

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038384.D
 Acq On : 22 Feb 2022 10:44
 Operator : SY/AP
 Sample : VL0222ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0222ABS01

Quant Time: Mar 14 07:59:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	958072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2354810	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2739057	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1886751	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1377901	9.08	ppbv	100
3) Chlorodifluoromethane	2.98	51	1550547	9.17	ppbv	100
4) Chloromethane	3.13	50	536291	9.12	ppbv	98
5) Vinyl Chloride	3.25	62	551236	8.97	ppbv	99
6) Bromomethane	3.46	94	291319	8.99	ppbv	97
7) Chloroethane	3.55	64	194183	9.84	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1308019	9.27	ppbv	98
9) Propene	3.00	41	509674	9.12	ppbv	98
10) Heptane	8.10	43	1321105	9.72	ppbv	99
11) Trichlorofluoromethane	3.94	101	1333296	9.18	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	924462	8.68	ppbv	97
13) Ethanol	3.60	45	32763	5.88	ppbv	70
14) Bromoethene	3.73	108	391202	9.22	ppbv	98
15) Acetone	3.84	43	627667	7.70	ppbv	97
16) 1,3-Butadiene	3.32	39	529129	9.72	ppbv	99
17) tert-Butyl alcohol	4.28	59	825942	10.16	ppbv	99
18) 1,1-Dichloroethene	4.28	96	420076	8.98	ppbv	98
19) Isopropyl Alcohol	3.95	45	445607	9.44	ppbv	99
20) Methylene Chloride	4.33	84	334569	8.29	ppbv	98
21) Allyl Chloride	4.40	41	607880	8.83	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	440147	9.33	ppbv	94
23) Vinyl Acetate	5.06	43	933360	8.64	ppbv	99
24) 1,1-Dichloroethane	4.99	63	857343	8.83	ppbv	99
25) Ethyl Acetate	5.66	43	2088370	9.54	ppbv	100
26) Hexane	5.67	57	931156	9.39	ppbv	99
27) Carbon Disulfide	4.54	76	1068162	9.69	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	915757	9.07	ppbv	98
29) Chloroform	5.74	83	1557399	9.63	ppbv	100
30) Cyclohexane	7.11	84	819061	10.10	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	955922	9.95	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	1543833	9.49	ppbv	99
34) 2-Butanone	5.23	43	903603	12.20	ppbv	98
35) Carbon Tetrachloride	7.00	117	1608467	9.71	ppbv	99
36) Benzene	6.87	78	1998643	9.64	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1161818	9.70	ppbv	100
38) Trichloroethene	7.81	130	728535	9.65	ppbv	93
39) 1,2-Dichloropropane	7.59	63	787933	9.54	ppbv	97
40) 1,4-Dioxane	7.81	88	185717	9.48	ppbv	97
41) Tetrahydrofuran	6.03	42	496773	9.93	ppbv	98
42) Bromodichloromethane	7.77	83	1706579	9.87	ppbv	98
43) Methyl Methacrylate	7.99	69	747399	10.37	ppbv	98

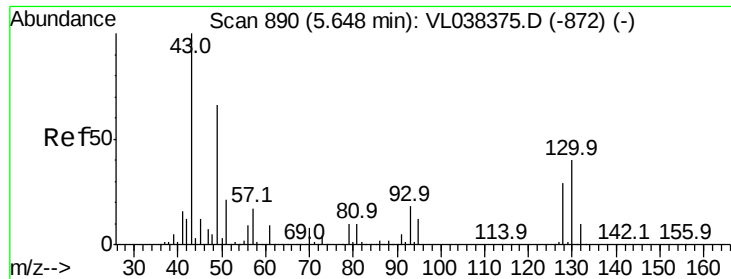
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038384.D
 Acq On : 22 Feb 2022 10:44
 Operator : SY/AP
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Quant Time: Mar 14 07:59:25 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3346295	9.39	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	568536	9.87	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	720589	9.55	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	797836	9.71	ppbv	96
48) Dibromochloromethane	10.28	129	1371416	10.21	ppbv	99
49) Bromoform	13.01	173	1045239	10.54	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1370762	10.47	ppbv	99
51) 2-Hexanone	10.11	43	611160	10.43	ppbv #	99
52) Tetrachloroethene	11.19	164	651537	9.47	ppbv	96
53) Toluene	9.78	91	2257819	10.03	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1163070	10.06	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	878501	7.69	ppbv	98
57) Chlorobenzene	12.12	112	1572720	7.44	ppbv	99
58) Ethyl Benzene	12.68	91	2958205	7.90	ppbv	99
59) m/p-Xylene	12.97	91	2746525	8.54	ppbv #	43
60) o-Xylene	13.66	91	2359997	7.76	ppbv	99
61) Styrene	13.50	104	1214608	8.66	ppbv	99
62) Isopropylbenzene	14.64	105	3208135	7.86	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1771066	7.17	ppbv	99
64) n-propylbenzene	15.54	120	817207	8.09	ppbv	95
65) tert-Butylbenzene	16.72	119	2840281	8.03	ppbv	99
66) Benzyl Chloride	16.96	91	143851	7.53	ppbv #	98
67) sec-Butylbenzene	17.27	105	3995621	7.98	ppbv	100
69) p-Isopropyltoluene	17.63	119	3302767	8.39	ppbv	100
70) n-Butylbenzene	18.52	91	3495616	8.59	ppbv	100
71) 2-Chlorotoluene	15.42	91	2508033	7.99	ppbv	99
72) 4-Ethyltoluene	15.81	105	2784799	8.31	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2506071	8.24	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2632043	8.19	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	1445500	8.03	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1402230	7.90	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	1392565	8.04	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1041829	7.89	ppbv	99
79) Naphthalene	22.16	128	1935778	11.12	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	399010	11.73	ppbv	96
81) 1,2,4-Trichlorobenzene	21.89	180	1075296	10.22	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: VL0222ABS01 ClientSampleId:

Acq: 22 Feb 2022 10:44

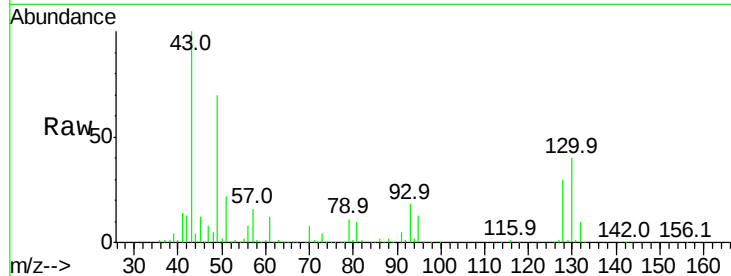
Tgt Ion: 49 Resp: 958072

Ion Ratio Lower Upper

49 100

128 49.3 24.3 72.9

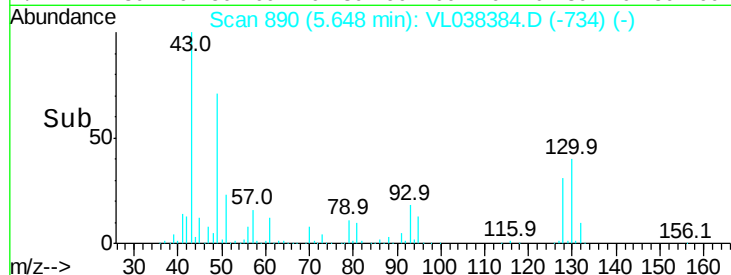
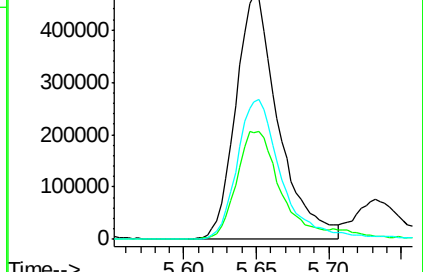
130 60.6 30.1 90.5



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: 9.08 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL038384.D

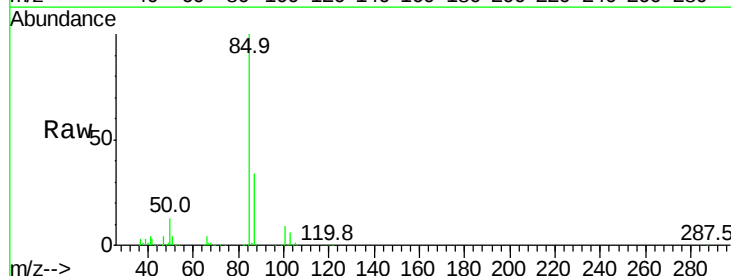
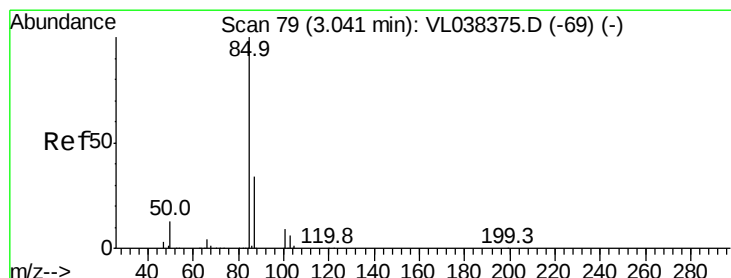
Acq: 22 Feb 2022 10:44

Tgt Ion: 85 Resp: 1377901

Ion Ratio Lower Upper

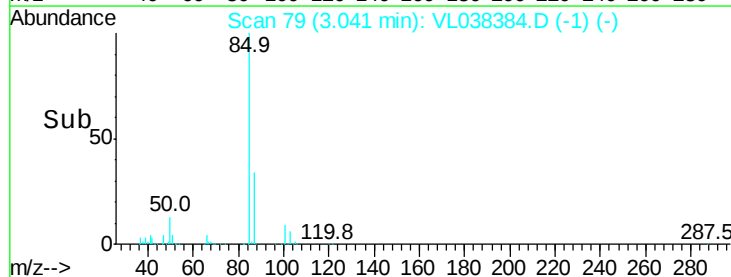
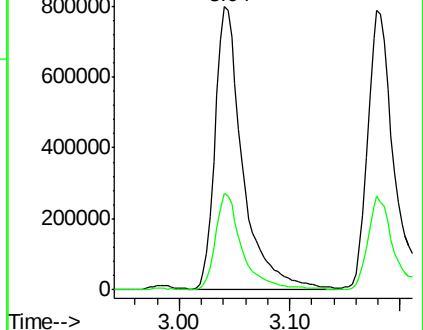
85 100

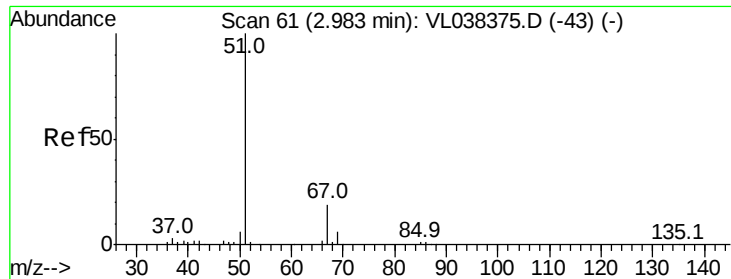
87 33.9 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.17 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VL0222ABS01 ClientSampleId:

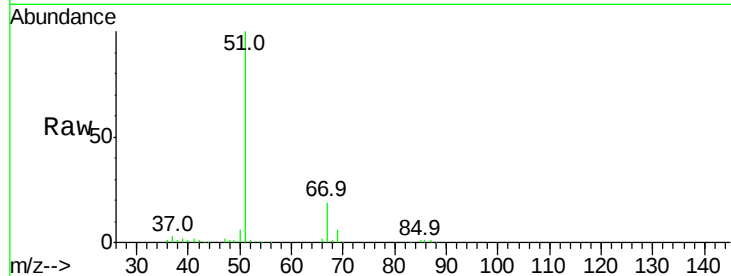
Acq: 22 Feb 2022 10:44

Tgt Ion: 51 Resp: 1550547

Ion Ratio Lower Upper

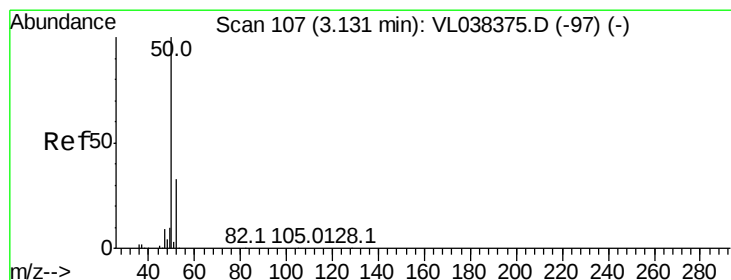
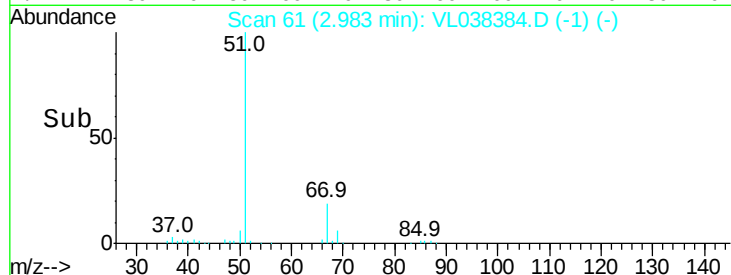
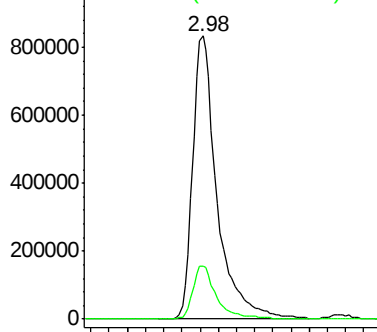
51 100

67 18.5 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.12 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL038384.D

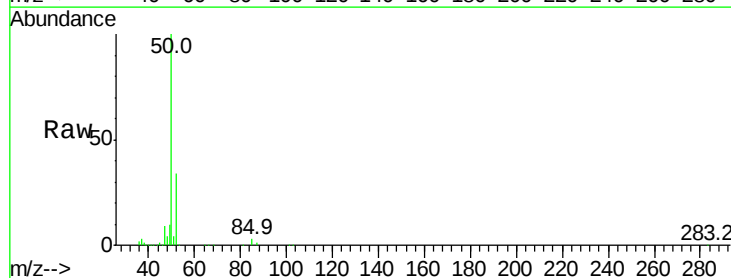
Acq: 22 Feb 2022 10:44

Tgt Ion: 50 Resp: 536291

Ion Ratio Lower Upper

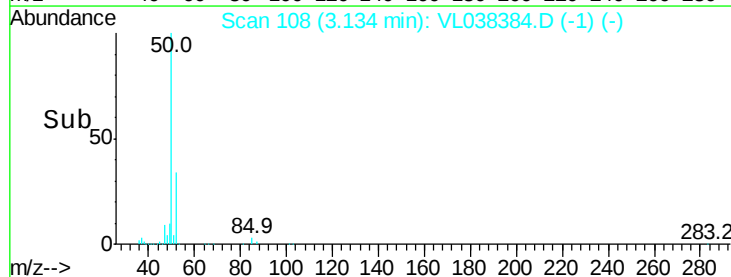
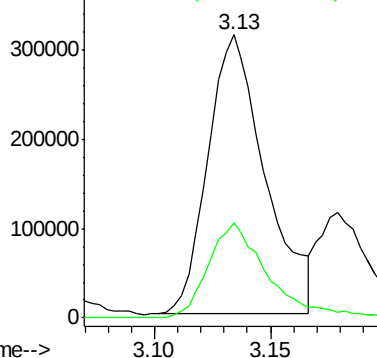
50 100

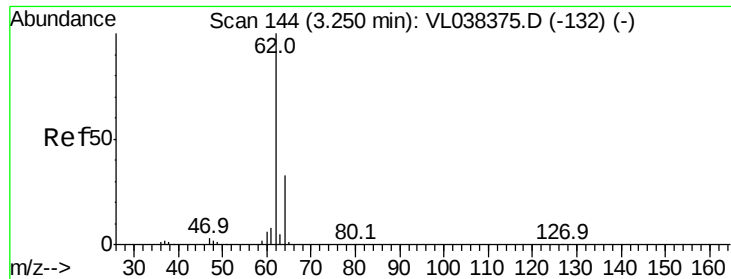
52 34.0 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.97 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VL0222ABS01 ClientSampleId:

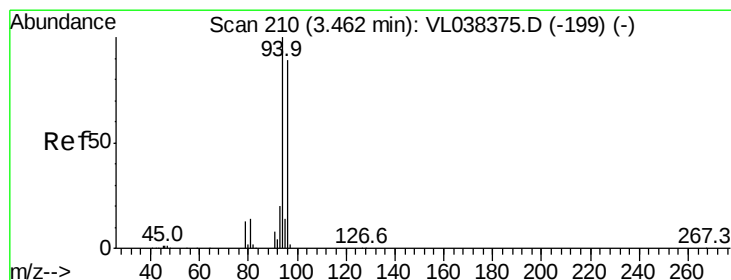
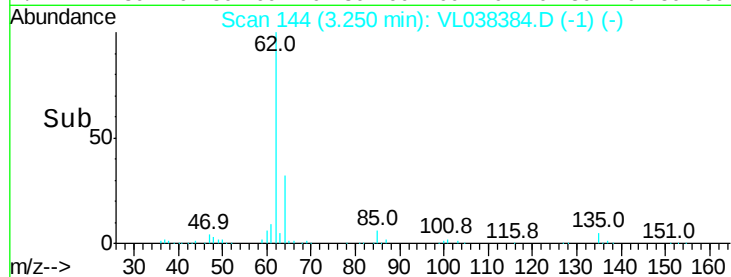
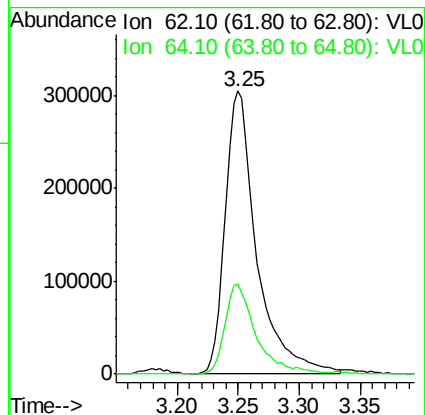
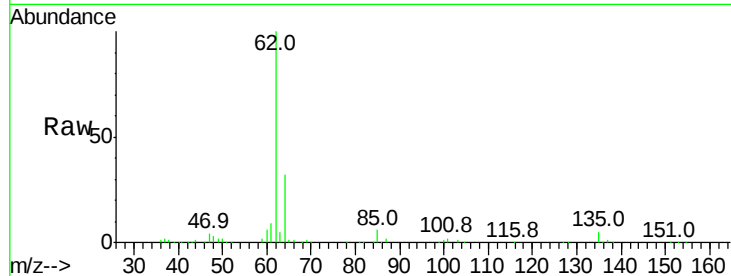
Acq: 22 Feb 2022 10:44

Tgt Ion: 62 Resp: 551236

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2



#6

Bromomethane

Concen: 8.99 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL038384.D

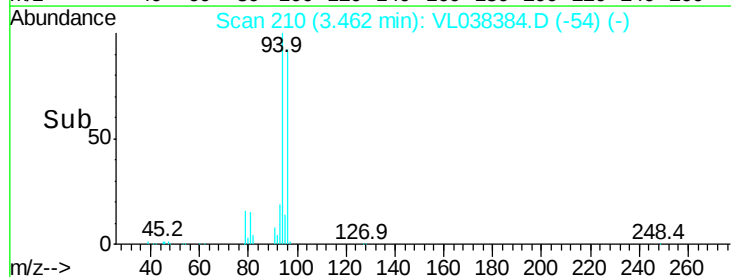
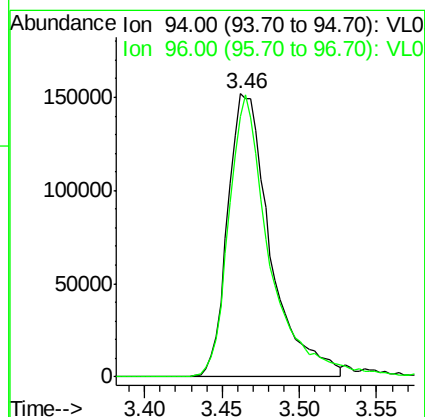
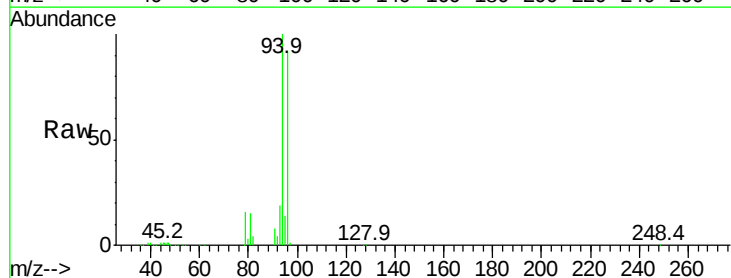
Acq: 22 Feb 2022 10:44

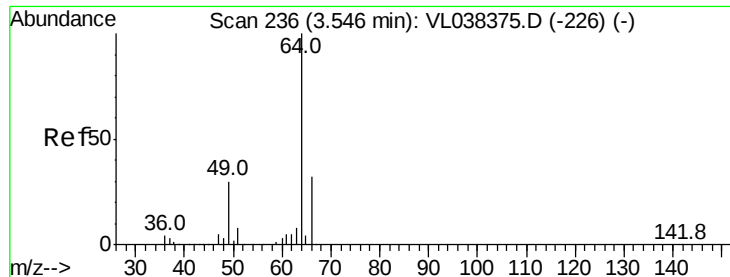
Tgt Ion: 94 Resp: 291319

Ion Ratio Lower Upper

94 100

96 92.0 71.0 106.6





#7

Chloroethane

Concen: 9.84 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

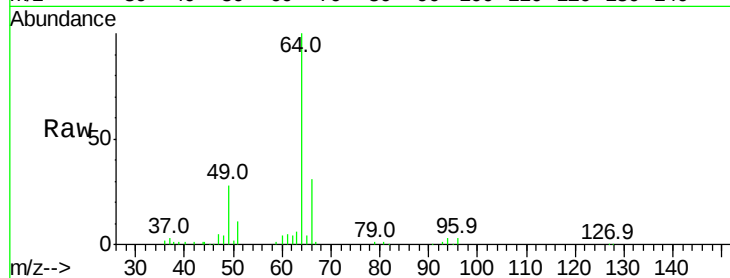
Acq: 22 Feb 2022 10:44 VL0222ABS01

Tgt Ion: 64 Resp: 194183

Ion Ratio Lower Upper

64 100

66 30.7 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

120000

100000

80000

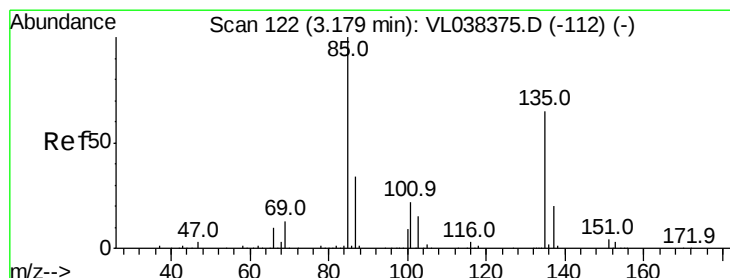
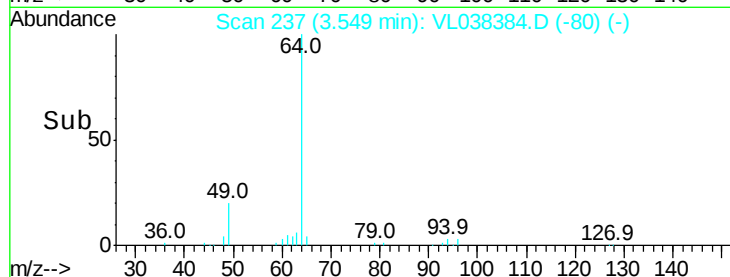
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.27 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL038384.D

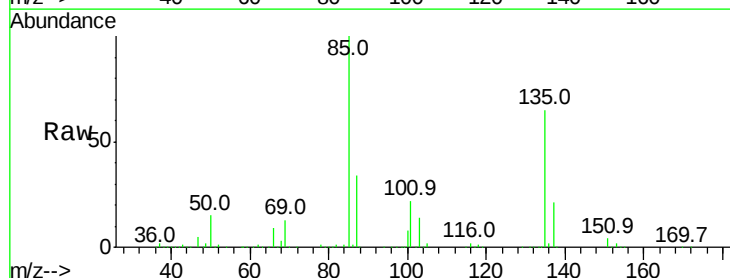
Acq: 22 Feb 2022 10:44

Tgt Ion: 85 Resp: 1308019

Ion Ratio Lower Upper

85 100

135 68.9 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

800000

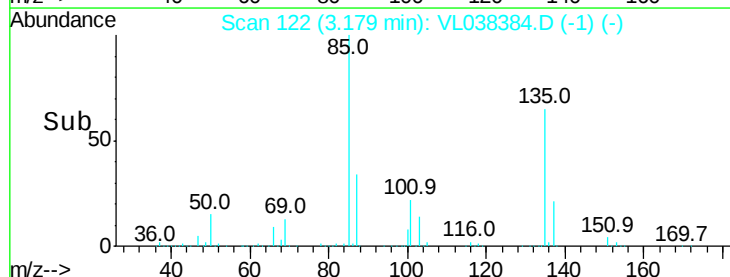
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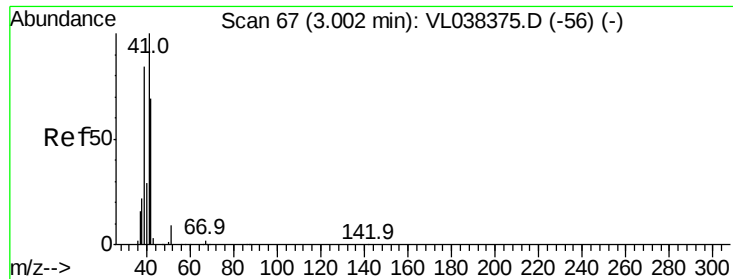
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200000

