

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
 Data File : VL038698.D
 Acq On : 23 Mar 2022 00:23
 Operator : SY/AP
 Sample : N1961-16
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P79

Quant Time: Mar 23 04:16:51 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	824552	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2243717	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2030906	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1478629	9.50	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	19942	0.18	ppbv	93
3) Chlorodifluoromethane	2.98	51	100256	1.15	ppbv #	90
4) Chloromethane	3.13	50	24773	0.52	ppbv	94
7) Chloroethane	3.55	64	1463	0.09	ppbv #	88
9) Propene	3.02	41	308499	7.34	ppbv #	64
10) Heptane	8.10	43	4393	0.04	ppbv #	26
11) Trichlorofluoromethane	3.94	101	20696	0.21	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4398	0.06	ppbv	87
13) Ethanol	3.59	45	348825	75.21	ppbv	99
15) Acetone	3.83	43	669635	9.41	ppbv #	67
16) 1,3-Butadiene	3.30	39	76644	1.90	ppbv #	14
17) tert-Butyl alcohol	4.28	59	57753	0.93	ppbv #	73
19) Isopropyl Alcohol	3.96	45	290282	7.36	ppbv #	1
20) Methylene Chloride	4.33	84	545907	18.22	ppbv	96
21) Allyl Chloride	4.58	41	45166	0.88	ppbv #	76
22) trans-1,2-Dichloroethene	4.87	96	1562	0.04	ppbv #	69
23) Vinyl Acetate	5.04	43	235273	3.41	ppbv #	1
25) Ethyl Acetate	5.67	43	700240	3.91	ppbv #	89
26) Hexane	5.67	57	653544	8.15	ppbv #	54
27) Carbon Disulfide	4.54	76	19566	0.25	ppbv #	77
29) Chloroform	5.74	83	4094	0.03	ppbv #	77
30) Cyclohexane	7.11	84	475213	6.82	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	66295	0.88	ppbv	96
34) 2-Butanone	5.23	43	963922	10.85	ppbv	100
35) Carbon Tetrachloride	7.00	117	7878	0.06	ppbv	87
36) Benzene	6.87	78	15409	0.09	ppbv	97
37) 1,2-Dichloroethane	6.29	62	2568	0.03	ppbv #	80
38) Trichloroethene	7.82	130	30777	0.42	ppbv	94
39) 1,2-Dichloropropane	7.16	63	503933	7.44	ppbv #	31
41) Tetrahydrofuran	6.04	42	27173	0.41	ppbv	93
44) 2,2,4-Trimethylpentane	7.85	57	117223	0.40	ppbv #	86
51) 2-Hexanone	10.13	43	39639	0.33	ppbv #	94
52) Tetrachloroethene	11.20	164	332244	5.24	ppbv	97
53) Toluene	9.79	91	12965839	69.68	ppbv	90
58) Ethyl Benzene	12.68	91	47738	0.20	ppbv	93
59) m/p-Xylene	12.97	91	43967	0.21	ppbv #	30
60) o-Xylene	13.67	91	62609	0.32	ppbv	98
61) Styrene	13.51	104	37127	0.35	ppbv	89
62) Isopropylbenzene	14.64	105	24482	0.08	ppbv	98
69) p-Isopropyltoluene	17.63	119	121034	0.39	ppbv	98
72) 4-Ethyltoluene	15.81	105	4798	0.02	ppbv #	49

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Quant Time: Mar 23 04:16:51 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

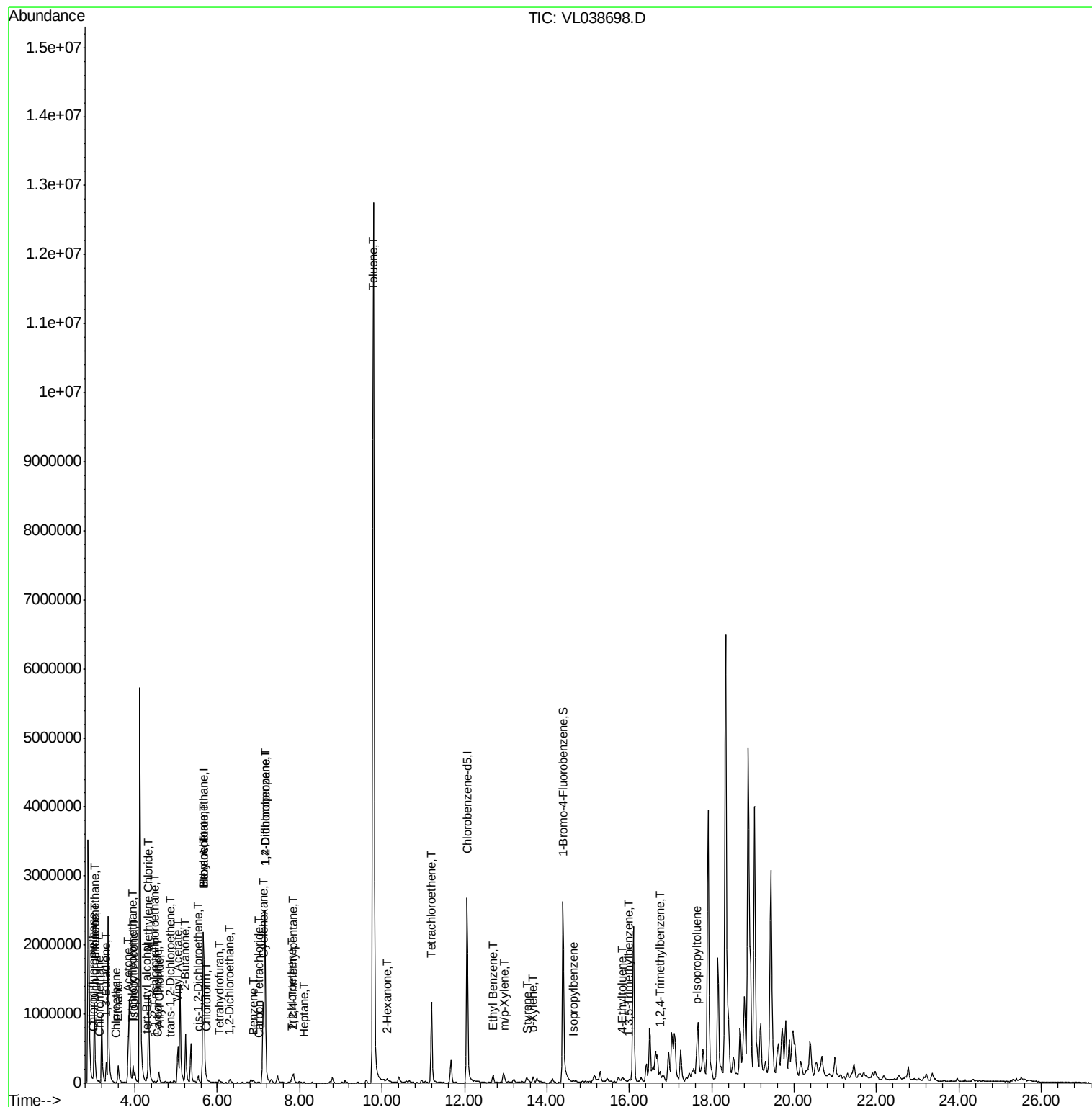
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.97	105	4640	0.02	ppbv	89
74) 1,2,4-Trimethylbenzene	16.74	105	29870	0.13	ppbv #	74

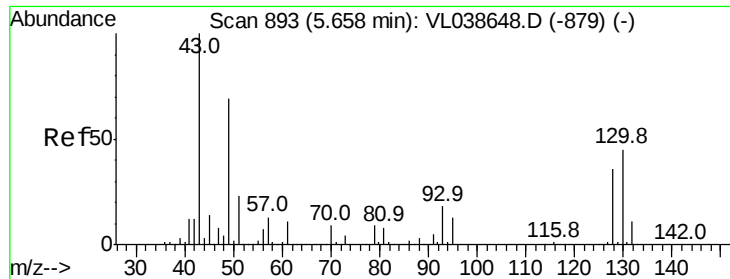
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0P79

Acq: 23 Mar 2022 00:23

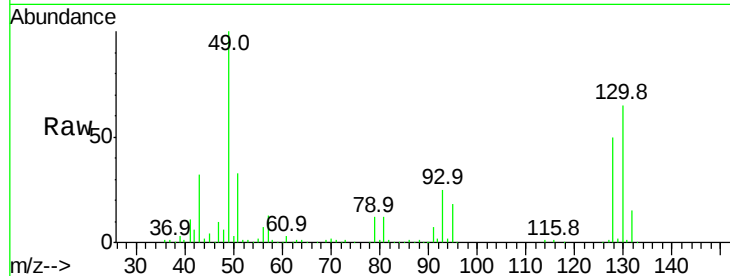
Tgt Ion: 49 Resp: 824552

Ion Ratio Lower Upper

49 100

128 53.8 26.2 78.6

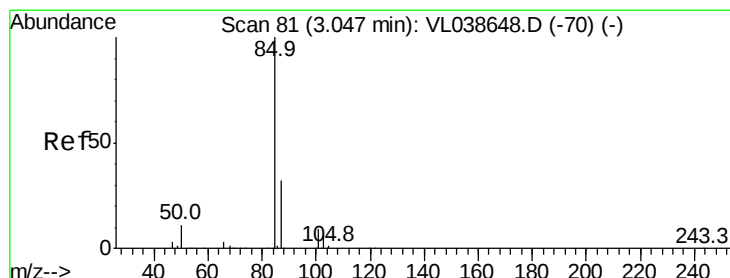
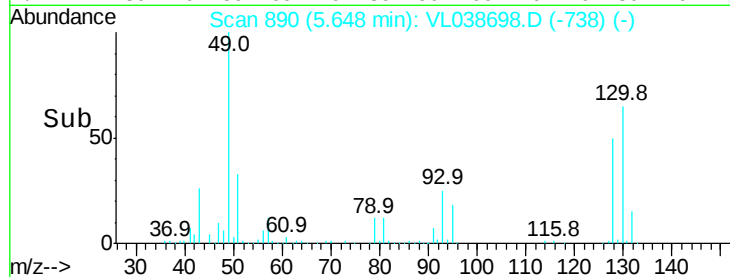
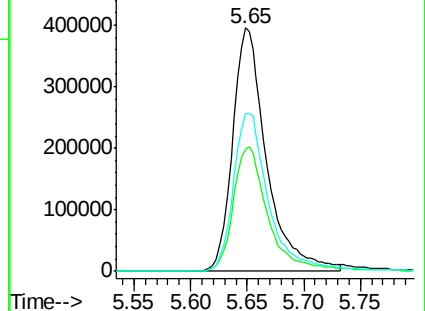
130 69.0 33.7 101.1



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: 0.18 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL038698.D

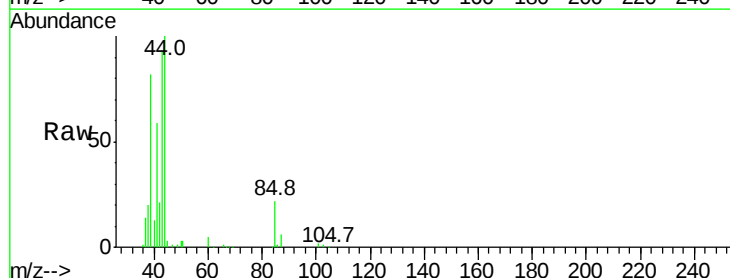
Acq: 23 Mar 2022 00:23

Tgt Ion: 85 Resp: 19942

Ion Ratio Lower Upper

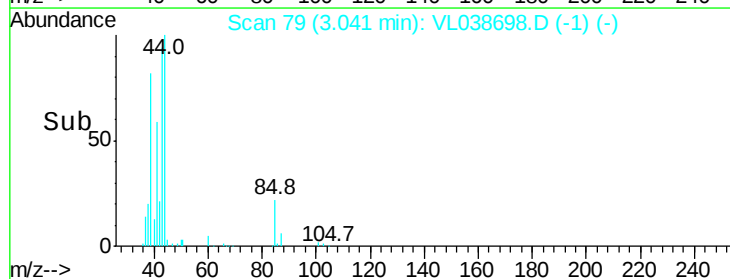
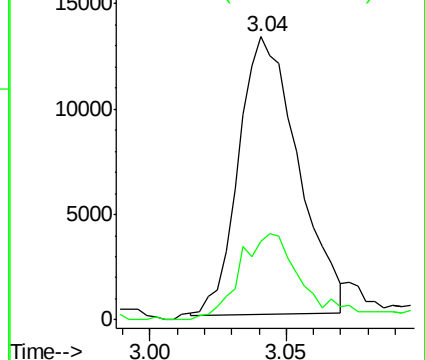
85 100

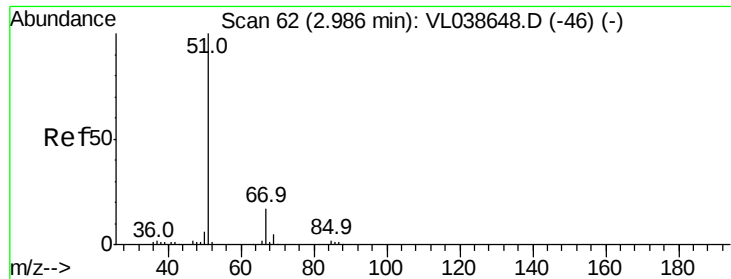
87 28.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.15 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP79

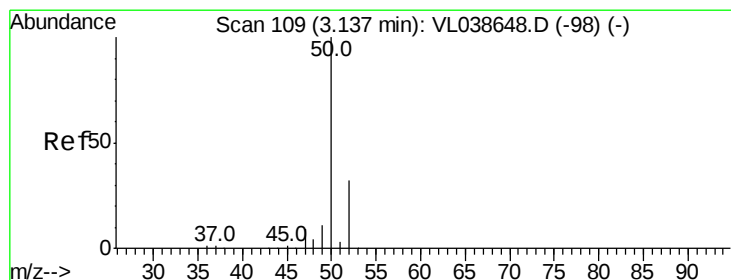
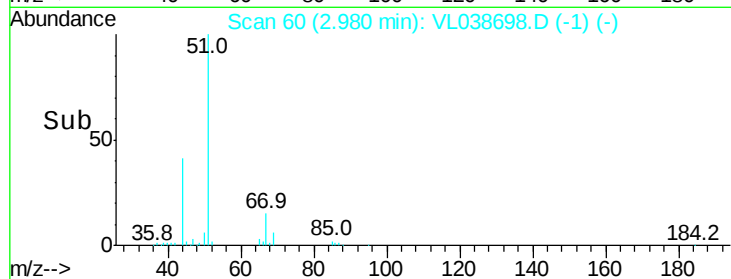
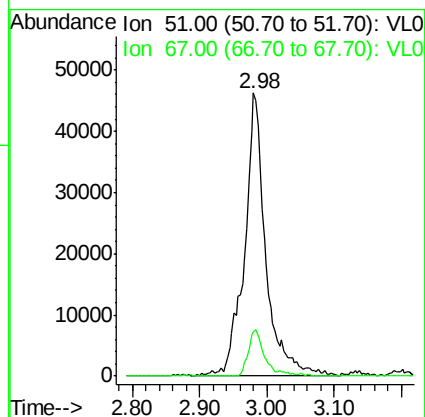
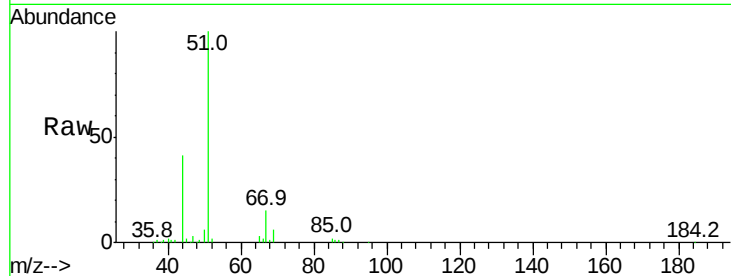
Acq: 23 Mar 2022 00:23

