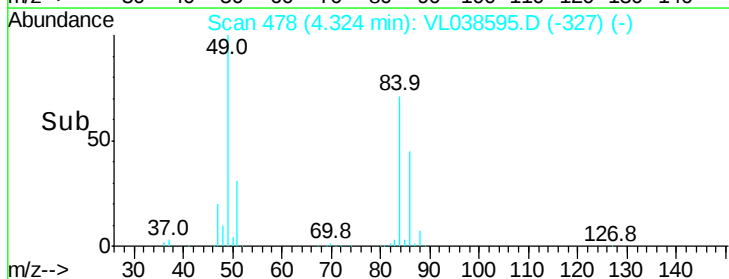
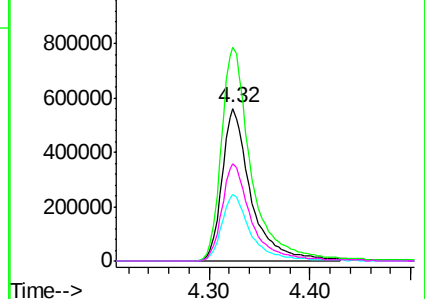


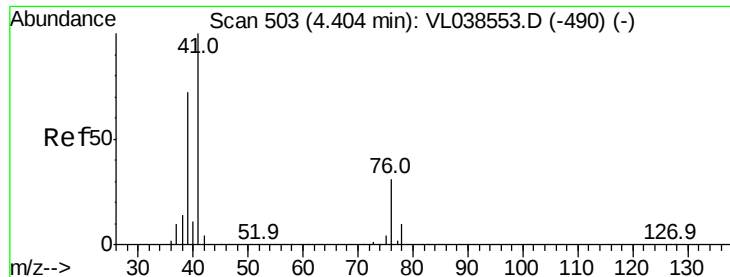
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.77 ppbv

RT: 4.32 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 14:15

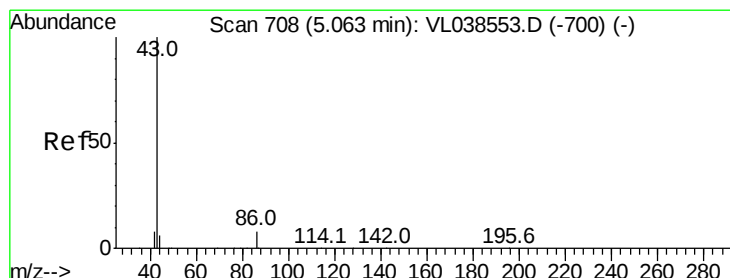
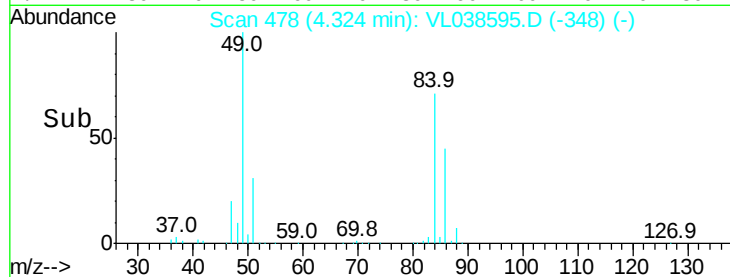
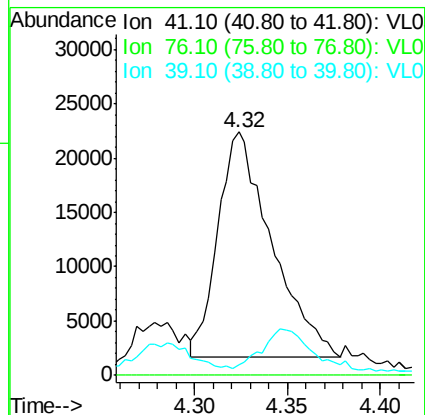
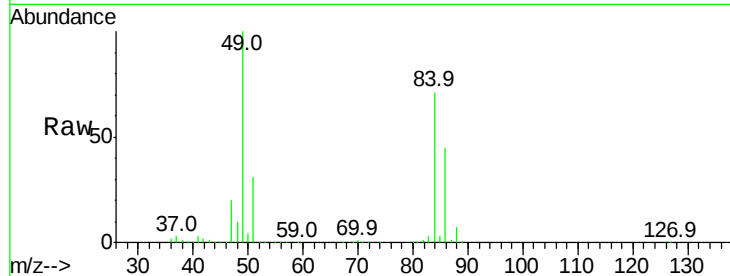
Tgt Ion: 41 Resp: 41350

Ion Ratio Lower Upper

41 100

76 0.0 24.3 36.5#

39 21.3 57.1 85.7#



#23

Vinyl Acetate

Concen: 0.54 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.03 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

Tgt Ion: 43 Resp: 42672

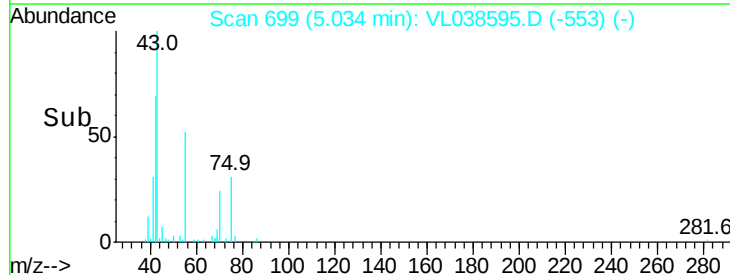
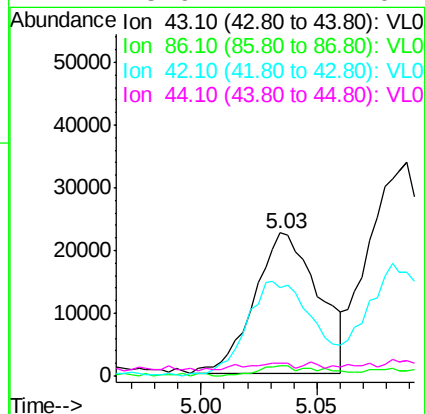
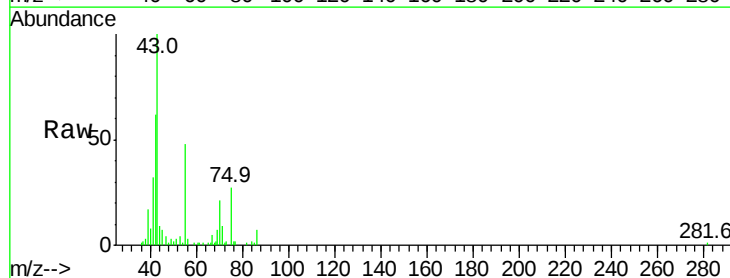
Ion Ratio Lower Upper

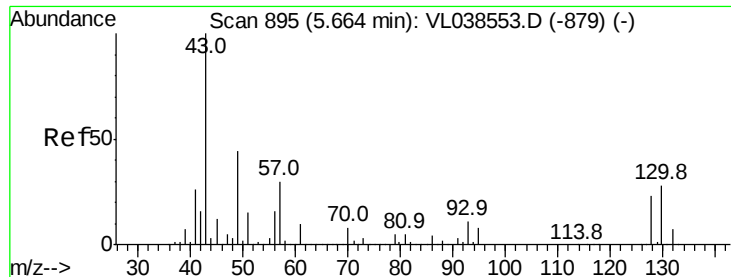
43 100

86 7.0 5.6 8.4

42 61.1 7.1 10.7#

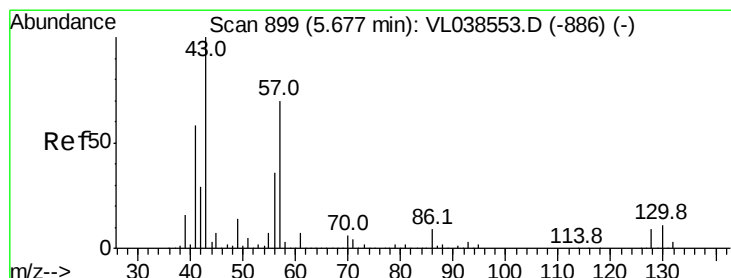
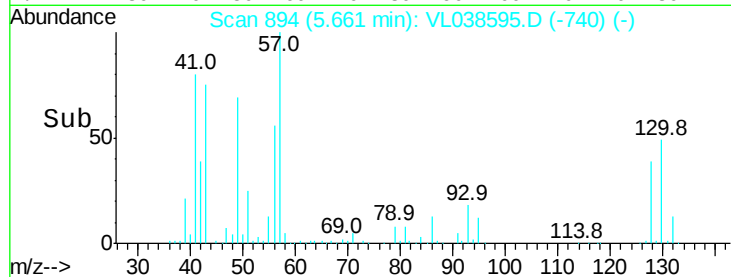
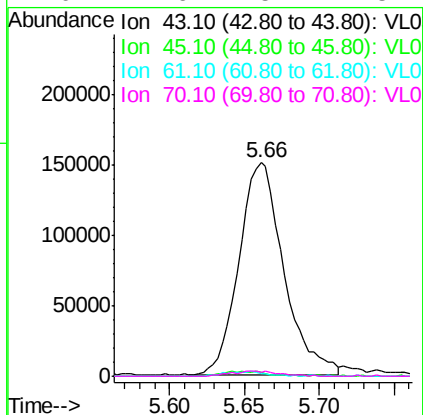
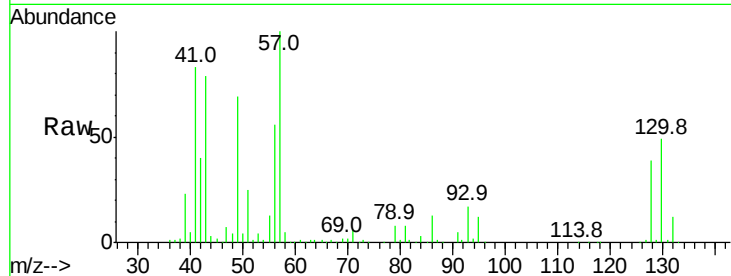
44 3.6 4.1 6.1#





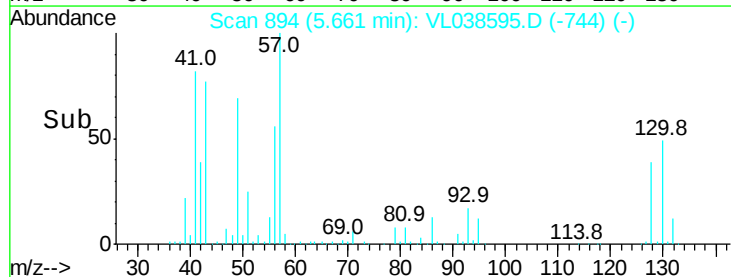
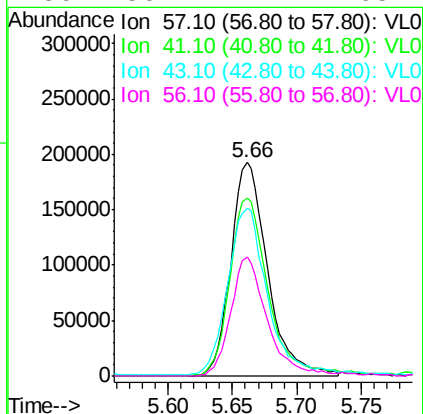
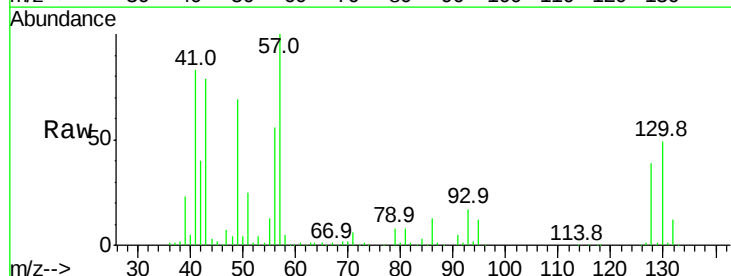
#25
Ethyl Acetate
Concen: 1.69 ppbv
RT: 5.66 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:15