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Time-->





#9

Propene

Concen: 9.12 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0222ABS01

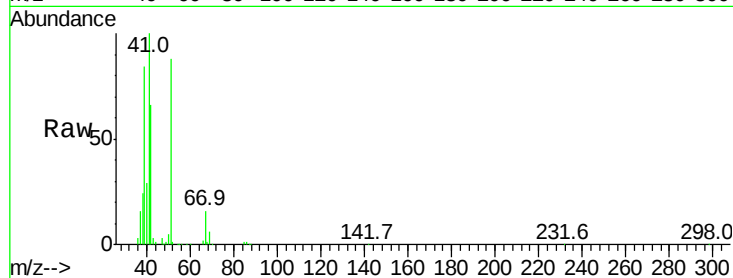
Acq: 22 Feb 2022 10:44

Tgt Ion: 41 Resp: 509674

Ion Ratio Lower Upper

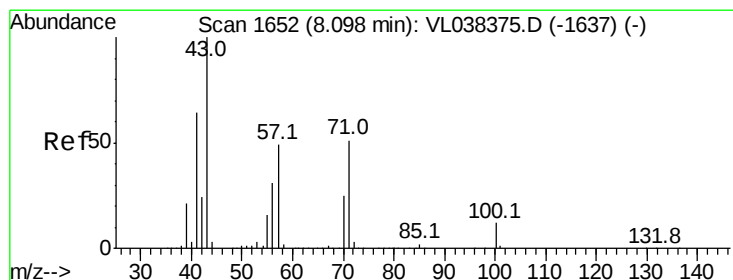
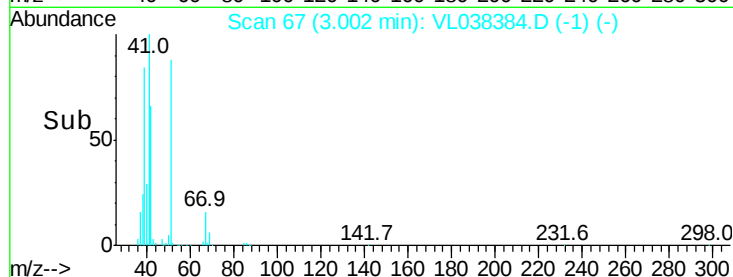
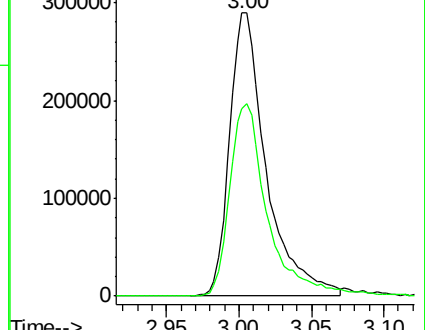
41 100

42 70.3 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.72 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL038384.D

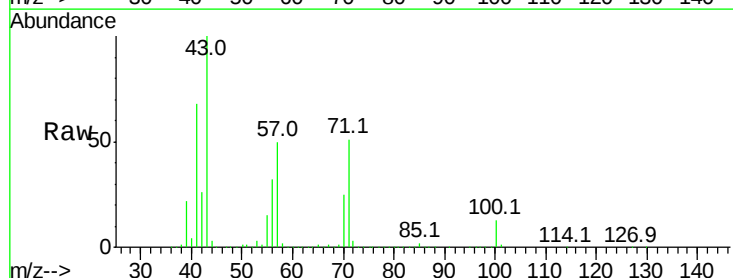
Acq: 22 Feb 2022 10:44

Tgt Ion: 43 Resp: 1321105

Ion Ratio Lower Upper

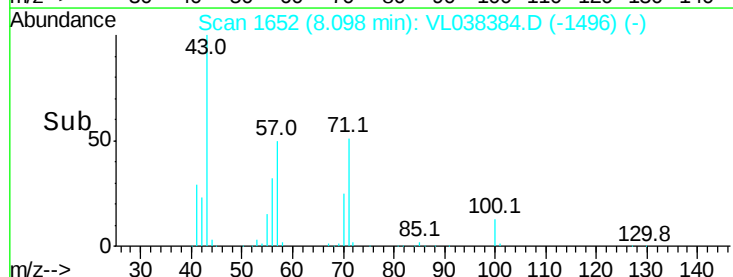
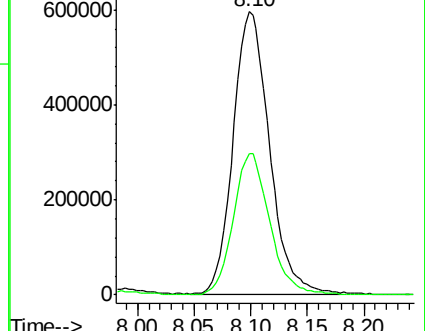
43 100

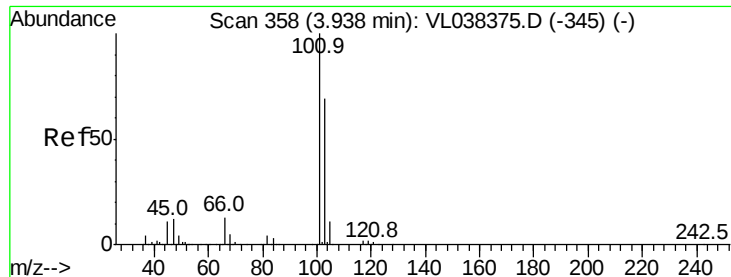
57 50.3 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

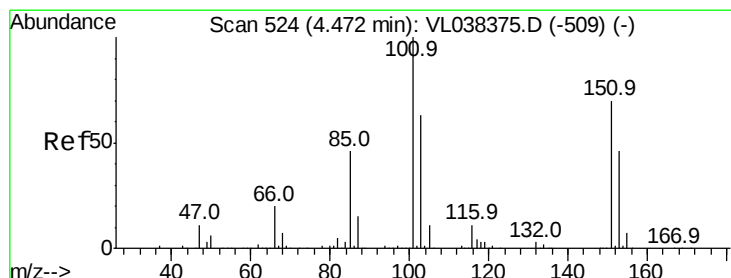
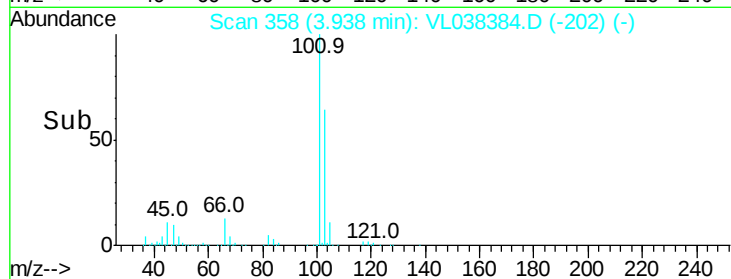
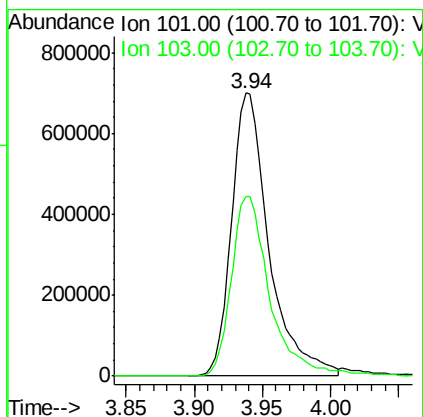
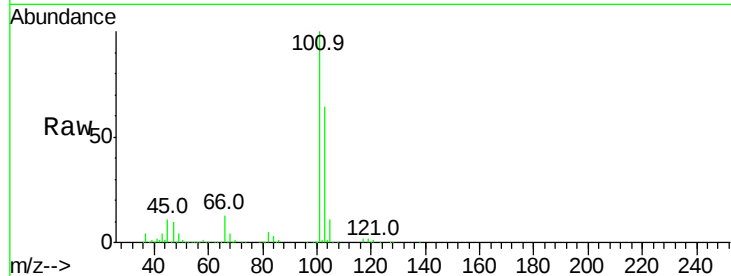
Ion 57.10 (56.80 to 57.80): VL0





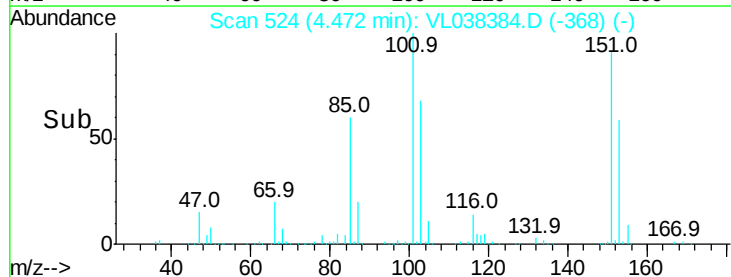
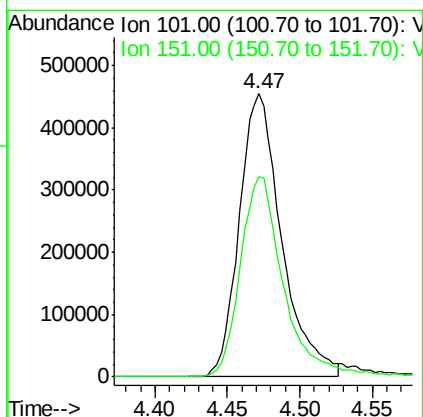
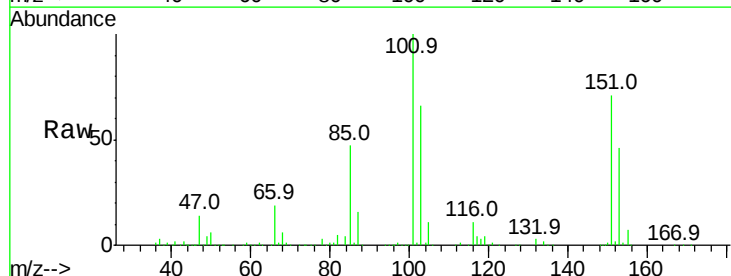
#11
 Trichlorofluoromethane
 Concen: 9.18 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Feb 2022 10:44

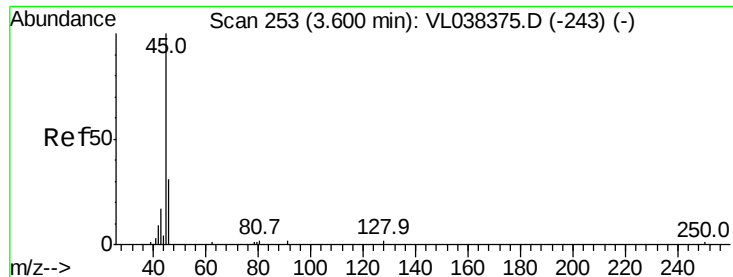
Tgt Ion:101 Resp: 1333296
 Ion Ratio Lower Upper
 101 100
 103 63.7 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.68 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

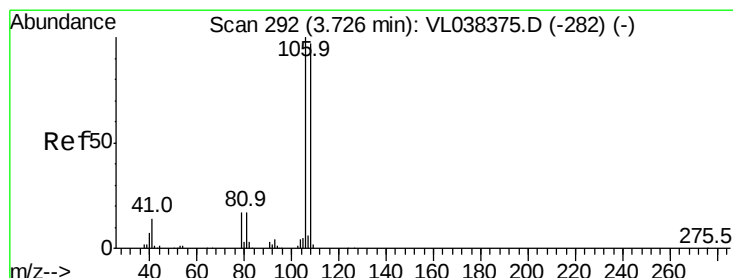
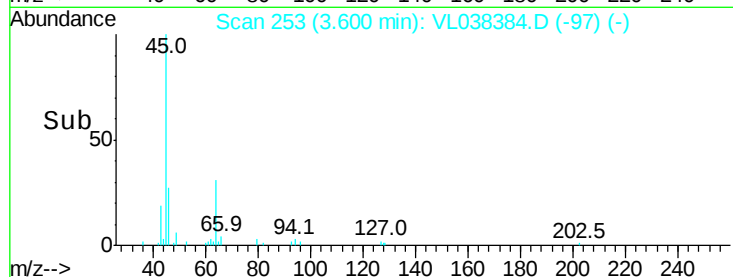
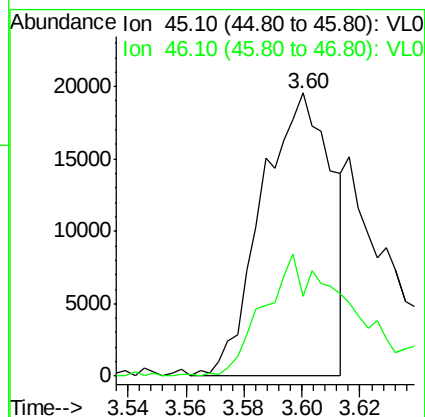
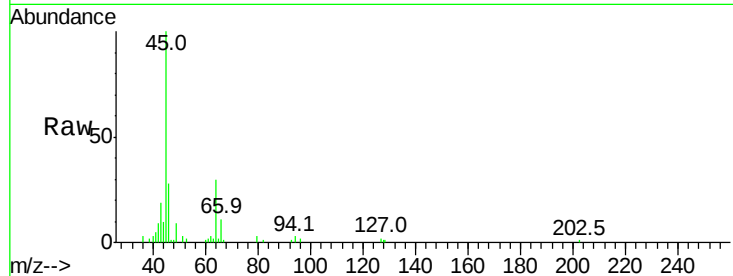
Tgt Ion:101 Resp: 924462
 Ion Ratio Lower Upper
 101 100
 151 72.5 55.9 83.9





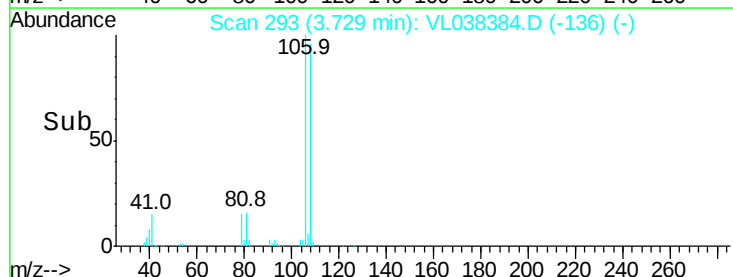
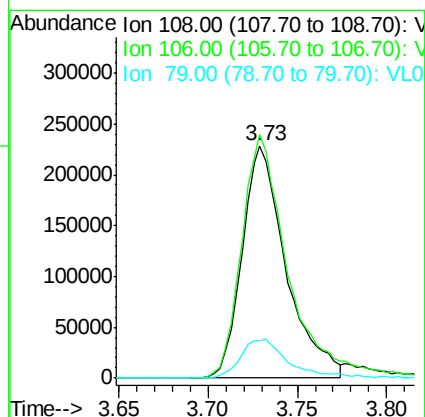
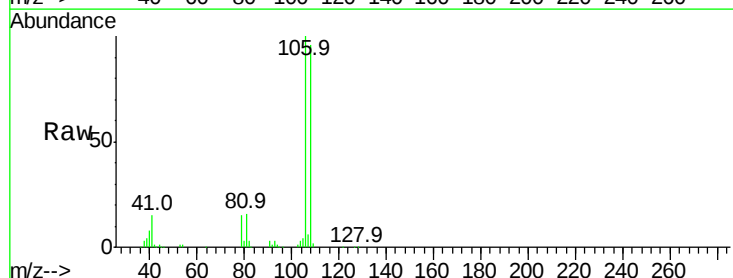
#13
Ethanol
Concen: 5.88 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0222ABS01
Acq: 22 Feb 2022 10:44

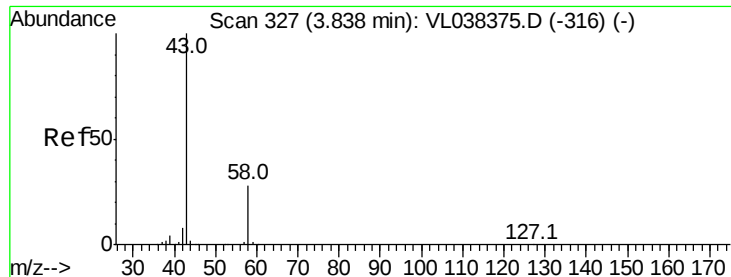
Tgt Ion: 45 Resp: 32763
Ion Ratio Lower Upper
45 100
46 64.9 18.2 72.8



#14
Bromoethene
Concen: 9.22 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

Tgt Ion: 108 Resp: 391202
Ion Ratio Lower Upper
108 100
106 113.0 88.4 132.6
79 19.1 15.0 22.6





#15

Acetone

Concen: 7.70 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

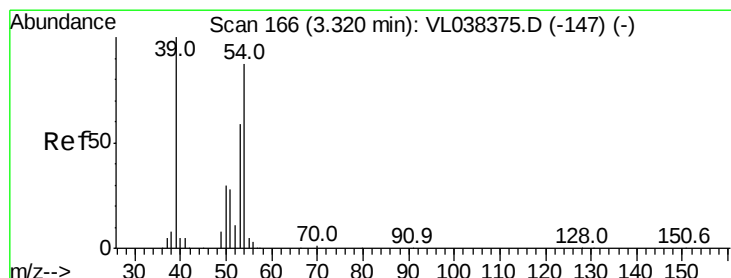
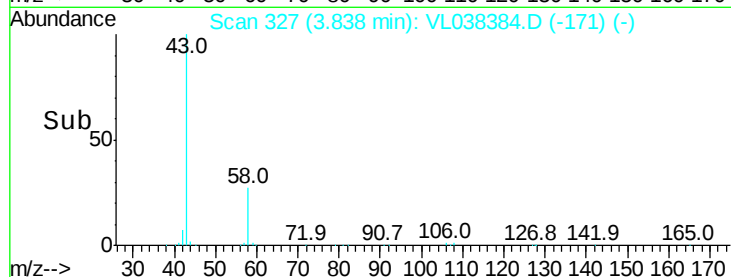
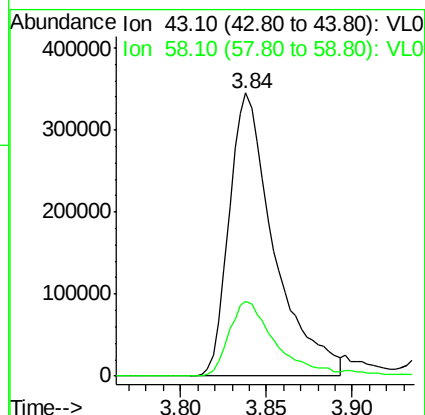
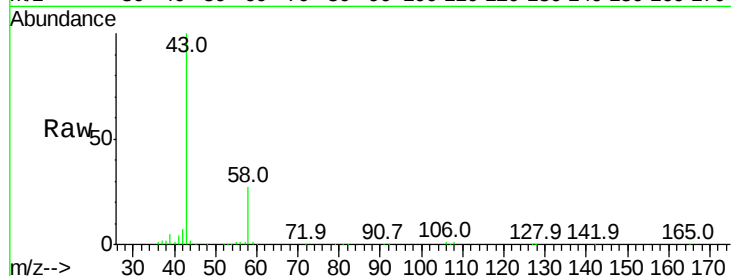
Acq: 22 Feb 2022 10:44

Tgt Ion: 43 Resp: 627667

Ion Ratio Lower Upper

43 100

58 28.5 21.7 32.5



#16

1,3-Butadiene

Concen: 9.72 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL038384.D

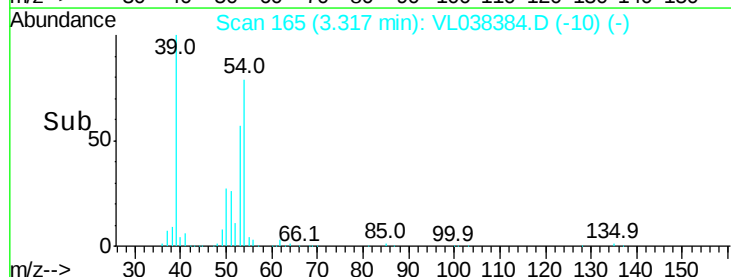
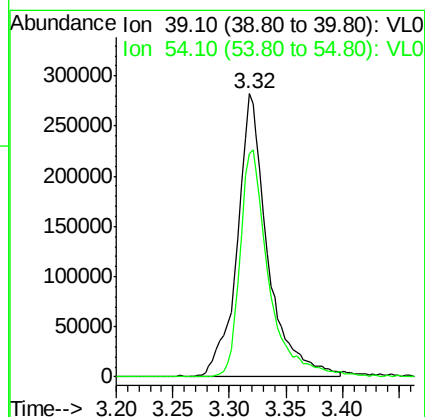
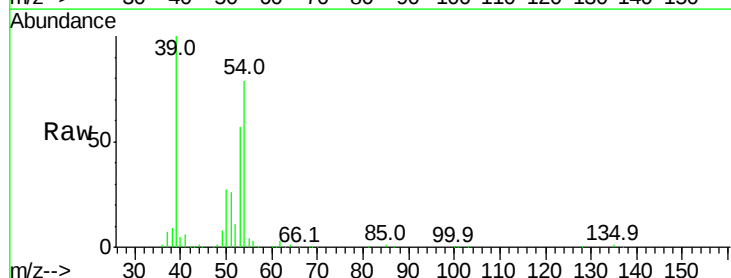
Acq: 22 Feb 2022 10:44

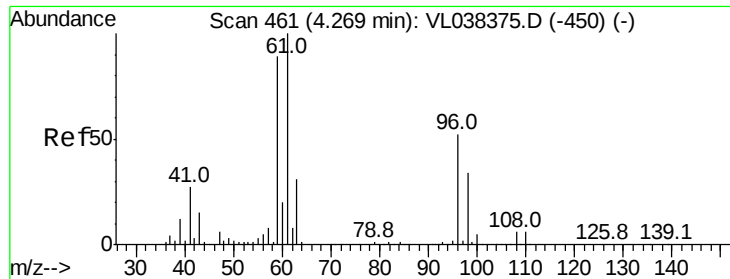
Tgt Ion: 39 Resp: 529129

Ion Ratio Lower Upper

39 100

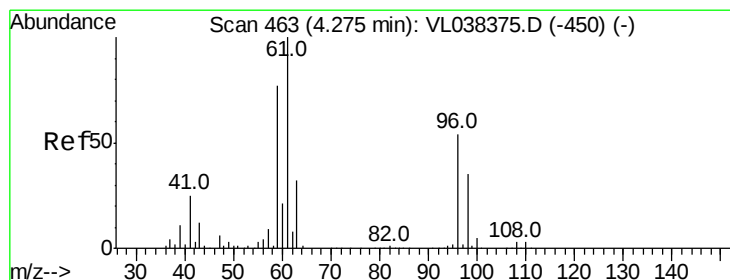
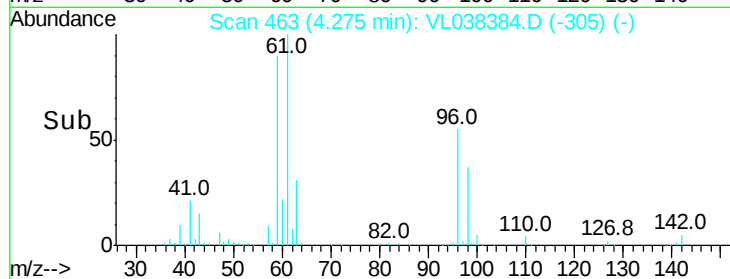
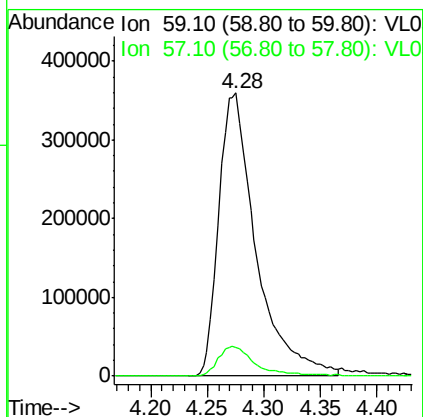
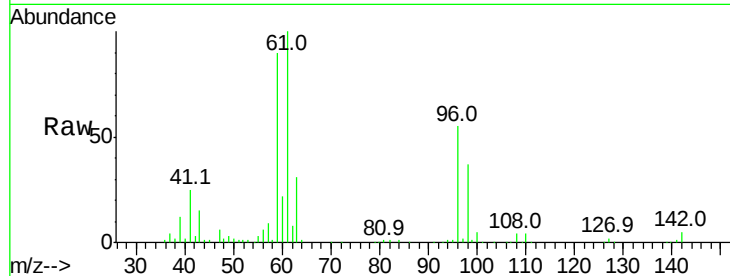
54 76.4 60.3 90.5





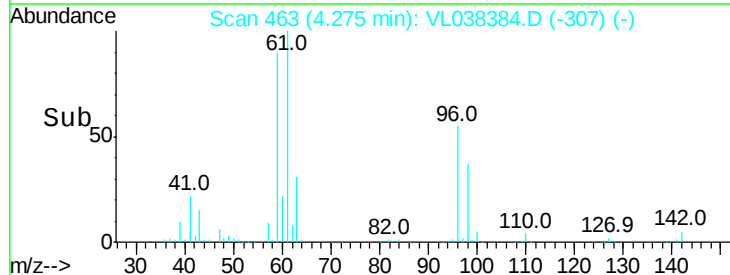
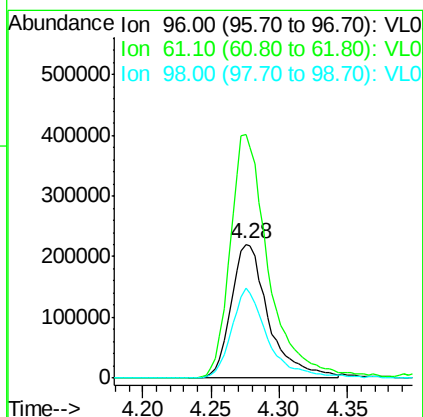
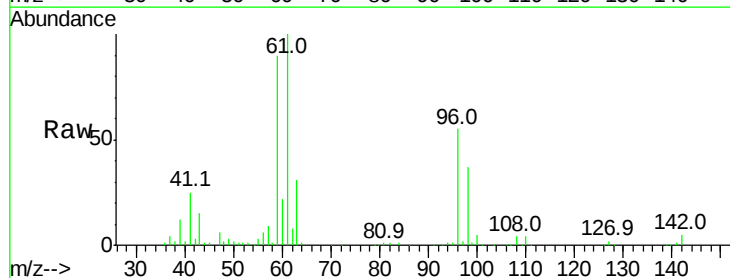
#17
 tert-Butyl alcohol
 Concen: 10.16 ppbv
 RT: 4.28 min
 Instrument: MSVOA_1
 Delta R.T.: 0.00 min
 Lab File: VL0222ABS01
 Acq: 22 Feb 2022 10:44