Tgt Ion: 51 Resp: 100256

Ion Ratio Lower Upper

51 100

67 13.2 14.1 21.1#



#4

Chloromethane

Concen: 0.52 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL038698.D

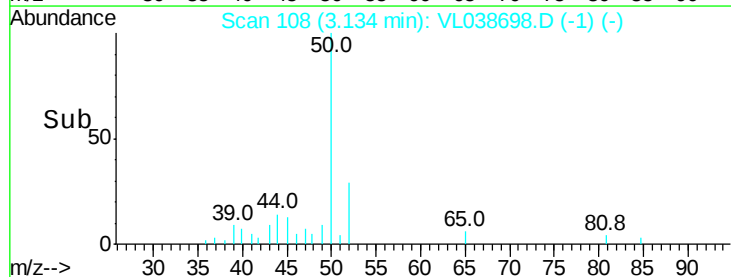
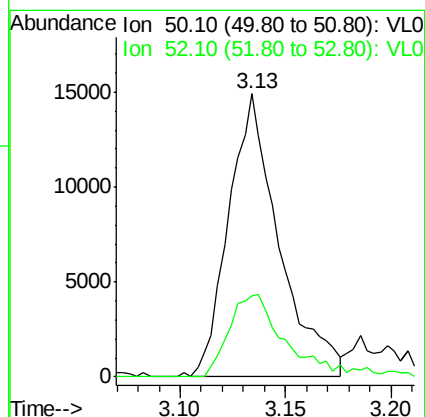
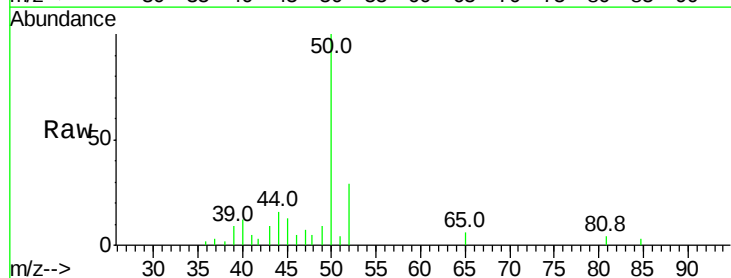
Acq: 23 Mar 2022 00:23

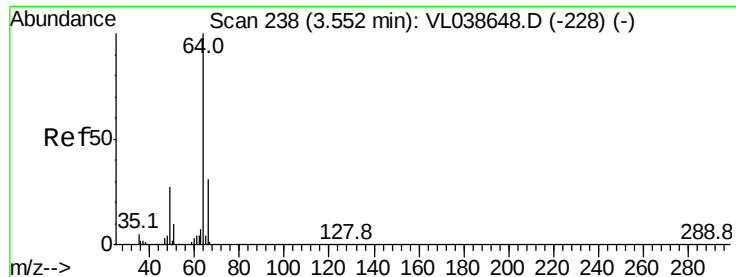
Tgt Ion: 50 Resp: 24773

Ion Ratio Lower Upper

50 100

52 28.8 25.5 38.3





#7

Chloroethane

Concen: 0.09 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

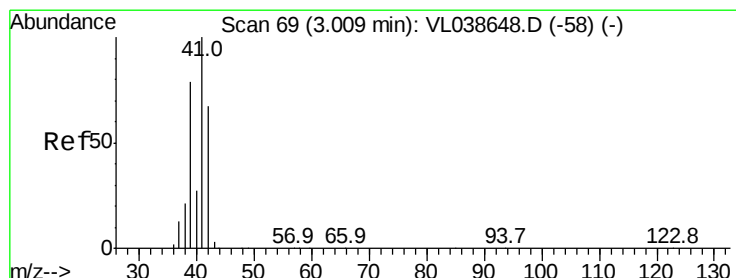
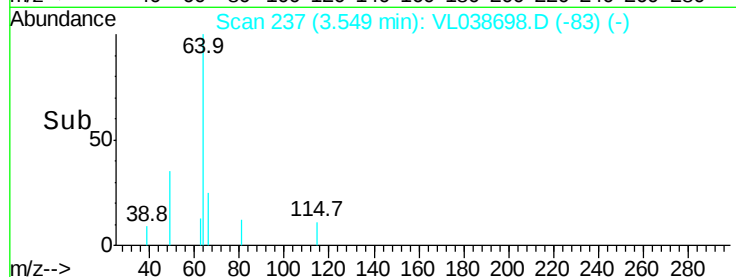
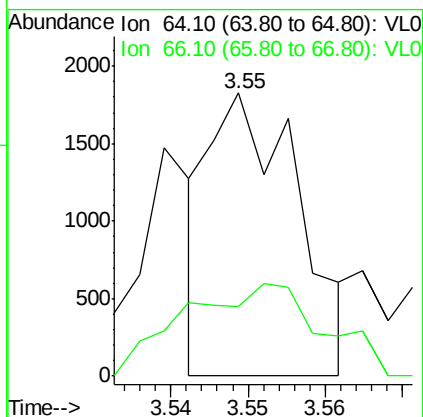
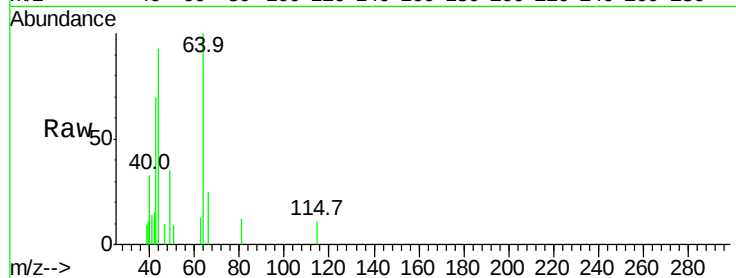
Acq: 23 Mar 2022 00:23

Tgt Ion: 64 Resp: 1463

Ion Ratio Lower Upper

64 100

66 24.5 25.0 37.6#



#9

Propene

Concen: 7.34 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038698.D

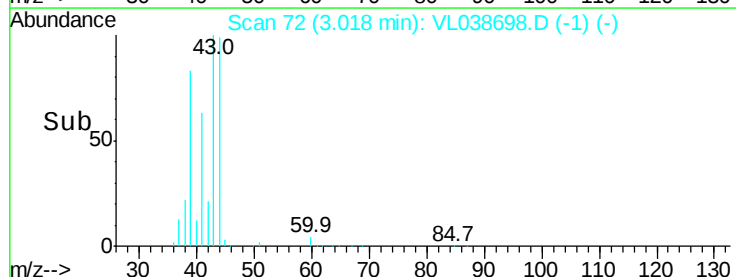
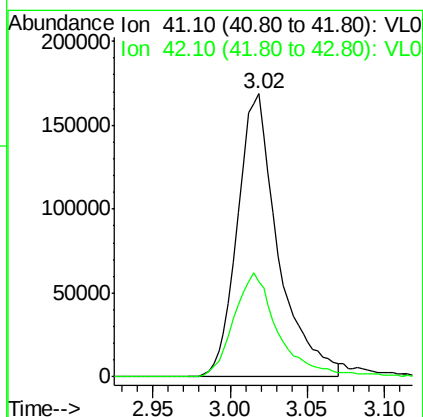
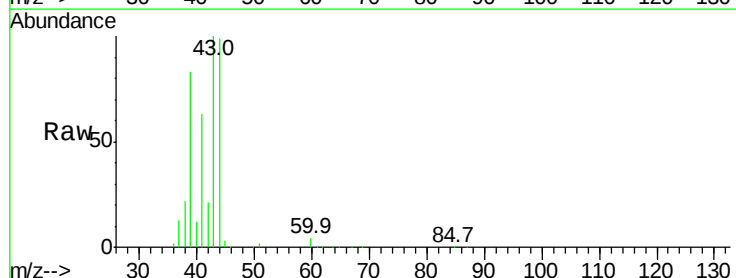
Acq: 23 Mar 2022 00:23

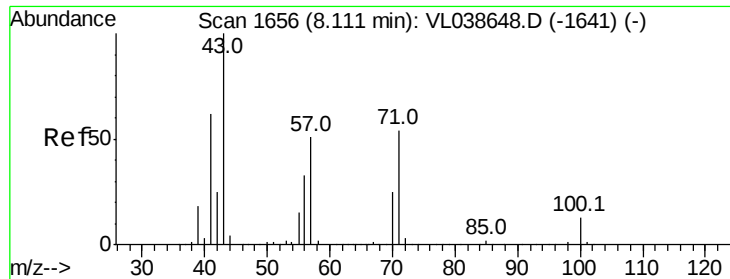
Tgt Ion: 41 Resp: 308499

Ion Ratio Lower Upper

41 100

42 40.8 56.2 84.4#





#10

Heptane

Concen: 0.04 ppbv

RT: 8.10 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

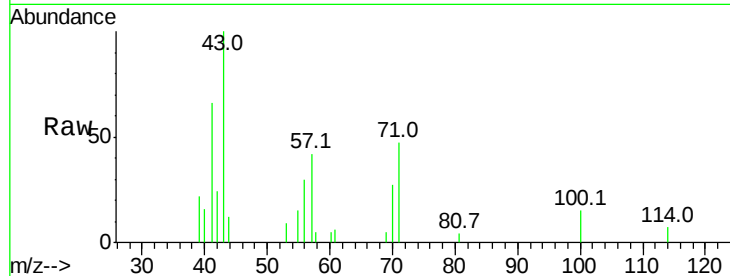
Acq: 23 Mar 2022 00:23

Tgt Ion: 43 Resp: 4393

Ion Ratio Lower Upper

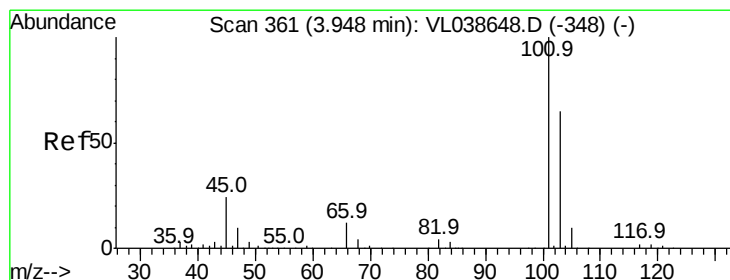
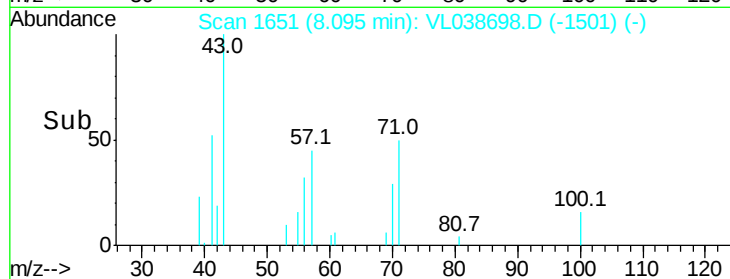
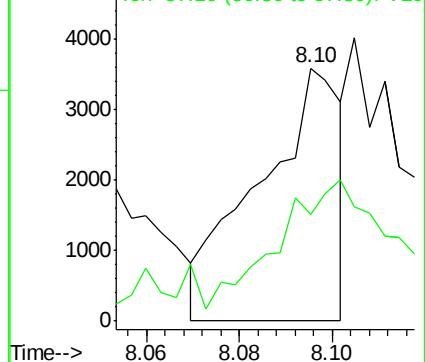
43 100

57 0.0 41.4 62.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.21 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL038698.D

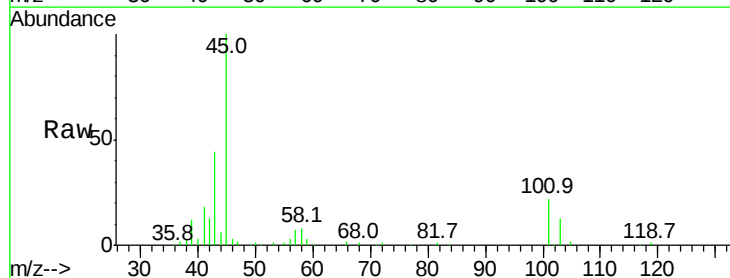
Acq: 23 Mar 2022 00:23

Tgt Ion: 101 Resp: 20696

Ion Ratio Lower Upper

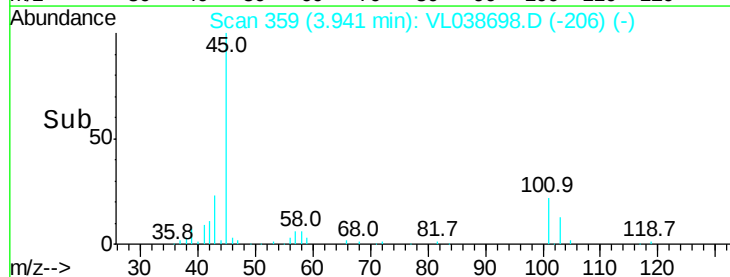
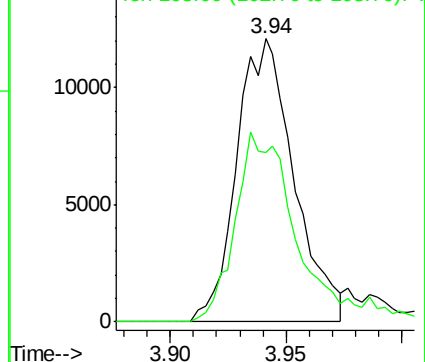
101 100

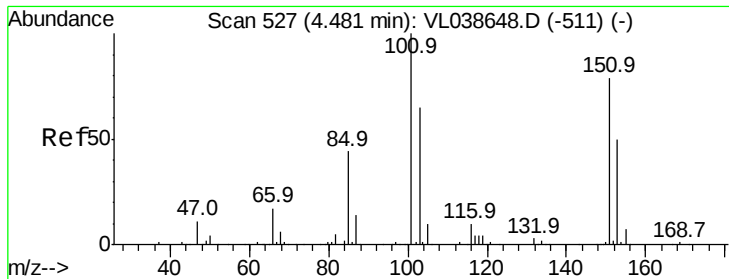
103 59.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

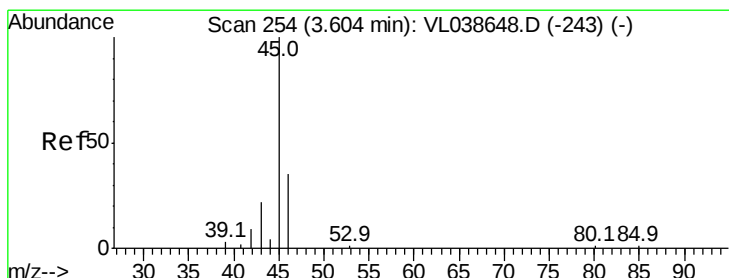
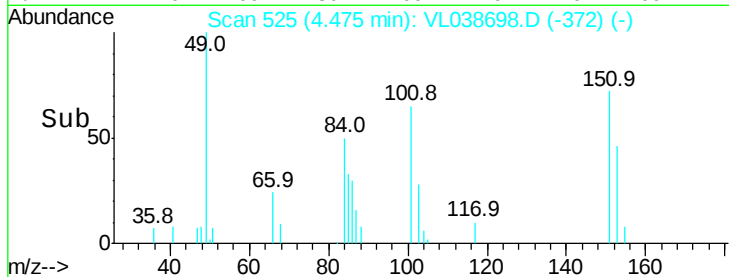
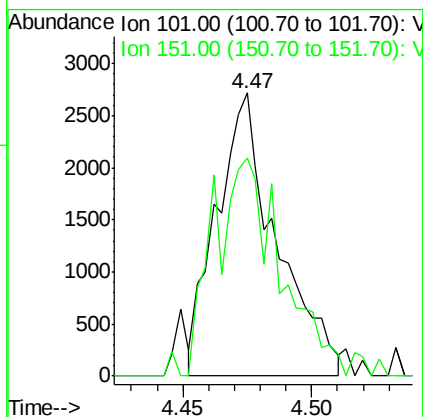
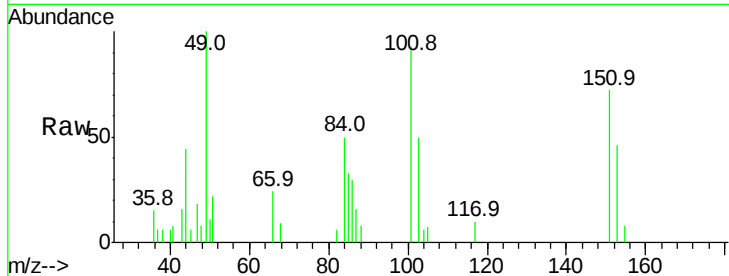
Ion 103.00 (102.70 to 103.70): V





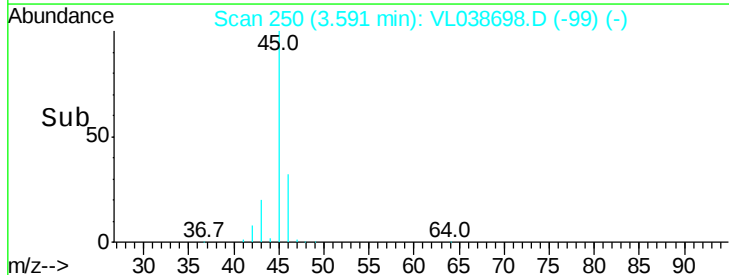
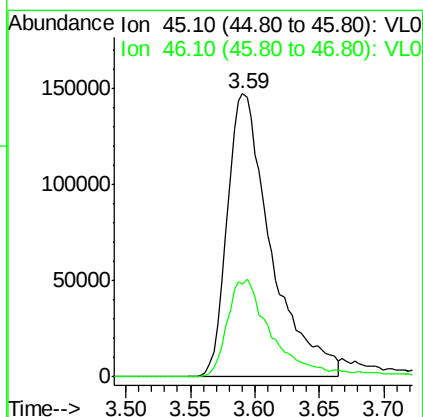
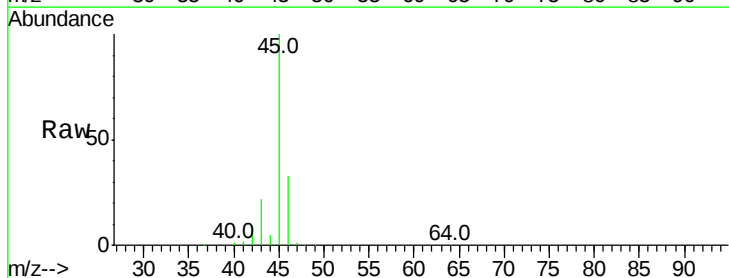
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.06 ppbv
 RT: 4.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 00:23