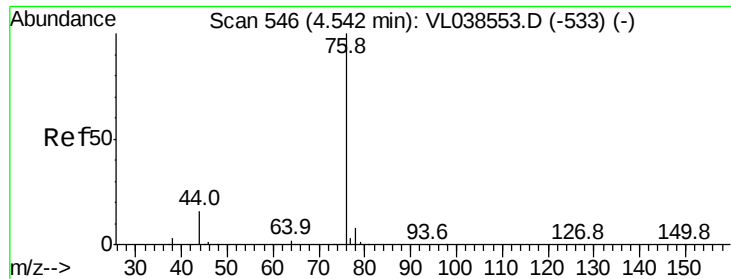
Tgt Ion:	43	Resp:	315293
Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.0	12.0#
61	2.1	8.2	12.4#
70	2.6	5.4	8.2#



#26
Hexane
Concen: 4.34 ppbv
RT: 5.66 min Scan# 894
Delta R.T.: -0.02 min
Lab File: VL038595.D
Acq: 14 Mar 2022 14:15

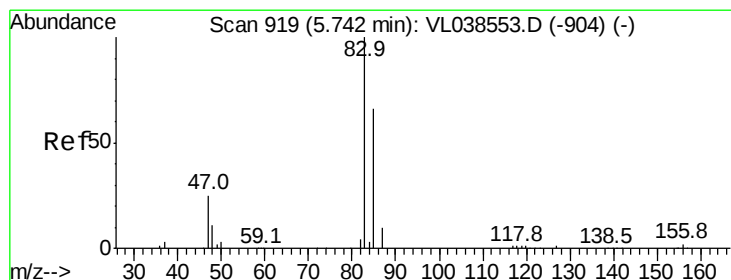
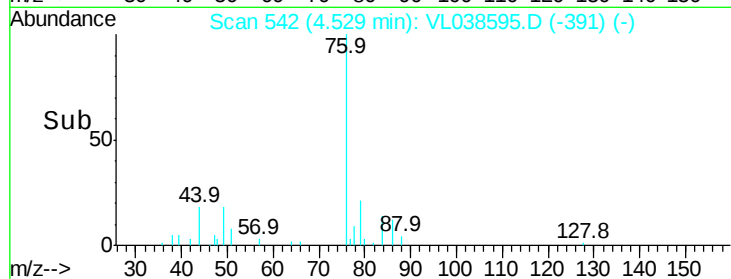
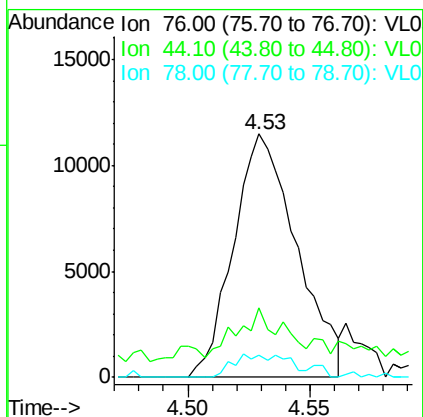
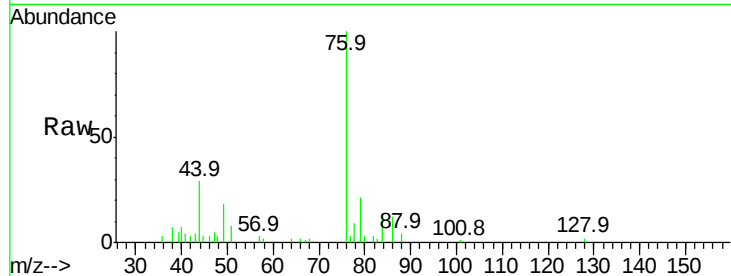
Tgt Ion:	57	Resp:	380478
Ion	Ratio	Lower	Upper
57	100		
41	88.5	67.8	101.6
43	85.3	173.6	260.4#
56	56.4	42.2	63.2





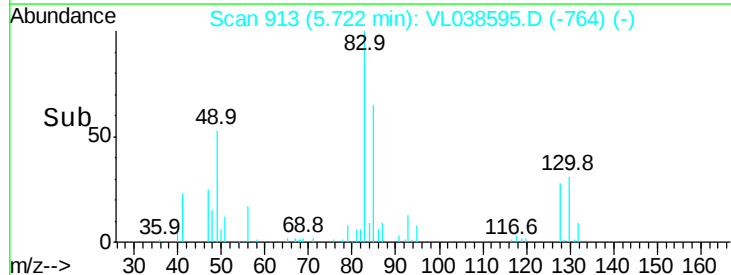
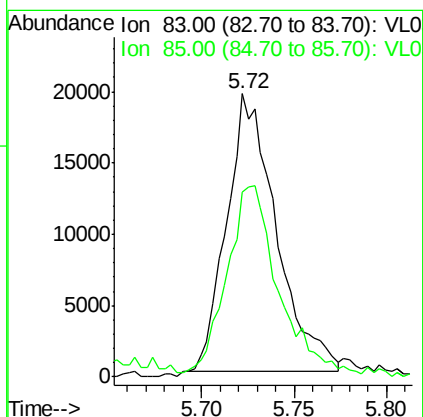
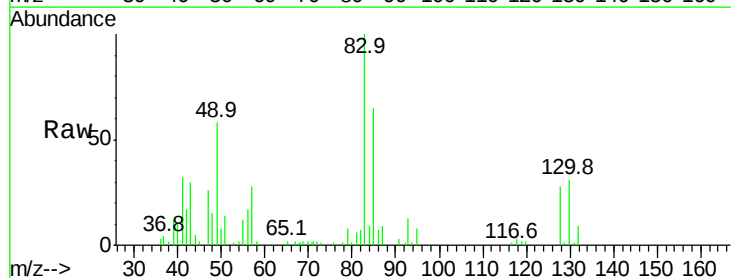
#27
 Carbon Disulfide
 Concen: 0.24 ppbv
 RT: 4.53
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 14 Mar 2022 14:15

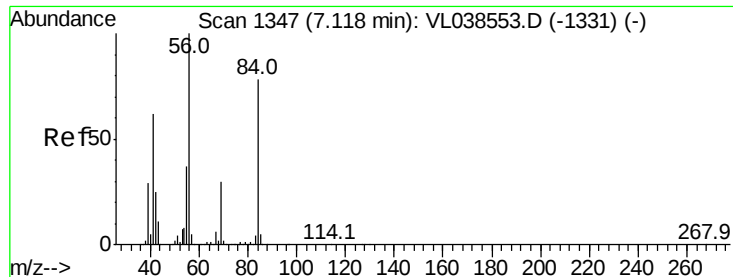
Tgt Ion: 76 Resp: 20619
 Ion Ratio Lower Upper
 76 100
 44 17.2 12.9 19.3
 78 10.0 7.8 11.6



#29
 Chloroform
 Concen: 0.27 ppbv
 RT: 5.72 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VL038595.D
 Acq: 14 Mar 2022 14:15

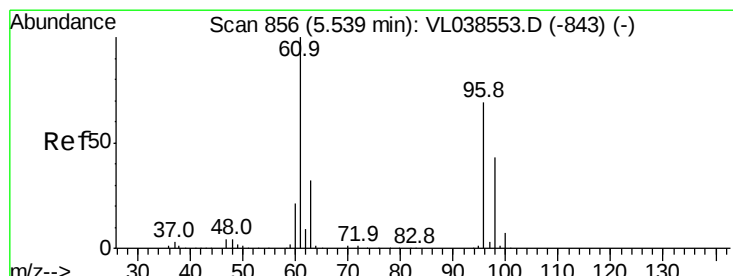
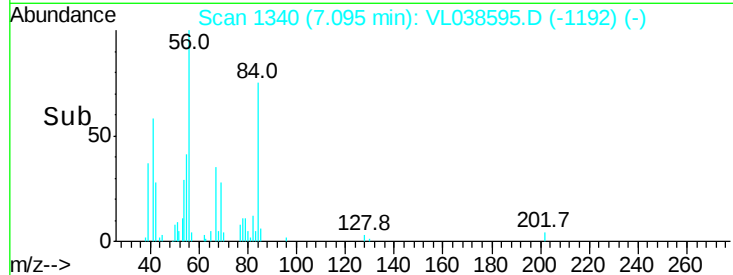
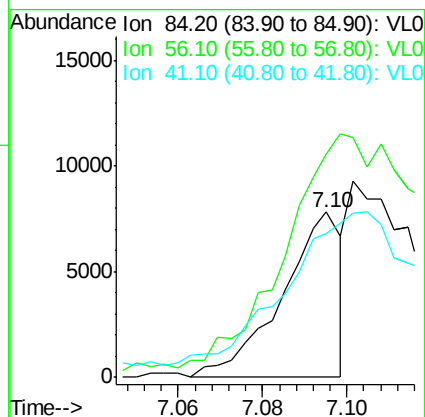
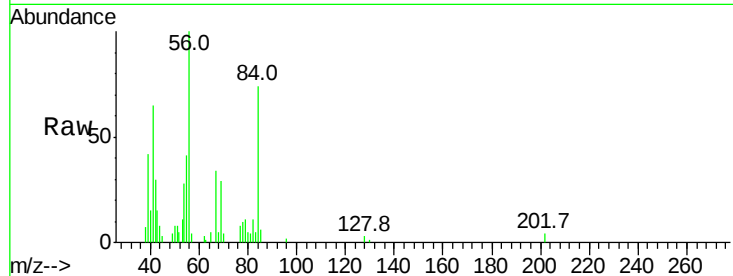
Tgt Ion: 83 Resp: 36262
 Ion Ratio Lower Upper
 83 100
 85 64.2 52.8 79.2





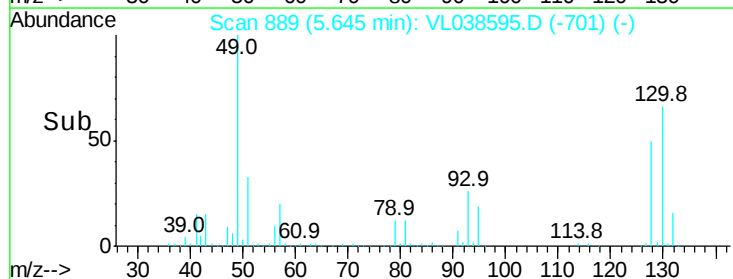
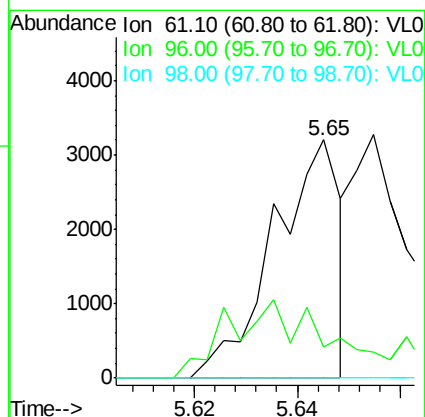
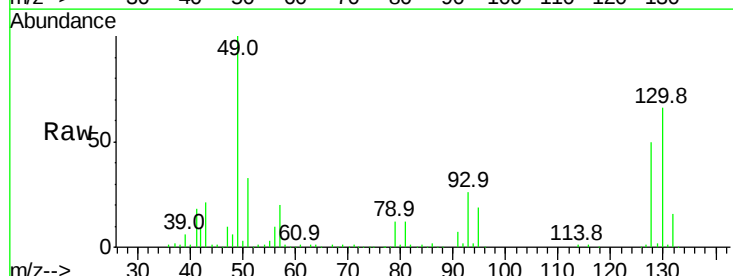
#30
Cyclohexane
Concen: 0.10 ppbv
RT: 7.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:15

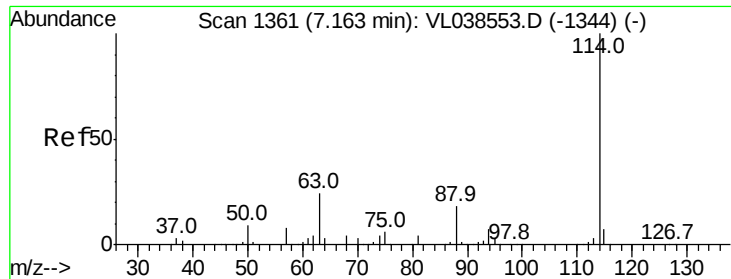
Tgt Ion: 84 Resp: 7662
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 0.0 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.03 ppbv
RT: 5.65 min Scan# 889
Delta R.T. 0.11 min
Lab File: VL038595.D
Acq: 14 Mar 2022 14:15