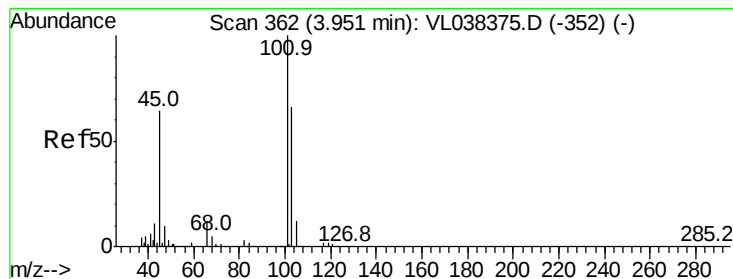
Tgt Ion: 59 Resp: 825942
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 8.98 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T.: 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 96 Resp: 420076
 Ion Ratio Lower Upper
 96 100
 61 182.1 146.8 220.2
 98 67.3 51.5 77.3





#19

Isopropyl Alcohol

Concen: 9.44 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

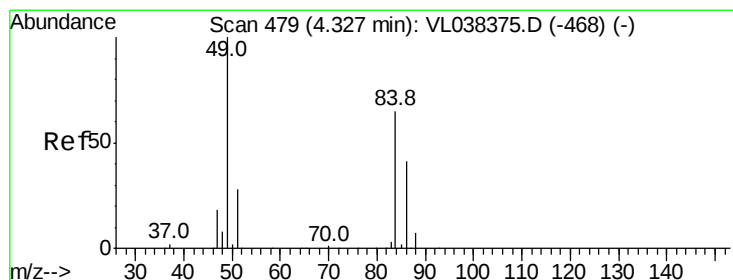
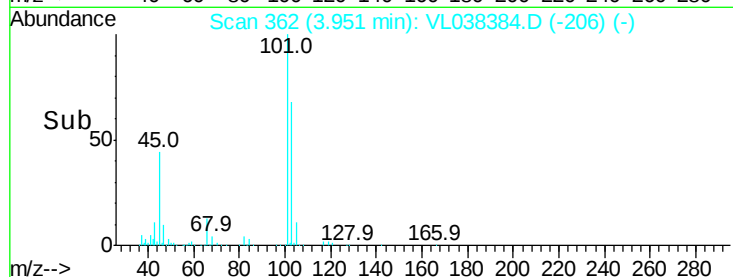
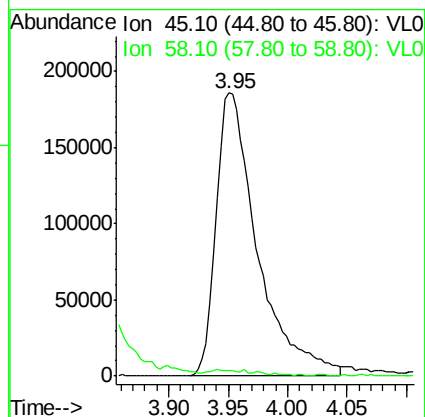
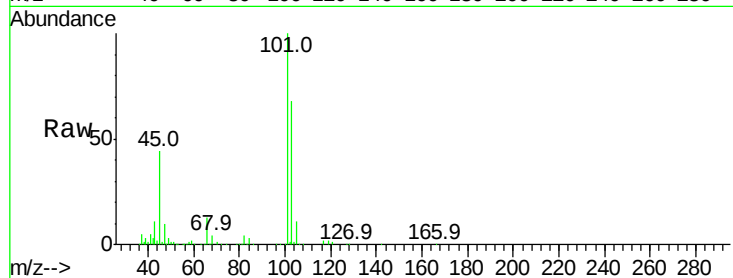
Acq: 22 Feb 2022 10:44 VL0222ABS01

Tgt Ion: 45 Resp: 445607

Ion Ratio Lower Upper

45 100

58 2.5 1.8 2.8



#20

Methylene Chloride

Concen: 8.29 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

Tgt Ion: 84 Resp: 334569

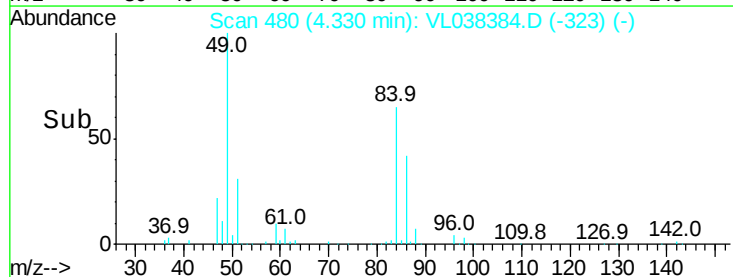
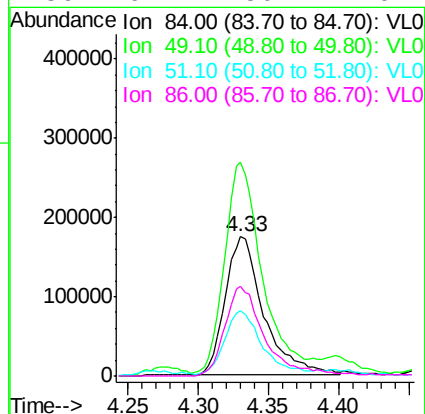
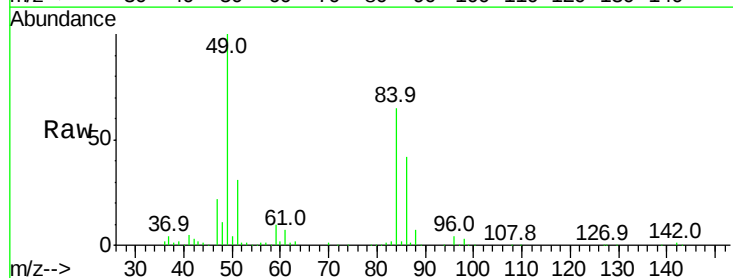
Ion Ratio Lower Upper

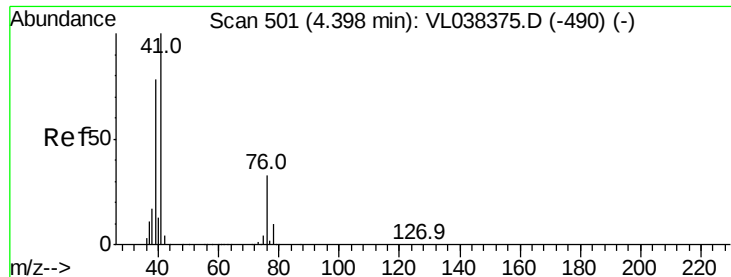
84 100

49 152.1 122.4 183.6

51 46.2 33.3 49.9

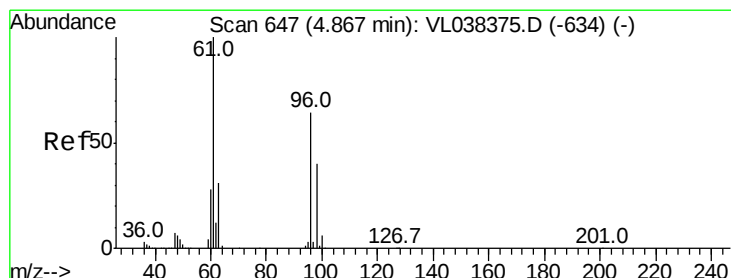
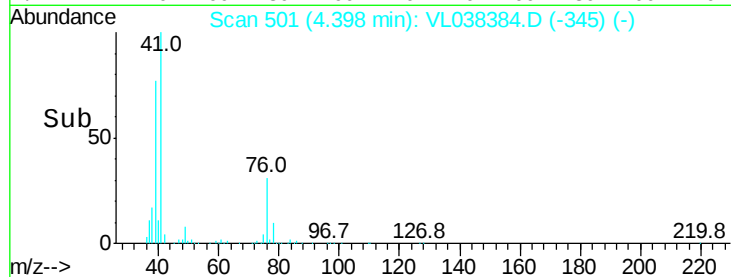
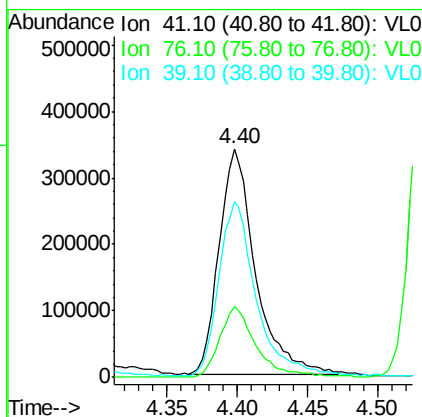
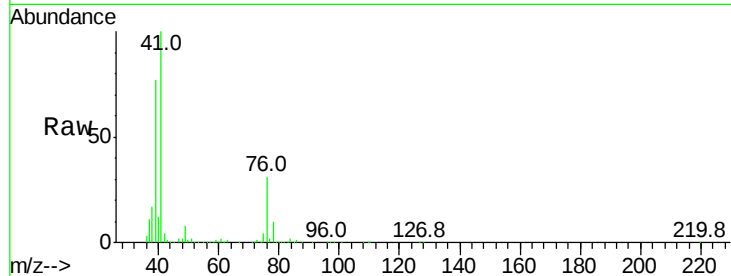
86 64.4 50.7 76.1





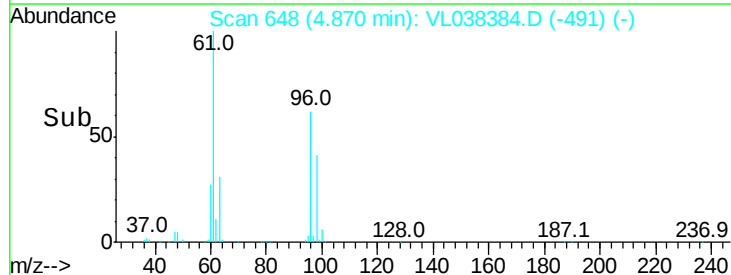
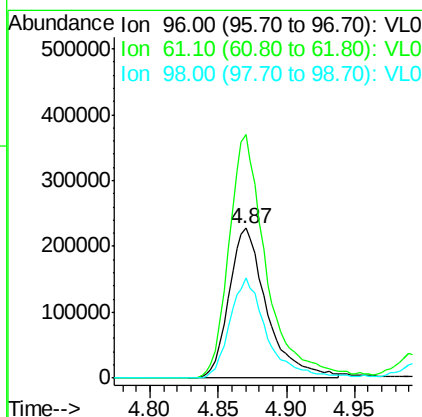
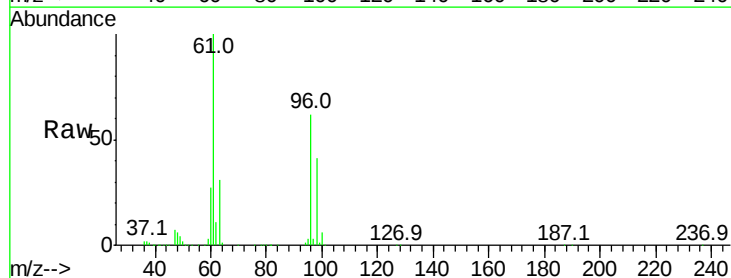
#21
 Allyl Chloride
 Concen: 8.83 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0222ABS01
 Acq: 22 Feb 2022 10:44

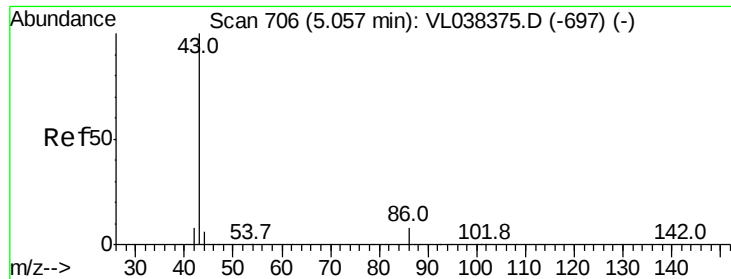
Tgt Ion: 41 Resp: 607880
 Ion Ratio Lower Upper
 41 100
 76 31.6 25.4 38.0
 39 80.9 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.33 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 96 Resp: 440147
 Ion Ratio Lower Upper
 96 100
 61 162.5 124.2 186.4
 98 66.6 49.1 73.7





#23

Vinyl Acetate

Concen: 8.64 ppbv

RT: 5.06 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 22 Feb 2022 10:44 VL0222ABS01

Tgt Ion: 43 Resp: 933360

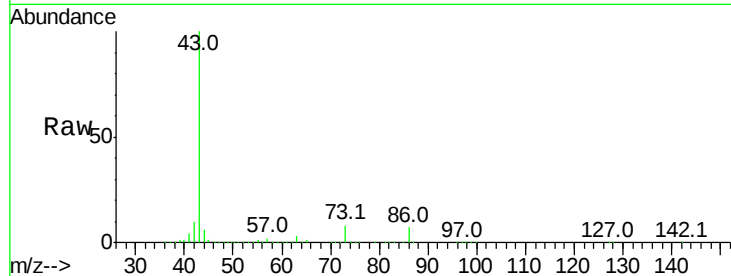
Ion Ratio Lower Upper

43 100

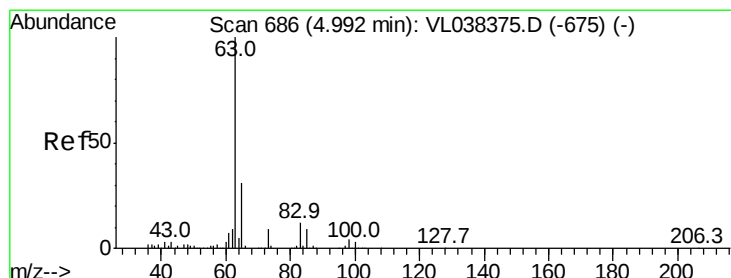
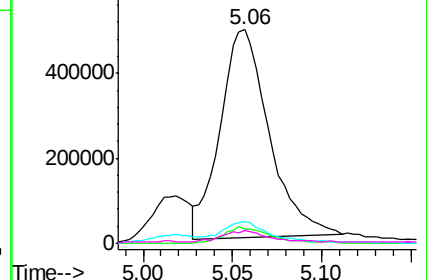
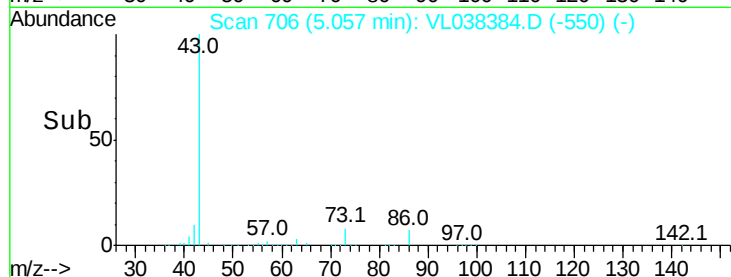
86 6.9 5.8 8.6

42 9.8 7.4 11.0

44 5.6 4.2 6.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.83 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

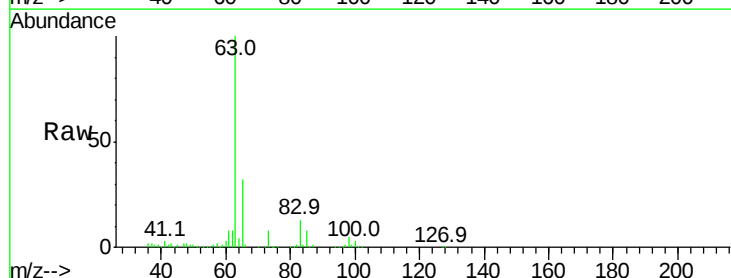
Tgt Ion: 63 Resp: 857343

Ion Ratio Lower Upper

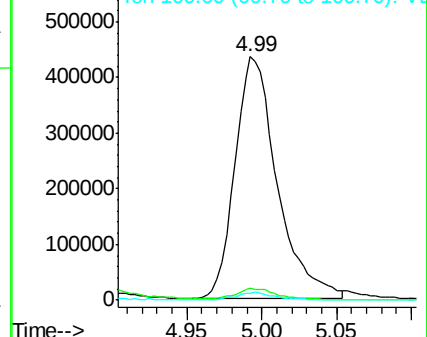
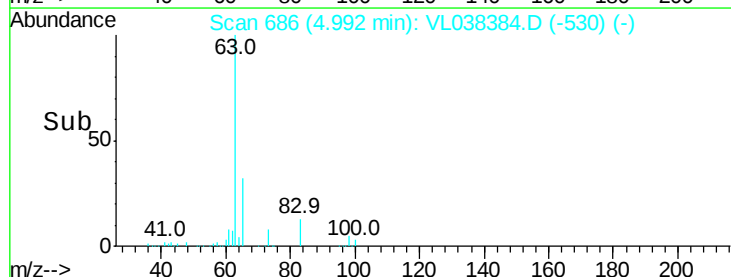
63 100

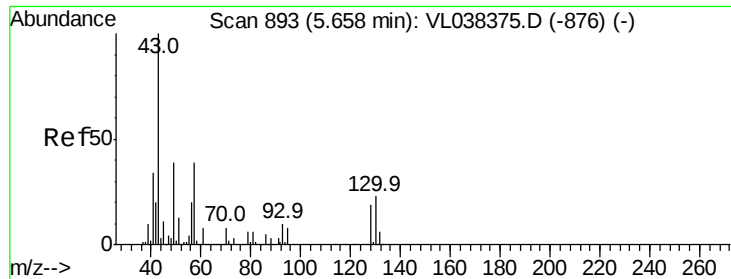
98 4.7 2.1 6.5

100 2.6 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

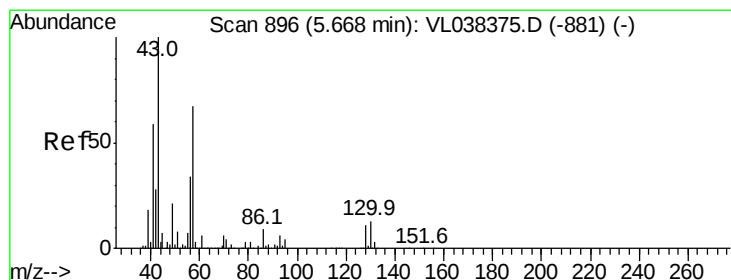
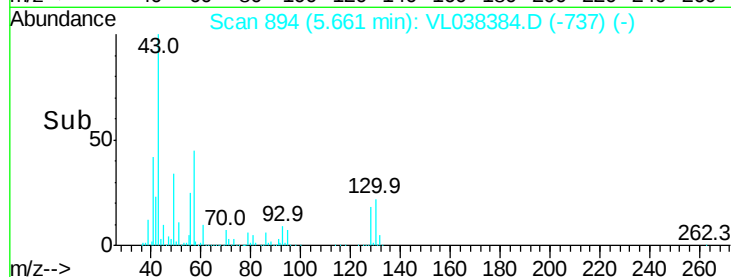
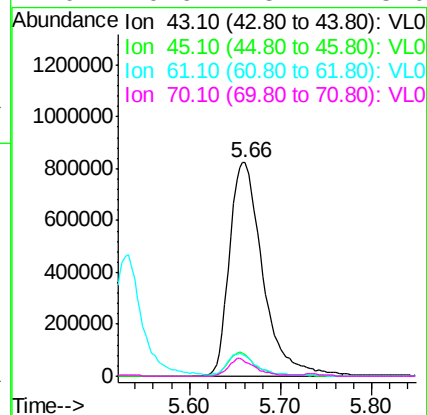
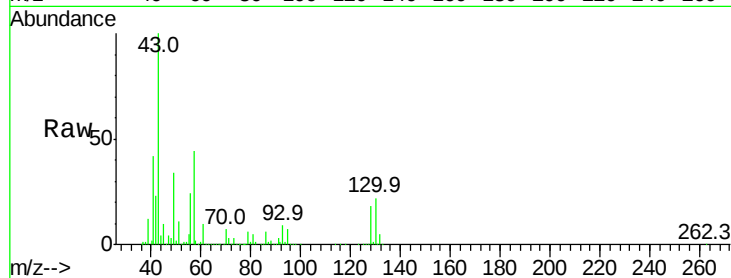




#25
Ethyl Acetate
Concen: 9.54 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0222ABS01
Acq: 22 Feb 2022 10:44

Tgt Ion: 43 Resp: 2088370

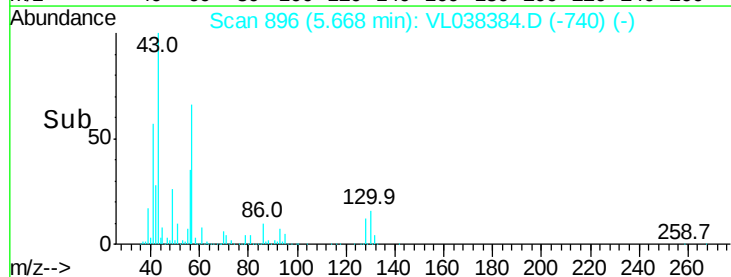
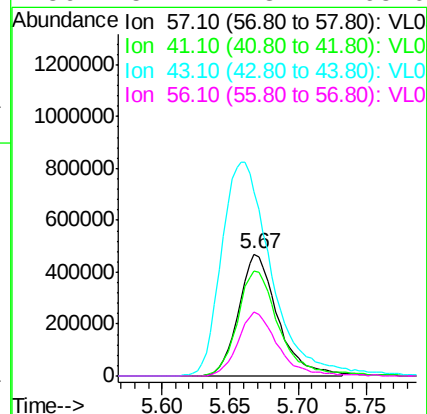
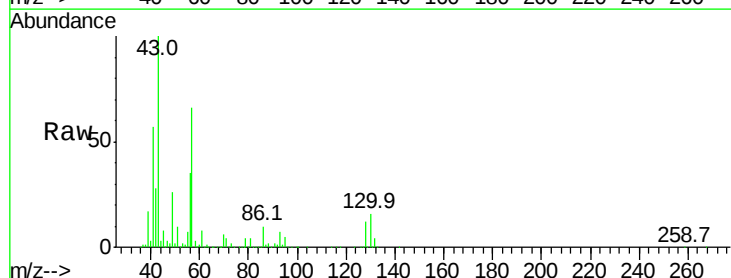
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.5	7.5	11.3
70	6.6	5.4	8.0

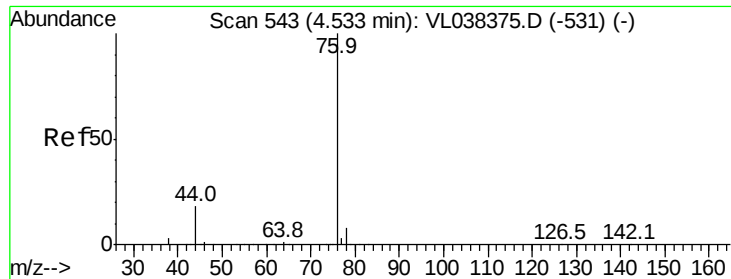


#26
Hexane
Concen: 9.39 ppbv
RT: 5.67 min Scan# 896
Delta R.T.: 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

Tgt Ion: 57 Resp: 931156

Ion	Ratio	Lower	Upper
57	100		
41	93.0	73.1	109.7
43	225.7	181.0	271.4
56	54.1	43.4	65.0





#27

Carbon Disulfide

Concen: 9.69 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 10:44 VL0222ABS01

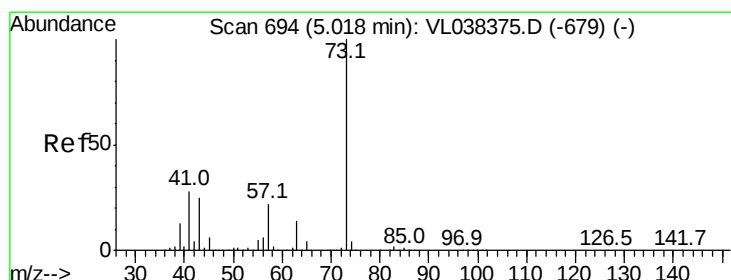
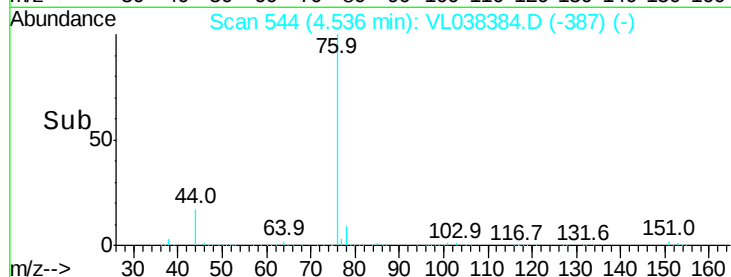
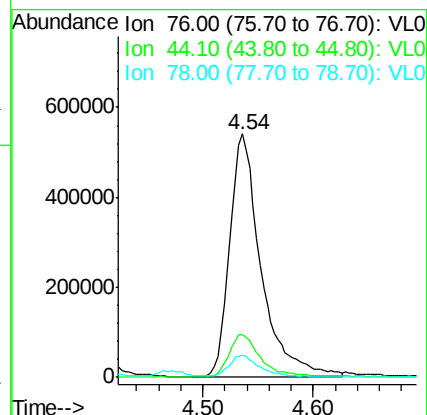
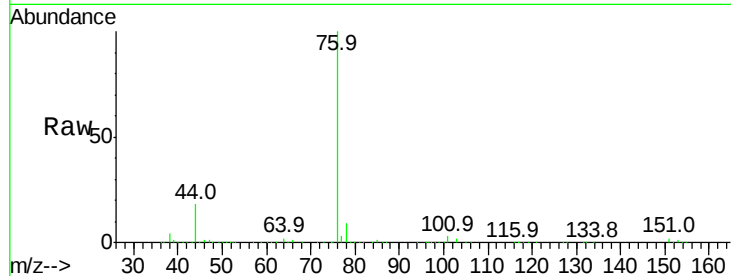
Tgt Ion: 76 Resp: 1068162