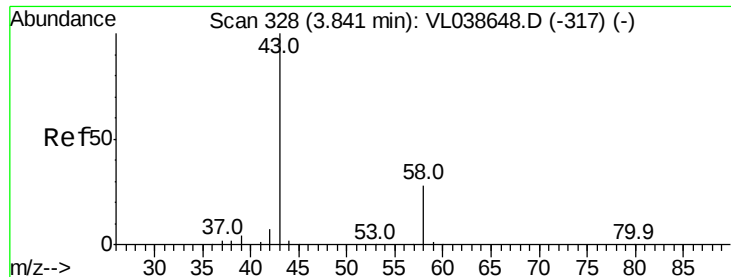
Tgt Ion: 101 Resp: 4398
 Ion Ratio Lower Upper
 101 100
 151 89.6 62.9 94.3



#13
 Ethanol
 Concen: 75.21 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VL038698.D
 Acq: 23 Mar 2022 00:23

Tgt Ion: 45 Resp: 348825
 Ion Ratio Lower Upper
 45 100
 46 37.2 15.1 60.5





#15

Acetone

Concen: 9.41 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

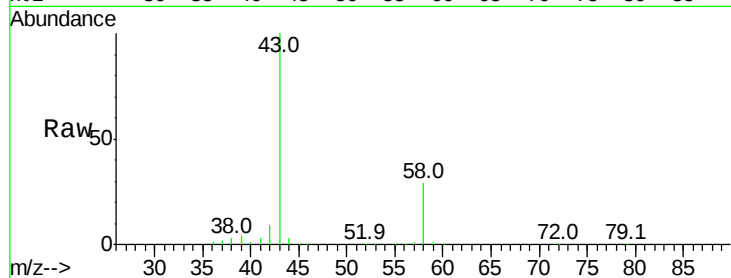
Acq: 23 Mar 2022 00:23

Tgt Ion: 43 Resp: 669635

Ion Ratio Lower Upper

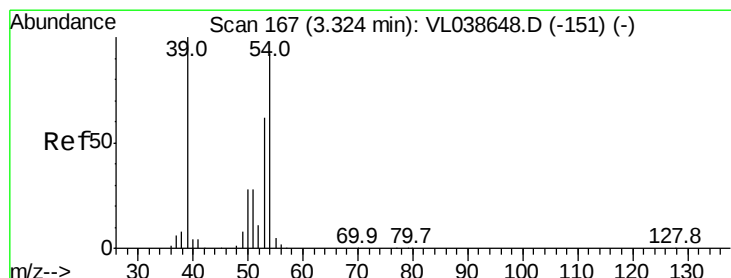
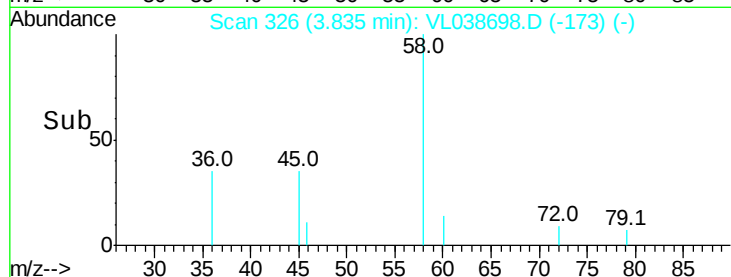
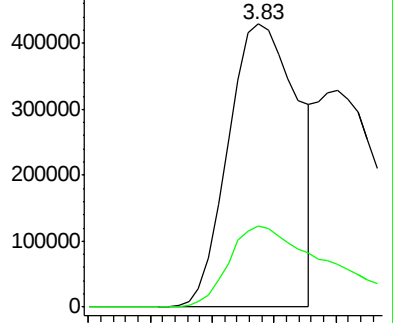
43 100

58 46.9 23.3 34.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.90 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL038698.D

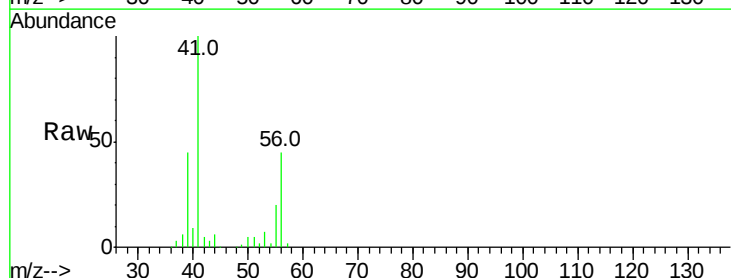
Acq: 23 Mar 2022 00:23

Tgt Ion: 39 Resp: 76644

Ion Ratio Lower Upper

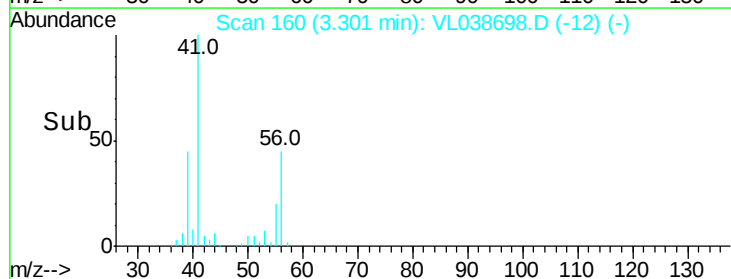
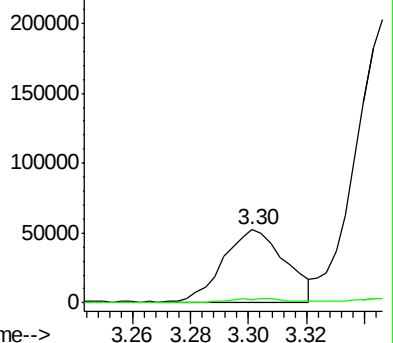
39 100

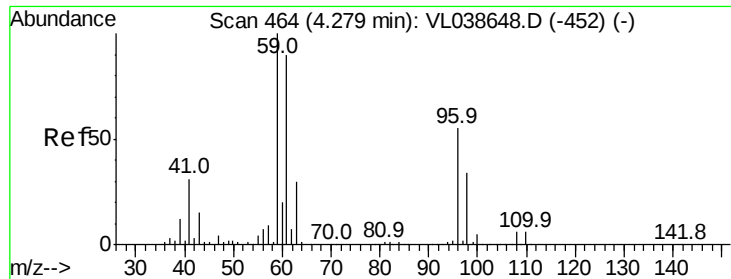
54 6.9 69.1 103.7#



Abundance Ion 39.10 (38.80 to 39.80): VL0

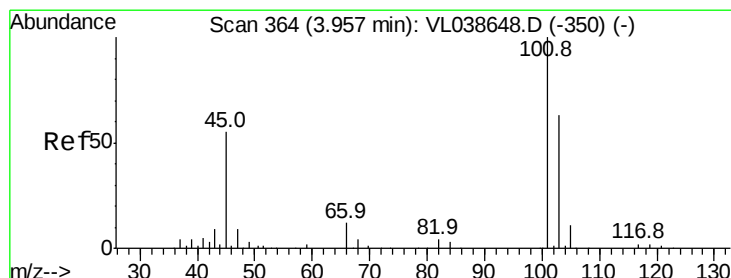
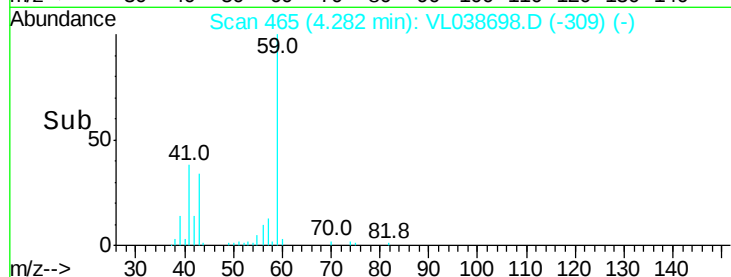
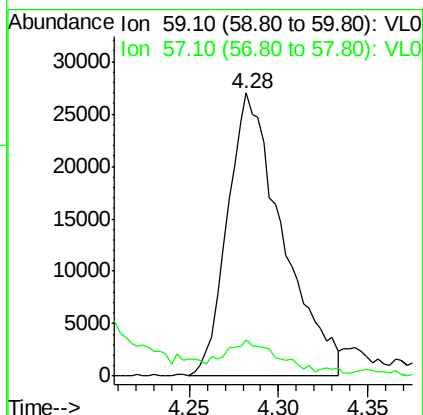
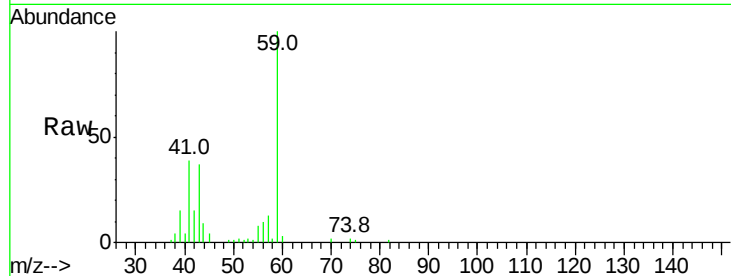
Ion 54.10 (53.80 to 54.80): VL0





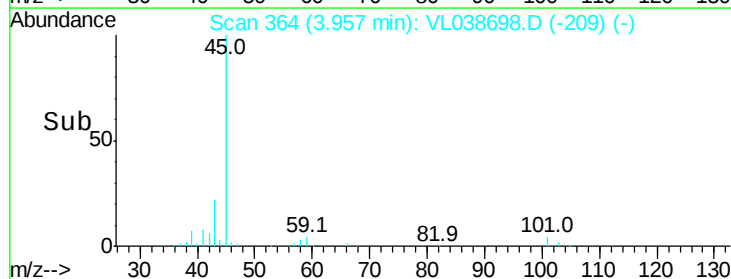
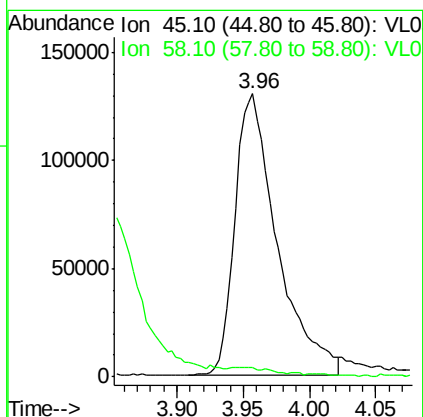
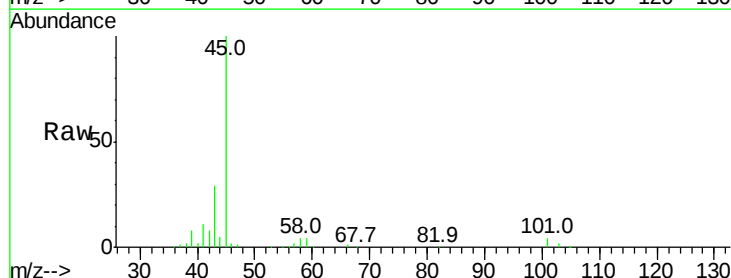
#17
 tert-Butyl alcohol
 Concen: 0.93 ppbv
 RT: 4.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P79
 Acq: 23 Mar 2022 00:23

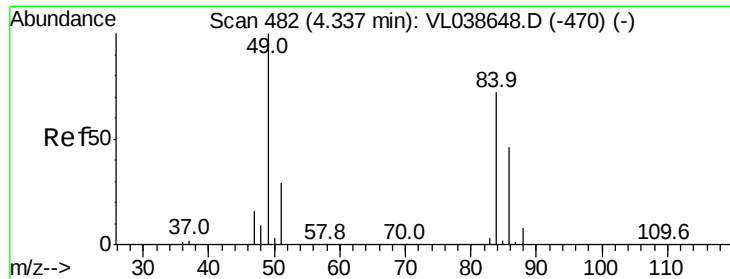
Tgt Ion: 59 Resp: 57753
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



#19
 Isopropyl Alcohol
 Concen: 7.36 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL038698.D
 Acq: 23 Mar 2022 00:23

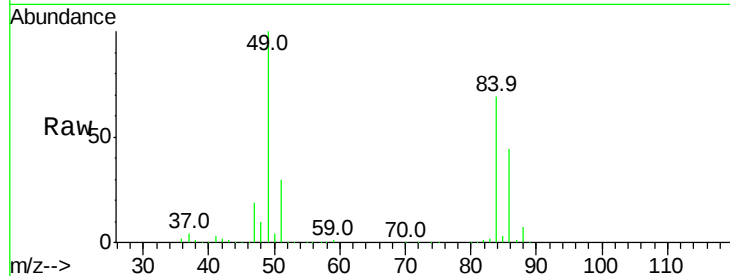
Tgt Ion: 45 Resp: 290282
 Ion Ratio Lower Upper
 45 100
 58 108.1 2.3 3.5#



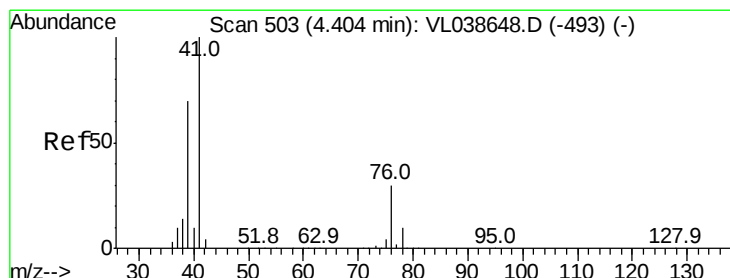
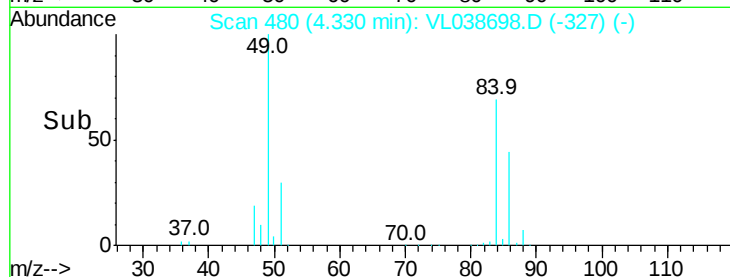
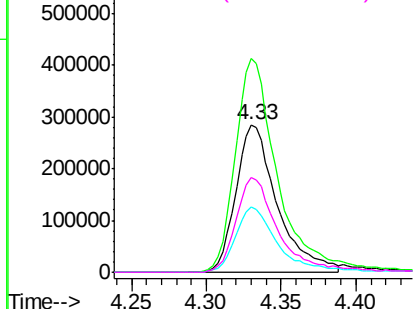


#20
Methylene Chloride
Concen: 18.22 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 00:23

Tgt Ion:	84	Resp:	545907
Ion	Ratio	Lower	Upper
84	100		
49	144.6	111.2	166.8
51	43.9	32.8	49.2
86	63.9	51.4	77.0

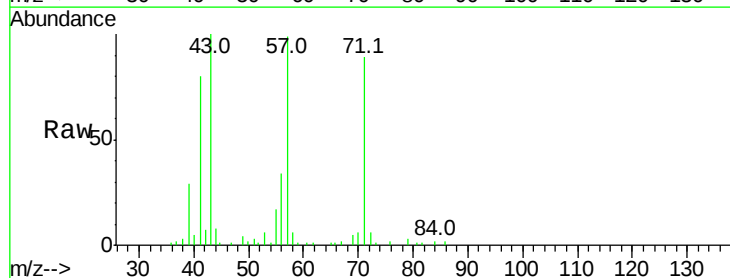


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

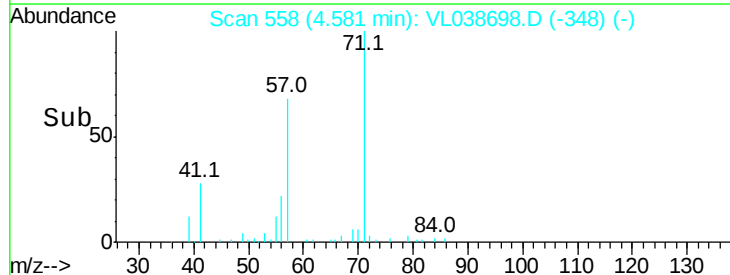
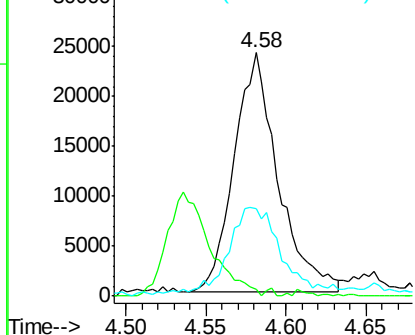