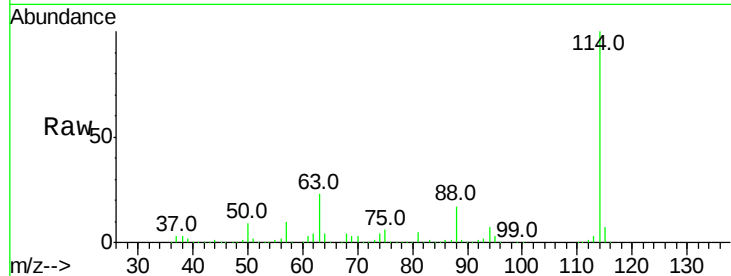
Tgt Ion: 61 Resp: 2874
Ion Ratio Lower Upper
61 100
96 5.1 55.2 82.8#
98 0.0 34.2 51.4#



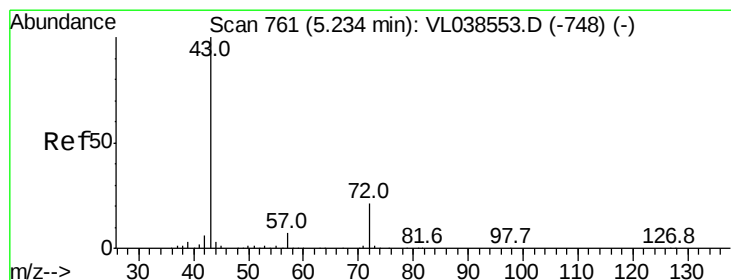
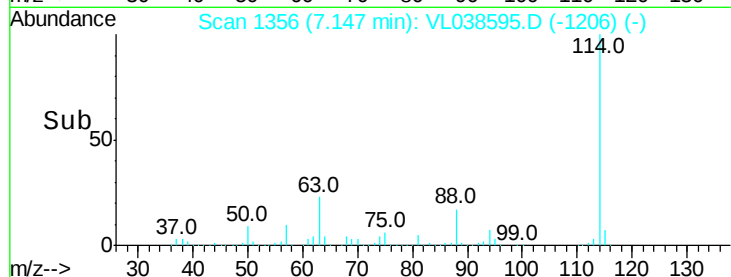
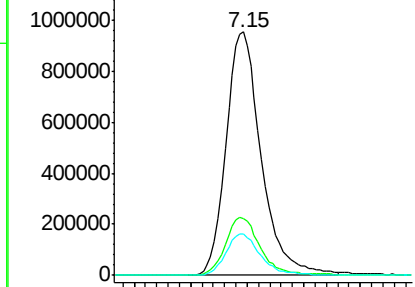


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 14 Mar 2022 14:15

Tgt Ion: 114 Resp: 2061620
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.1 13.9 20.9

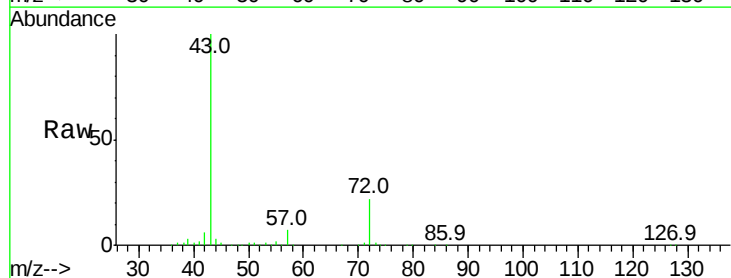


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

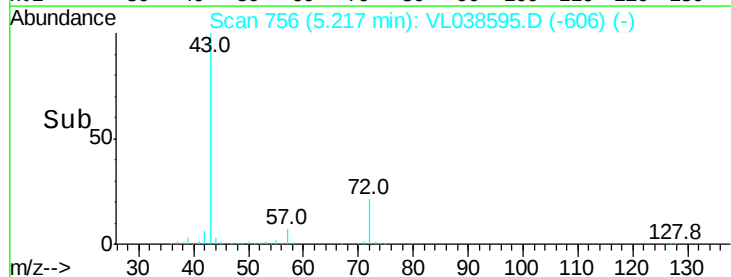
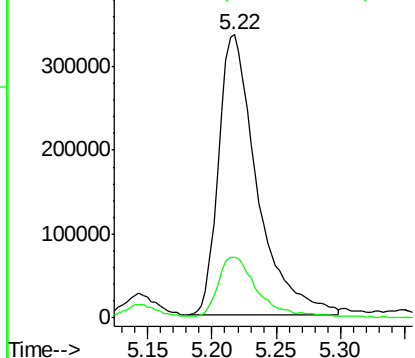


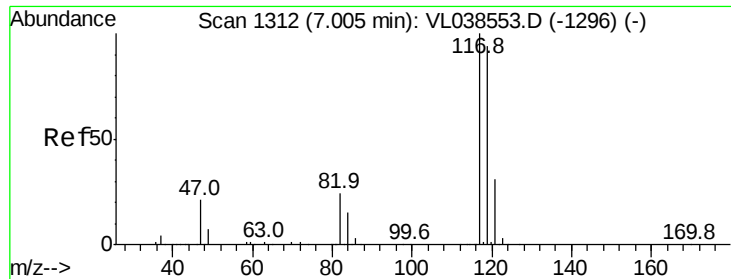
#34
 2-Butanone
 Concen: 13.03 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL038595.D
 Acq: 14 Mar 2022 14:15

Tgt Ion: 43 Resp: 696521
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.8 26.6



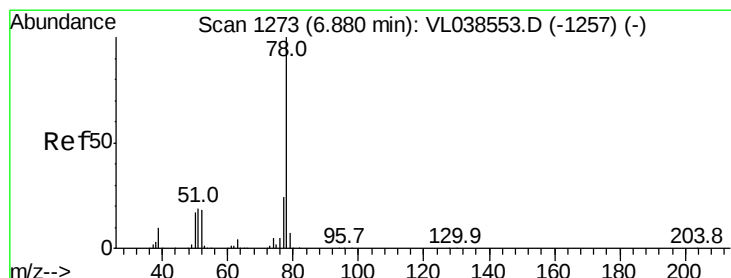
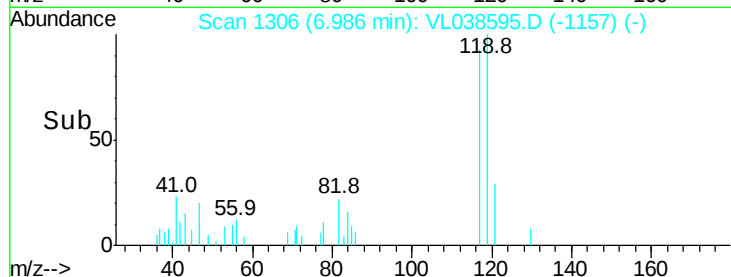
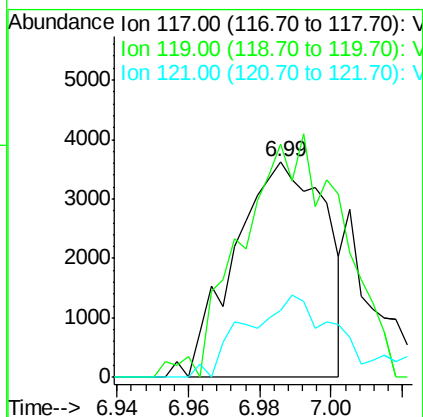
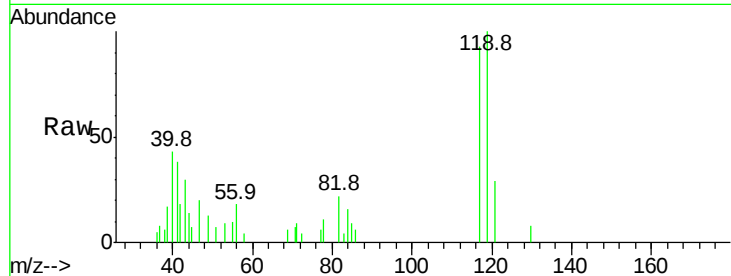
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





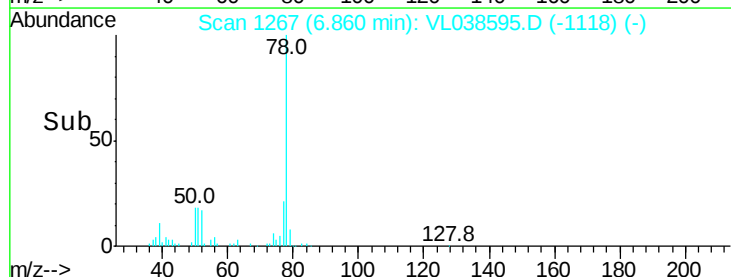
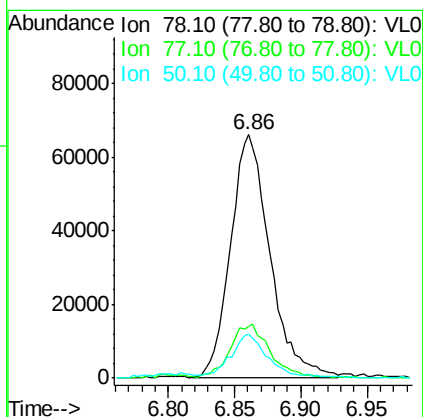
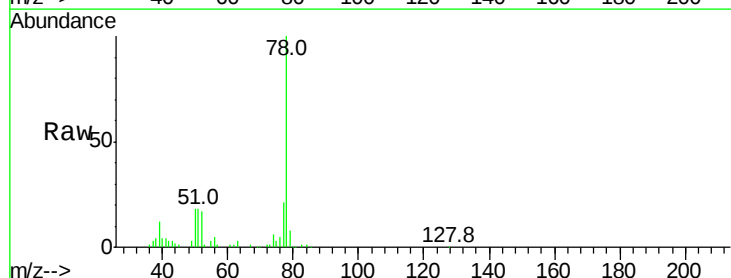
#35
Carbon Tetrachloride
Concen: 0.05 ppbv
RT: 6.99
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:15

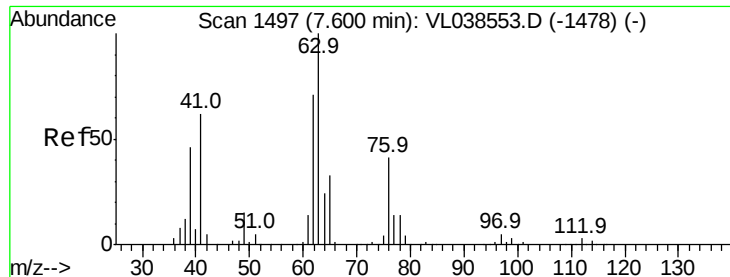
Tgt Ion: 117 Resp: 6365
Ion Ratio Lower Upper
117 100
119 98.0 75.2 112.8
121 31.2 24.8 37.2



#36
Benzene
Concen: 0.73 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.02 min
Lab File: VL038595.D
Acq: 14 Mar 2022 14:15

Tgt Ion: 78 Resp: 136151
Ion Ratio Lower Upper
78 100
77 20.5 19.0 28.4
50 17.4 13.9 20.9





#39

1,2-Dichloropropane

Concen: 6.84 ppbv

RT: 7.14 Instrument:

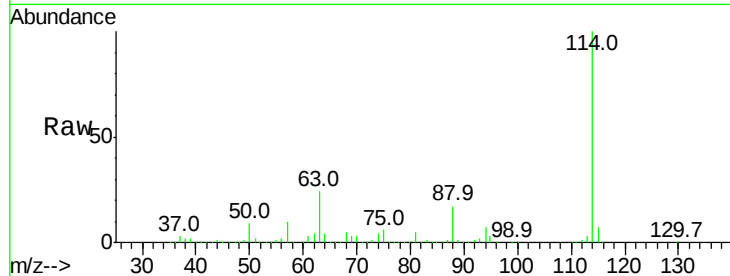
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 14:15