Ion Ratio Lower Upper

76 100

44 17.8 14.2 21.2

78 9.7 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 9.07 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL038384.D

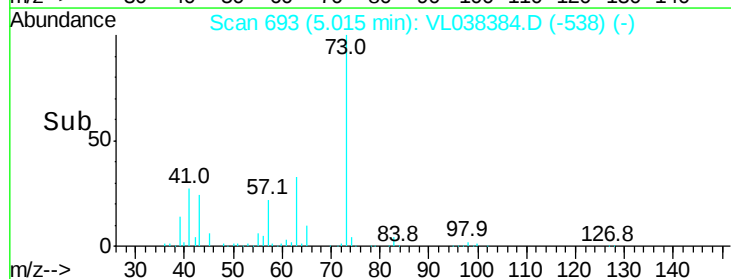
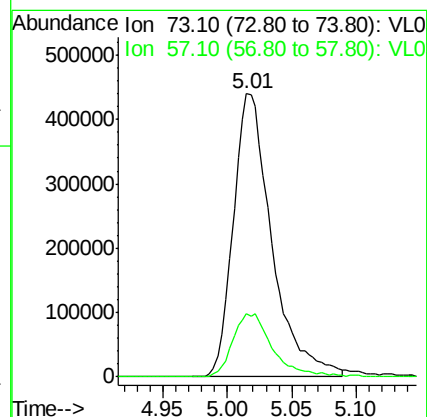
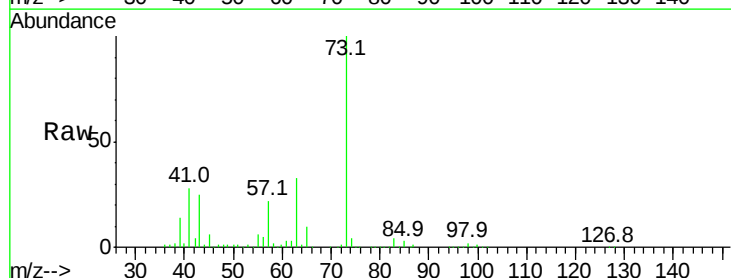
Acq: 22 Feb 2022 10:44

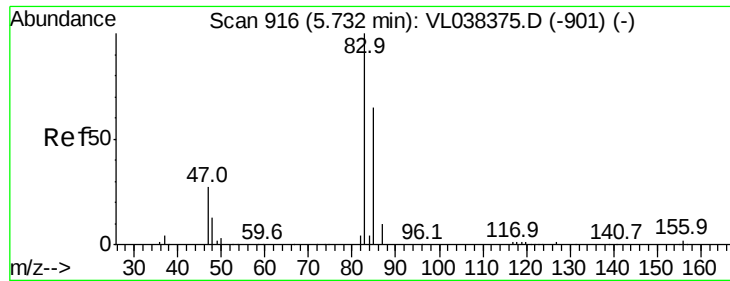
Tgt Ion: 73 Resp: 915757

Ion Ratio Lower Upper

73 100

57 23.6 18.2 27.4





#29

Chloroform

Concen: 9.63 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0222ABS01

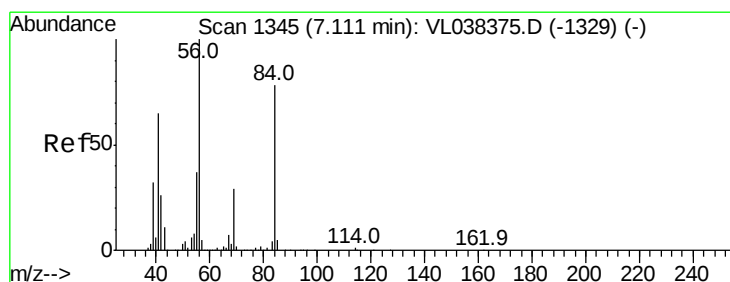
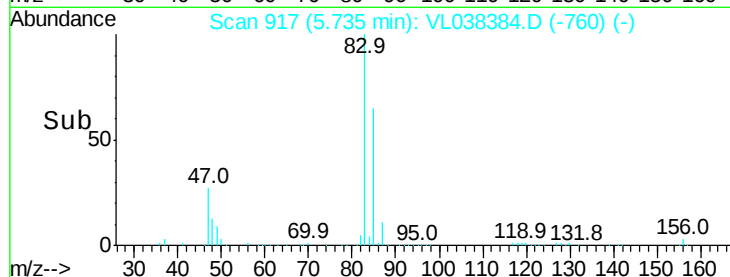
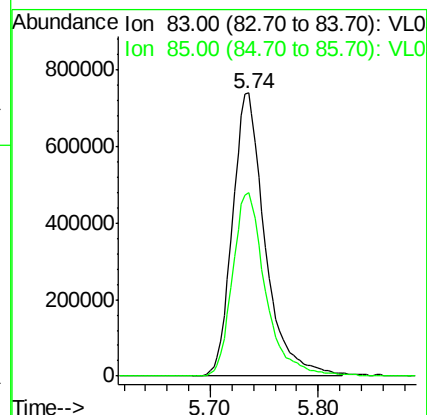
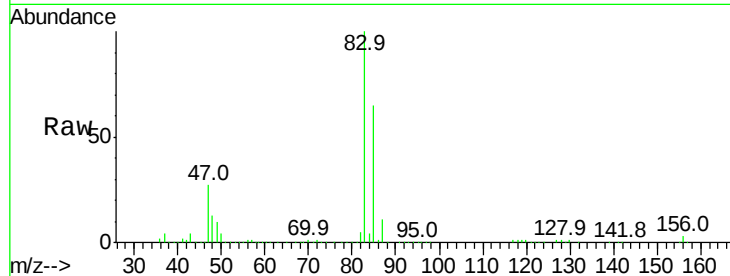
Acq: 22 Feb 2022 10:44

Tgt Ion: 83 Resp: 1557399

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4



#30

Cyclohexane

Concen: 10.10 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

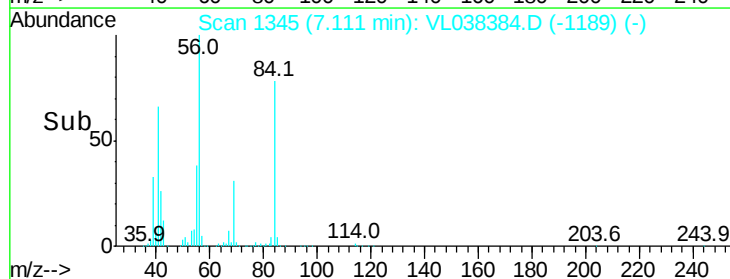
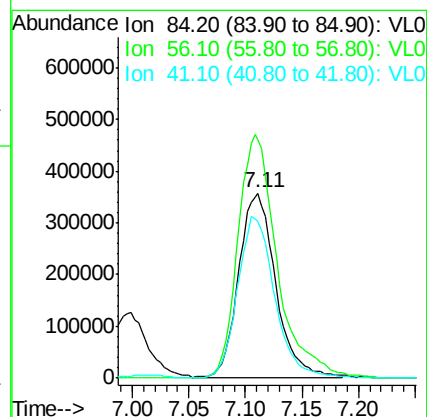
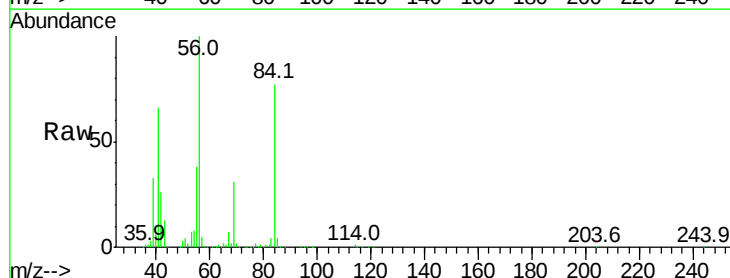
Tgt Ion: 84 Resp: 819061

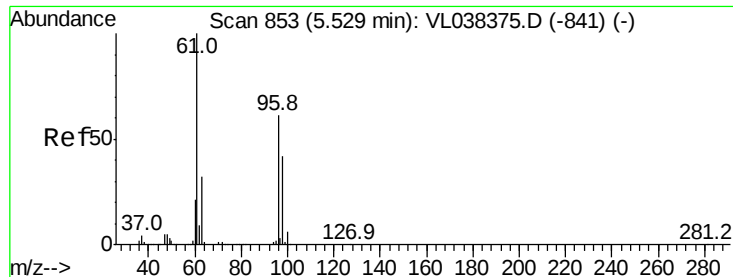
Ion Ratio Lower Upper

84 100

56 139.9 116.2 174.4

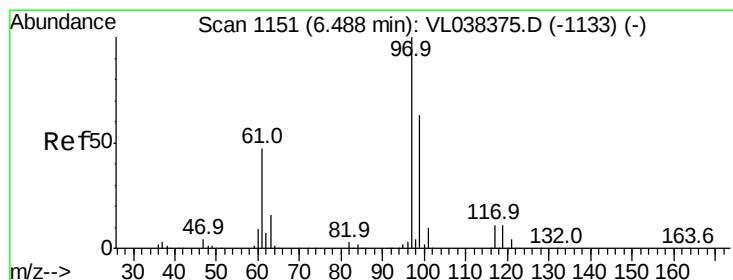
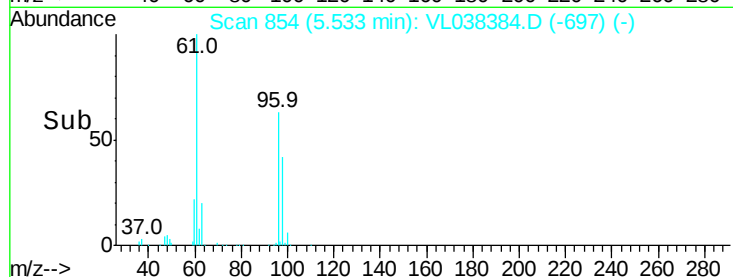
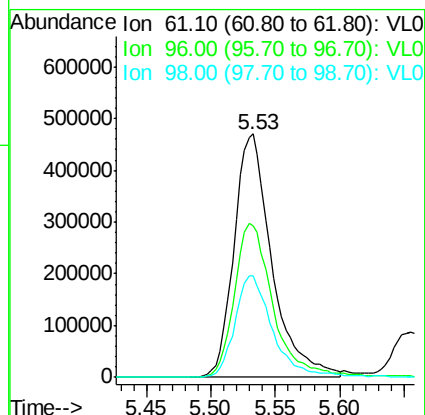
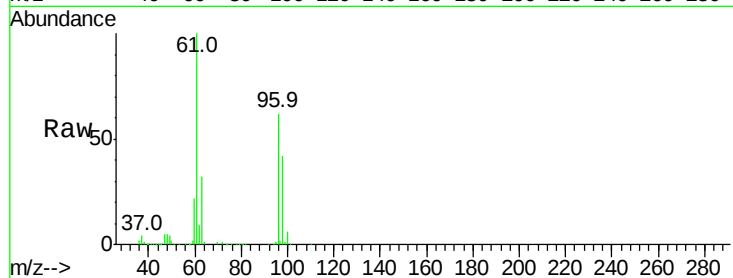
41 87.6 74.3 111.5





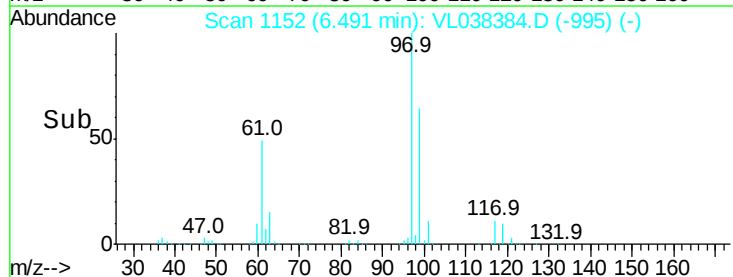
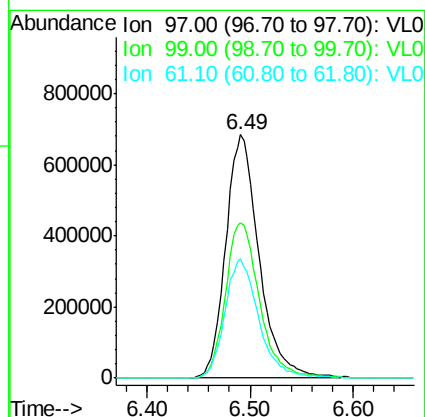
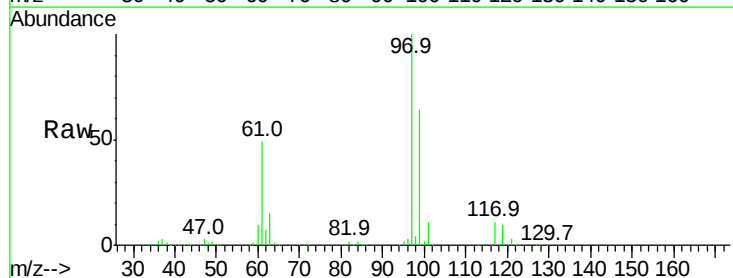
#31
 cis-1,2-Dichloroethene
 Concen: 9.95 ppbv
 RT: 5.53
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0222ABS01
 Acq: 22 Feb 2022 10:44

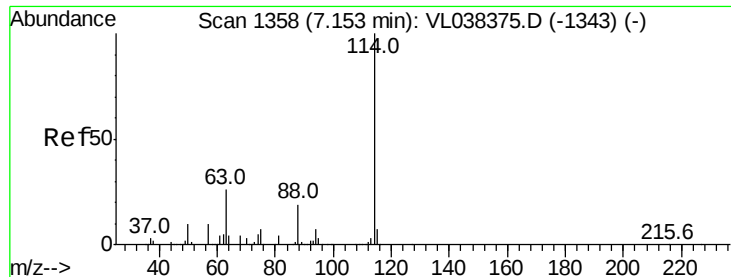
Tgt Ion: 61 Resp: 955922
 Ion Ratio Lower Upper
 61 100
 96 62.1 48.6 73.0
 98 41.7 33.2 49.8



#32
 1,1,1-Trichloroethane
 Concen: 9.49 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 97 Resp: 1543833
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.9 77.9
 61 50.1 40.5 60.7

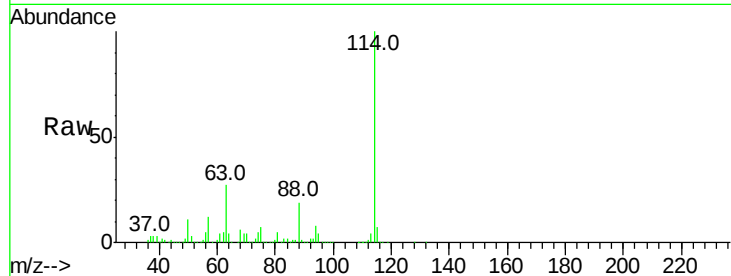




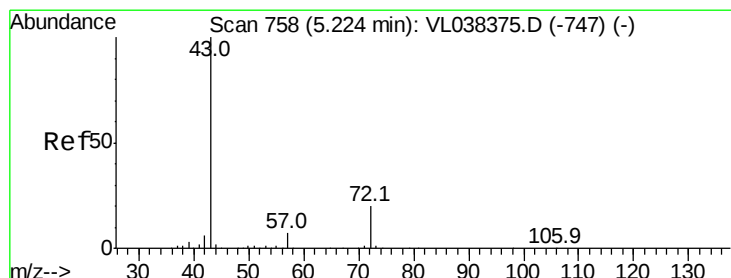
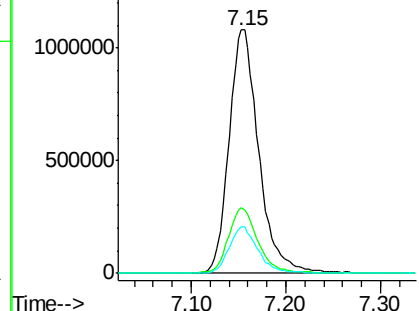
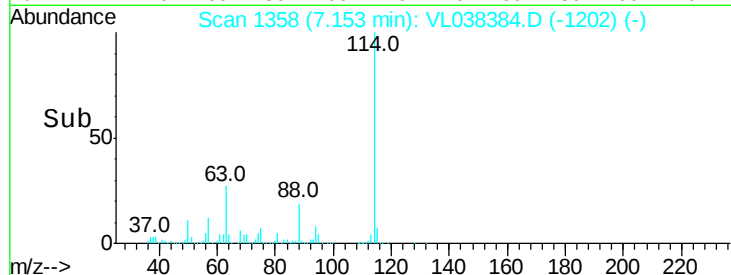
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0222ABS01
 Acq: 22 Feb 2022 10:44

Tgt Ion:114 Resp: 2354810

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.2
88	18.8	15.2	22.8



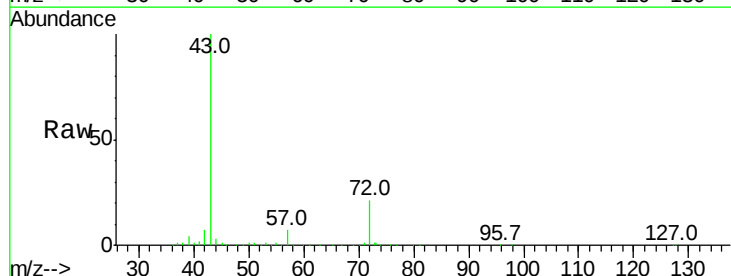
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



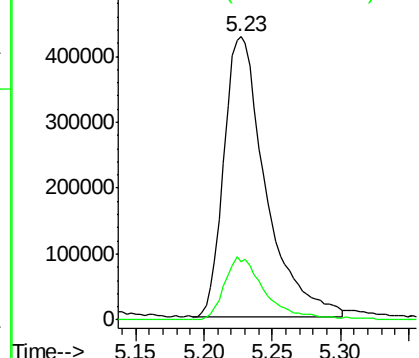
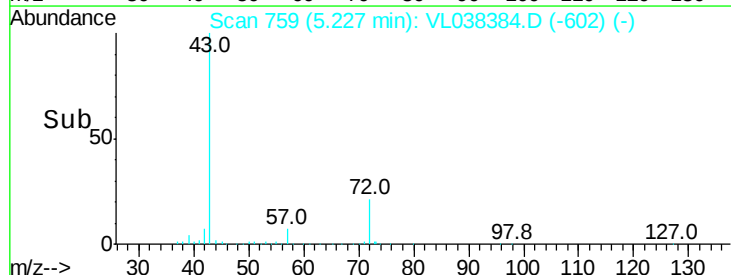
#34
 2-Butanone
 Concen: 12.20 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

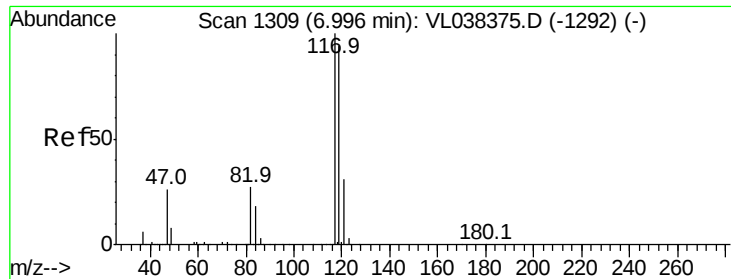
Tgt Ion: 43 Resp: 903603

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.4	26.2



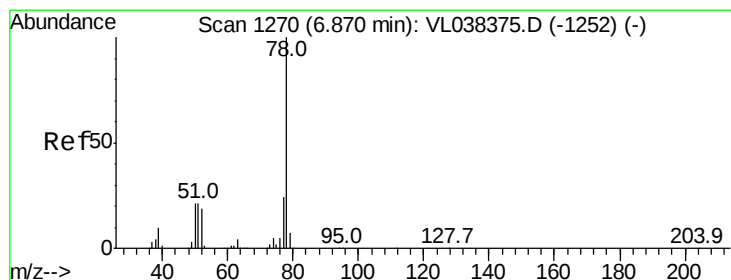
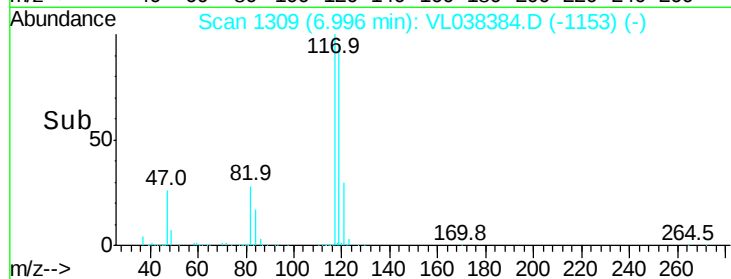
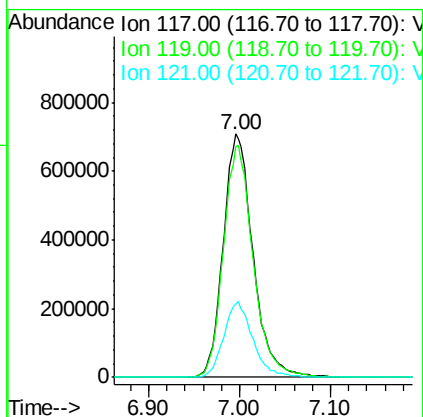
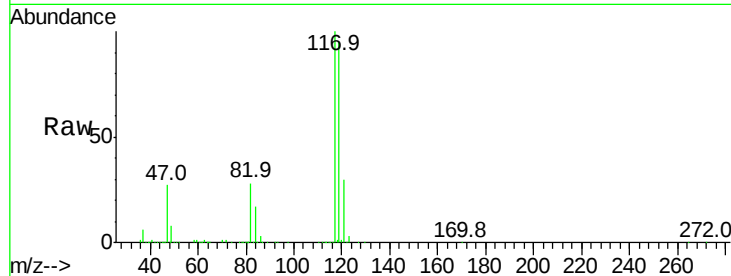
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





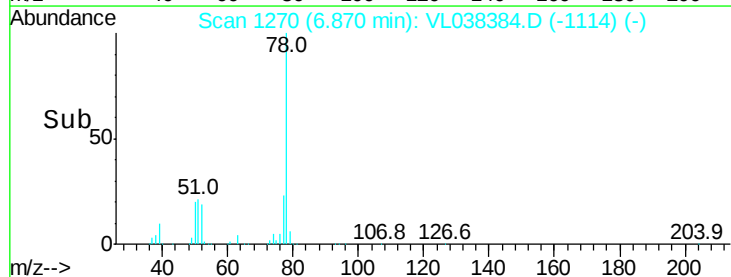
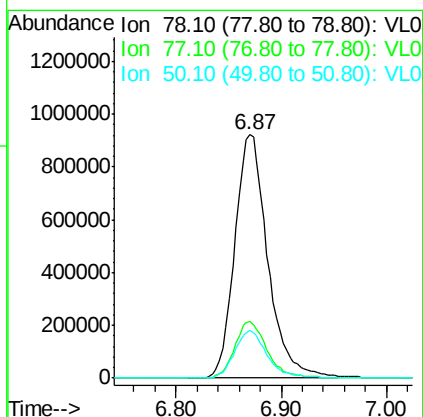
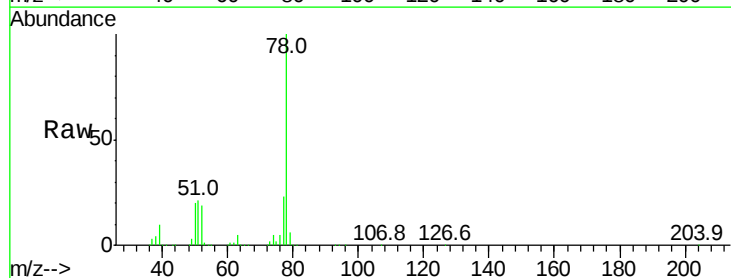
#35
Carbon Tetrachloride
Concen: 9.71 ppbv
RT: 7.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0222ABS01
Acq: 22 Feb 2022 10:44

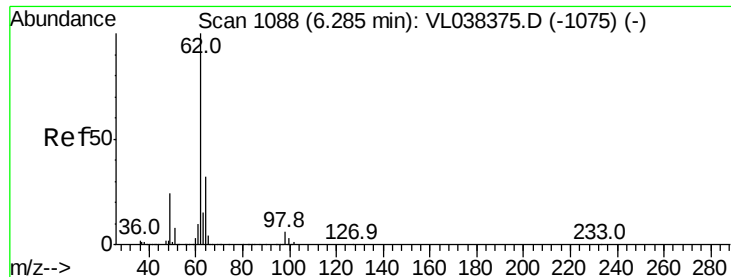
Tgt Ion:117 Resp: 1608467
Ion Ratio Lower Upper
117 100
119 94.7 74.9 112.3
121 30.4 24.8 37.2



#36
Benzene
Concen: 9.64 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

Tgt Ion: 78 Resp: 1998643
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6
50 19.6 16.6 24.8