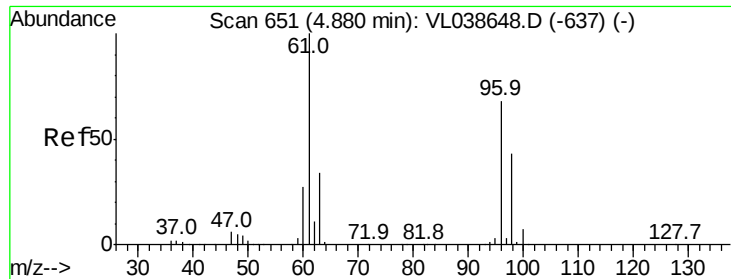
#21
Allyl Chloride
Concen: 0.88 ppbv
RT: 4.58 min Scan# 558
Delta R.T. 0.18 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

Tgt Ion:	41	Resp:	45166
Ion	Ratio	Lower	Upper
41	100		
76	44.5	25.0	37.6#
39	51.1	56.6	85.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.04 ppbv

RT: 4.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 00:23 C0P79

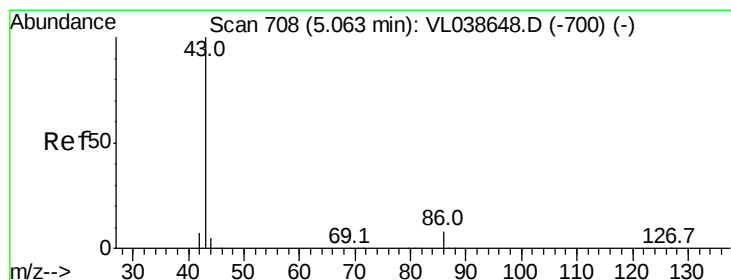
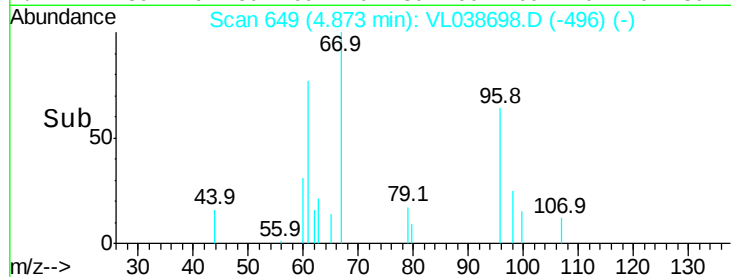
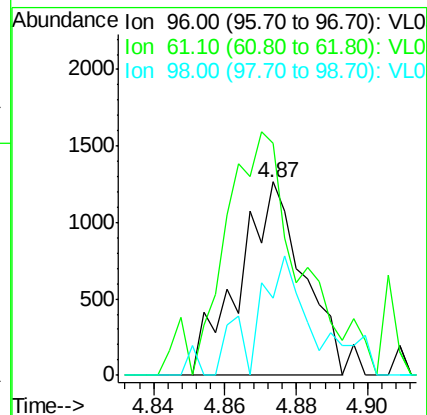
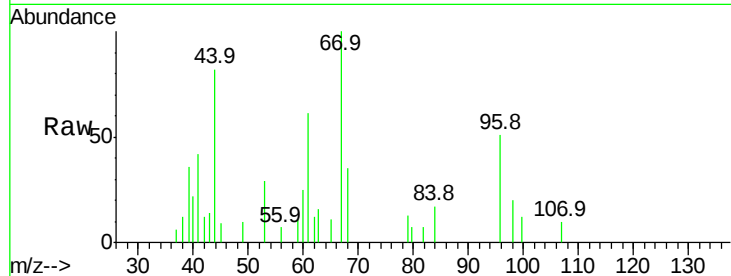
Tgt Ion: 96 Resp: 1562

Ion Ratio Lower Upper

96 100

61 120.2 118.3 177.5

98 24.8 51.3 76.9#



#23

Vinyl Acetate

Concen: 3.41 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.02 min

Lab File: VL038698.D

Acq: 23 Mar 2022 00:23

Tgt Ion: 43 Resp: 235273

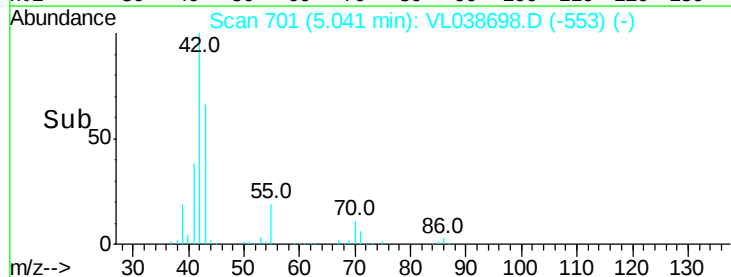
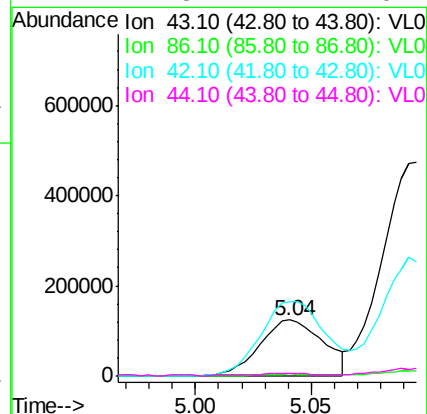
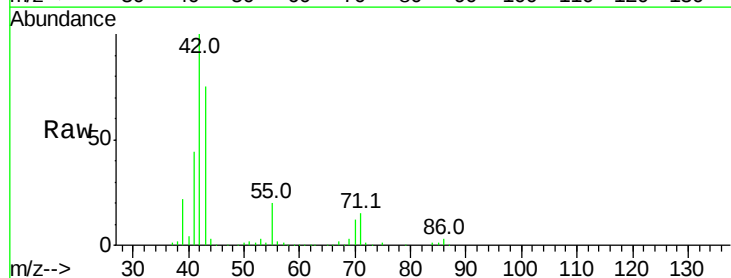
Ion Ratio Lower Upper

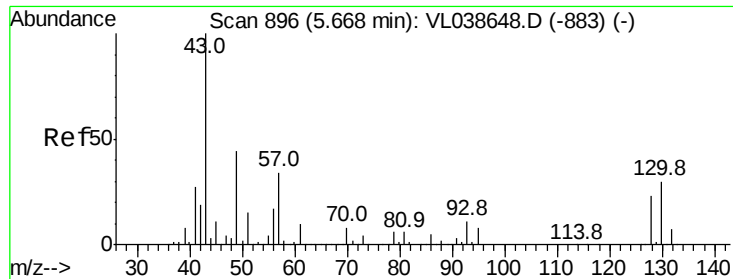
43 100

86 3.6 5.6 8.4#

42 132.6 6.8 10.2#

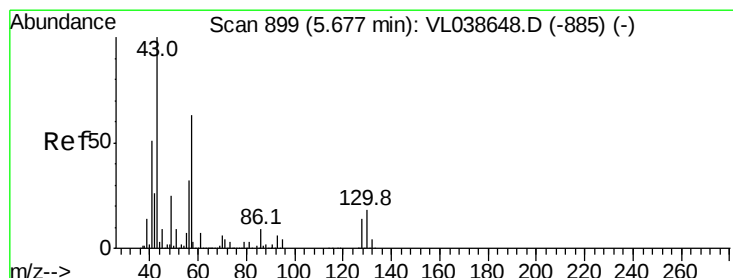
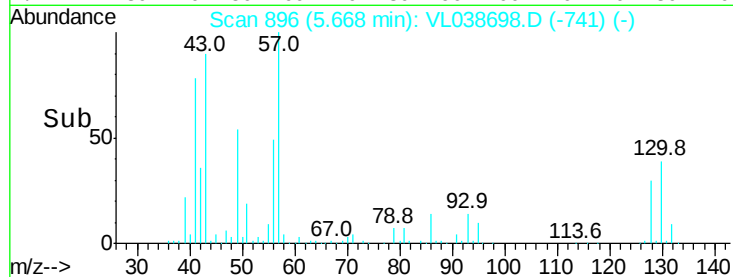
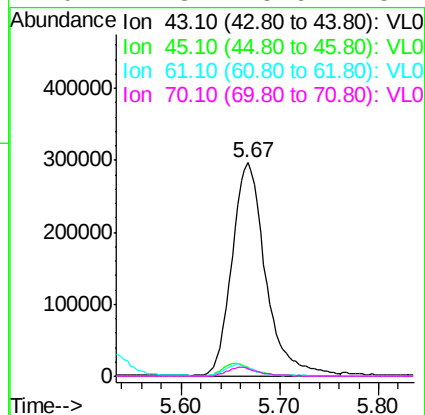
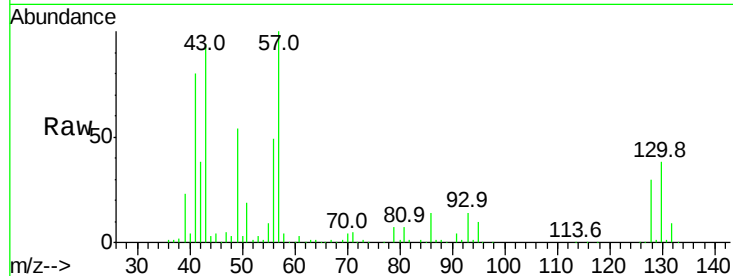
44 2.8 4.2 6.2#





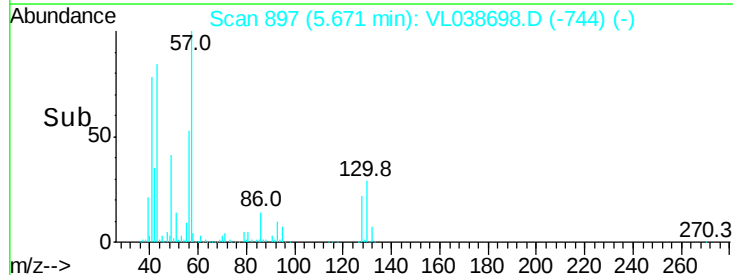
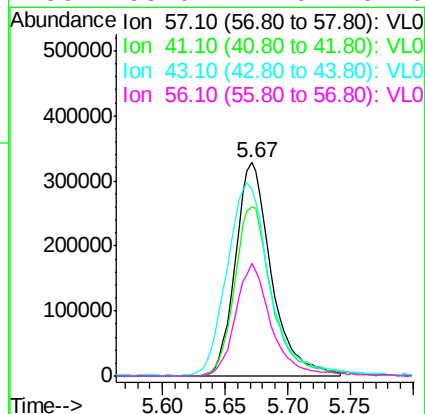
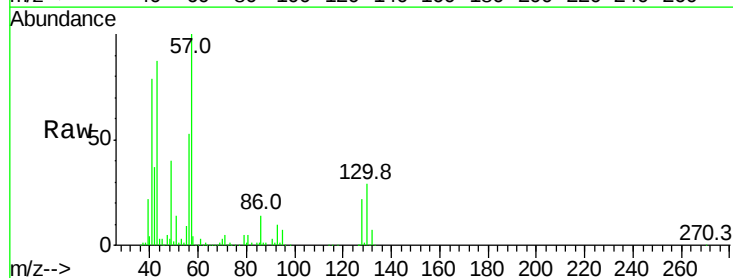
#25
Ethyl Acetate
Concen: 3.91 ppbv
RT: 5.67
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 00:23

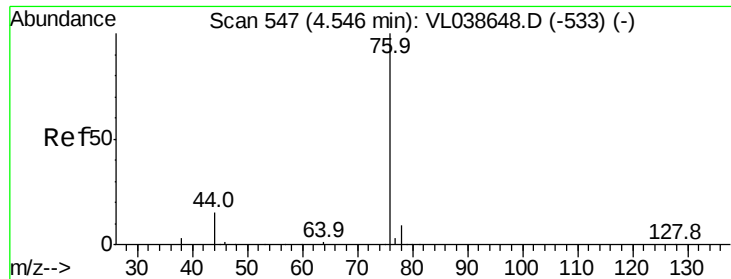
Tgt Ion:	43	Resp:	700240
Ion	Ratio	Lower	Upper
43	100		
45	6.2	8.2	12.4#
61	5.3	8.3	12.5#
70	4.3	5.6	8.4#



#26
Hexane
Concen: 8.15 ppbv
RT: 5.67 min Scan# 897
Delta R.T.: -0.01 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

Tgt Ion:	57	Resp:	653544
Ion	Ratio	Lower	Upper
57	100		
41	84.2	67.0	100.4
43	107.9	184.2	276.2#
56	53.0	42.6	64.0





#27

Carbon Disulfide

Concen: 0.25 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0P79

Acq: 23 Mar 2022 00:23

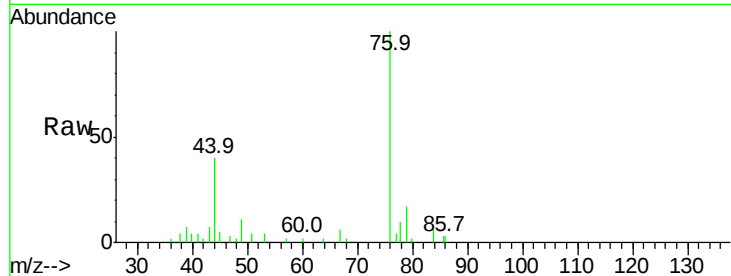
Tgt Ion: 76 Resp: 19566

Ion Ratio Lower Upper

76 100

44 0.0 12.4 18.6#

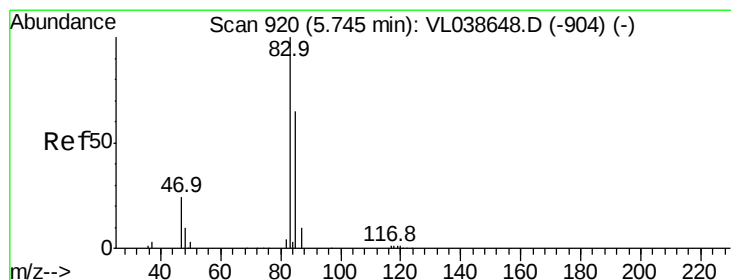
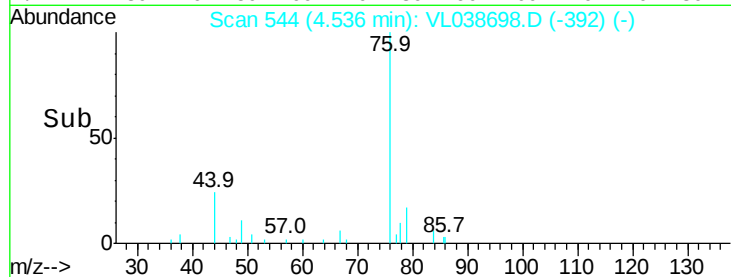
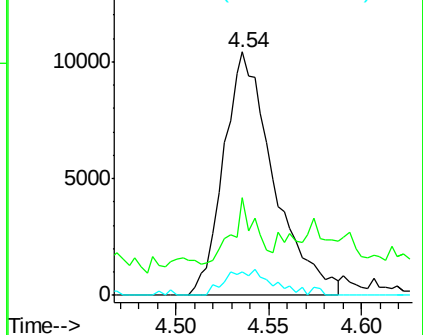
78 10.4 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.03 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL038698.D

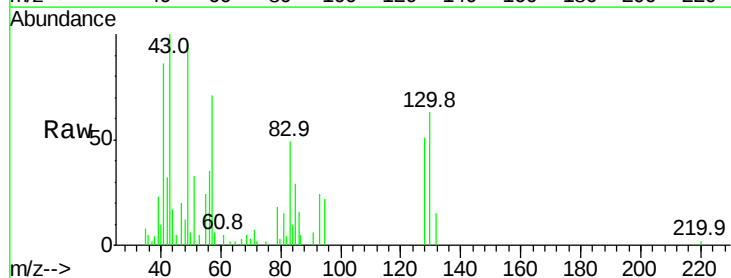
Acq: 23 Mar 2022 00:23

Tgt Ion: 83 Resp: 4094

Ion Ratio Lower Upper

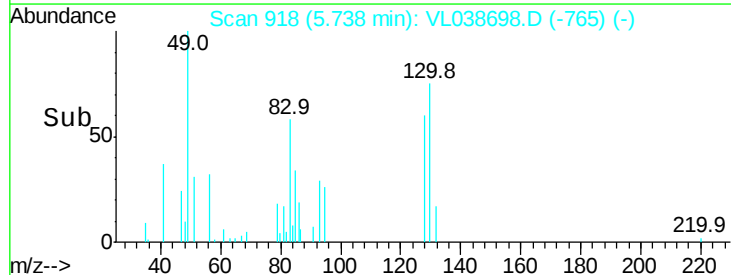
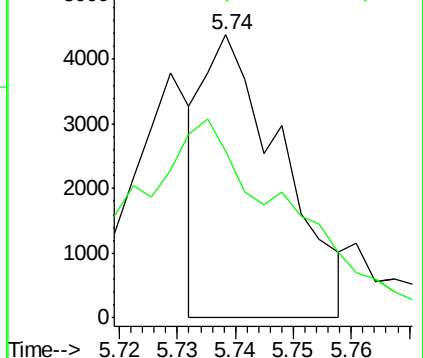
83 100