Tgt Ion: 63 Resp: 489195

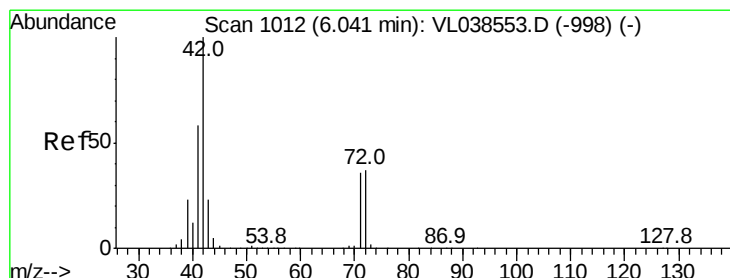
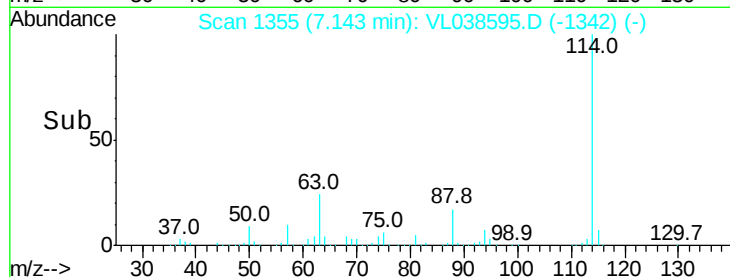
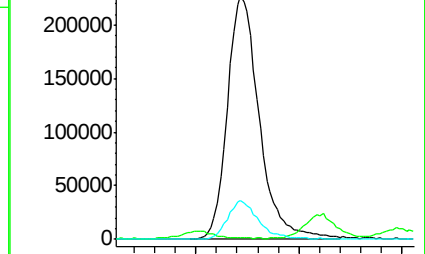
Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.1	56.7	85.1#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.06 ppbv

RT: 5.99 min Scan# 997

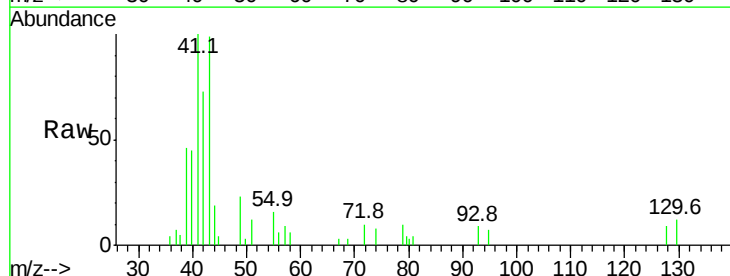
Delta R.T. -0.05 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

Tgt Ion: 42 Resp: 2478

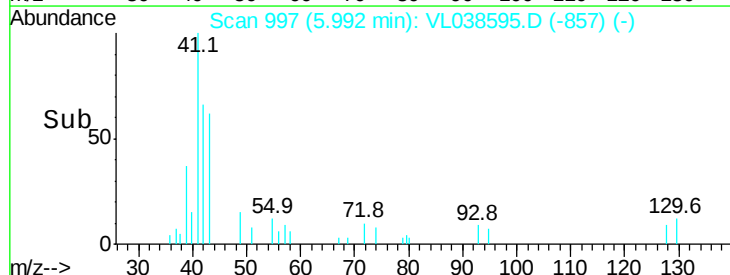
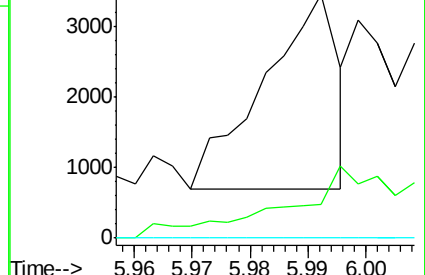
Ion	Ratio	Lower	Upper
42	100		
72	130.7	30.9	46.3#
71	34.8	29.1	43.7

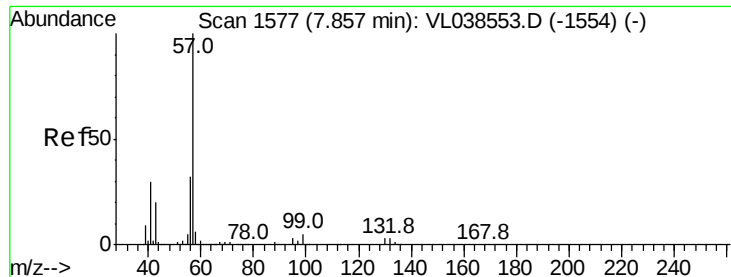


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.68 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 14:15

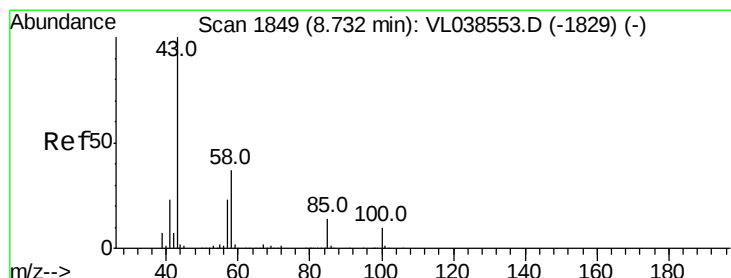
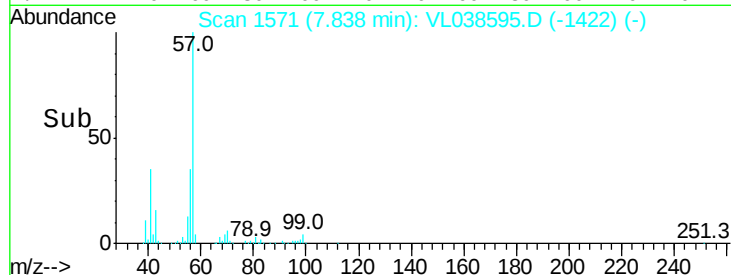
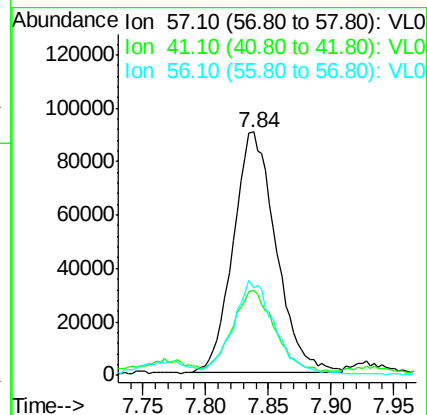
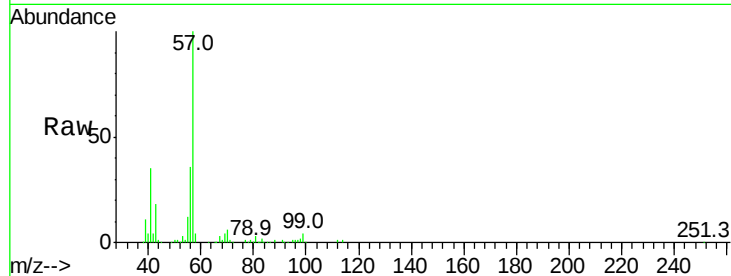
Tgt Ion: 57 Resp: 213825

Ion Ratio Lower Upper

57 100

41 37.4 24.0 36.0#

56 40.1 25.6 38.4#



#50

4-Methyl-2-Pentanone

Concen: 0.35 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL038595.D

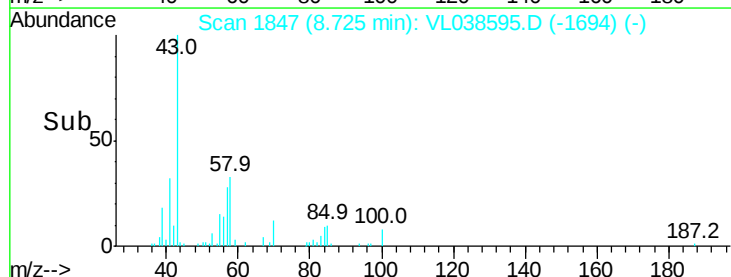
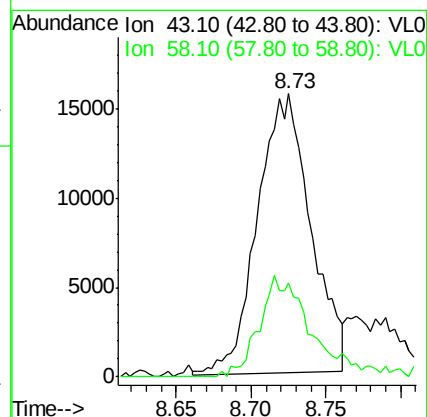
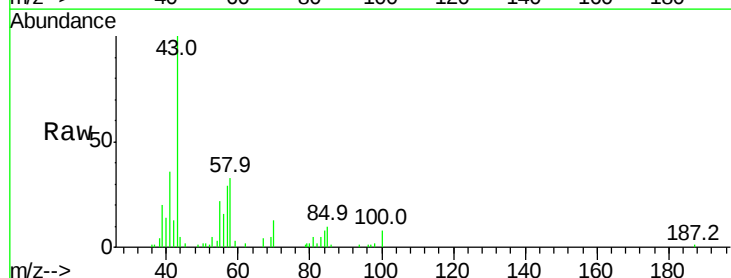
Acq: 14 Mar 2022 14:15

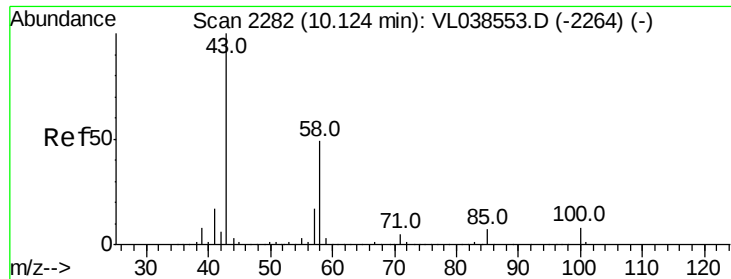
Tgt Ion: 43 Resp: 38673

Ion Ratio Lower Upper

43 100

58 35.9 29.2 43.8





#51

2-Hexanone

Concen: 6.50 ppbv

RT: 10.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Mar 2022 14:15

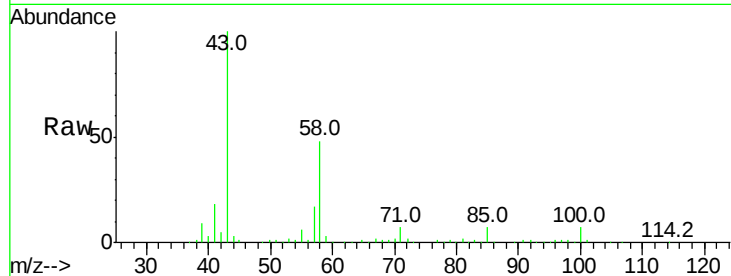
Tgt Ion: 43 Resp: 301073

Ion Ratio Lower Upper

43 100

58 46.3 40.1 60.1

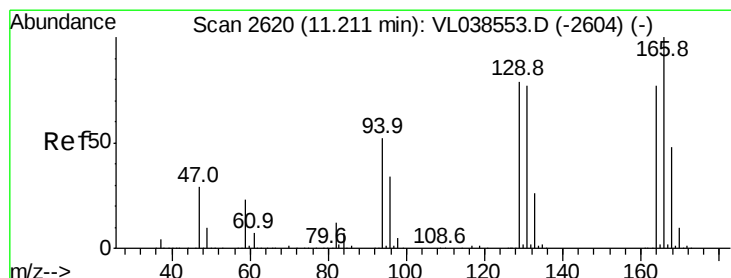
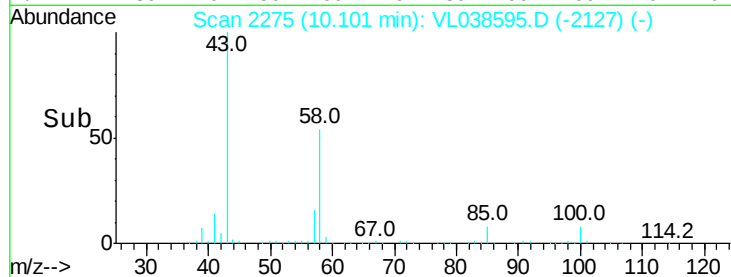
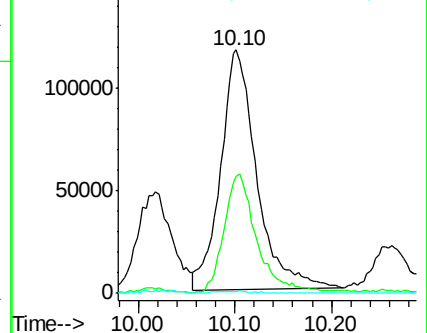
98 0.8 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.35 ppbv