#37

1,2-Dichloroethane

Concen: 9.70 ppbv

RT: 6.28

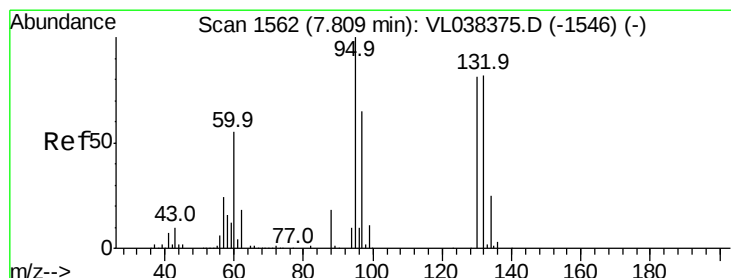
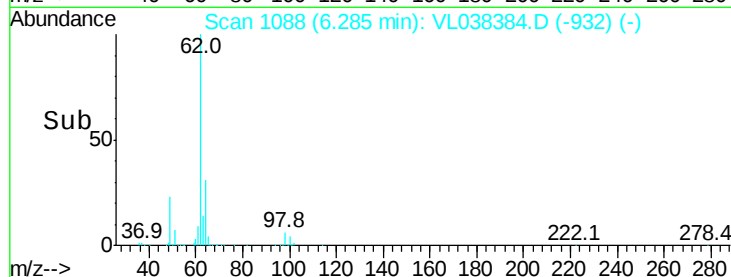
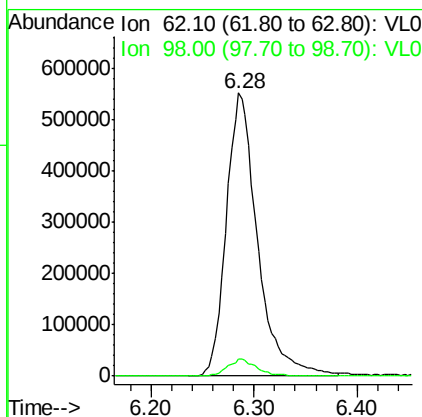
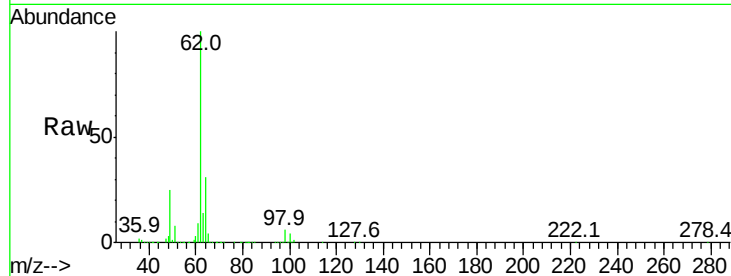
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 10:44

Tgt Ion: 62 Resp: 1161818

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	7.0



#38

Trichloroethene

Concen: 9.65 ppbv

RT: 7.81 min Scan# 1563

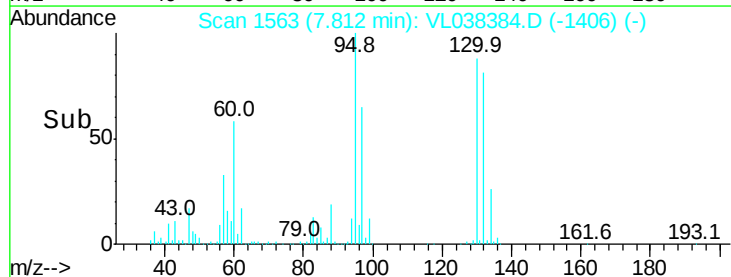
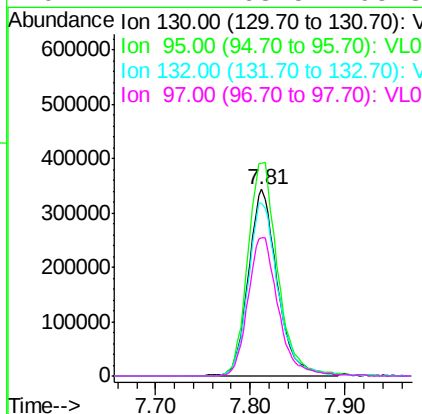
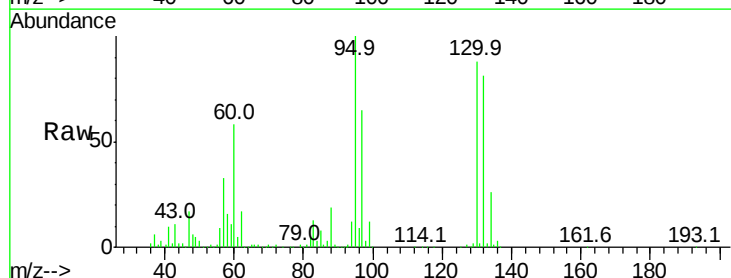
Delta R.T. 0.00 min

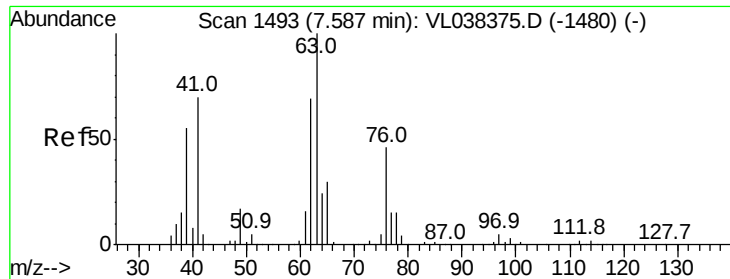
Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

Tgt Ion: 130 Resp: 728535

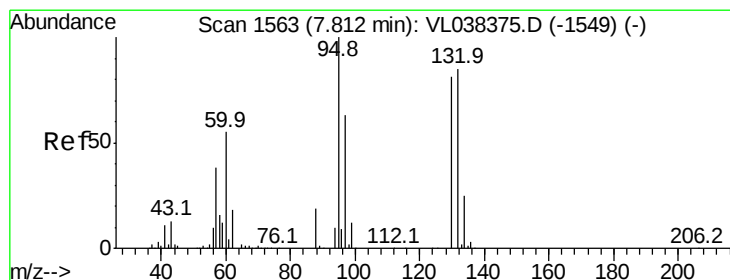
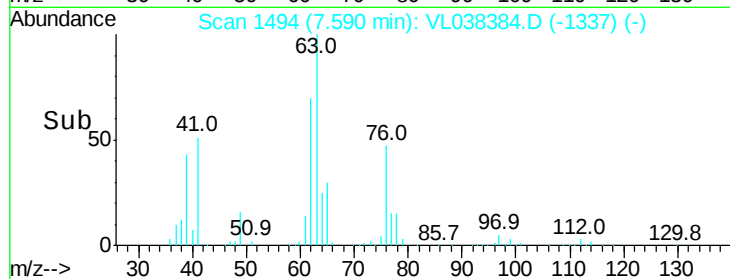
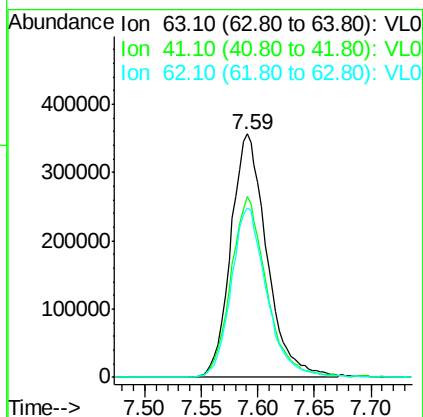
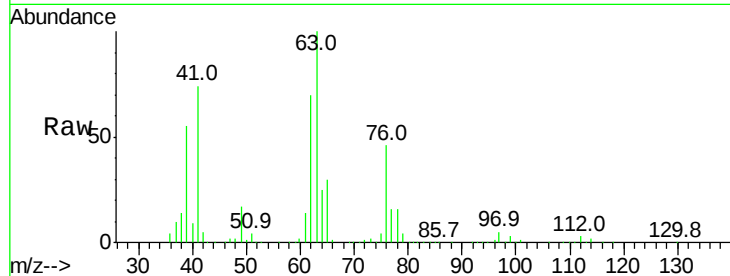
Ion	Ratio	Lower	Upper
130	100		
95	113.8	98.1	147.1
132	92.4	80.3	120.5
97	74.4	63.5	95.3





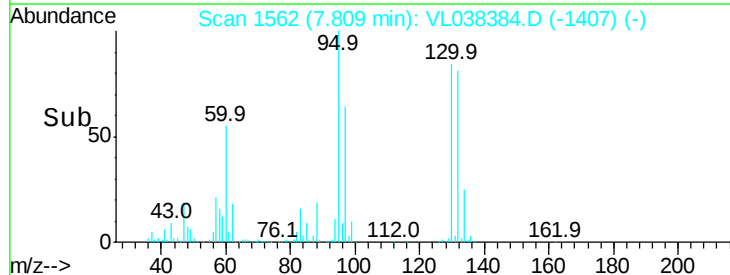
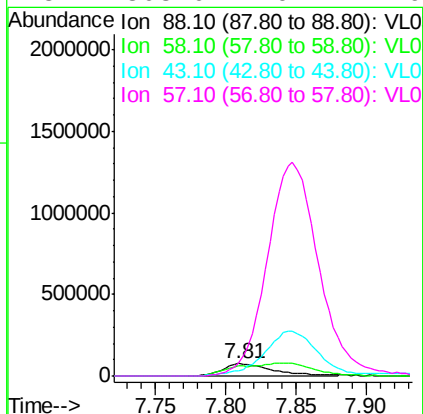
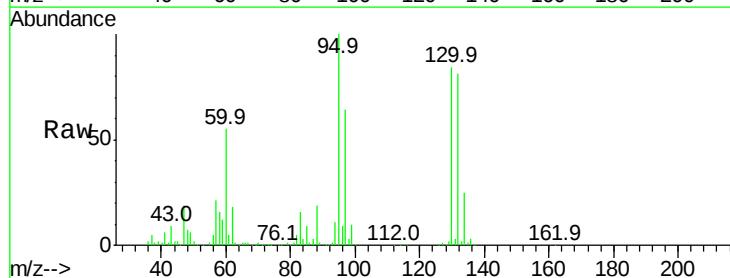
#39
 1,2-Dichloropropane
 Concen: 9.54 ppbv
 RT: 7.59
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0222ABS01
 Acq: 22 Feb 2022 10:44

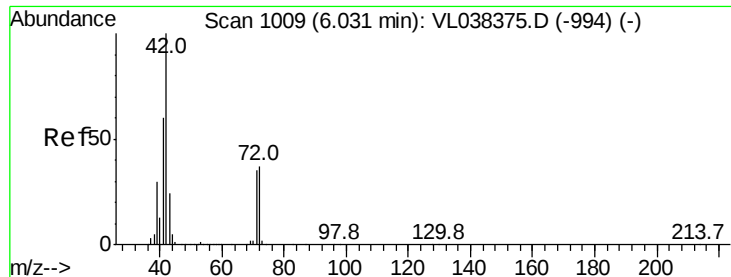
Tgt Ion: 63 Resp: 787933
 Ion Ratio Lower Upper
 63 100
 41 74.2 56.1 84.1
 62 69.6 55.5 83.3



#40
 1,4-Dioxane
 Concen: 9.48 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 88 Resp: 185717
 Ion Ratio Lower Upper
 88 100
 58 163.3 133.2 199.8
 43 409.6 330.6 496.0
 57 1803.0 1462.7 2194.1





#41

Tetrahydrofuran

Concen: 9.93 ppbv

RT: 6.03 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0222ABS01

Acq: 22 Feb 2022 10:44

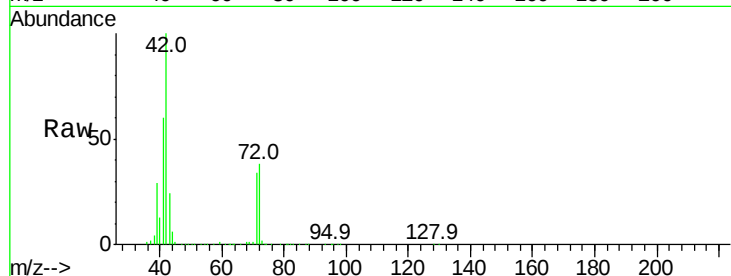
Tgt Ion: 42 Resp: 496773

Ion Ratio Lower Upper

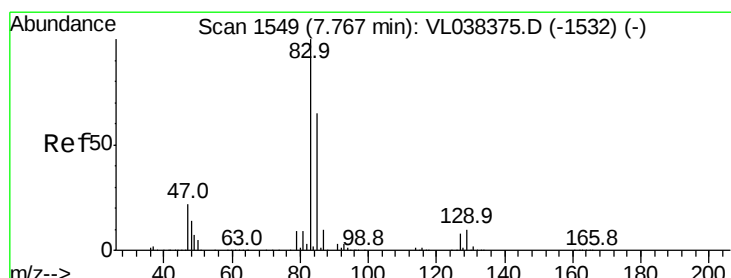
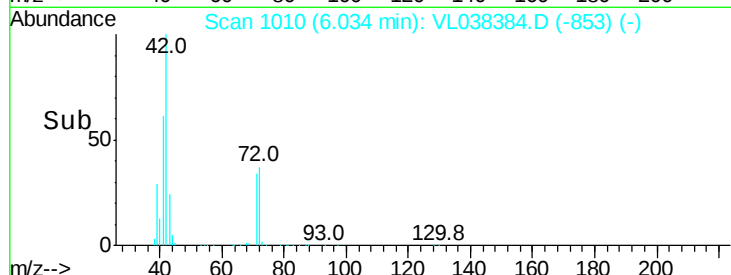
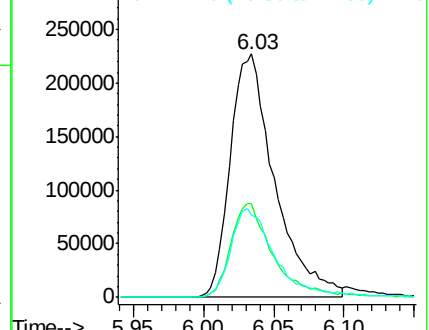
42 100

72 37.9 29.9 44.9

71 37.2 28.6 42.8



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



#42

Bromodichloromethane

Concen: 9.87 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

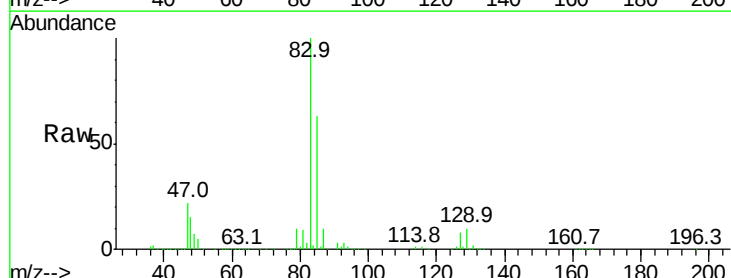
Tgt Ion: 83 Resp: 1706579

Ion Ratio Lower Upper

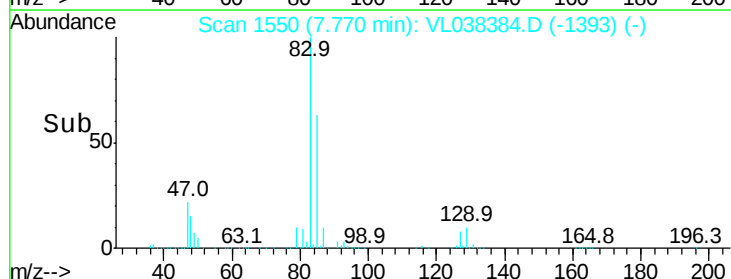
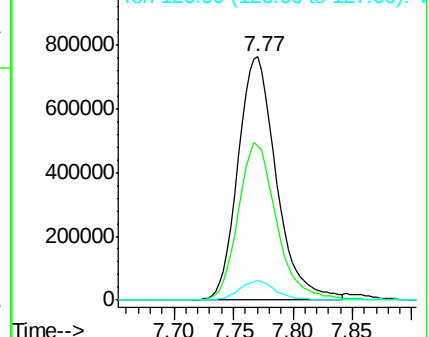
83 100

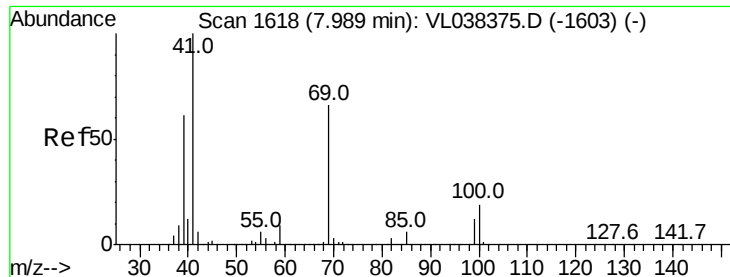
85 63.4 52.2 78.4

127 8.0 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.37 ppbv

RT: 7.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 10:44

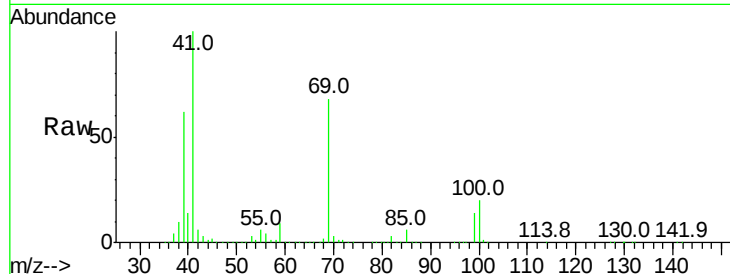
Tgt Ion: 69 Resp: 747399

Ion Ratio Lower Upper

69 100

41 151.2 122.9 184.3

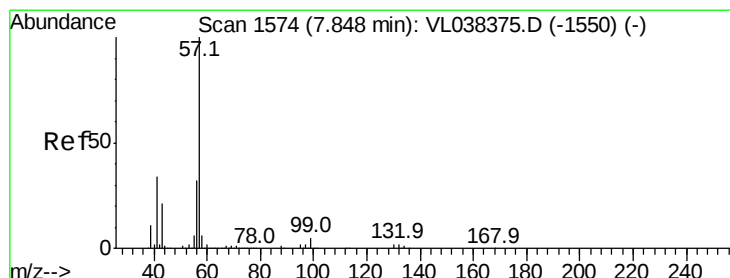
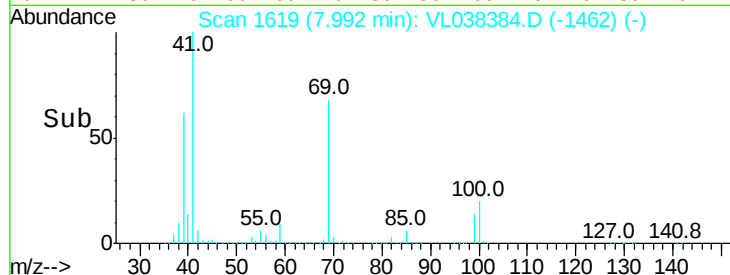
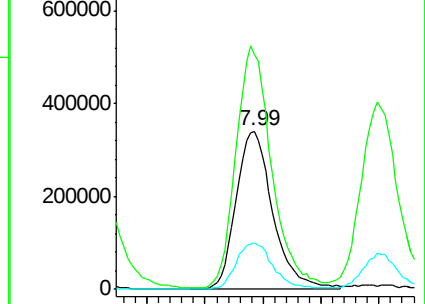
100 29.6 23.6 35.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.39 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

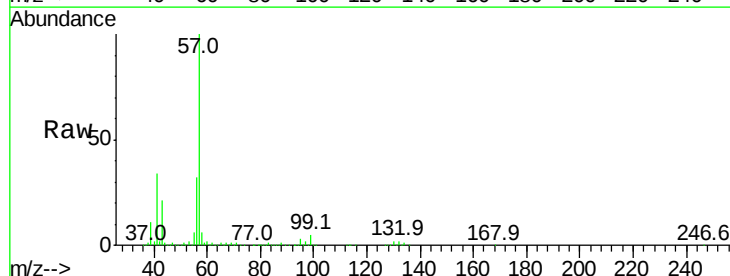
Tgt Ion: 57 Resp: 3346295

Ion Ratio Lower Upper

57 100

41 33.5 26.6 39.8

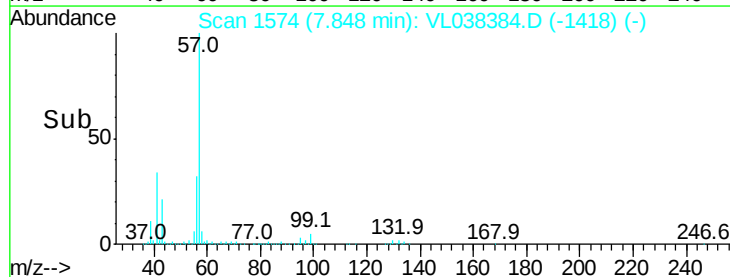
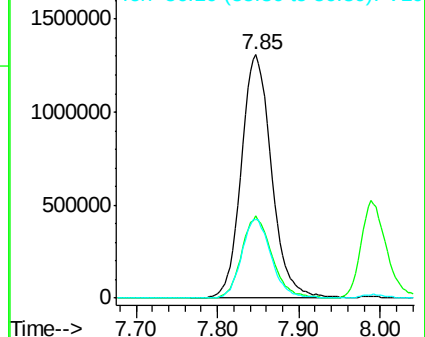
56 31.8 25.0 37.6

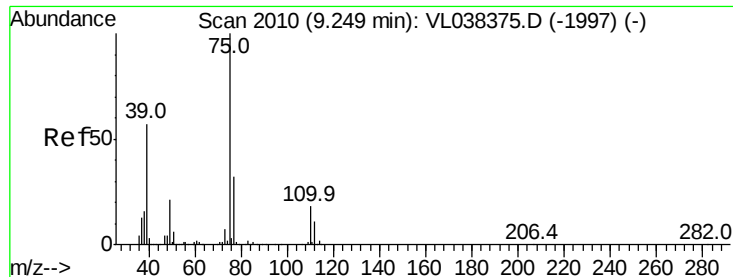


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.87 ppbv

RT: 9.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

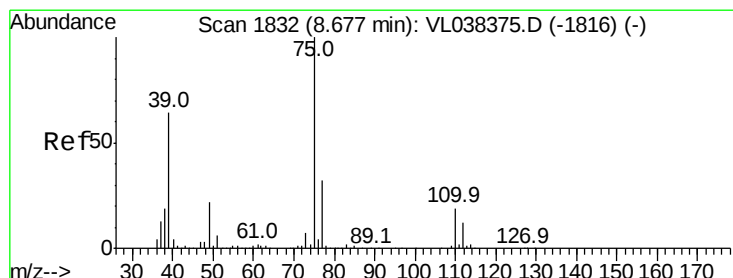
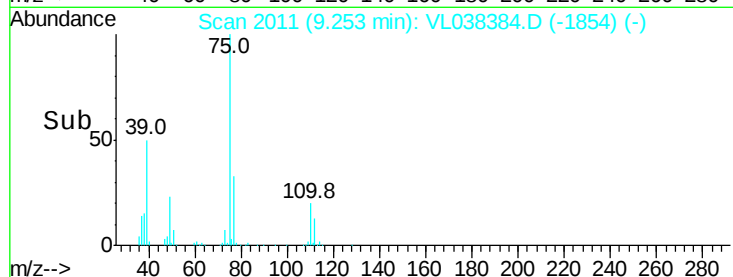
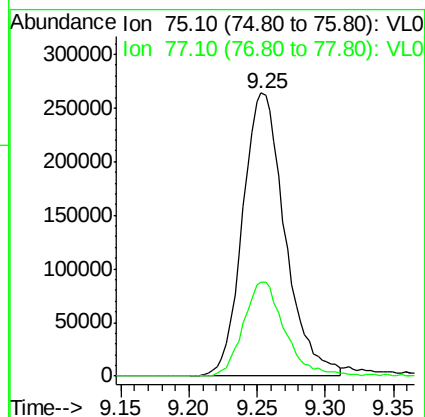
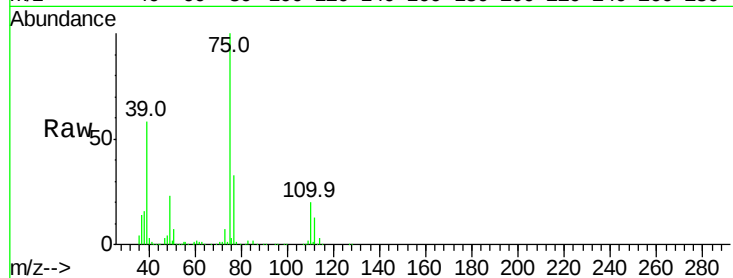
Acq: 22 Feb 2022 10:44 VL0222ABS01

Tgt Ion: 75 Resp: 568536

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



#46

cis-1,3-Dichloropropene

Concen: 9.55 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

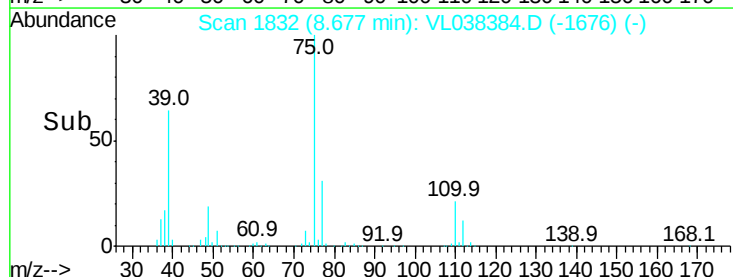
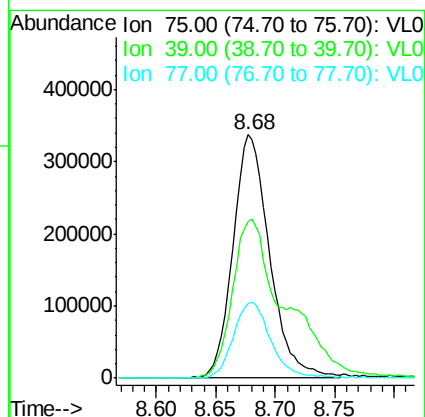
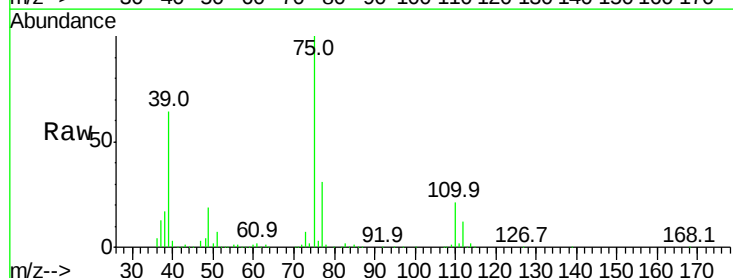
Tgt Ion: 75 Resp: 720589