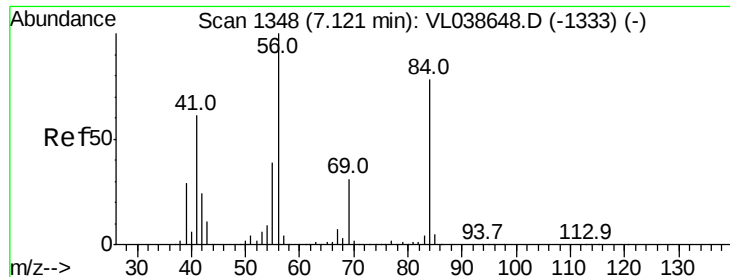
85 46.5 51.7 77.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0

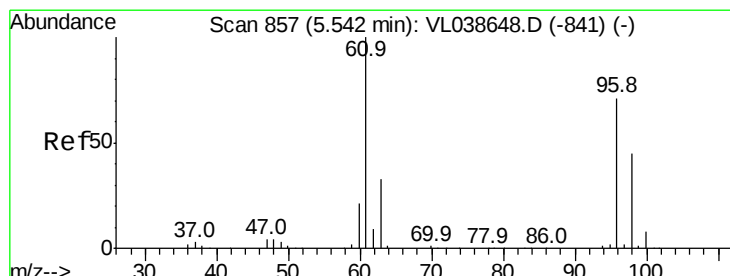
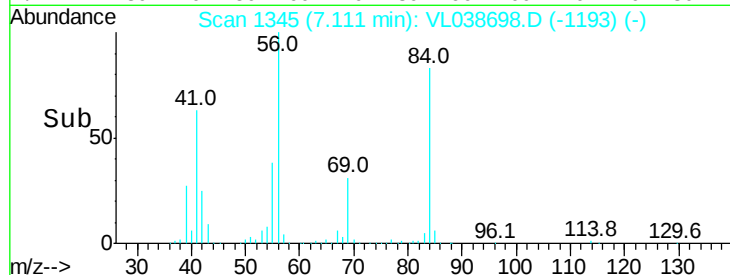
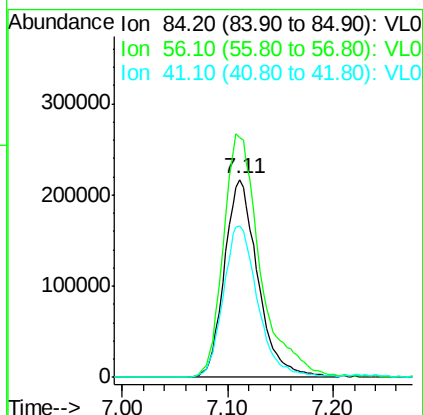
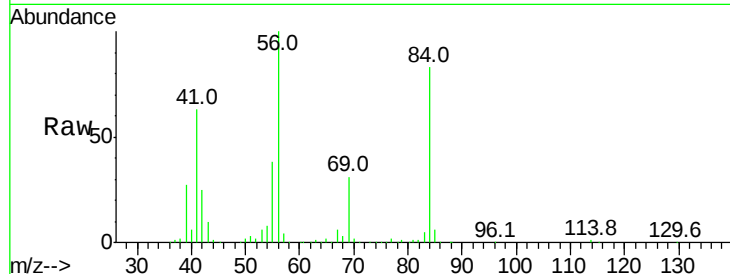
Ion 85.00 (84.70 to 85.70): VL0





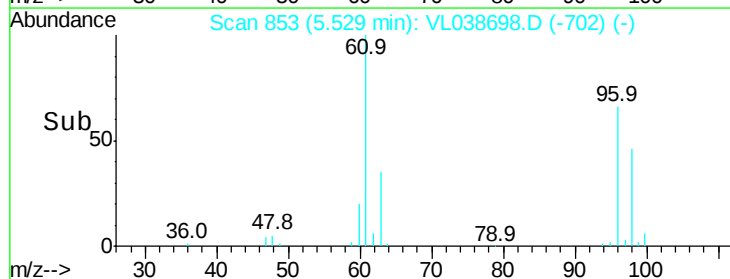
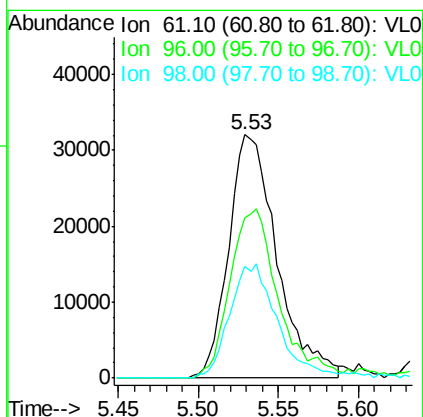
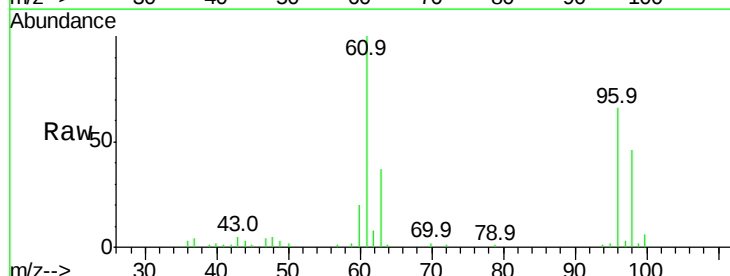
#30
Cyclohexane
Concen: 6.82 ppbv
RT: 7.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 00:23

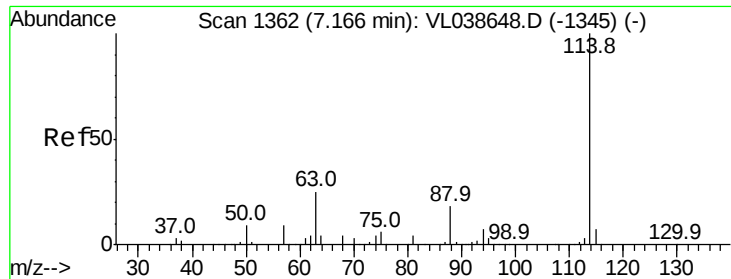
Tgt Ion: 84 Resp: 475213
Ion Ratio Lower Upper
84 100
56 136.7 108.2 162.4
41 78.6 61.8 92.6



#31
cis-1,2-Dichloroethene
Concen: 0.88 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

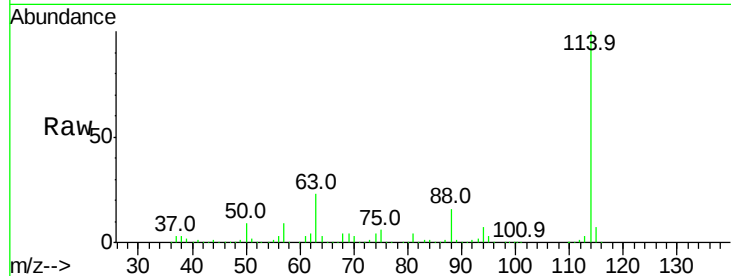
Tgt Ion: 61 Resp: 66295
Ion Ratio Lower Upper
61 100
96 65.8 56.6 84.8
98 46.0 36.3 54.5



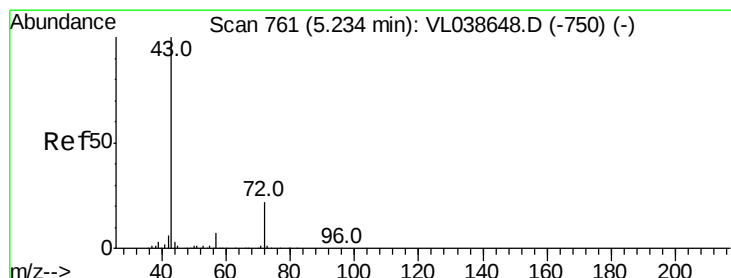
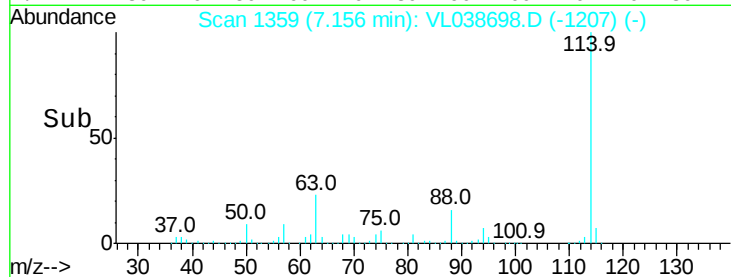
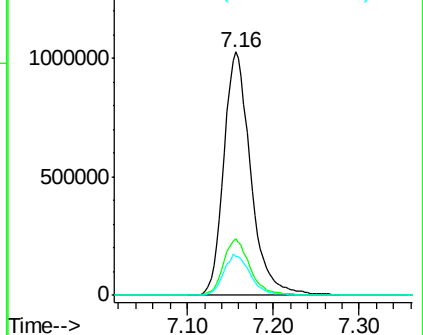


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 COP79
 Acq: 23 Mar 2022 00:23

Tgt Ion:114 Resp: 2243717
 Ion Ratio Lower Upper
 114 100
 63 23.3 19.4 29.0
 88 16.8 13.9 20.9

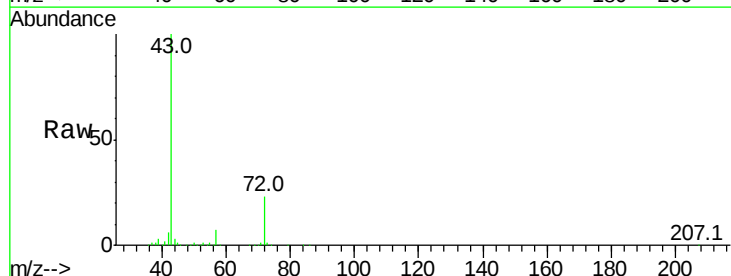


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

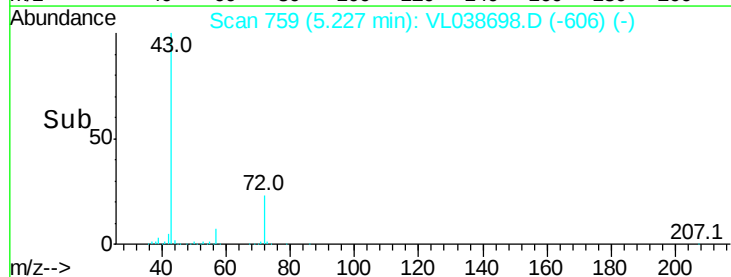
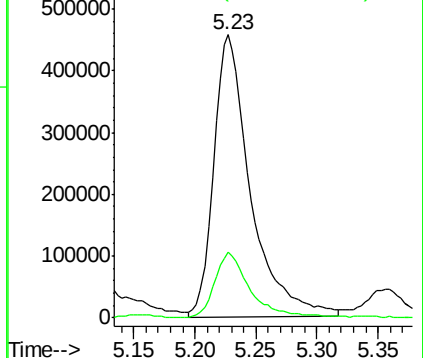


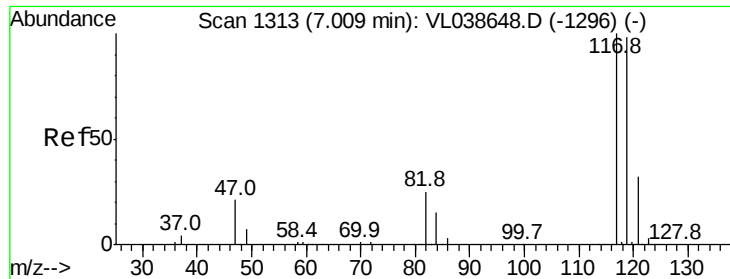
#34
 2-Butanone
 Concen: 10.85 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL038698.D
 Acq: 23 Mar 2022 00:23

Tgt Ion: 43 Resp: 963922
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.8 26.8



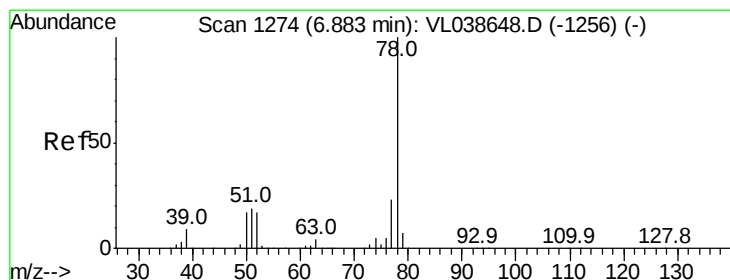
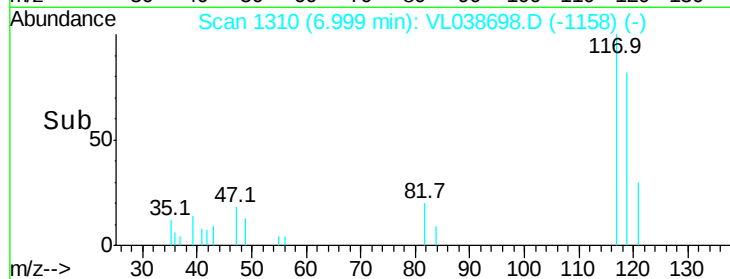
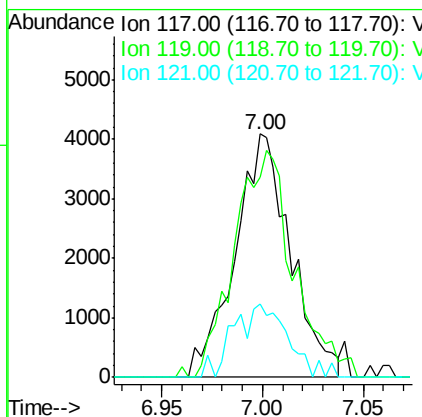
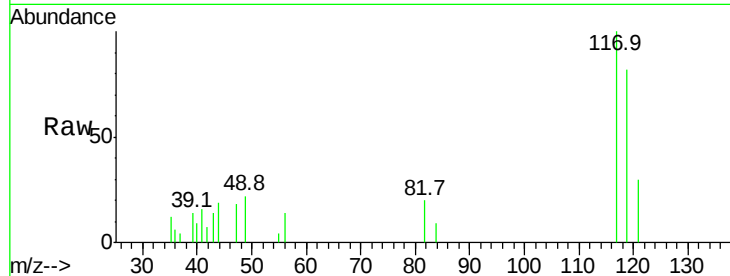
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





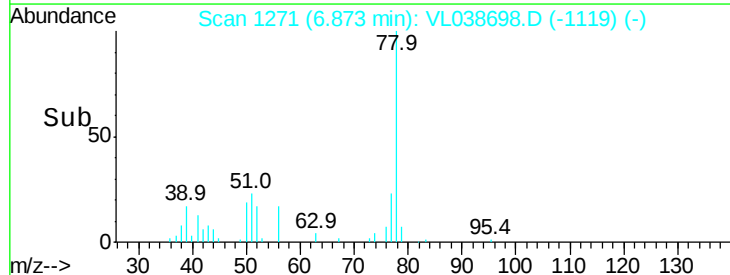
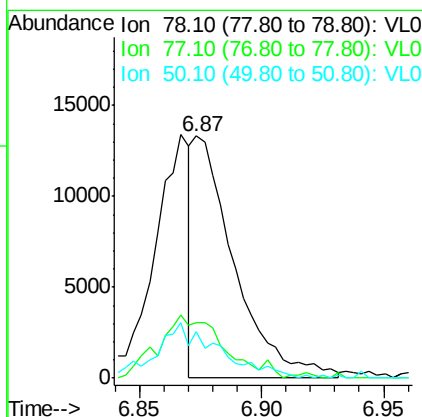
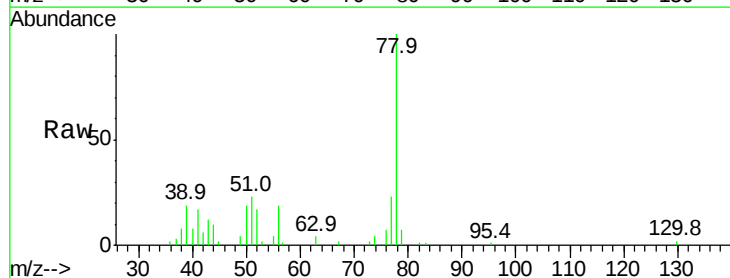
#35
Carbon Tetrachloride
Concen: 0.06 ppbv
RT: 7.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 00:23