RT: 11.19 min Scan# 2612

Delta R.T. -0.03 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

Tgt Ion: 164 Resp: 23955

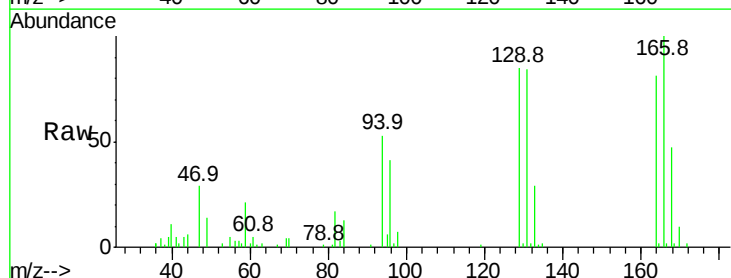
Ion Ratio Lower Upper

164 100

166 125.7 103.4 155.2

129 106.0 81.3 121.9

131 107.2 79.8 119.8

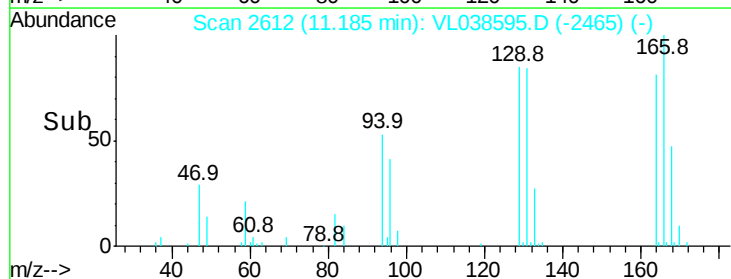
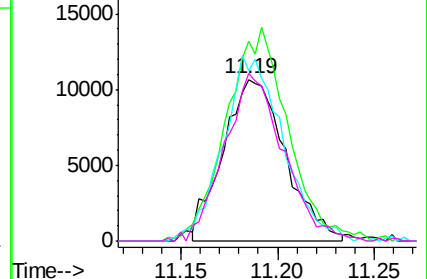


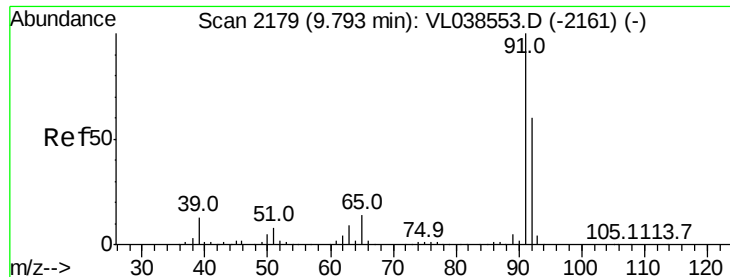
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 12.33 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

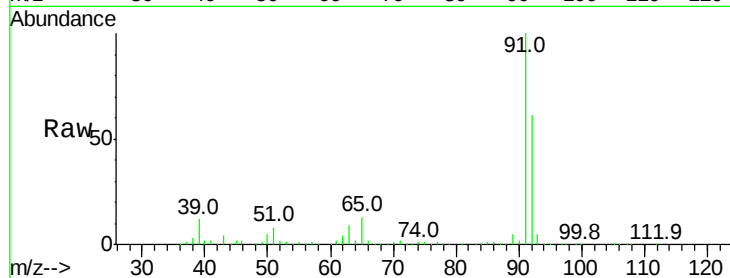
Acq: 14 Mar 2022 14:15

Tgt Ion: 91 Resp: 2449451

Ion Ratio Lower Upper

91 100

92 61.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.77

1200000

1000000

800000

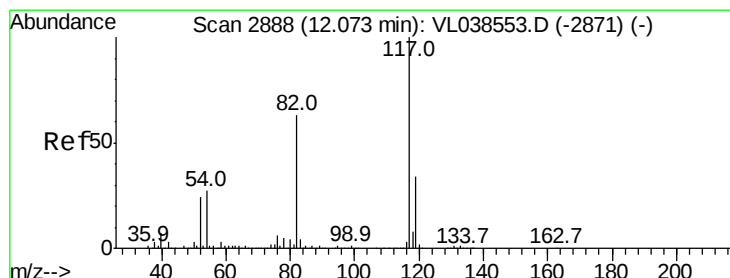
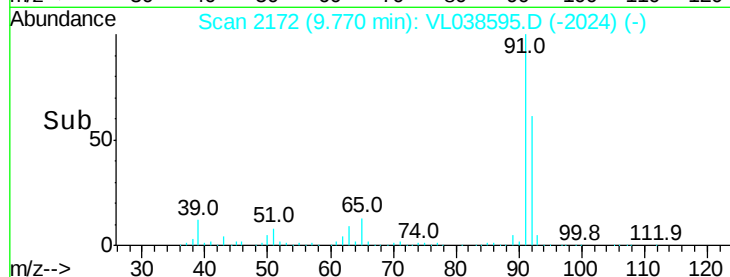
600000

400000

200000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.05 min Scan# 2880

Delta R.T. -0.03 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

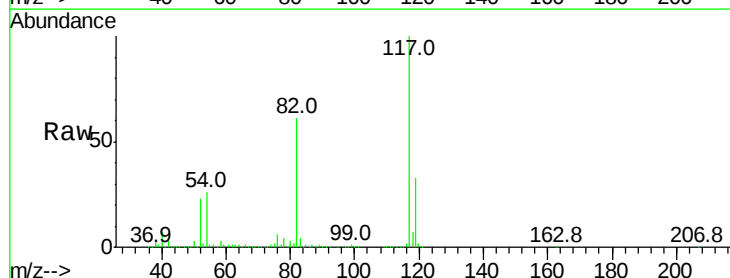
Tgt Ion: 117 Resp: 1948600

Ion Ratio Lower Upper

117 100

82 60.6 52.5 78.7

119 33.8 46.4 69.6#



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

1000000

800000

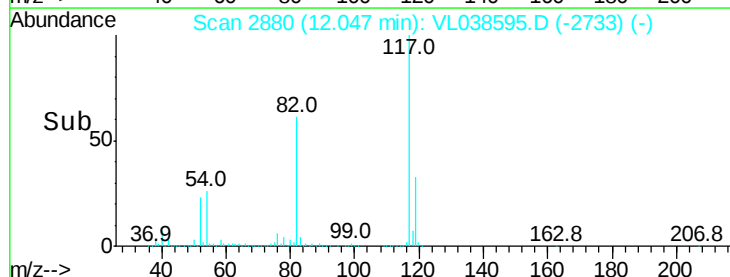
600000

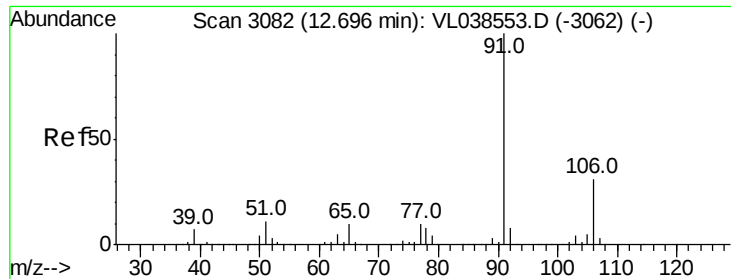
400000

200000

0

Time-->





#58

Ethyl Benzene

Concen: 2.69 ppbv

RT: 12.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

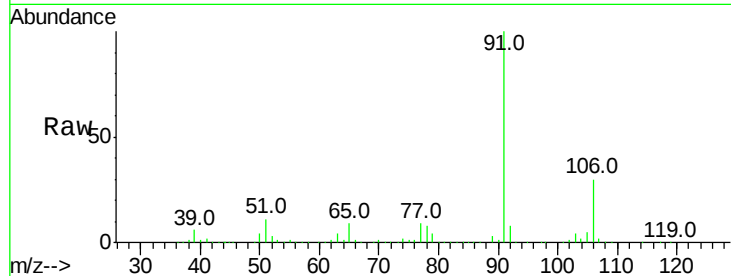
Acq: 14 Mar 2022 14:15

Tgt Ion: 91 Resp: 677733

Ion Ratio Lower Upper

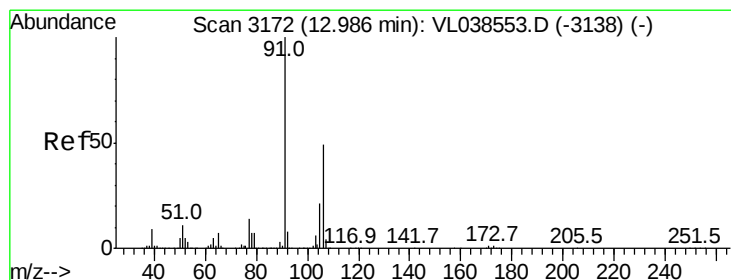
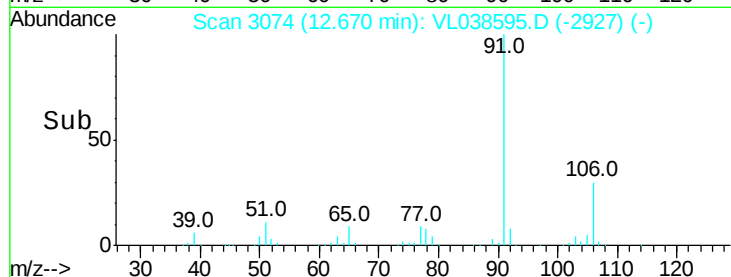
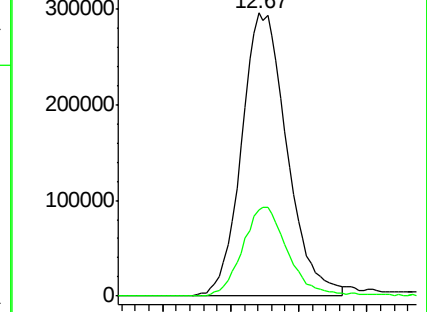
91 100

106 30.4 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 8.22 ppbv

RT: 12.93 min Scan# 3155

Delta R.T. -0.05 min

Lab File: VL038595.D

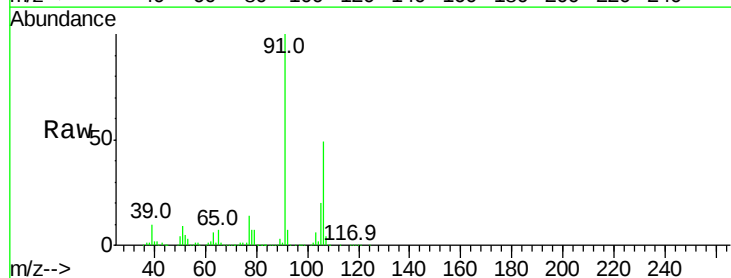
Acq: 14 Mar 2022 14:15

Tgt Ion: 91 Resp: 1775897

Ion Ratio Lower Upper

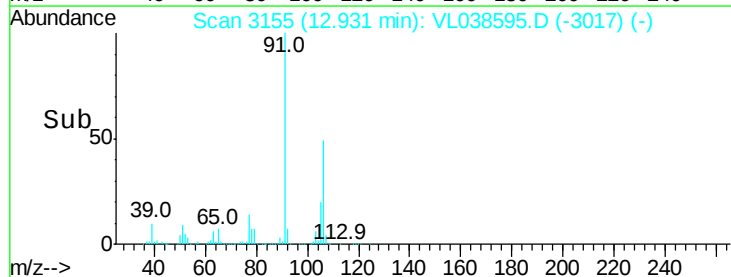
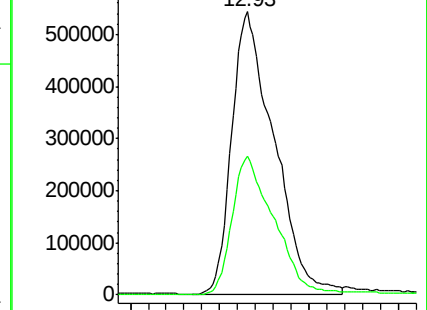
91 100