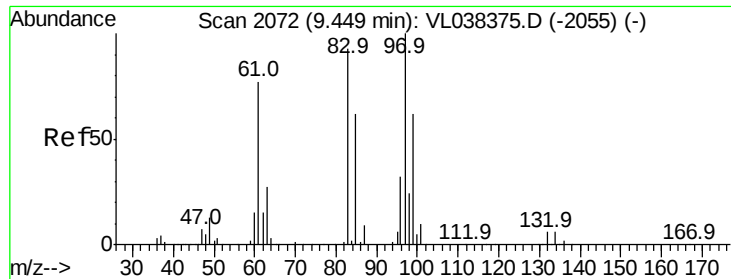
Ion Ratio Lower Upper

75 100

39 64.2 51.4 77.2

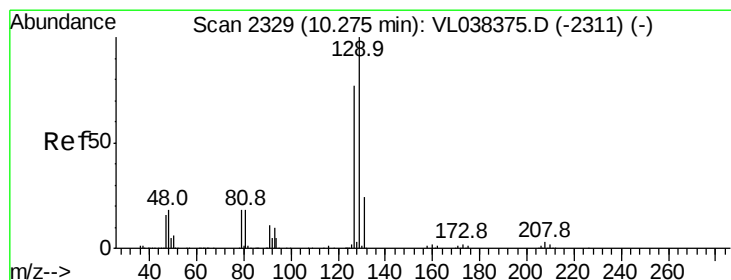
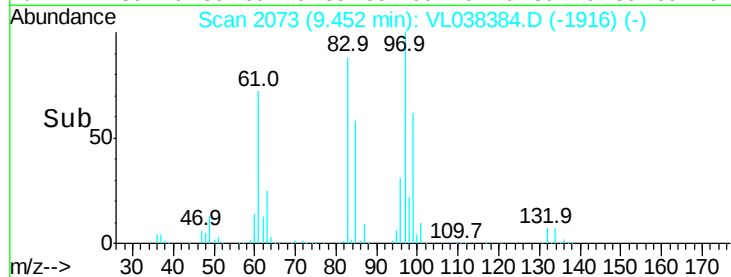
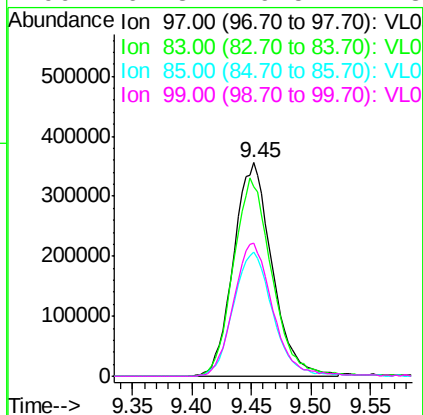
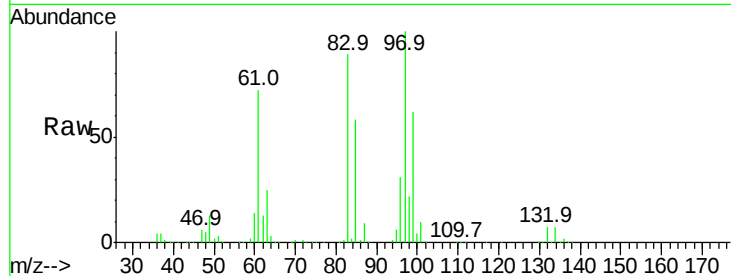
77 30.7 25.4 38.2





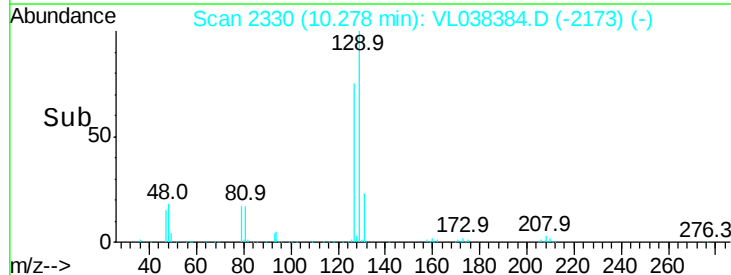
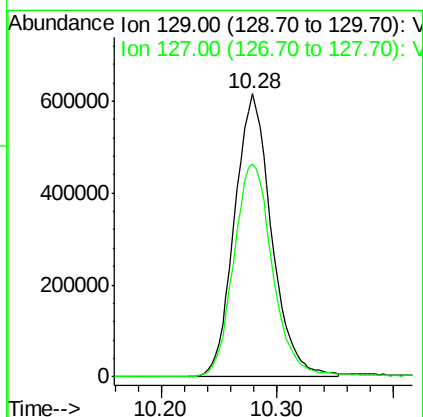
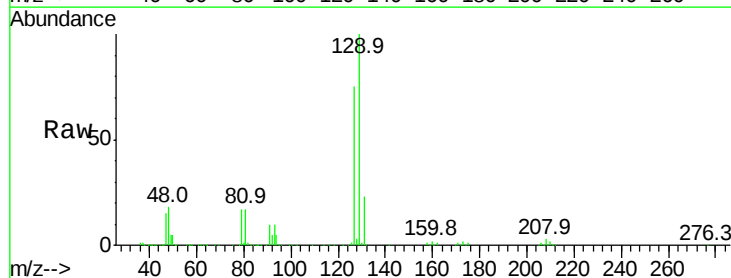
#47
 1,1,2-Trichloroethane
 Concen: 9.71 ppbv
 RT: 9.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 VL0222ABS01
 Acq: 22 Feb 2022 10:44

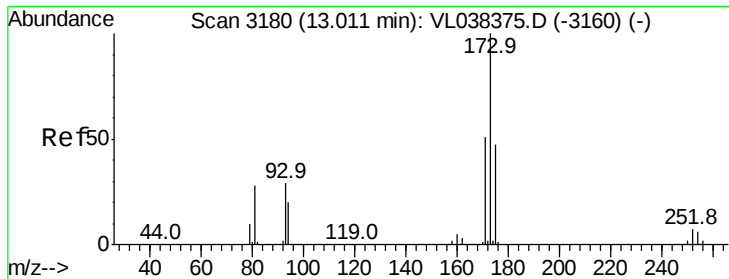
Tgt Ion:	97	Resp:	797836
Ion	Ratio	Lower	Upper
97	100		
83	88.5	74.2	111.4
85	57.8	49.8	74.8
99	62.3	49.5	74.3



#48
 Dibromochloromethane
 Concen: 10.21 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion:	129	Resp:	1371416
Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.4	118.1





#49

Bromoform

Concen: 10.54 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 10:44

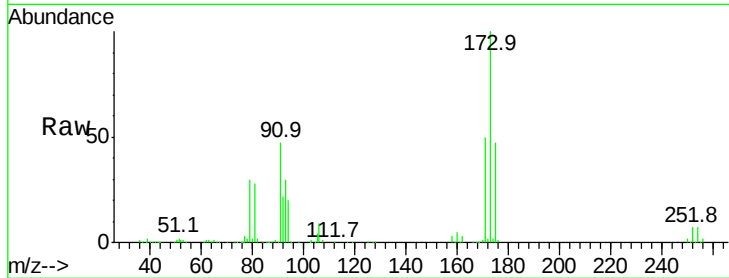
Tgt Ion:173 Resp: 1045239

Ion Ratio Lower Upper

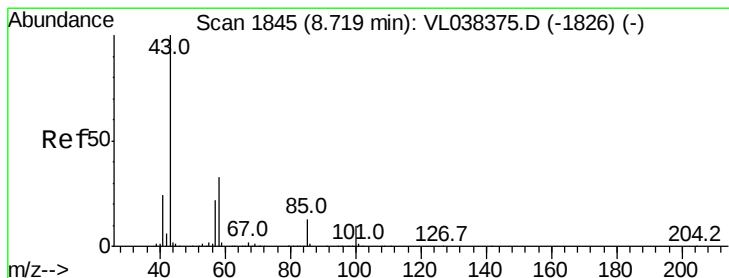
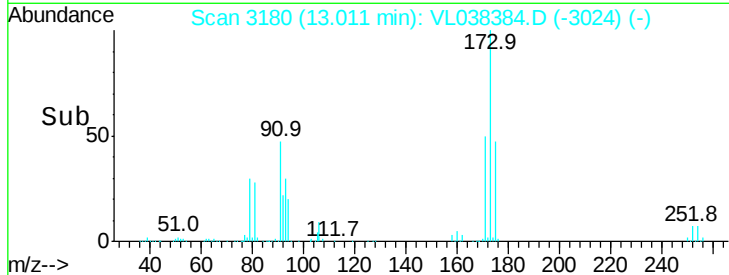
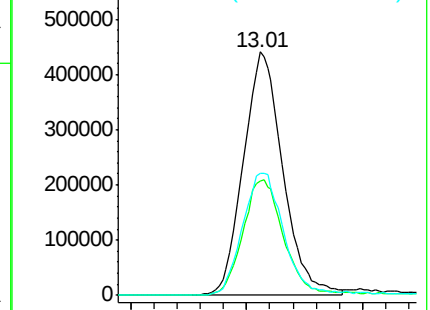
173 100

175 49.6 40.2 60.2

171 53.4 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.47 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL038384.D

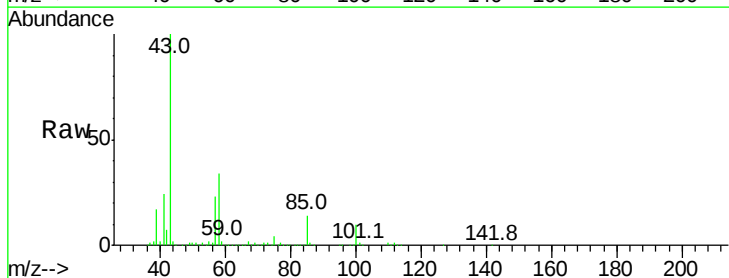
Acq: 22 Feb 2022 10:44

Tgt Ion: 43 Resp: 1370762

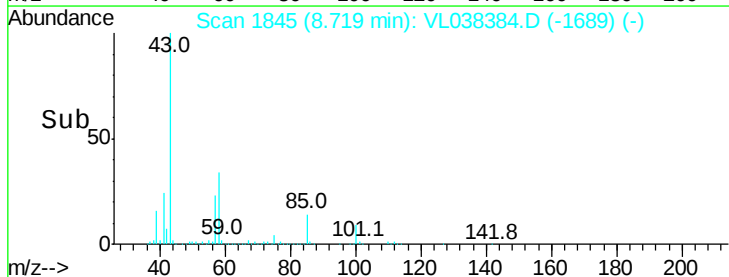
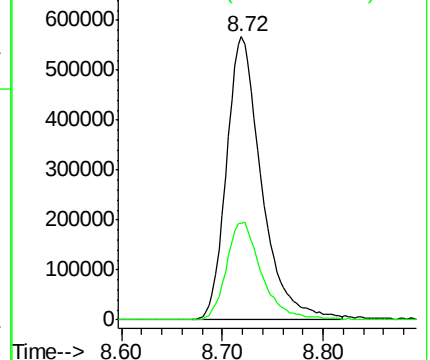
Ion Ratio Lower Upper

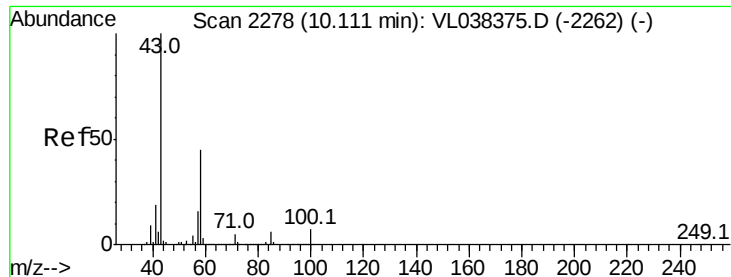
43 100

58 35.3 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.43 ppbv

RT: 10.11 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 10:44

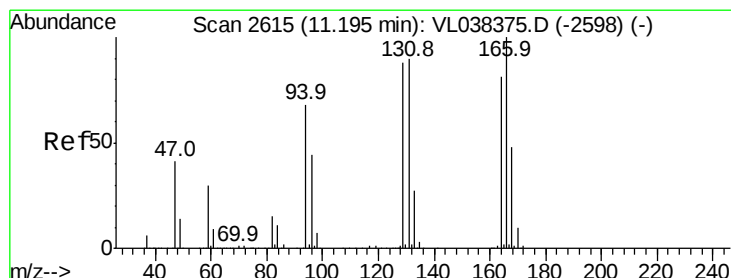
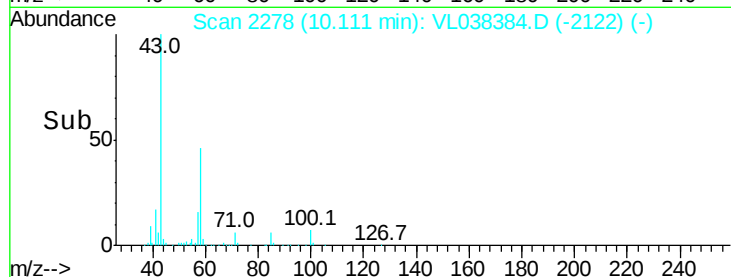
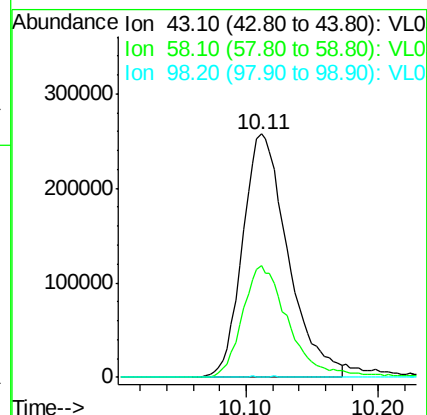
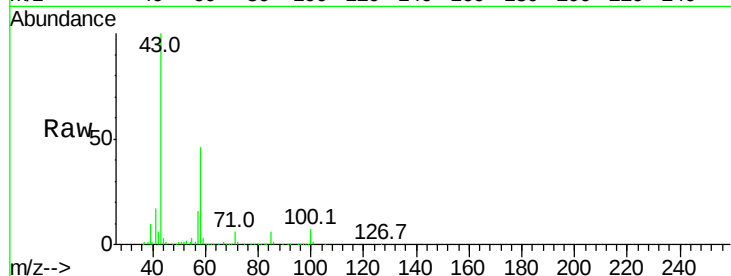
Tgt Ion: 43 Resp: 611160

Ion Ratio Lower Upper

43 100

58 47.4 37.4 56.0

98 0.4 0.1 0.1#



#52

Tetrachloroethene

Concen: 9.47 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

Tgt Ion: 164 Resp: 651537

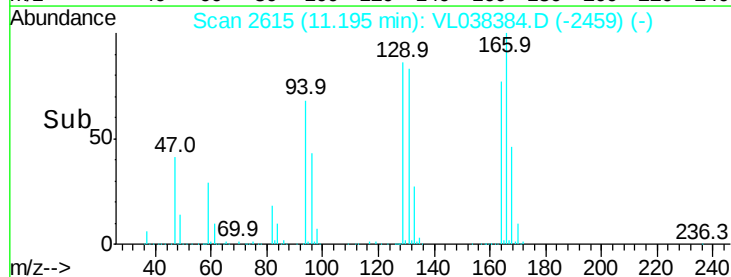
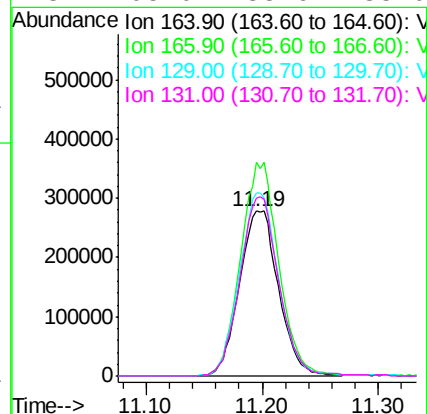
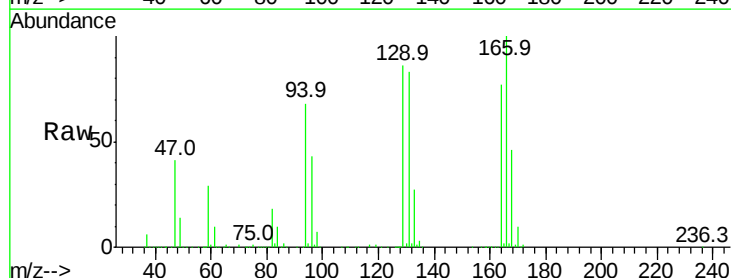
Ion Ratio Lower Upper

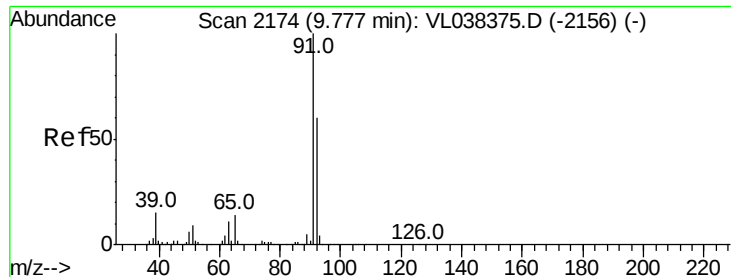
164 100

166 129.5 98.6 148.0

129 111.3 86.9 130.3

131 108.0 88.6 133.0





#53

Toluene

Concen: 10.03 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

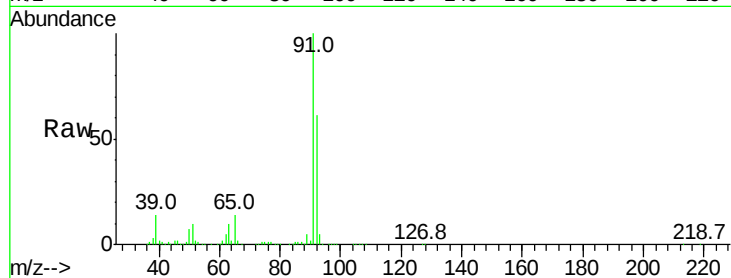
Acq: 22 Feb 2022 10:44 VL0222ABS01

Tgt Ion: 91 Resp: 2257819

Ion Ratio Lower Upper

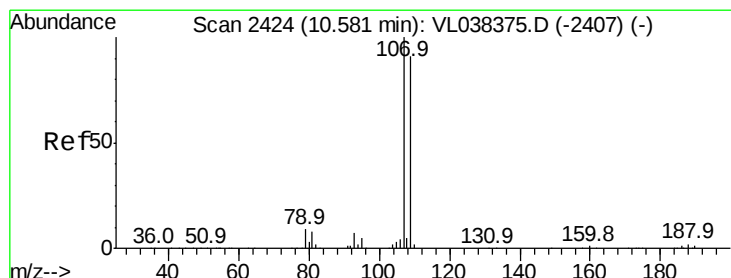
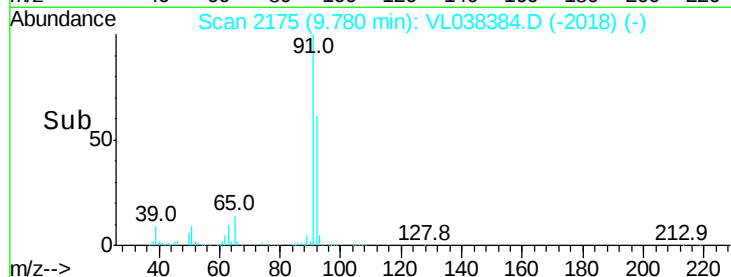
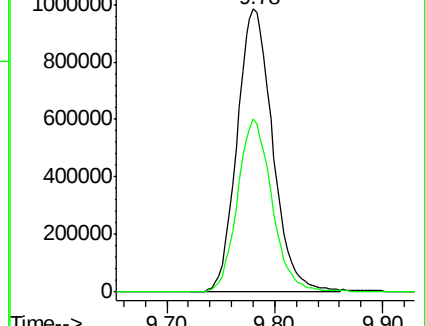
91 100

92 60.1 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.06 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. 0.00 min

Lab File: VL038384.D

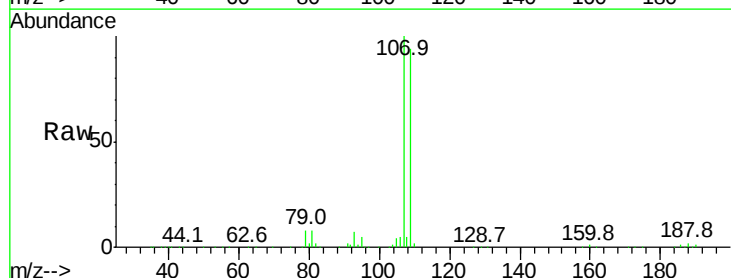
Acq: 22 Feb 2022 10:44

Tgt Ion: 107 Resp: 1163070

Ion Ratio Lower Upper

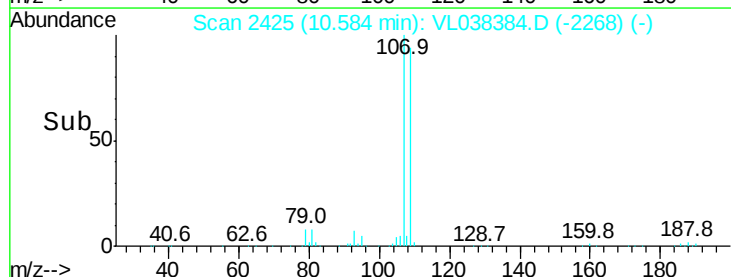
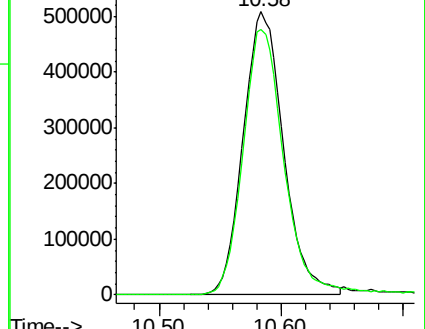
107 100

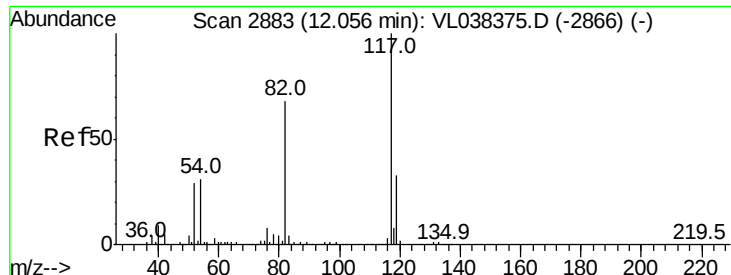
109 93.7 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

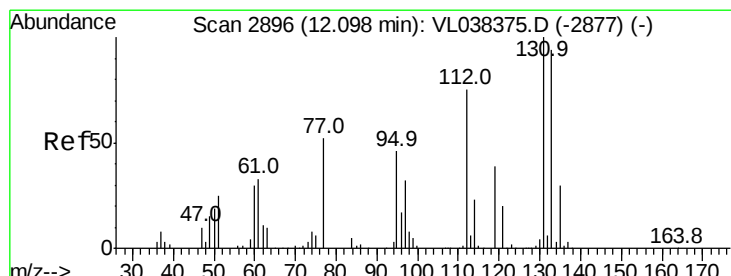
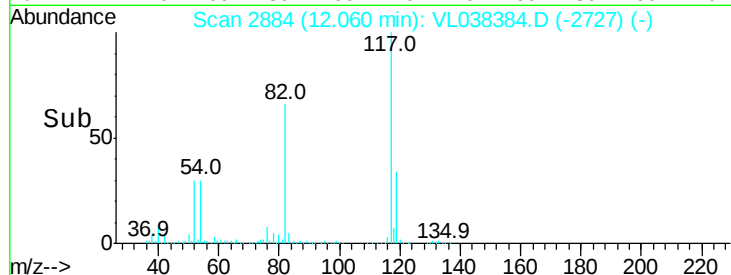
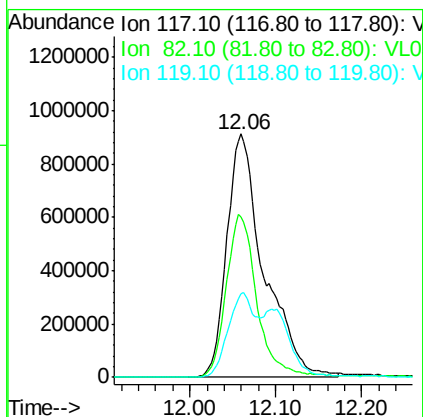
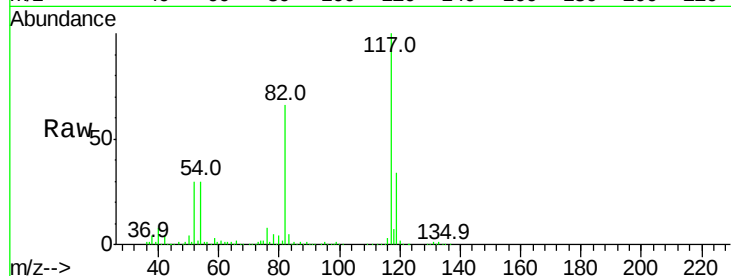
Ion 109.00 (108.70 to 109.70): V