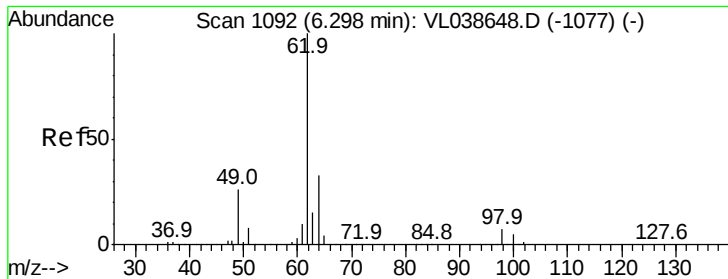
Tgt Ion: 117 Resp: 7878
Ion Ratio Lower Upper
117 100
119 81.9 78.1 117.1
121 30.3 25.8 38.6



#36
Benzene
Concen: 0.09 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

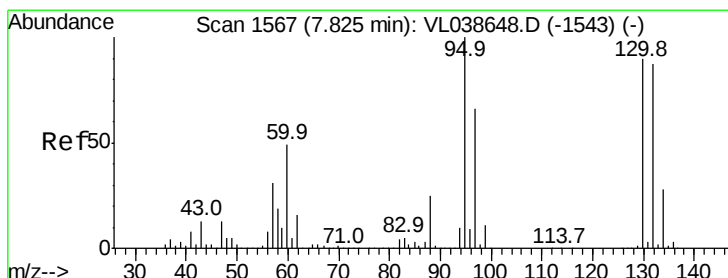
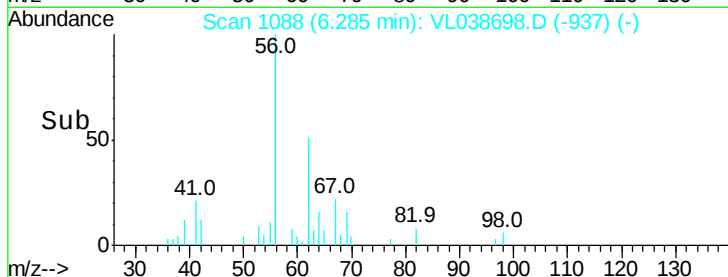
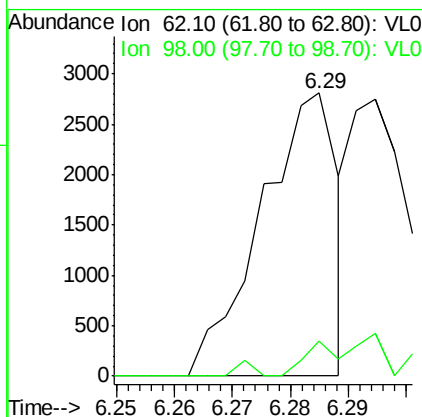
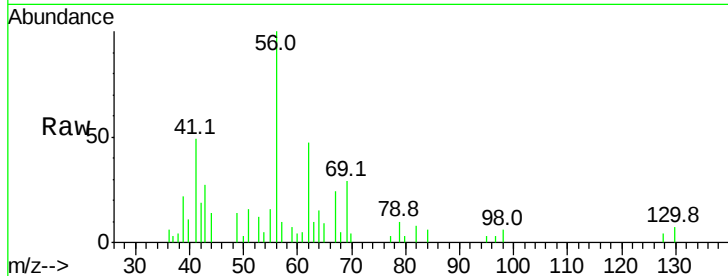
Tgt Ion: 78 Resp: 15409
Ion Ratio Lower Upper
78 100
77 21.3 18.1 27.1
50 18.1 13.6 20.4





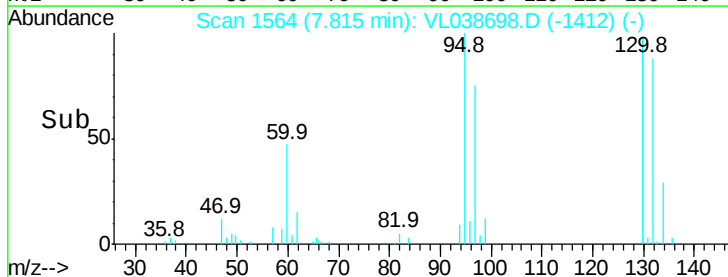
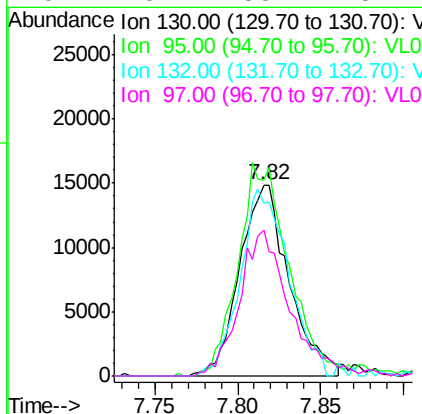
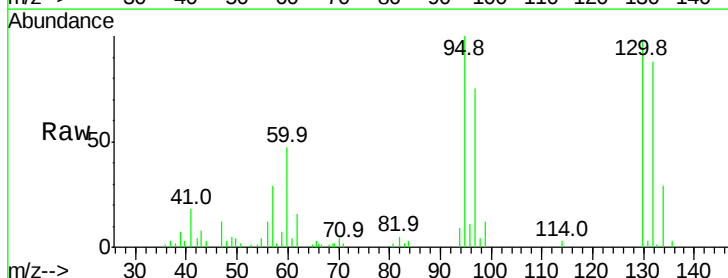
#37
 1,2-Dichloroethane
 Concen: 0.03 ppbv
 RT: 6.29
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 00:23

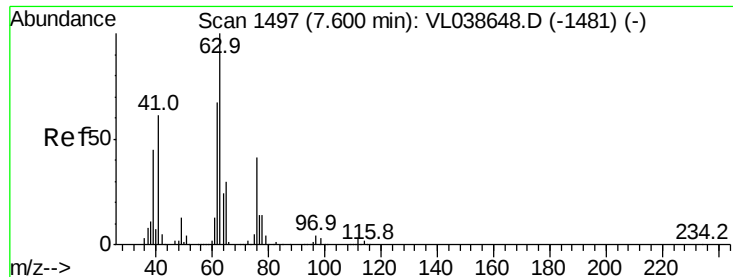
Tgt Ion: 62 Resp: 2568
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.6 8.4#



#38
 Trichloroethene
 Concen: 0.42 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T.: -0.01 min
 Lab File: VL038698.D
 Acq: 23 Mar 2022 00:23

Tgt Ion: 130 Resp: 30777
 Ion Ratio Lower Upper
 130 100
 95 102.4 88.9 133.3
 132 91.5 77.4 116.0
 97 76.7 58.2 87.4





#39

1,2-Dichloropropane

Concen: 7.44 ppbv

RT: 7.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 00:23

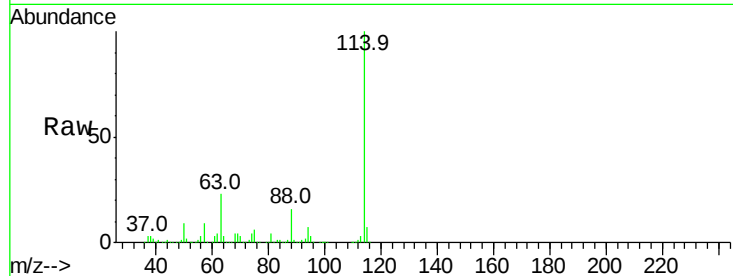
Tgt Ion: 63 Resp: 503933

Ion Ratio Lower Upper

63 100

41 3.9 49.0 73.6#

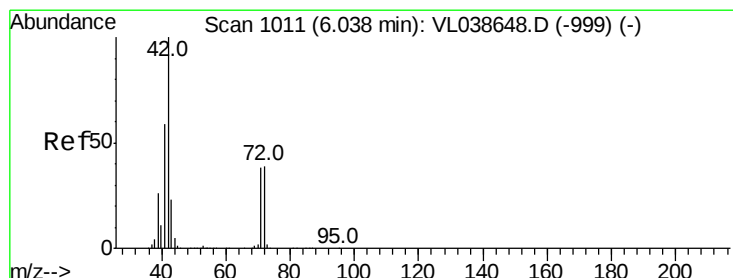
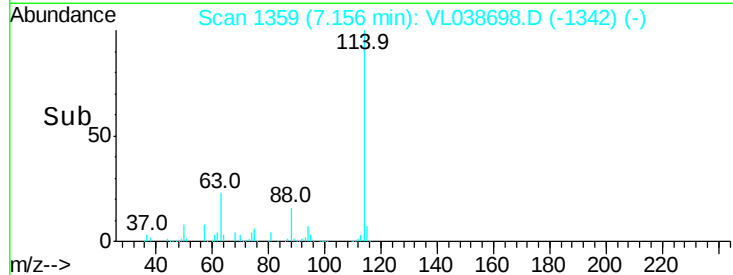
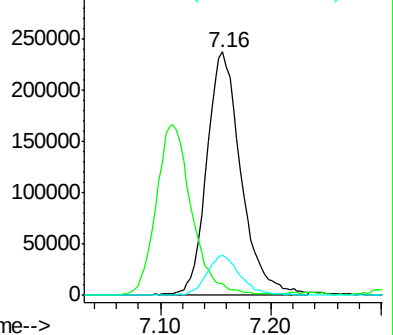
62 16.1 53.9 80.9#



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: 0.41 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL038698.D

Acq: 23 Mar 2022 00:23

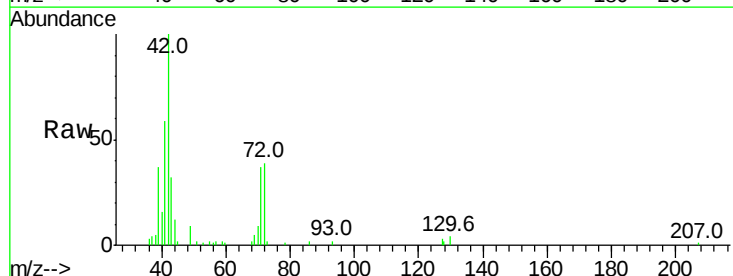
Tgt Ion: 42 Resp: 27173

Ion Ratio Lower Upper

42 100

72 47.0 32.5 48.7

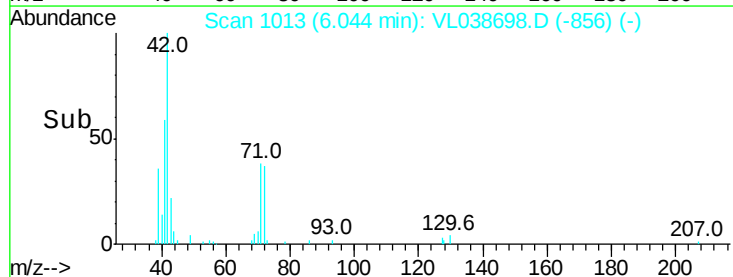
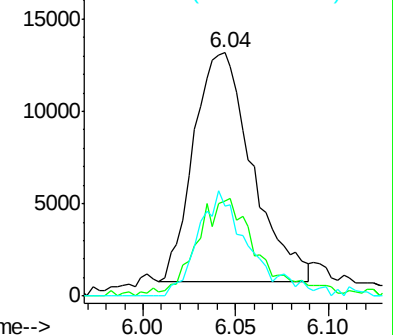
71 41.8 31.4 47.2

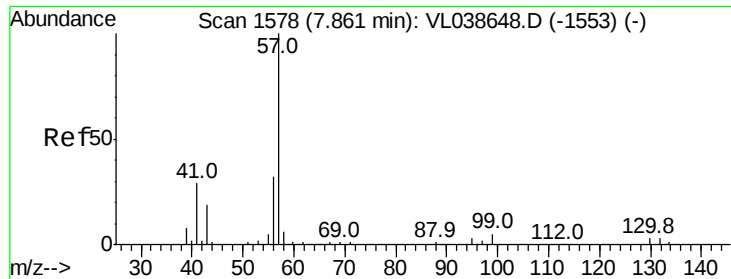


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

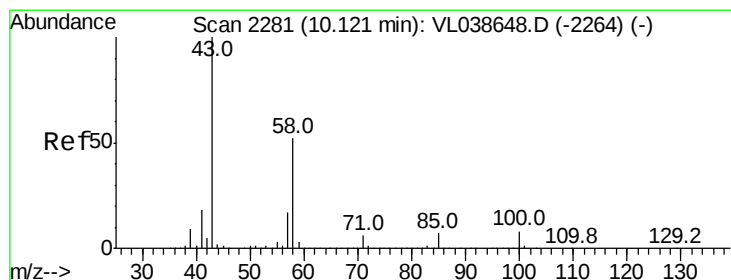
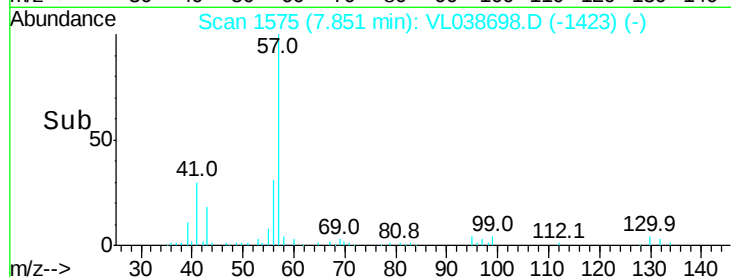
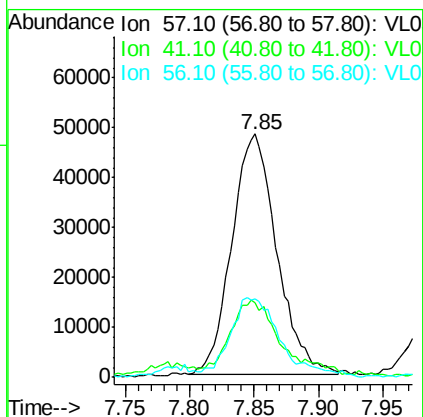
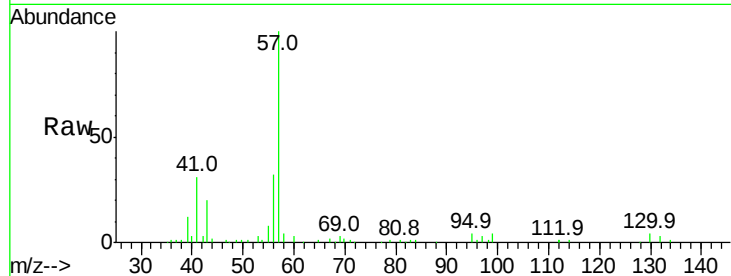
Ion 71.10 (70.80 to 71.80): VL0





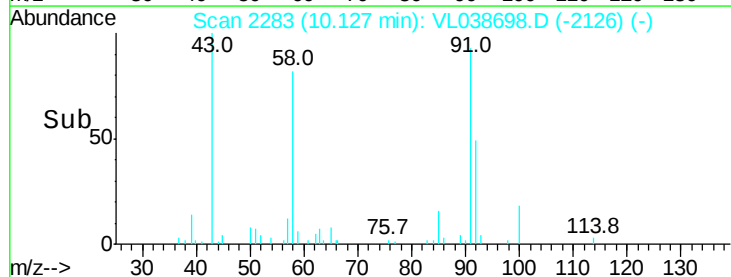
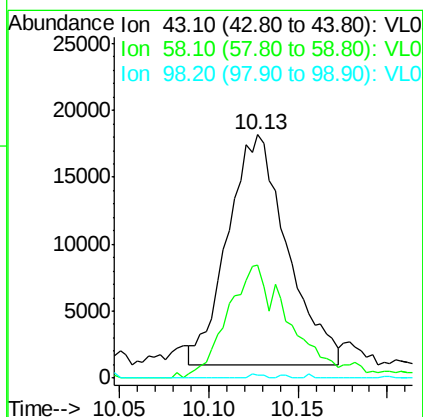
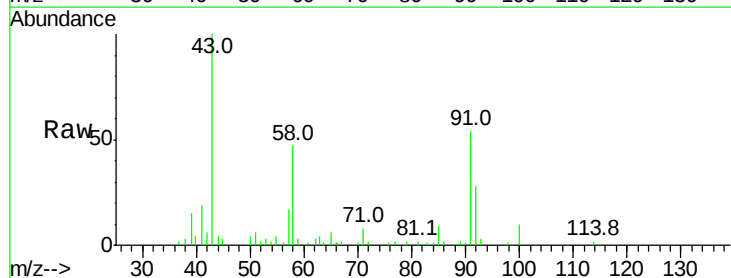
#44
 2,2,4-Trimethylpentane
 Concen: 0.40 ppbv
 RT: 7.85
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P79
 Acq: 23 Mar 2022 00:23