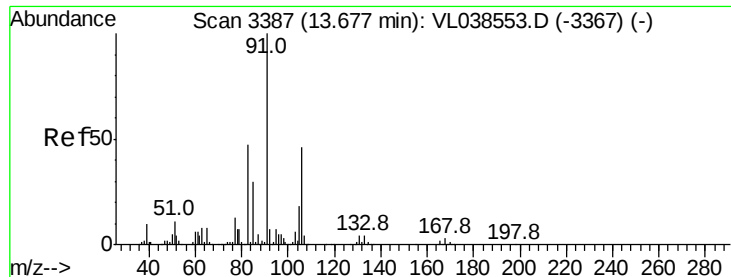
106 49.9 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 3.82 ppbv

RT: 13.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

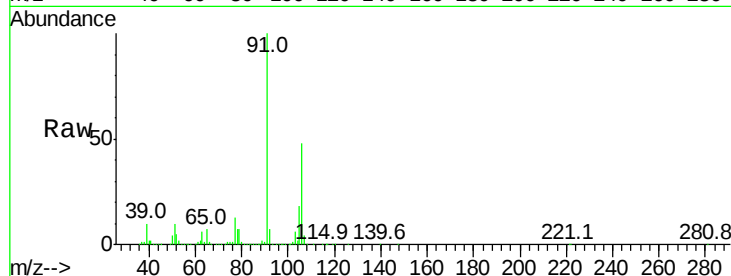
Acq: 14 Mar 2022 14:15

Tgt Ion: 91 Resp: 778263

Ion Ratio Lower Upper

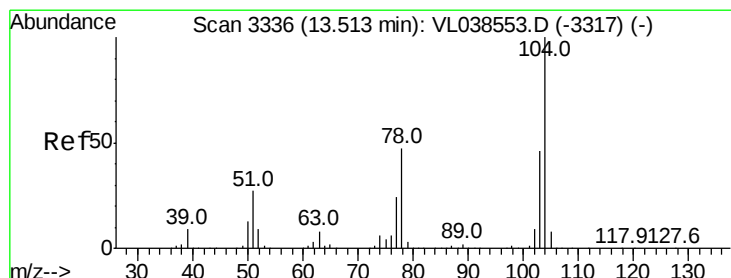
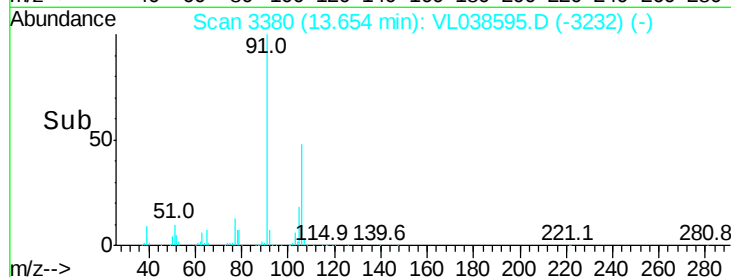
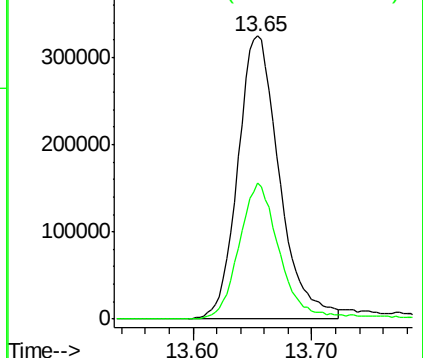
91 100

106 49.1 23.5 70.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.03 ppbv

RT: 13.49 min Scan# 3329

Delta R.T. -0.02 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

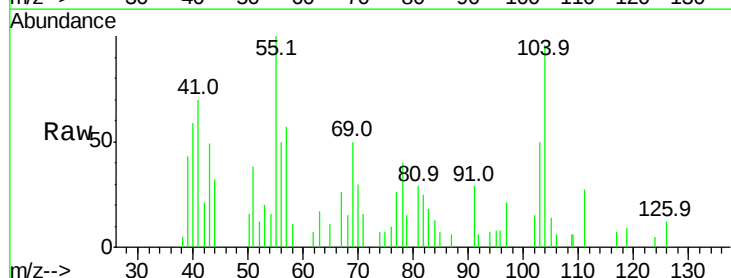
Tgt Ion: 104 Resp: 3316

Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.4#

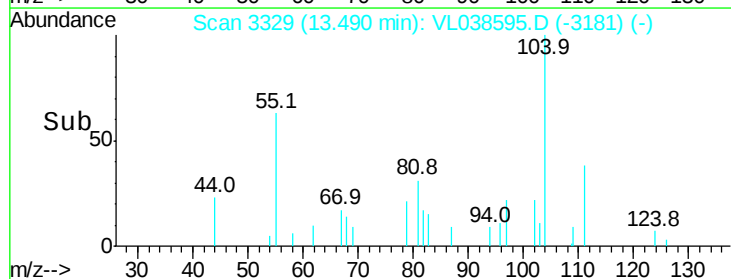
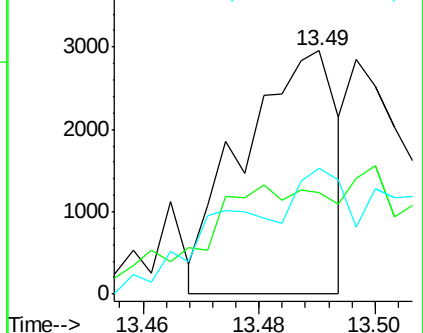
103 120.0 38.0 57.0#

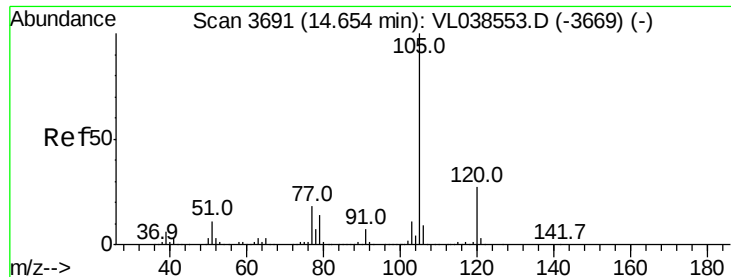


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.18 ppbv

RT: 14.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

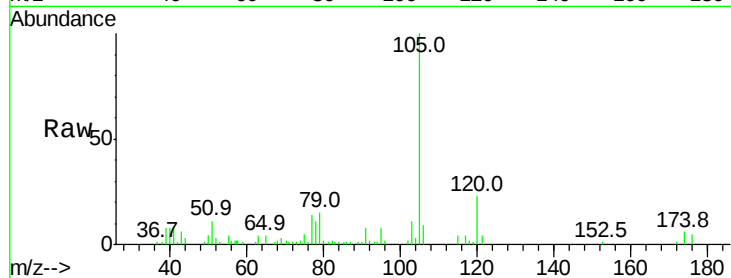
Acq: 14 Mar 2022 14:15

Tgt Ion:105 Resp: 51202

Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

25000

20000

15000

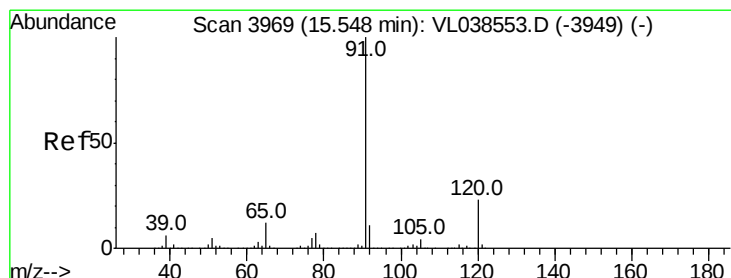
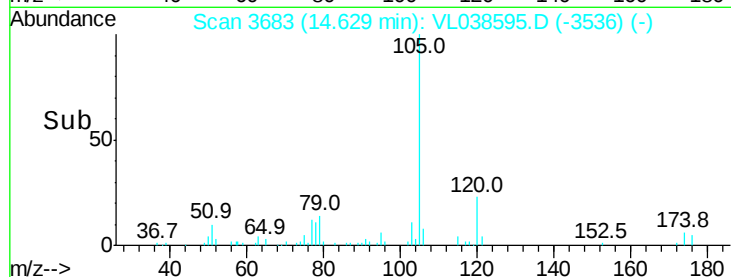
10000

5000

0

14.55 14.60 14.65 14.70

Time-->



#64

n-propylbenzene

Concen: 0.80 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.03 min

Lab File: VL038595.D

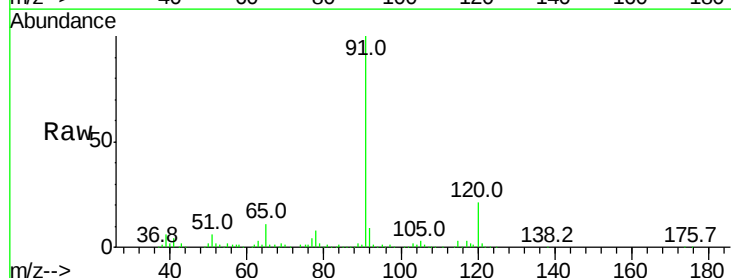
Acq: 14 Mar 2022 14:15

Tgt Ion:120 Resp: 57278

Ion Ratio Lower Upper

120 100

91 516.8 374.2 561.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

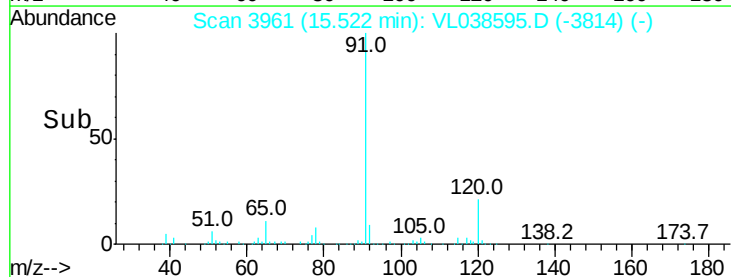
100000

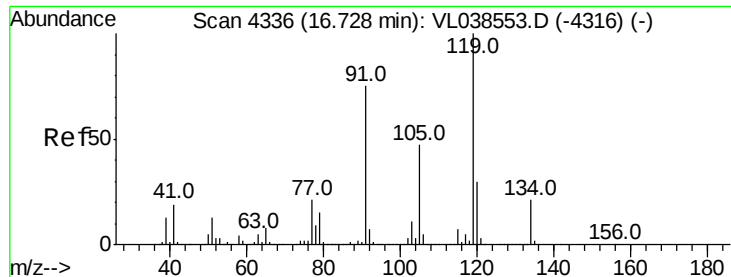
50000

0

15.45 15.50 15.55 15.60

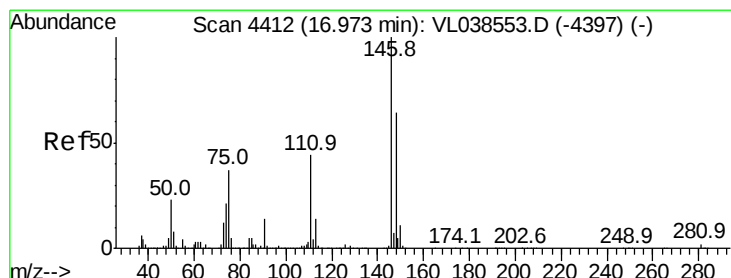
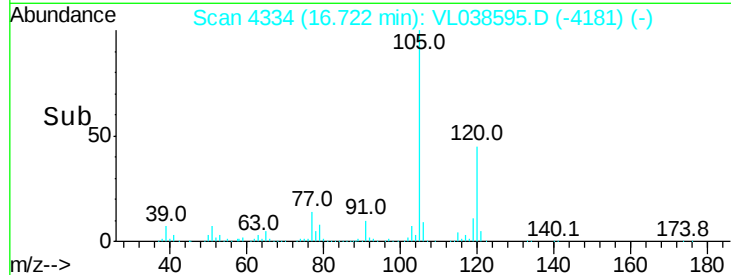
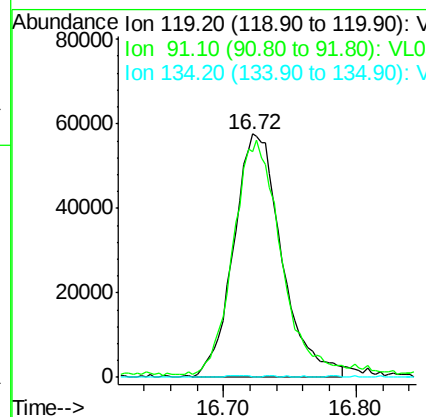
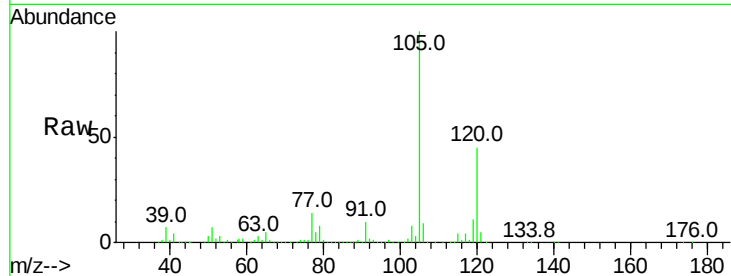
Time-->