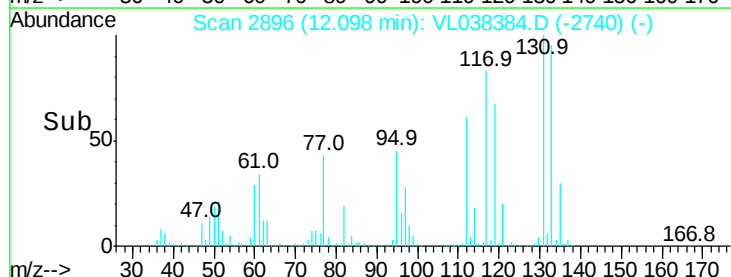
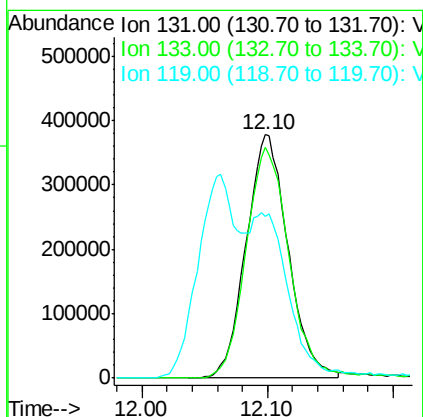
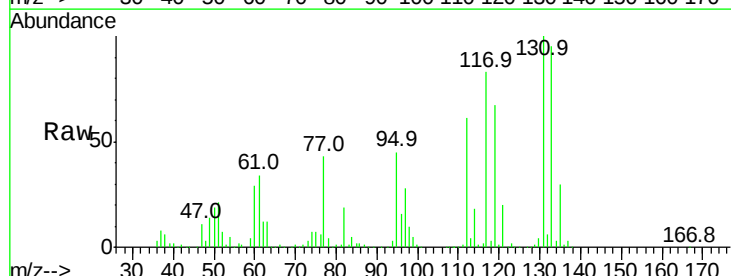
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0222ABS01
Acq: 22 Feb 2022 10:44

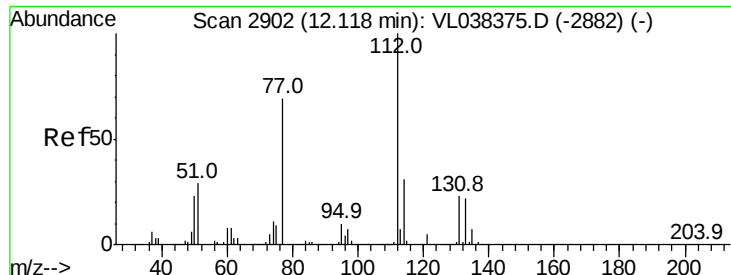
Tgt Ion:117 Resp: 2739057
Ion Ratio Lower Upper
117 100
82 56.8 54.9 82.3
119 47.3 46.1 69.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.69 ppbv
RT: 12.10 min Scan# 2896
Delta R.T.: 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

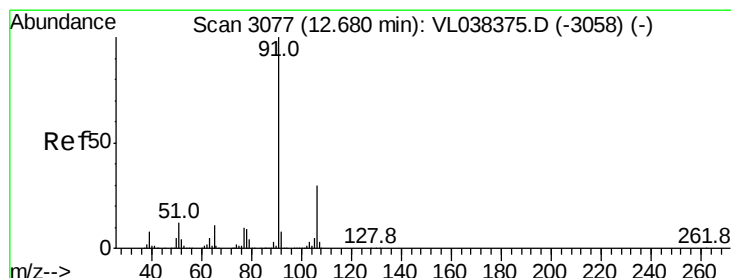
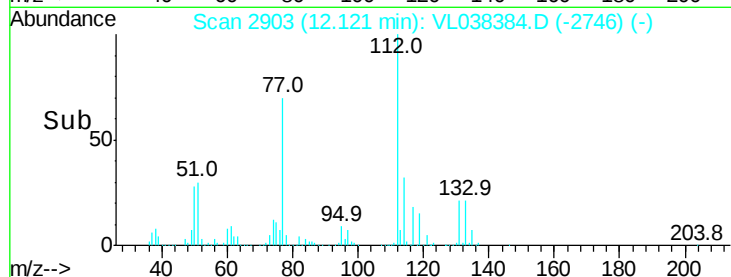
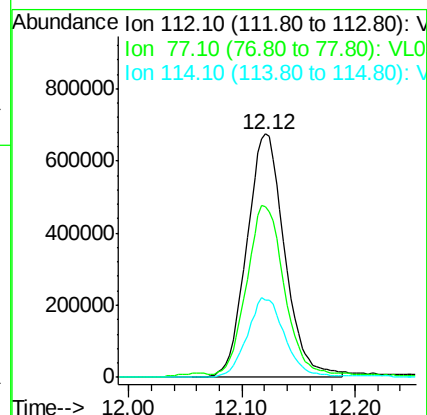
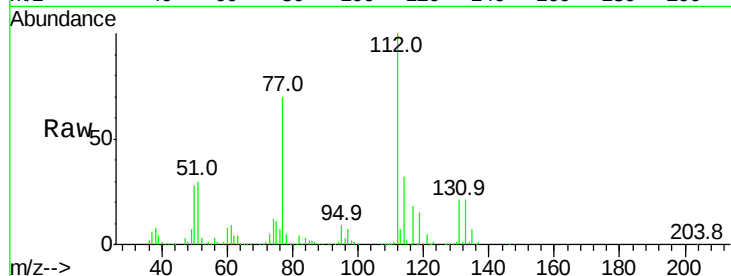
Tgt Ion:131 Resp: 878501
Ion Ratio Lower Upper
131 100
133 99.5 77.3 115.9
119 62.0 48.6 73.0





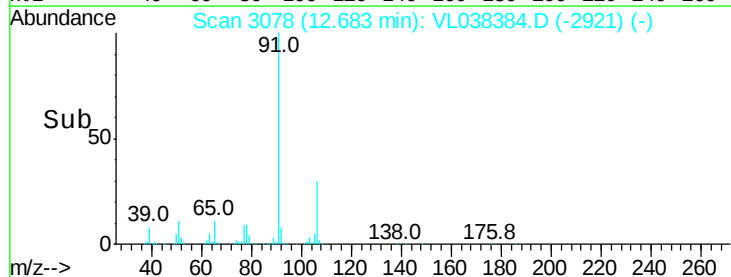
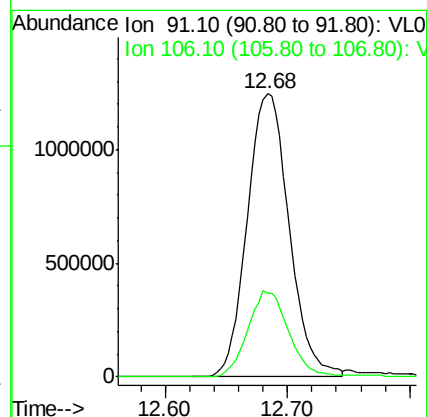
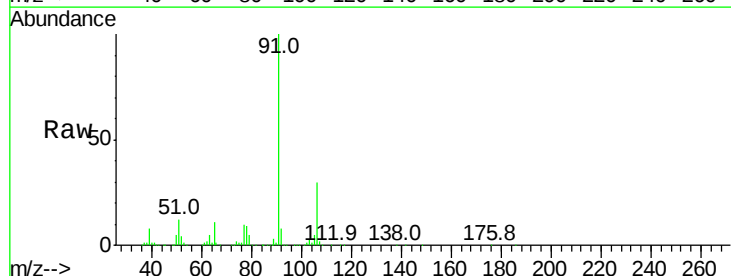
#57
Chlorobenzene
Concen: 7.44 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0222ABS01
Acq: 22 Feb 2022 10:44

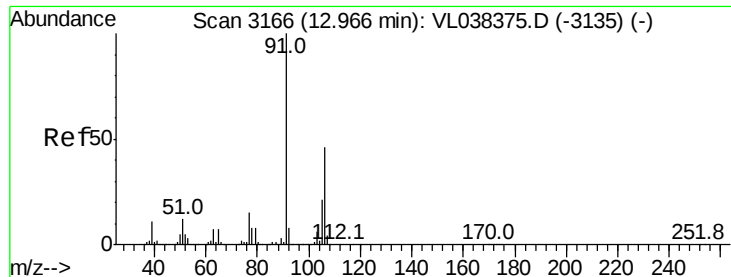
Tgt Ion: 112 Resp: 1572720
Ion Ratio Lower Upper
112 100
77 68.8 55.2 82.8
114 31.7 27.9 34.1



#58
Ethyl Benzene
Concen: 7.90 ppbv
RT: 12.68 min Scan# 3078
Delta R.T.: 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

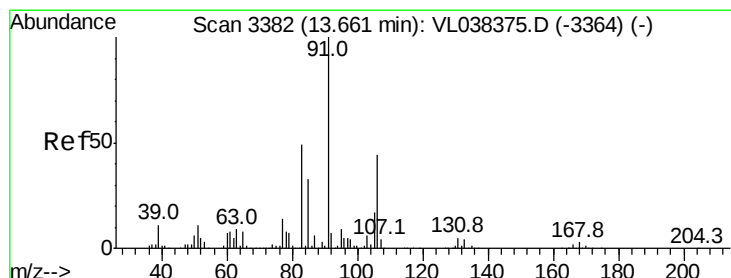
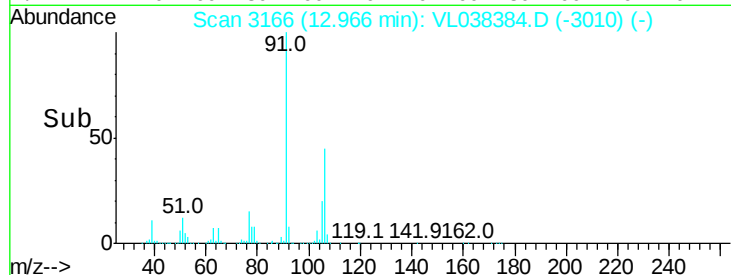
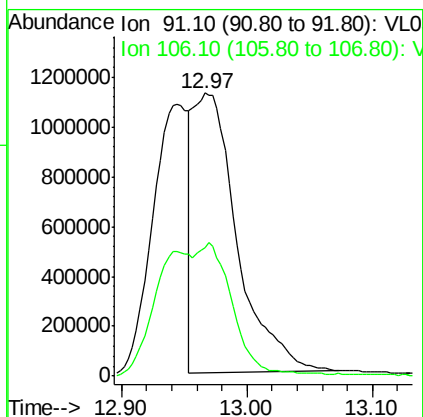
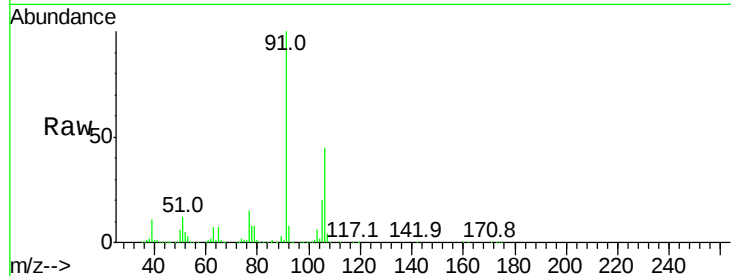
Tgt Ion: 91 Resp: 2958205
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0





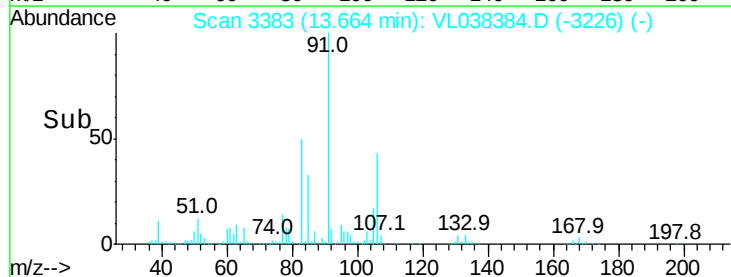
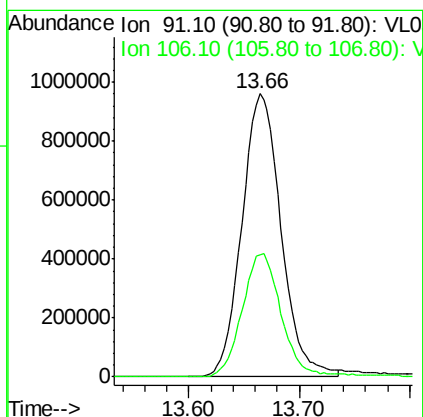
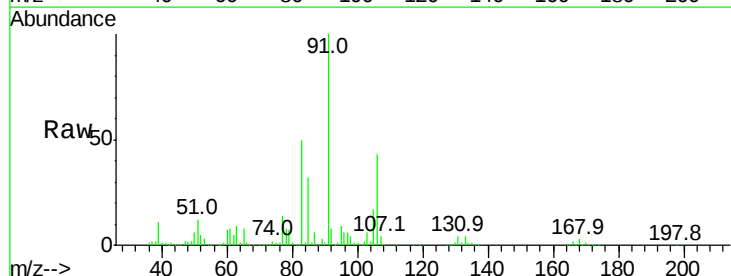
#59
m/p-Xylene
Concen: 8.54 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0222ABS01
Acq: 22 Feb 2022 10:44

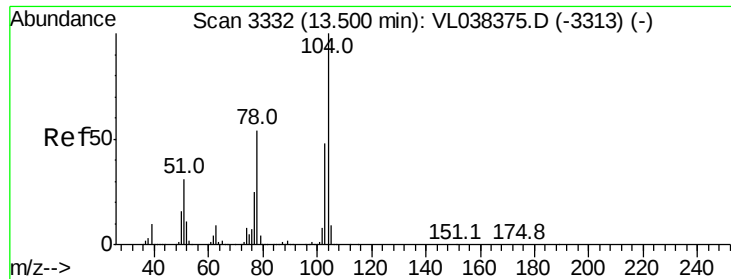
Tgt Ion: 91 Resp: 2746525
Ion Ratio Lower Upper
91 100
106 79.6 34.4 51.6#



#60
o-Xylene
Concen: 7.76 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

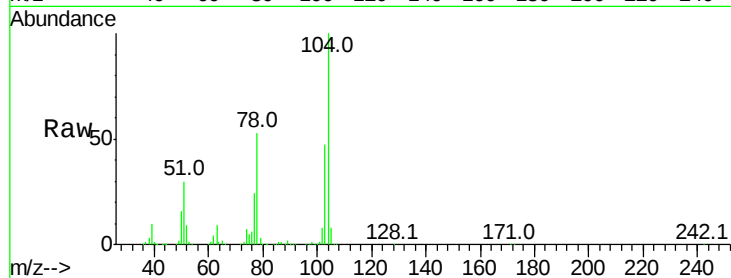
Tgt Ion: 91 Resp: 2359997
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.5



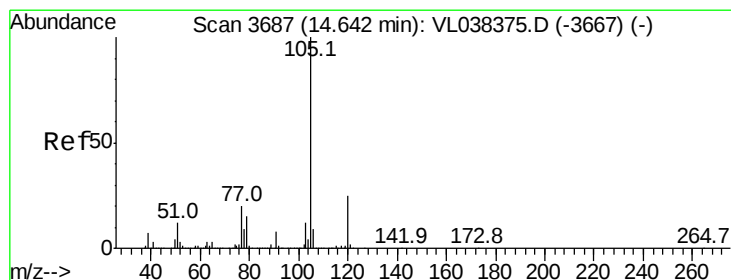
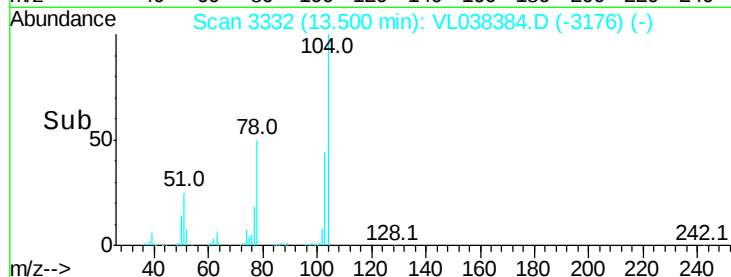
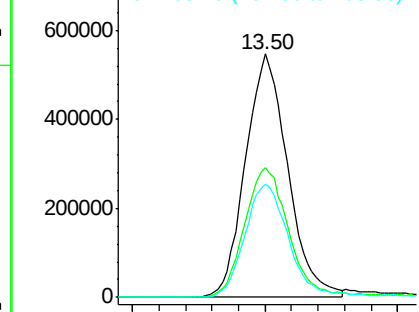


#61
Styrene
Concen: 8.66 ppbv
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0222ABS01
Acq: 22 Feb 2022 10:44

Tgt Ion:104 Resp: 1214608
Ion Ratio Lower Upper
104 100
78 56.6 44.2 66.4
103 48.6 38.4 57.6

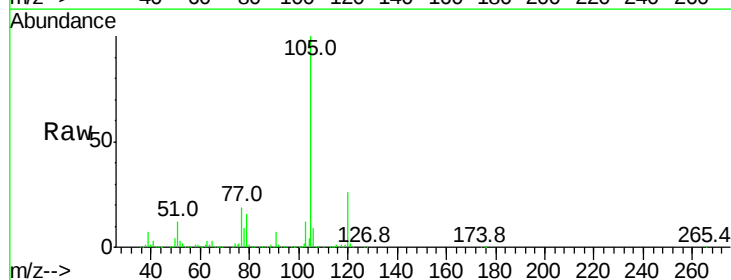


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

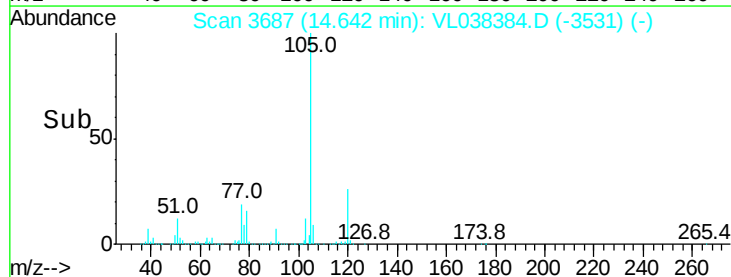
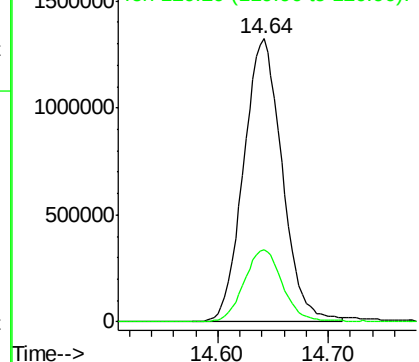


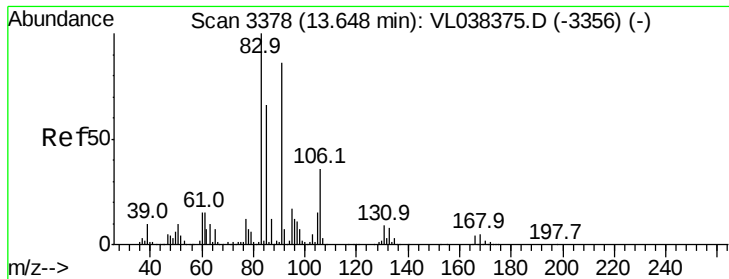
#62
Isopropylbenzene
Concen: 7.86 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

Tgt Ion:105 Resp: 3208135
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8



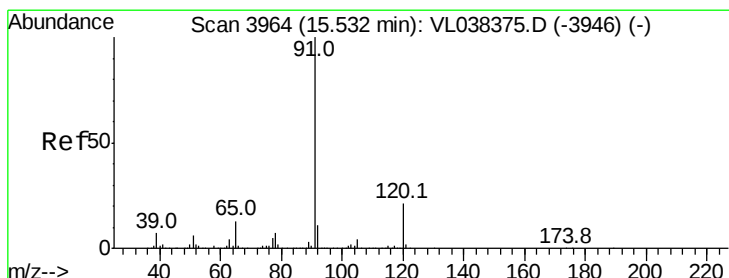
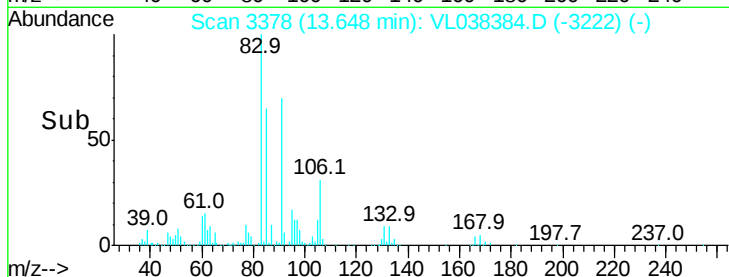
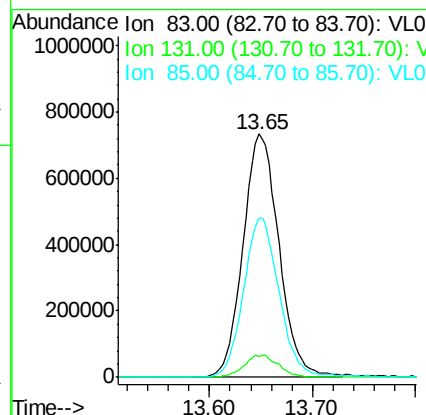
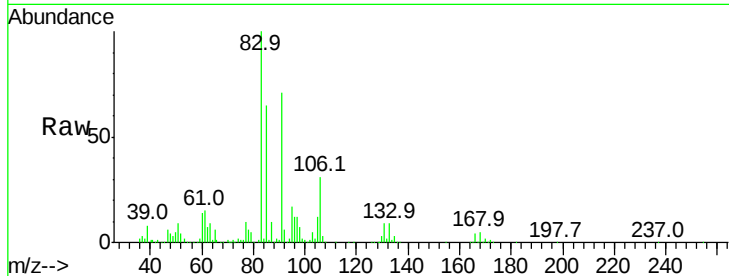
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





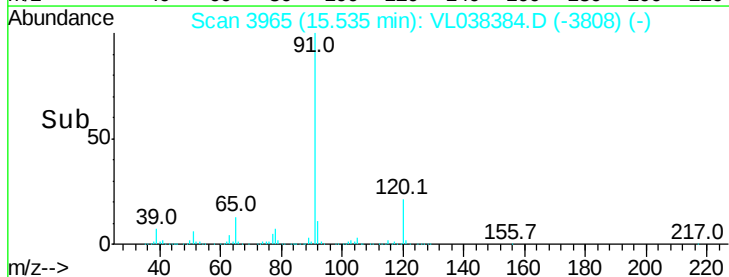
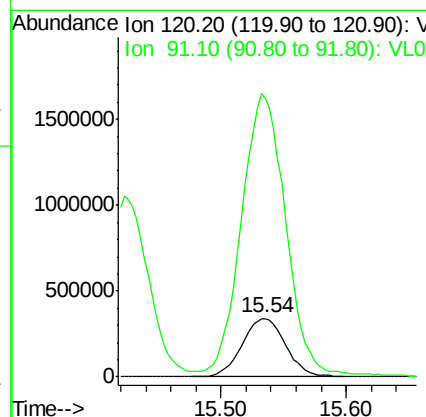
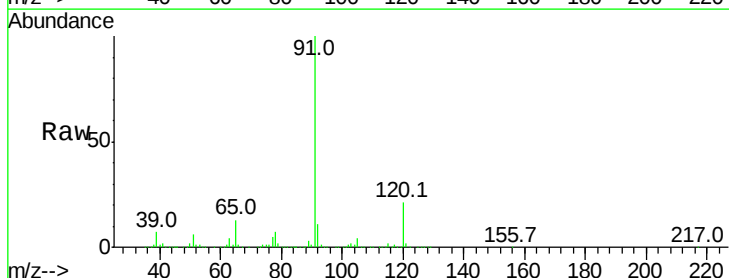
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.17 ppbv
 RT: 13.65
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0222ABS01
 Acq: 22 Feb 2022 10:44

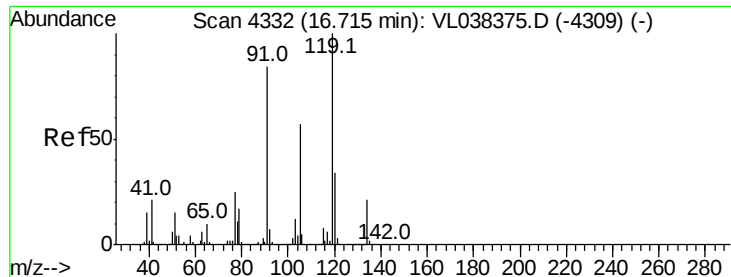
Tgt Ion: 83 Resp: 1771066
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.5 13.7
 85 65.6 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.09 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 120 Resp: 817207
 Ion Ratio Lower Upper
 120 100
 91 499.7 388.1 582.1