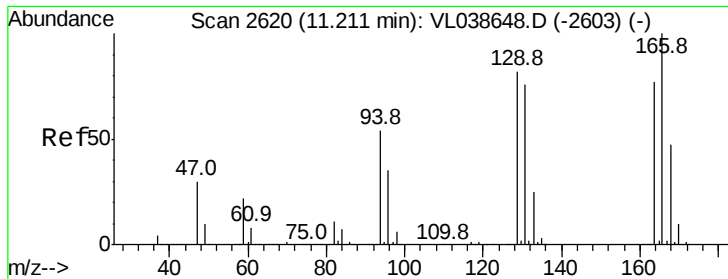
Tgt Ion: 57 Resp: 117223
 Ion Ratio Lower Upper
 57 100
 41 37.0 23.0 34.4#
 56 38.6 25.3 37.9#



#51
 2-Hexanone
 Concen: 0.33 ppbv
 RT: 10.13 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: VL038698.D
 Acq: 23 Mar 2022 00:23

Tgt Ion: 43 Resp: 39639
 Ion Ratio Lower Upper
 43 100
 58 56.1 41.2 61.8
 98 0.4 0.2 0.4#





#52

Tetrachloroethene

Concen: 5.24 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 00:23

Tgt Ion:164 Resp: 332244

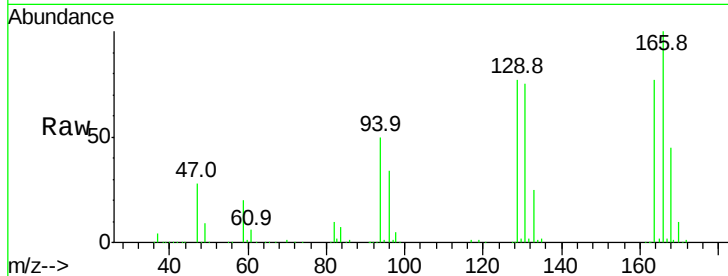
Ion Ratio Lower Upper

164 100

166 129.2 103.3 154.9

129 99.4 85.2 127.8

131 96.7 78.3 117.5



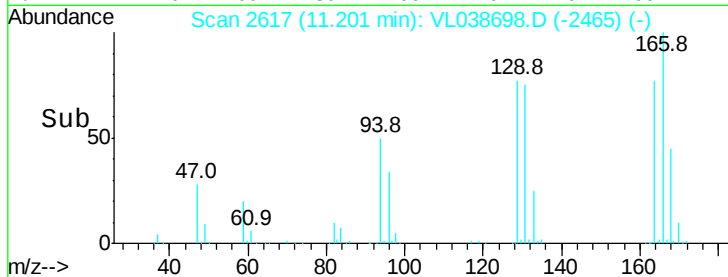
Abundance Ion 163.90 (163.60 to 164.60): V

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

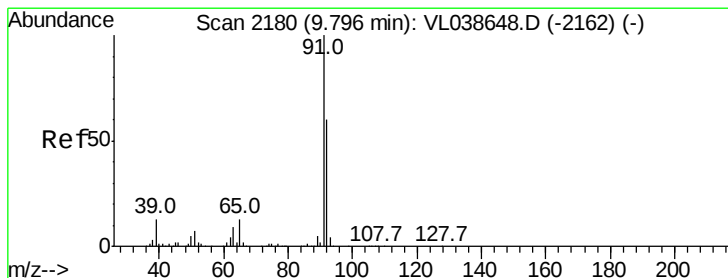
Time--> 11.10 11.15 11.20 11.25



Abundance

11.20

Time--> 11.10 11.15 11.20 11.25



#53

Toluene

Concen: 69.68 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL038698.D

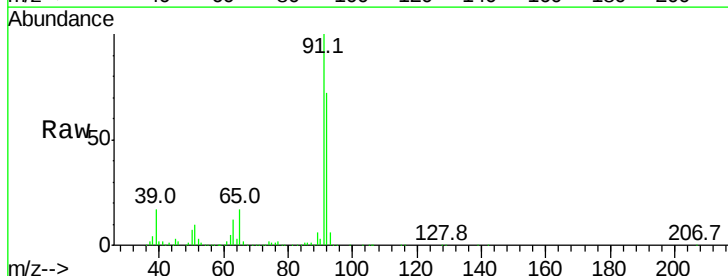
Acq: 23 Mar 2022 00:23

Tgt Ion: 91 Resp:12965839

Ion Ratio Lower Upper

91 100

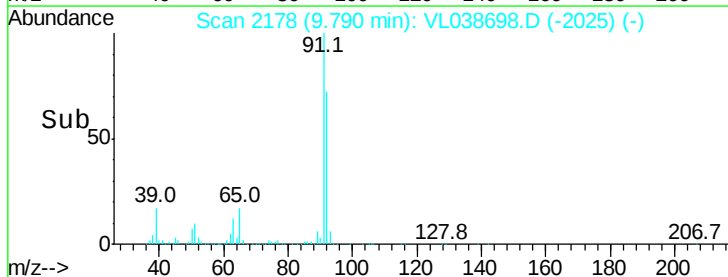
92 68.3 48.7 73.1



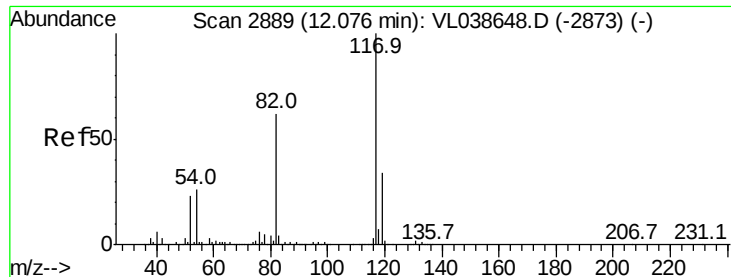
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time--> 9.70 9.80 9.90

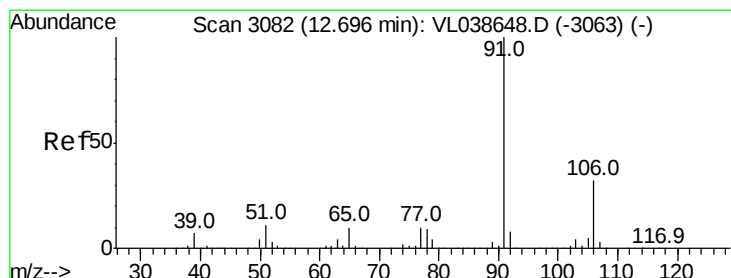
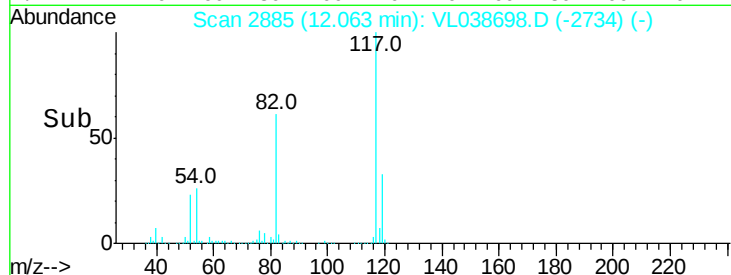
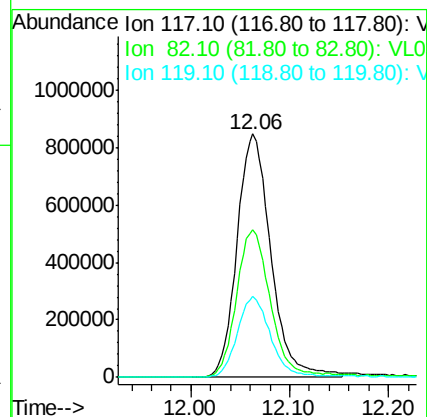
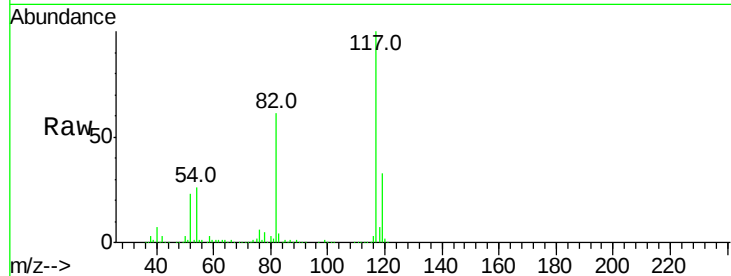


Time--> 9.70 9.80 9.90



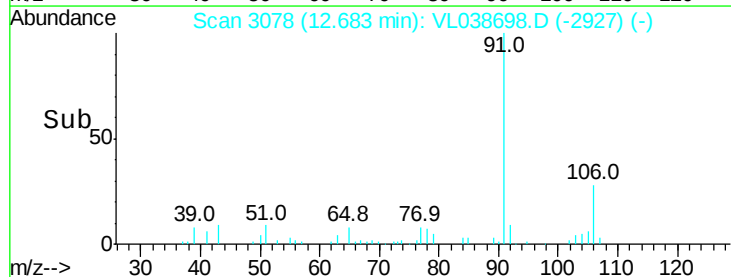
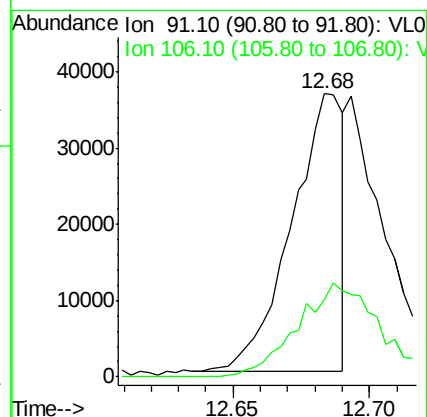
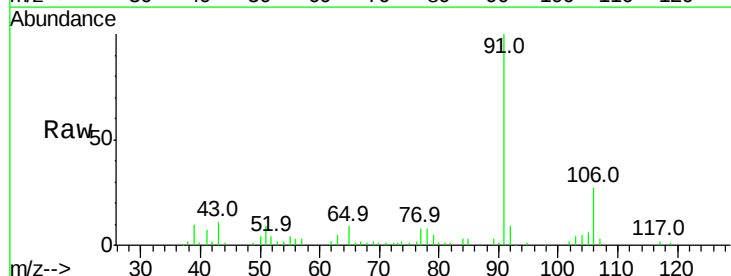
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COP79
Acq: 23 Mar 2022 00:23

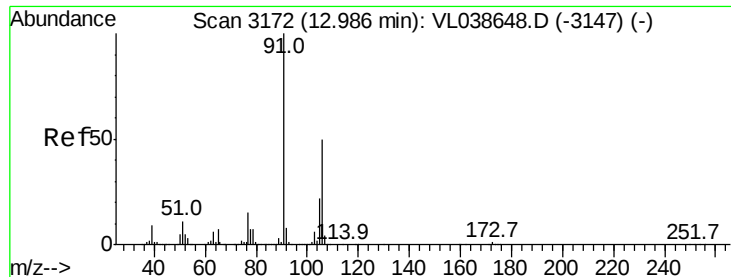
Tgt Ion: 117 Resp: 2030906
Ion Ratio Lower Upper
117 100
82 62.7 51.6 77.4
119 34.1 26.9 40.3



#58
Ethyl Benzene
Concen: 0.20 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.01 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

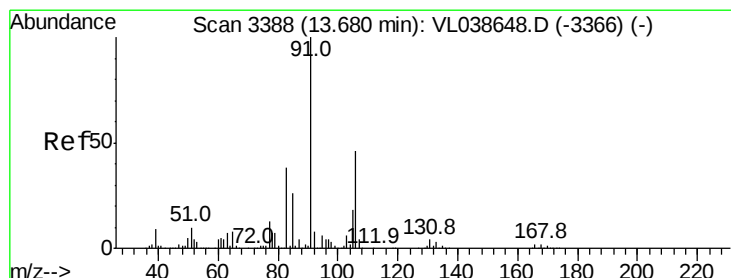
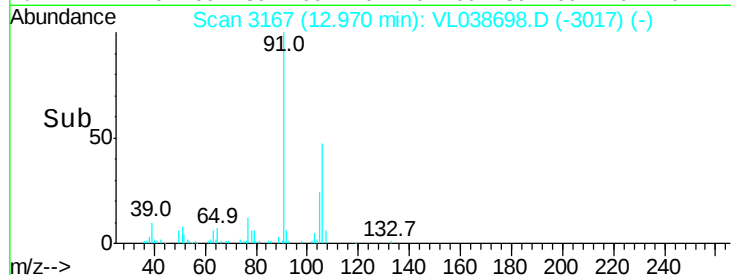
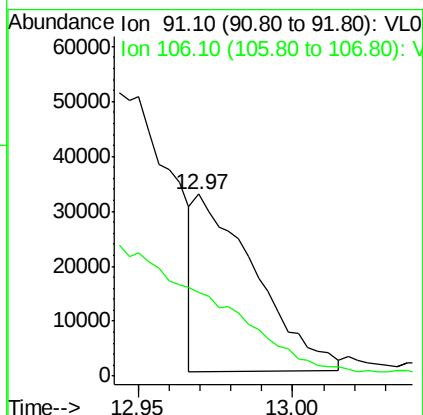
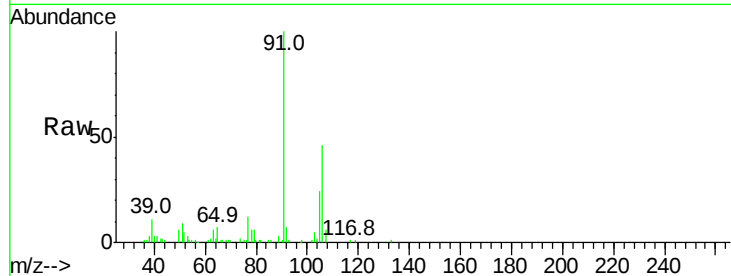
Tgt Ion: 91 Resp: 47738
Ion Ratio Lower Upper
91 100
106 28.0 25.4 38.0





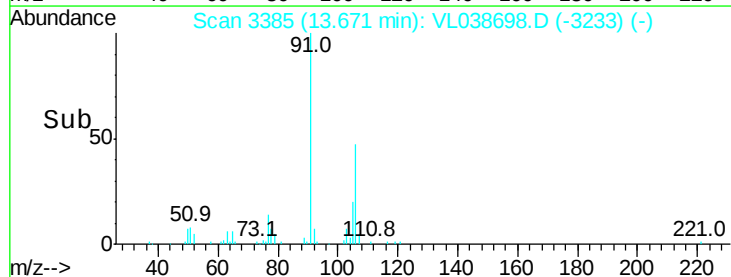
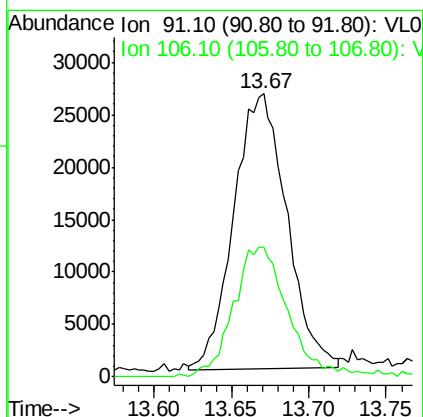
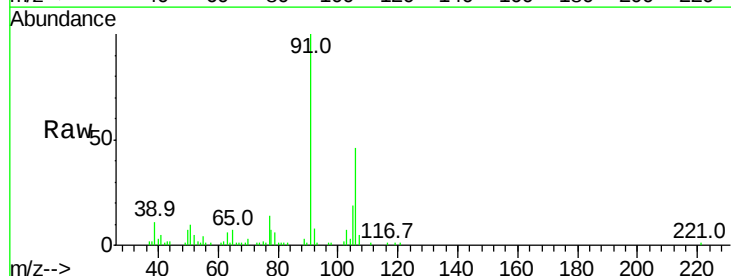
#59
m/p-Xylene
Concen: 0.21 ppbv
RT: 12.97 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 00:23

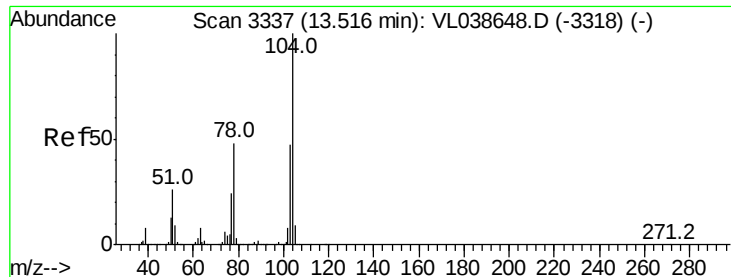
Tgt Ion: 91 Resp: 43967
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#