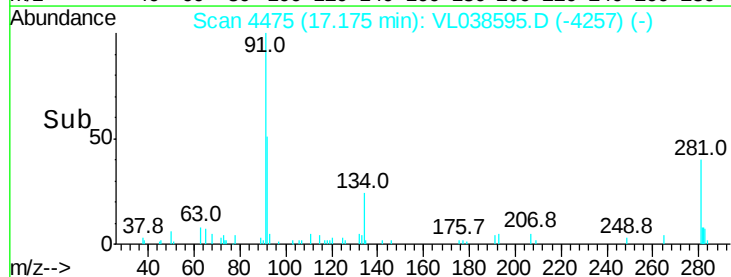
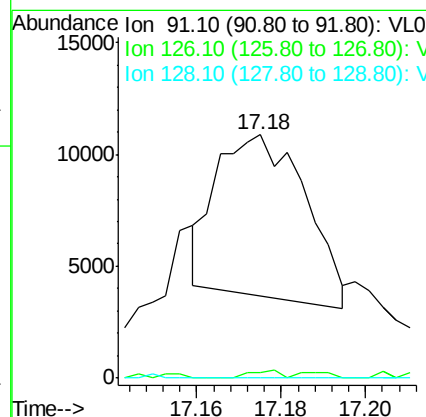
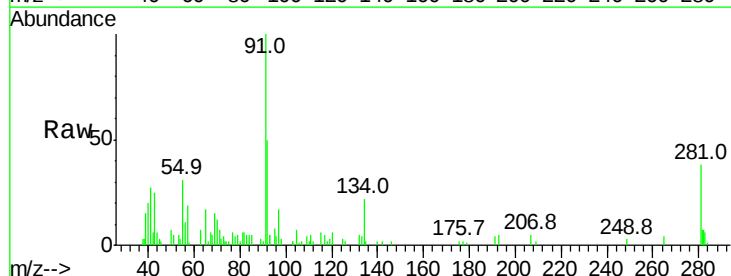
#65
 tert-Butylbenzene
 Concen: 0.58 ppbv
 RT: 16.72 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 14 Mar 2022 14:15

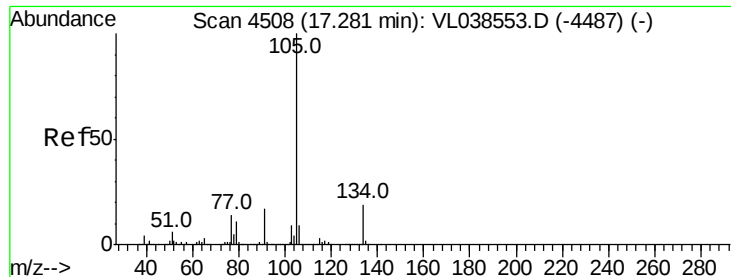
Tgt Ion: 119 Resp: 145583
 Ion Ratio Lower Upper
 119 100
 91 97.4 61.2 91.8#
 134 0.3 16.2 24.2#



#66
 Benzyl Chloride
 Concen: 0.70 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.20 min
 Lab File: VL038595.D
 Acq: 14 Mar 2022 14:15

Tgt Ion: 91 Resp: 10484
 Ion Ratio Lower Upper
 91 100
 126 28.8 14.1 21.1#
 128 7.0 5.1 7.7





#67

sec-Butylbenzene

Concen: 0.06 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

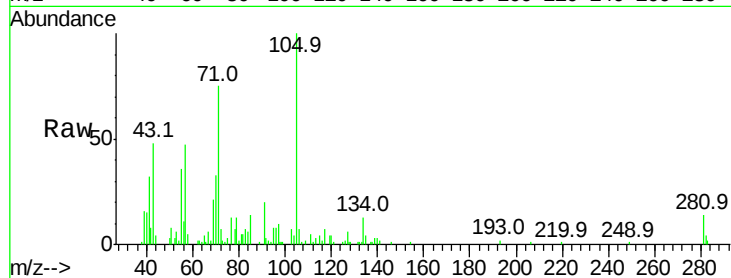
Acq: 14 Mar 2022 14:15

Tgt Ion: 105 Resp: 22419

Ion Ratio Lower Upper

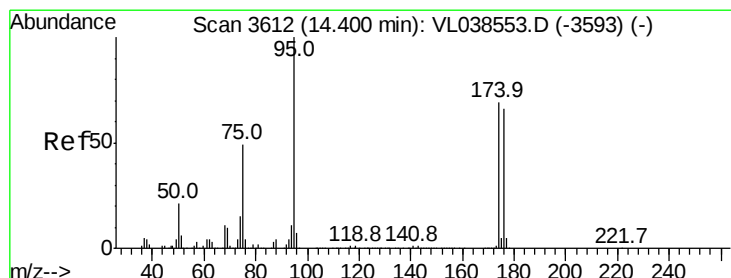
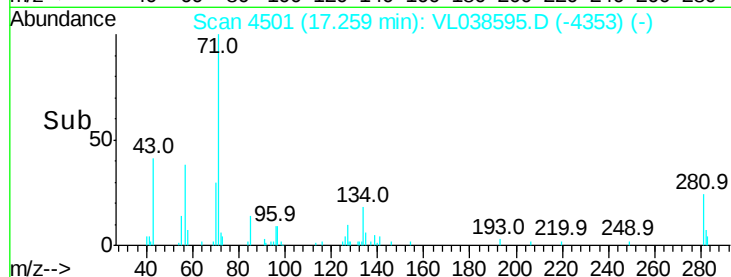
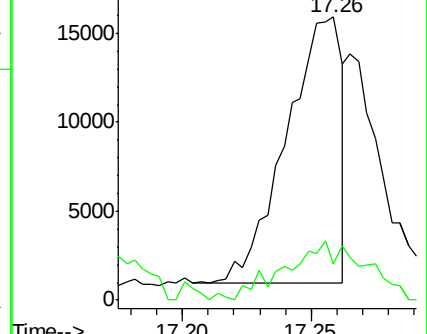
105 100

134 33.9 15.0 22.6#



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: 9.58 ppbv

RT: 14.38 min Scan# 3605

Delta R.T. -0.02 min

Lab File: VL038595.D

Acq: 14 Mar 2022 14:15

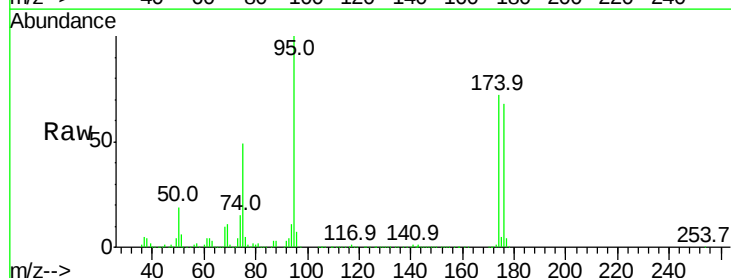
Tgt Ion: 95 Resp: 1418730

Ion Ratio Lower Upper

95 100

174 75.7 56.2 84.4

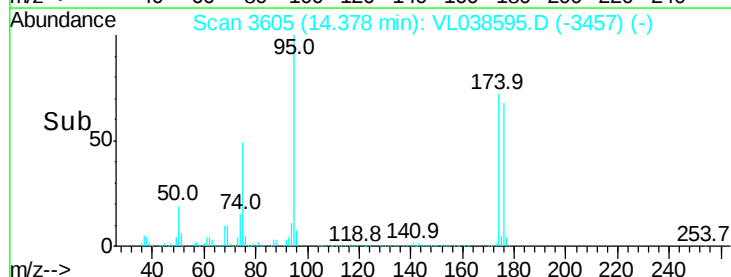
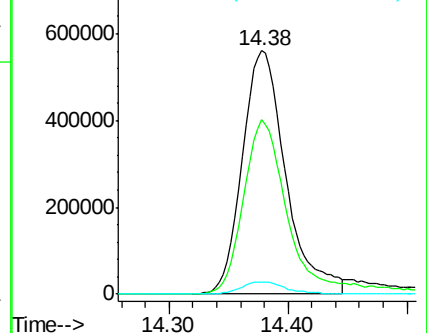
175 5.6 4.2 6.2

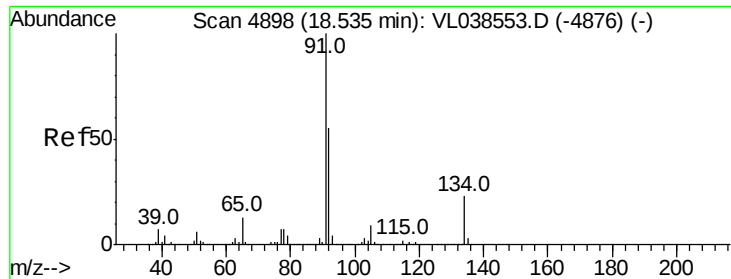


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

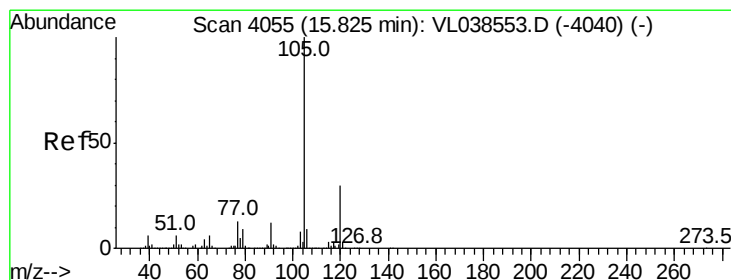
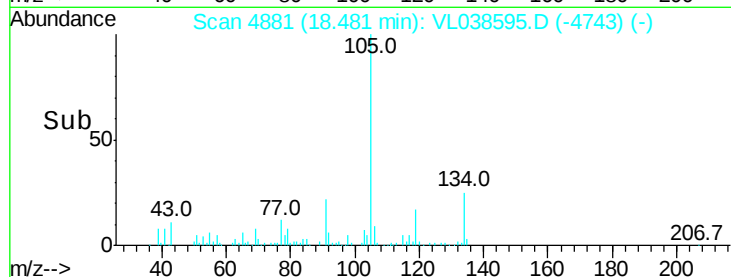
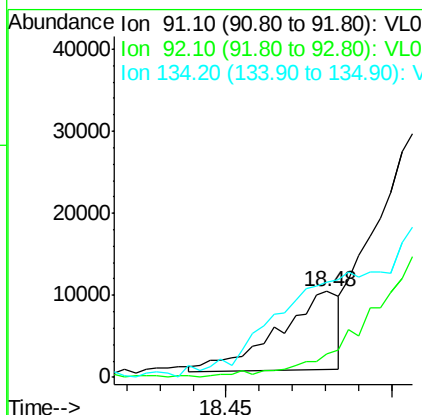
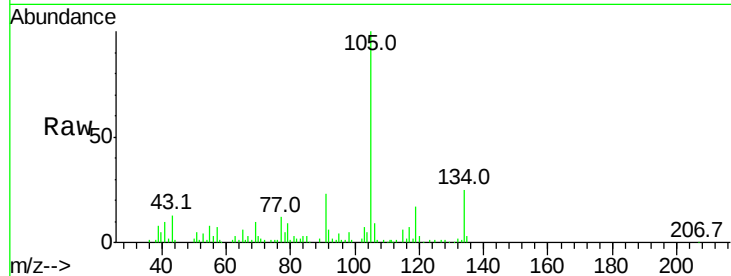
Ion 175.00 (174.70 to 175.70): V





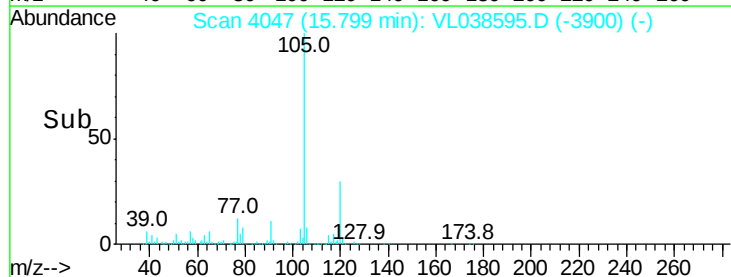
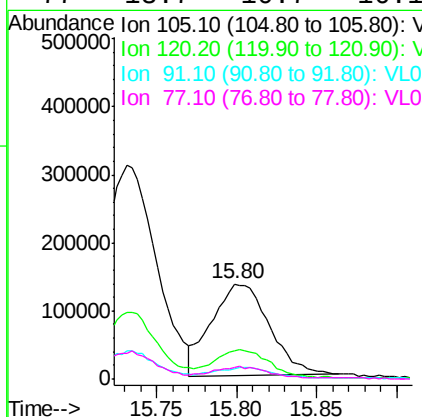
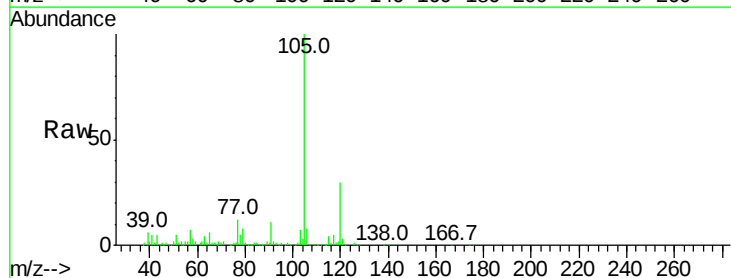
#70
n-Butylbenzene
Concen: 0.04 ppbv
RT: 18.48
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 14:15

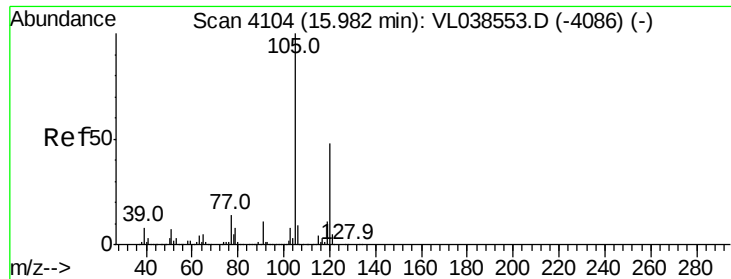
Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.8#
134	0.0	18.7	28.1#



#72
4-Ethyltoluene
Concen: 1.44 ppbv
RT: 15.80 min Scan# 4047
Delta R.T. -0.03 min
Lab File: VL038595.D
Acq: 14 Mar 2022 14:15

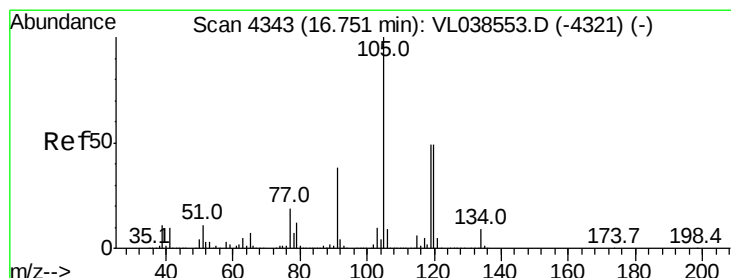
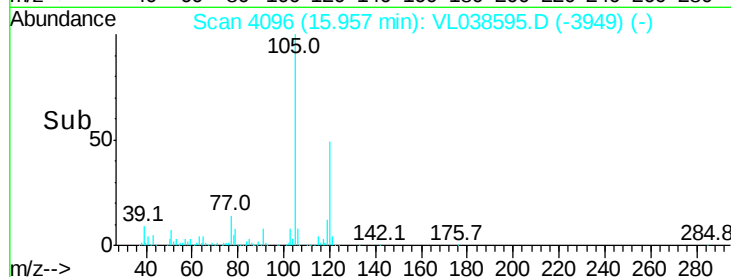
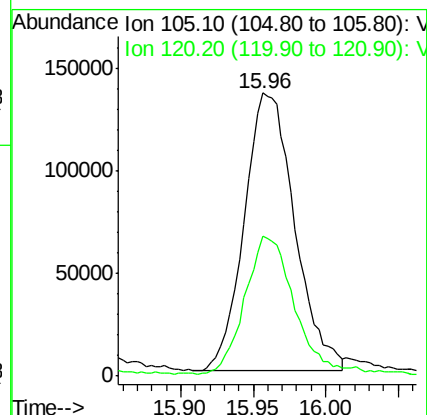
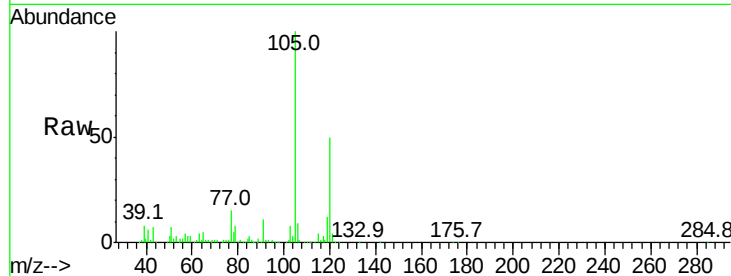
Tgt Ion	Ratio	Lower	Upper
105	100		
120	32.7	25.0	37.4
91	12.2	9.8	14.6
77	13.7	10.7	16.1





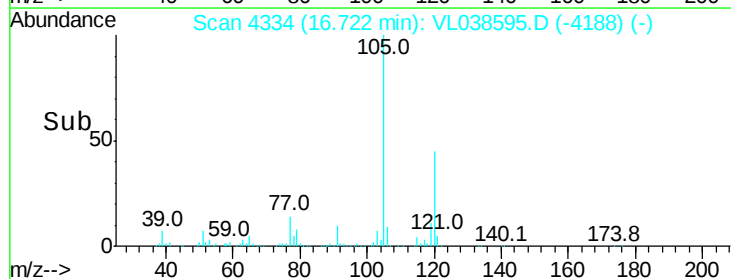
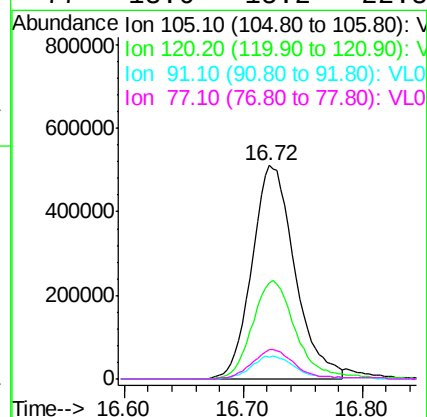
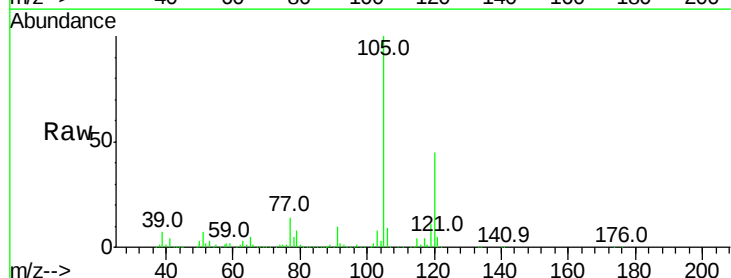
#73
 1,3,5-Trimethylbenzene
 Concen: 1.51 ppbv
 RT: 15.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SS-1
 Acq: 14 Mar 2022 14:15

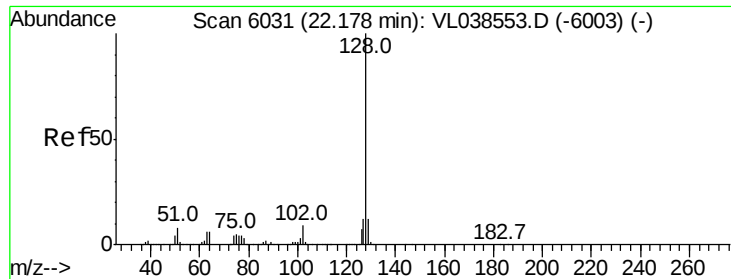
Tgt Ion:105 Resp: 328926
 Ion Ratio Lower Upper
 105 100
 120 49.5 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 5.47 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.03 min
 Lab File: VL038595.D
 Acq: 14 Mar 2022 14:15

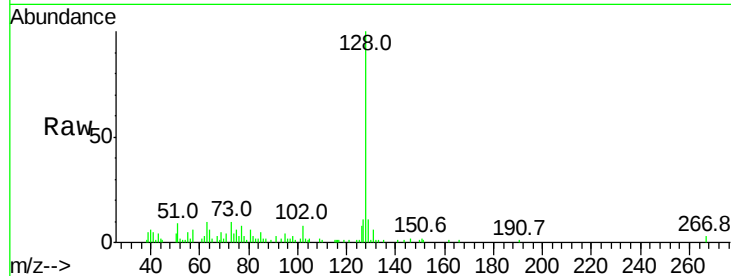
Tgt Ion:105 Resp: 1270200
 Ion Ratio Lower Upper
 105 100
 120 44.8 38.9 58.3
 91 10.3 30.6 46.0#
 77 13.6 15.2 22.8#



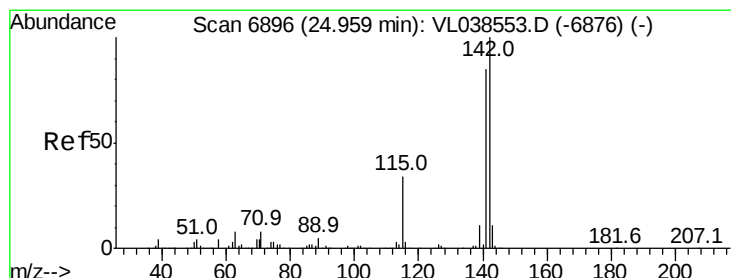
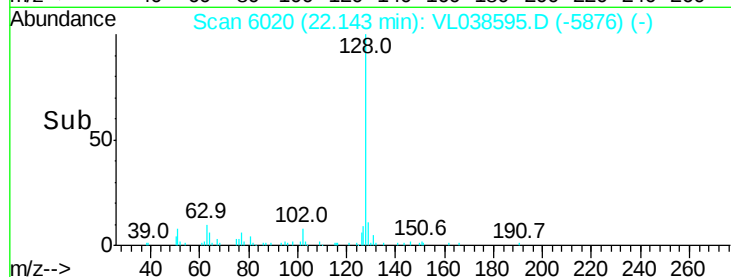
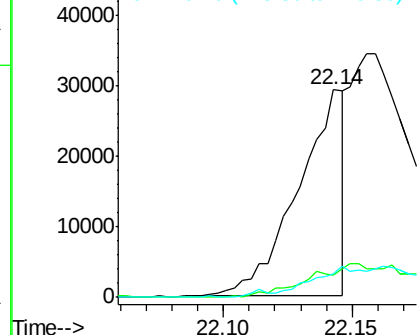


#79
Naphthalene
Concen: 0.17 ppbv
RT: 22.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 14 Mar 2022 14:15

Tgt Ion:	128	Resp:	36242
Ion Ratio	Lower	Upper	
128	100		
127	10.1	9.9	14.9
129	11.4	9.3	13.9

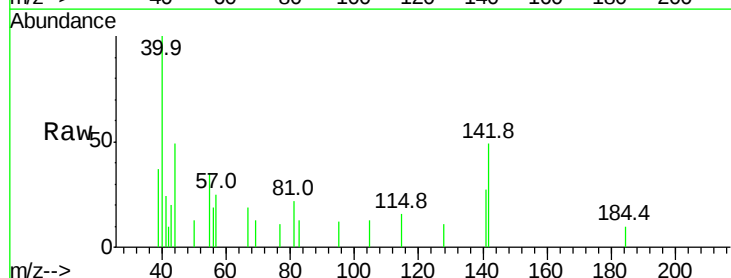


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 0.04 ppbv
RT: 25.26 min Scan# 6989
Delta R.T. 0.30 min
Lab File: VL038595.D
Acq: 14 Mar 2022 14:15

Tgt Ion:	142	Resp:	1426
Ion Ratio	Lower	Upper	
142	100		
141	73.6	68.4	102.6
115	37.4	27.9	41.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