#60
o-Xylene
Concen: 0.32 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

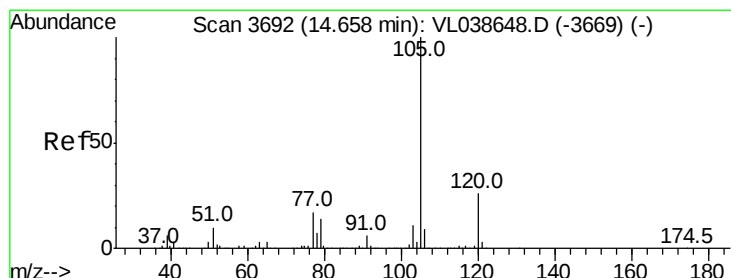
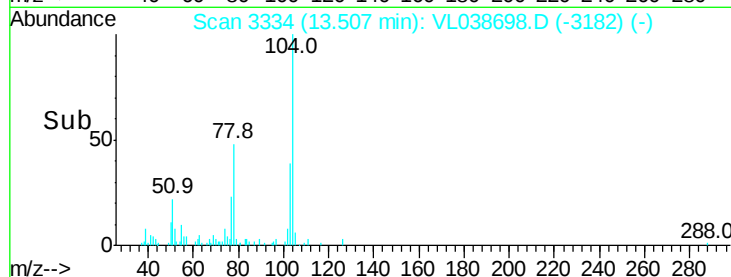
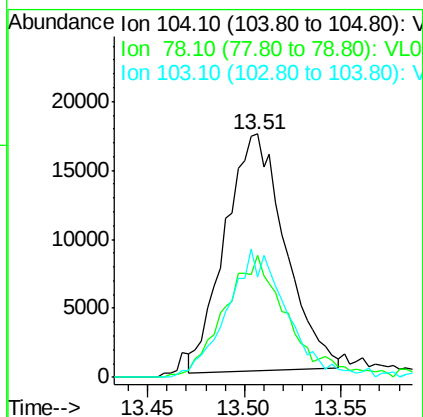
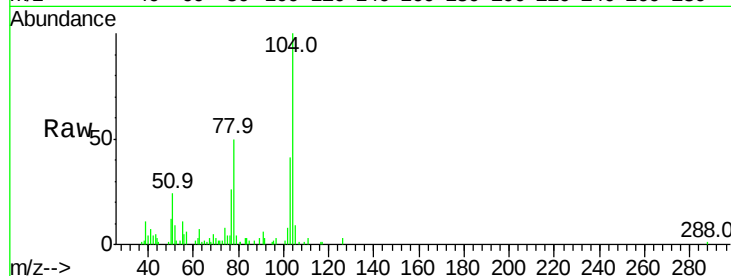
Tgt Ion: 91 Resp: 62609
Ion Ratio Lower Upper
91 100
106 48.4 23.5 70.5





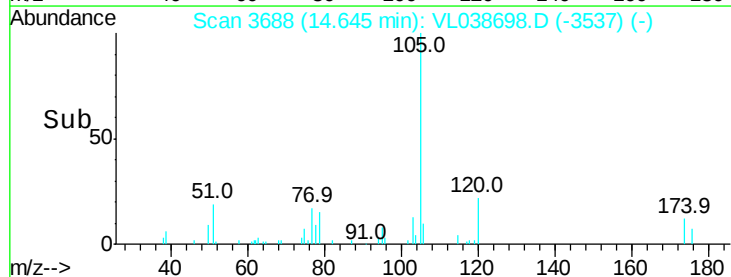
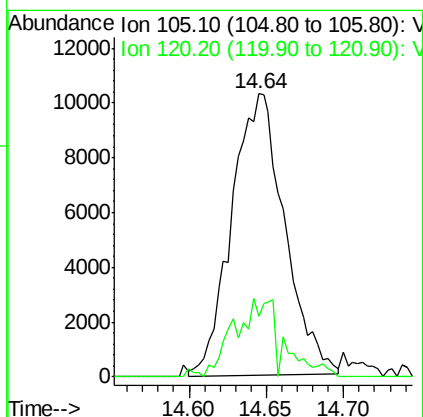
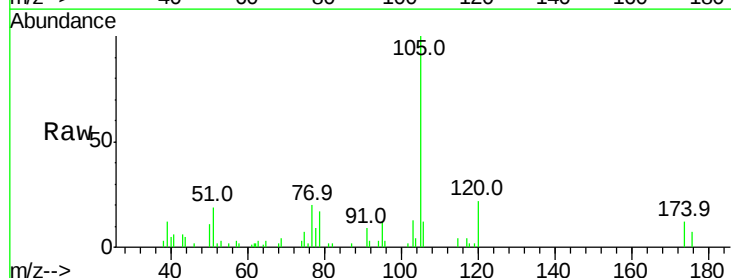
#61
Styrene
Concen: 0.35 ppbv
RT: 13.51
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP79
Acq: 23 Mar 2022 00:23

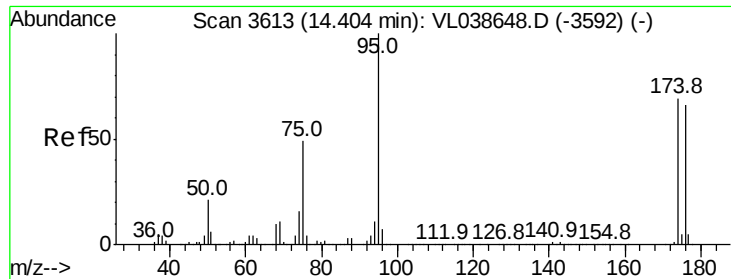
Tgt Ion:104 Resp: 37127
Ion Ratio Lower Upper
104 100
78 56.3 39.0 58.4
103 53.9 37.8 56.8



#62
Isopropylbenzene
Concen: 0.08 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.01 min
Lab File: VL038698.D
Acq: 23 Mar 2022 00:23

Tgt Ion:105 Resp: 24482
Ion Ratio Lower Upper
105 100
120 25.6 21.2 31.8

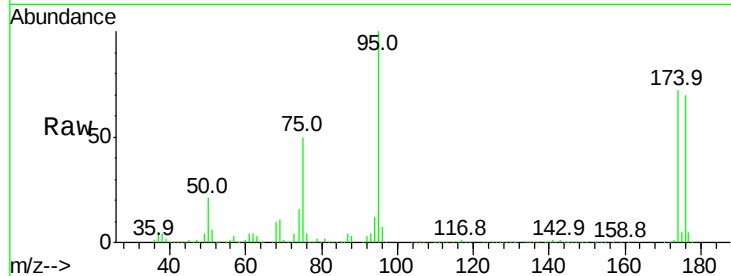




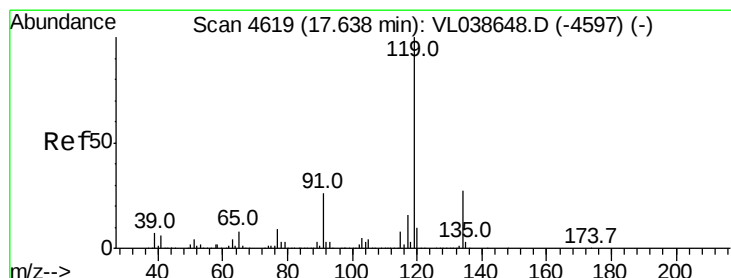
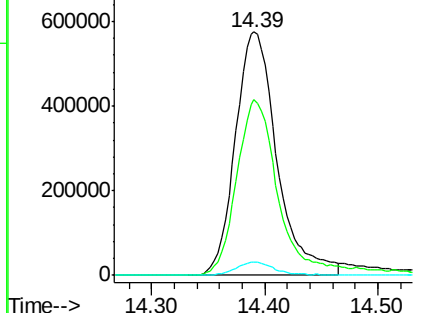
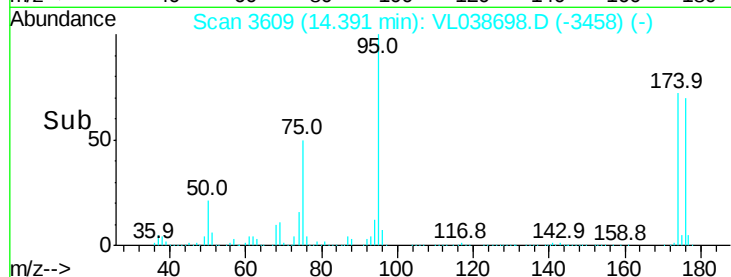
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.50 ppbv
 RT: 14.39 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P79
 Acq: 23 Mar 2022 00:23

Tgt Ion: 95 Resp: 1478629

Ion	Ratio	Lower	Upper
95	100		
174	75.6	56.1	84.1
175	5.6	4.2	6.2



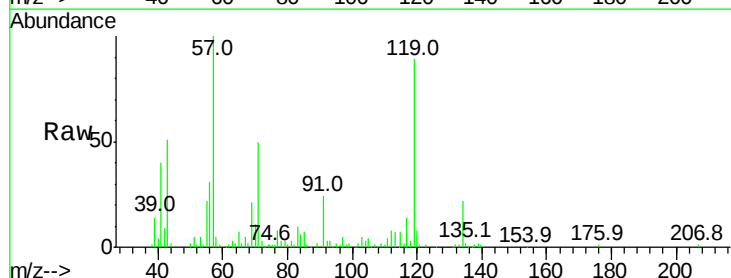
Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



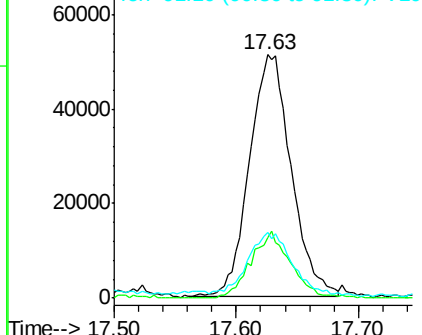
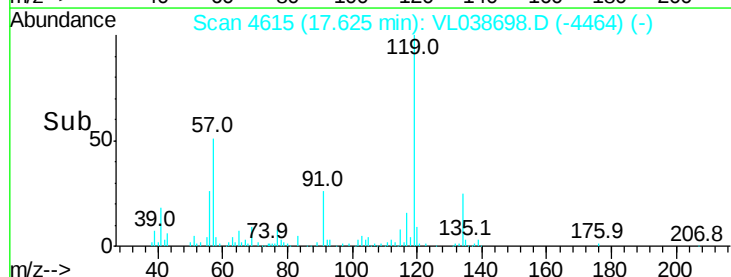
#69
 p-Isopropyltoluene
 Concen: 0.39 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL038698.D
 Acq: 23 Mar 2022 00:23

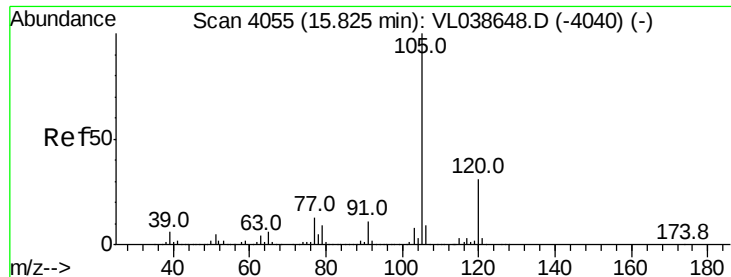
Tgt Ion: 119 Resp: 121034

Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	29.0	21.4	32.2



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#72

4-Ethyltoluene

Concen: 0.02 ppbv

RT: 15.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

COP79

Acq: 23 Mar 2022 00:23

Tgt Ion:105 Resp: 4798

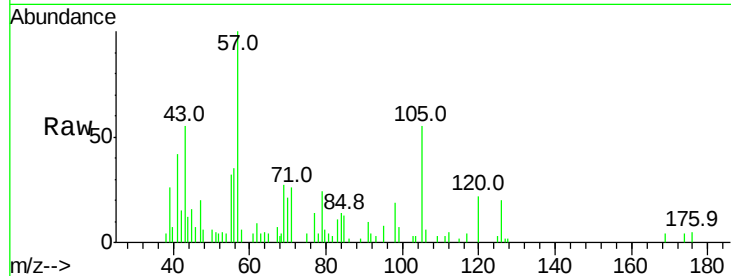
Ion Ratio Lower Upper

105 100

120 67.7 24.9 37.3#

91 0.0 9.8 14.6#

77 0.0 10.6 16.0#

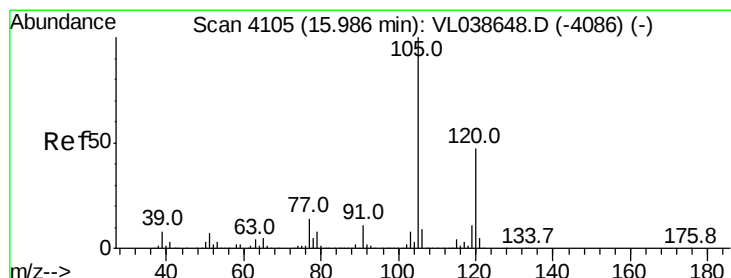
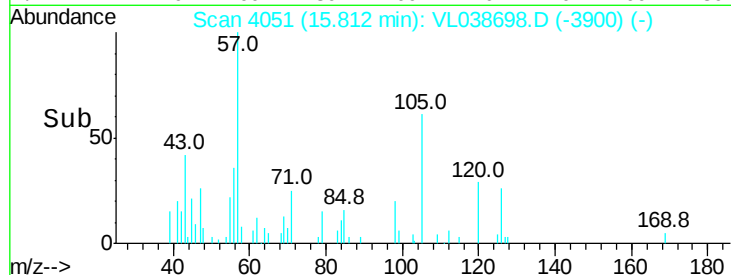
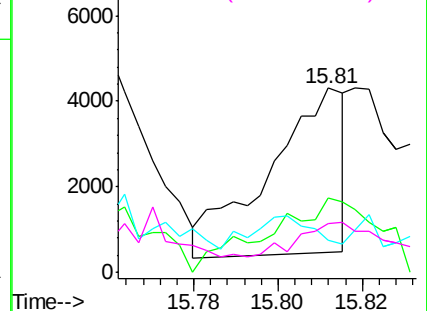


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.02 ppbv

RT: 15.97 min Scan# 4099

Delta R.T. -0.02 min

Lab File: VL038698.D

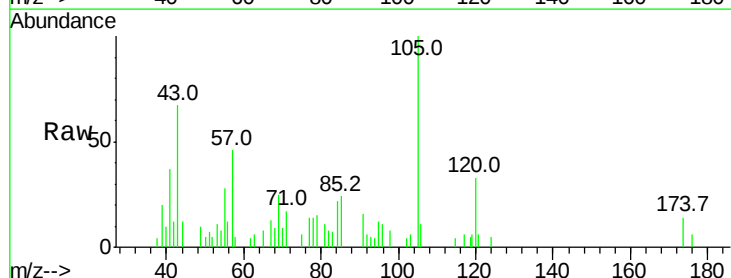
Acq: 23 Mar 2022 00:23

Tgt Ion:105 Resp: 4640

Ion Ratio Lower Upper

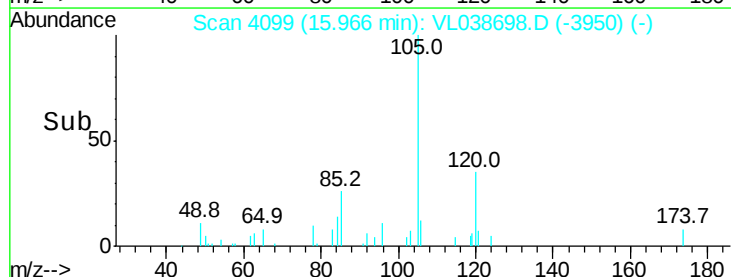
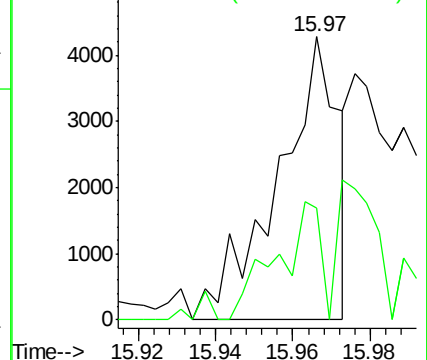
105 100

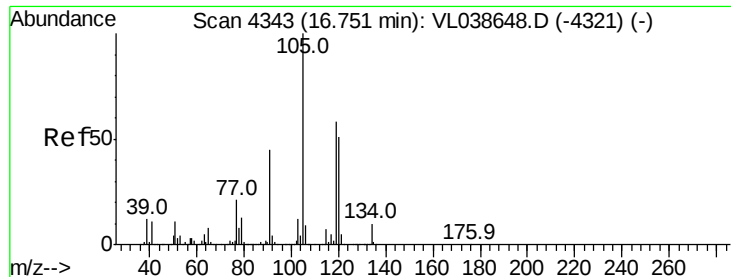
120 39.5 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.13 ppbv
 RT: 16.74
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 C0P79
 Acq: 23 Mar 2022 00.23

Tgt Ion:	105	Resp:	29870
Ion Ratio	Lower	Upper	
105	100		
120	47.8	40.5	60.7
91	8.5	35.9	53.9#
77	13.9	16.6	25.0#