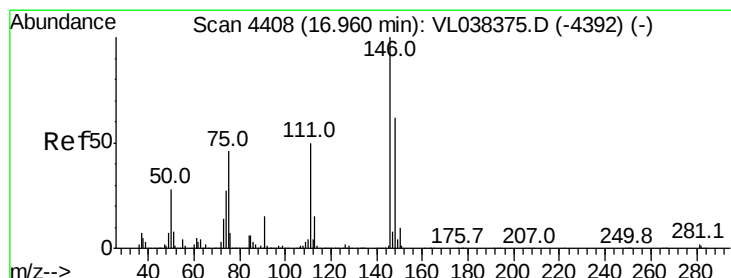
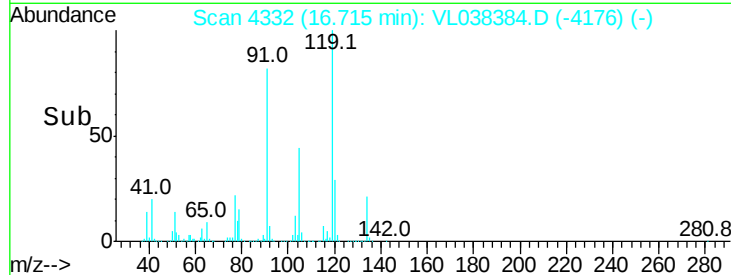
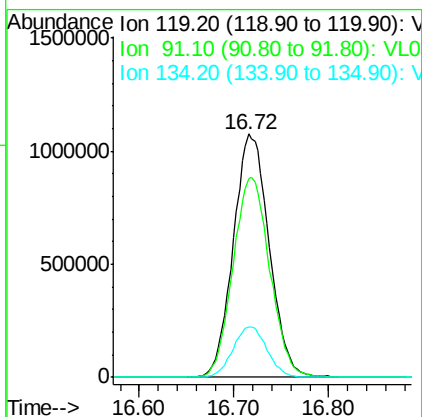
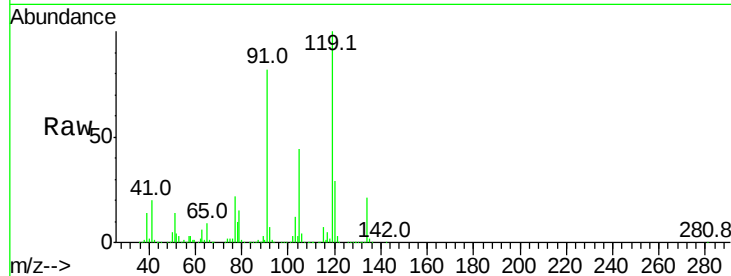




#65
 tert-Butylbenzene
 Concen: 8.03 ppbv
 RT: 16.72
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0222ABS01
 Acq: 22 Feb 2022 10:44

Tgt Ion: 119 Resp: 2840281

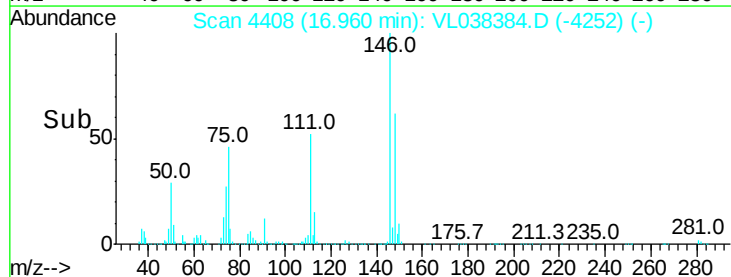
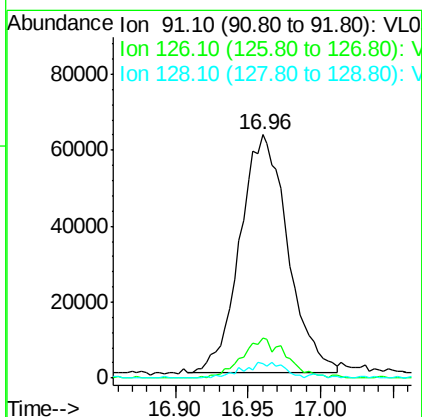
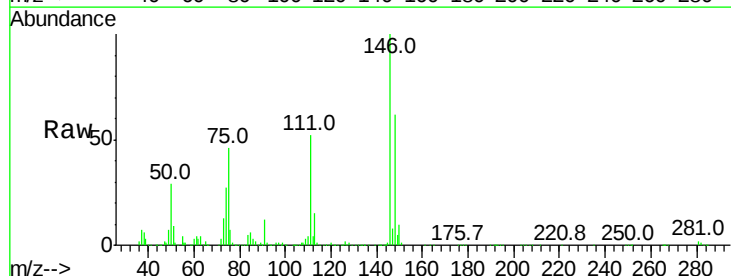
Ion	Ratio	Lower	Upper
119	100		
91	84.3	68.0	102.0
134	19.7	15.8	23.8

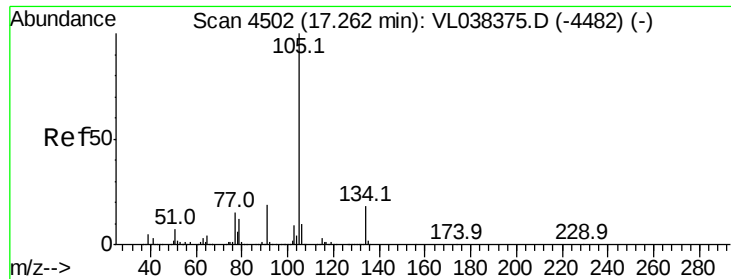


#66
 Benzyl Chloride
 Concen: 7.53 ppbv
 RT: 16.96 min Scan# 4408
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 91 Resp: 143851

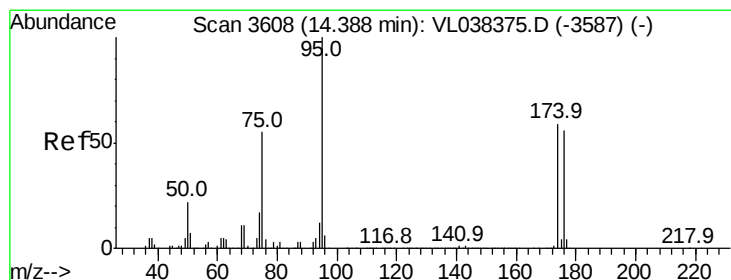
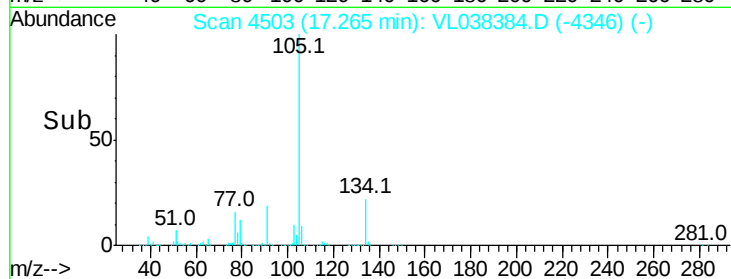
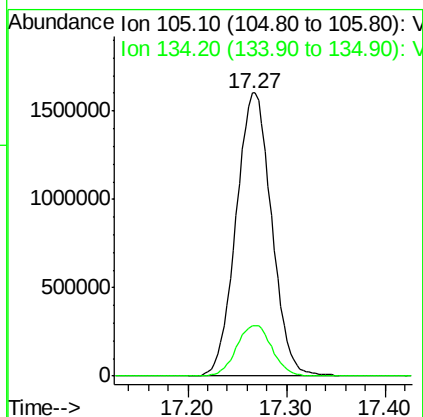
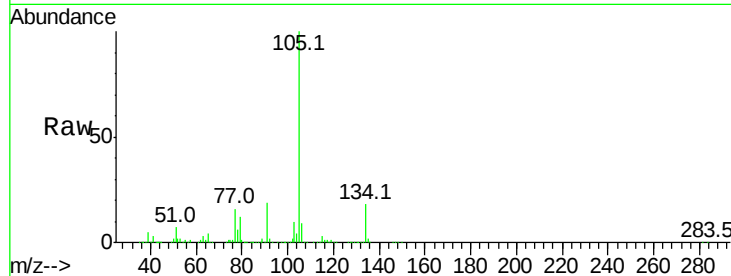
Ion	Ratio	Lower	Upper
91	100		
126	15.9	12.3	18.5
128	6.4	4.2	6.4#





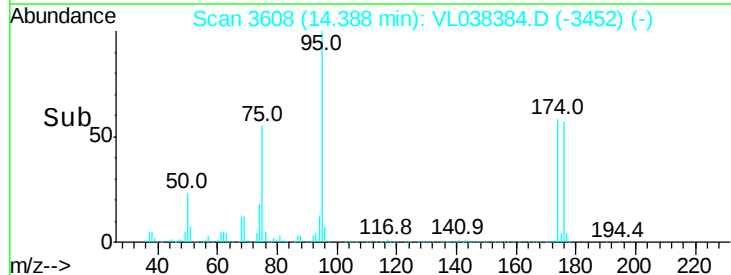
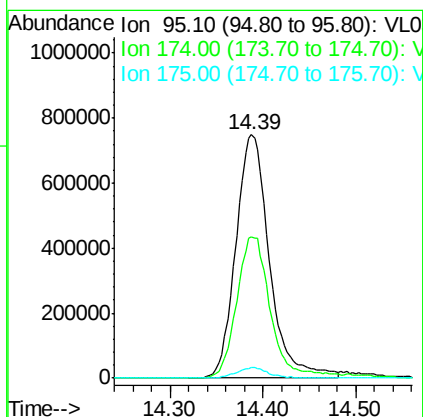
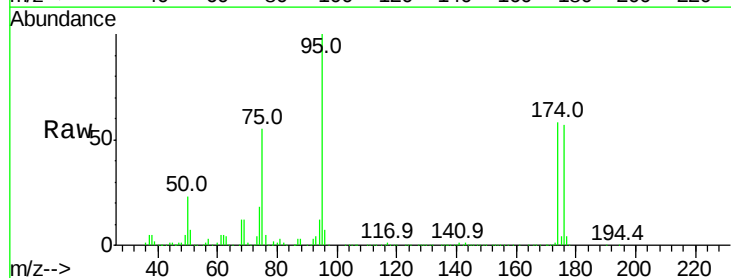
#67
 sec-Butylbenzene
 Concen: 7.98 ppbv
 RT: 17.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0222ABS01
 Acq: 22 Feb 2022 10:44

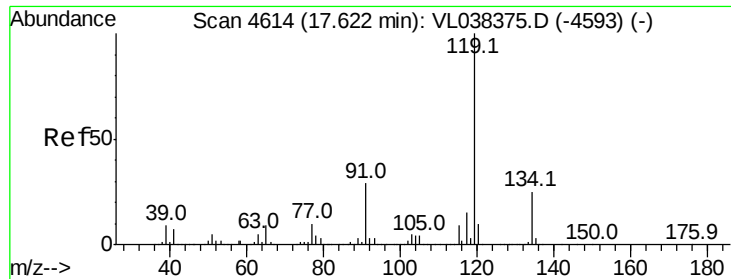
Tgt Ion: 105 Resp: 3995621
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.33 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 95 Resp: 1886751
 Ion Ratio Lower Upper
 95 100
 174 60.2 49.0 73.4
 175 4.2 3.6 5.4

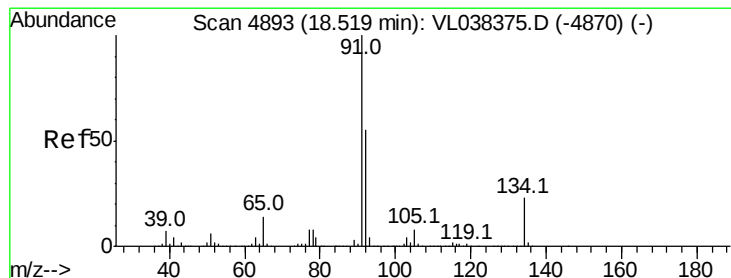
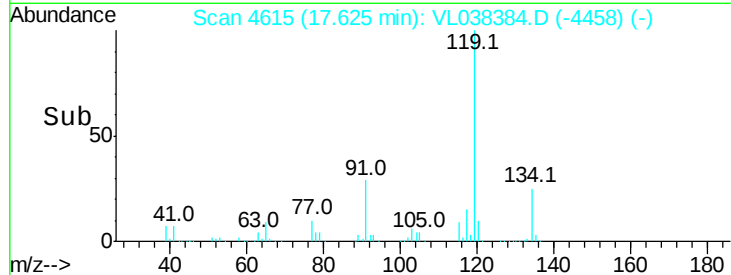
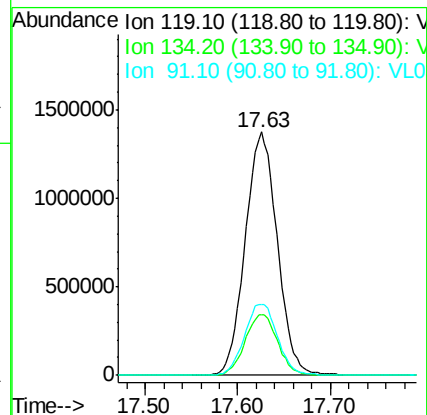
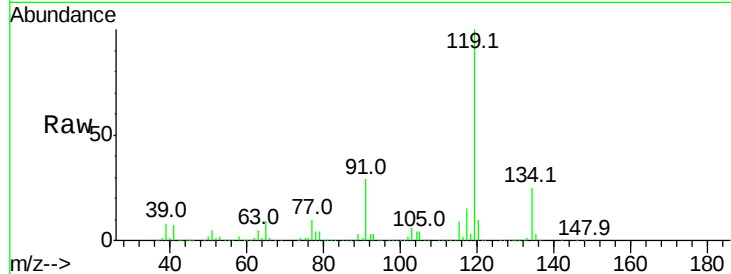




#69
 p-Isopropyltoluene
 Concen: 8.39 ppbv
 RT: 17.63 min
 Delta R.T. 0.00 min
 Lab File: VL0222ABS01
 Acq: 22 Feb 2022 10:44

Tgt Ion: 119 Resp: 3302767

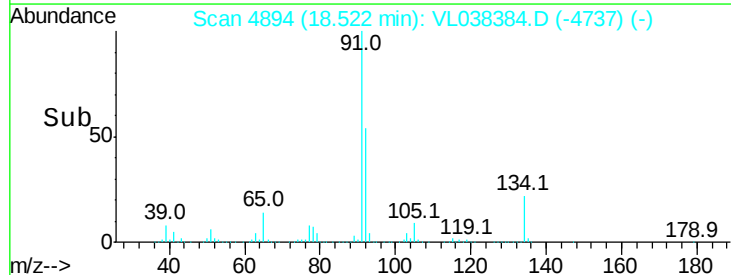
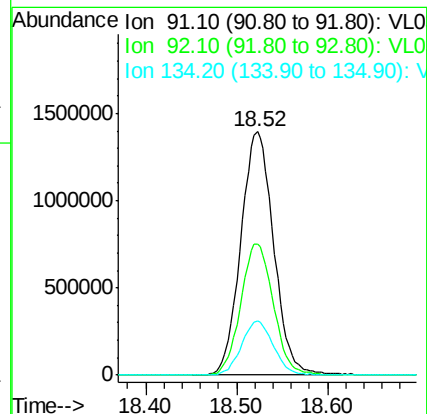
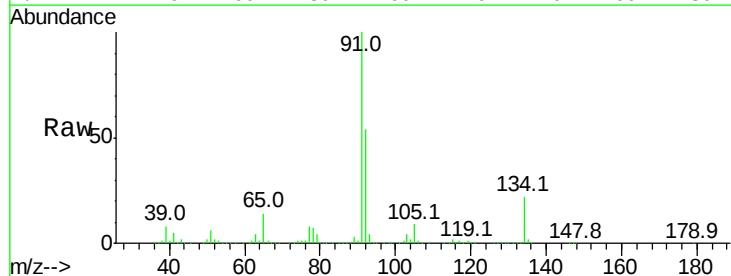
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	30.0	23.8	35.8

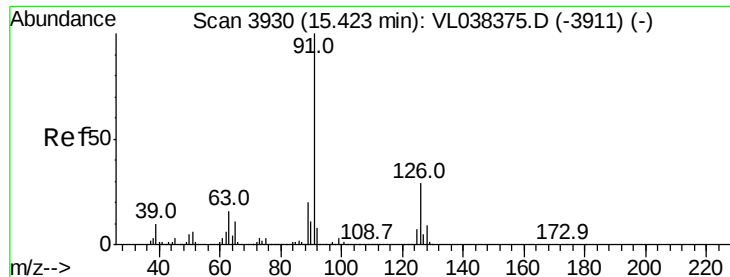


#70
 n-Butylbenzene
 Concen: 8.59 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion: 91 Resp: 3495616

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.1	64.7
134	21.7	17.4	26.0





#71

2-Chlorotoluene

Concen: 7.99 ppbv

RT: 15.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

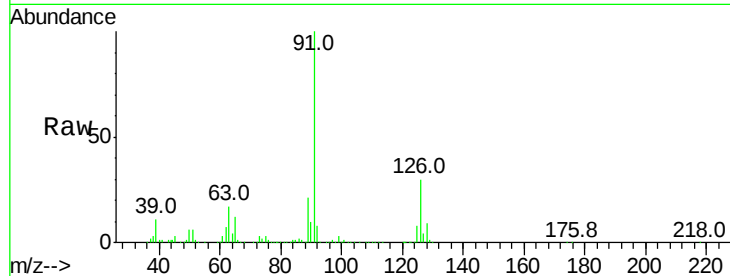
Acq: 22 Feb 2022 10:44

Tgt Ion: 91 Resp: 2508033

Ion Ratio Lower Upper

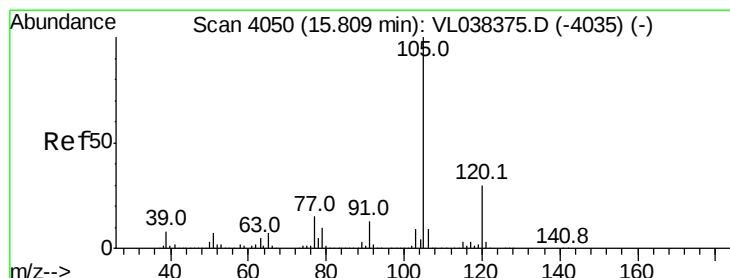
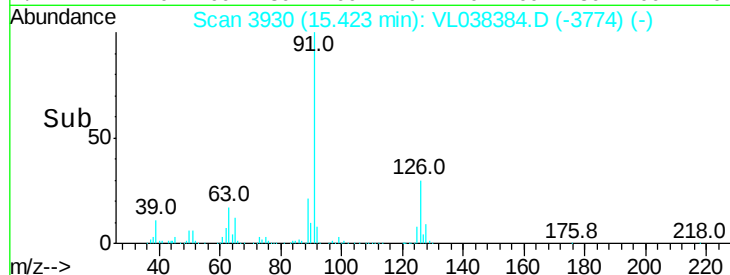
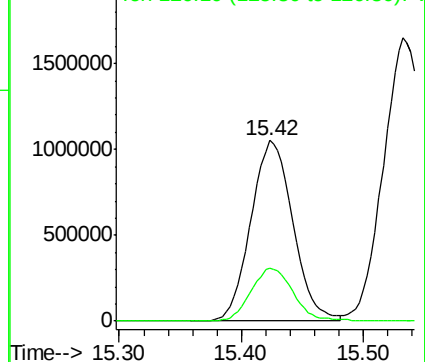
91 100

126 30.2 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.31 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

Tgt Ion: 105 Resp: 2784799

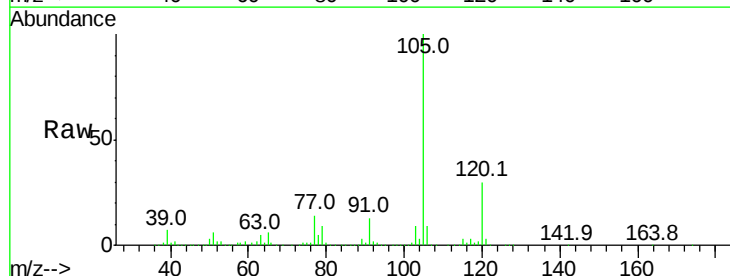
Ion Ratio Lower Upper

105 100

120 29.7 23.4 35.2

91 13.2 10.4 15.6

77 14.5 11.6 17.4

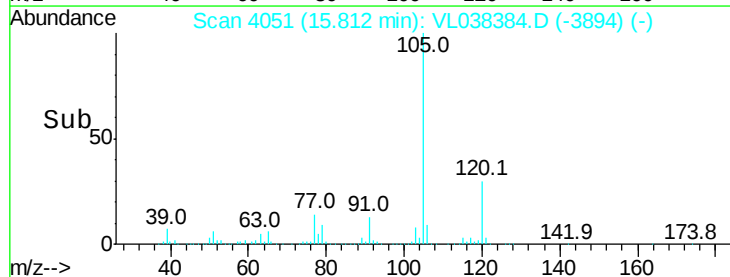
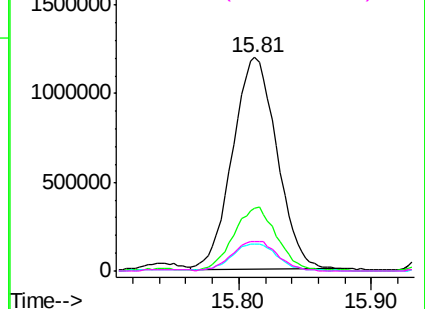


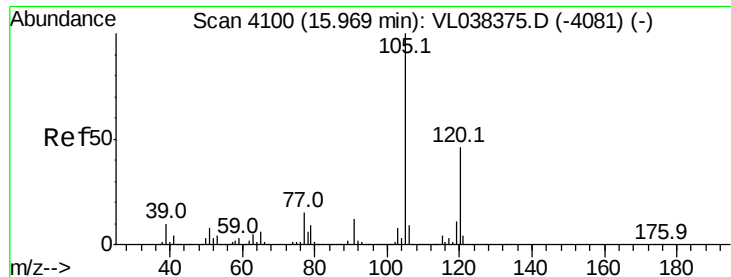
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.24 ppbv

RT: 15.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0222ABS01

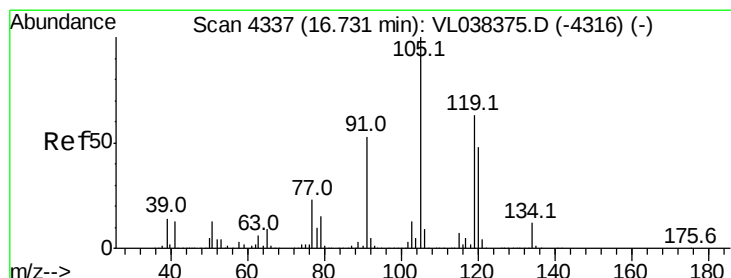
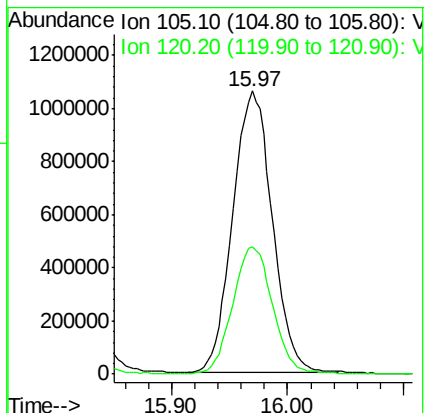
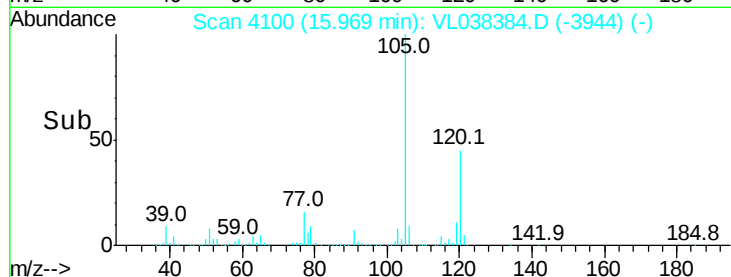
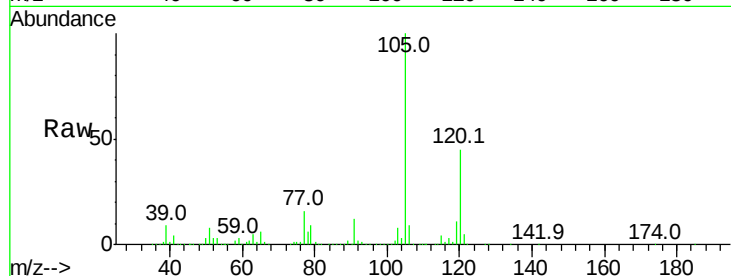
Acq: 22 Feb 2022 10:44

Tgt Ion:105 Resp: 2506071

Ion Ratio Lower Upper

105 100

120 45.1 36.6 55.0



#74

1,2,4-Trimethylbenzene

Concen: 8.19 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL038384.D

Acq: 22 Feb 2022 10:44

Tgt Ion:105 Resp: 2632043

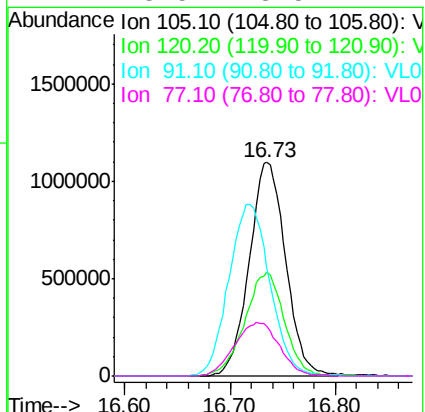
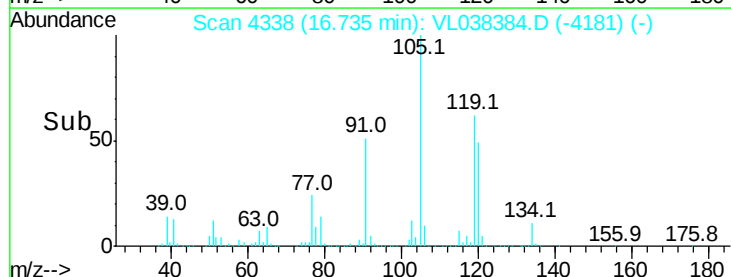
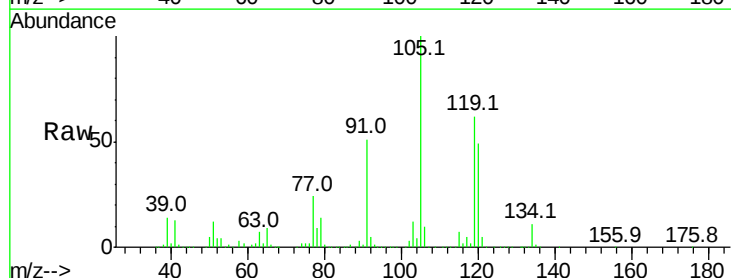
Ion Ratio Lower Upper

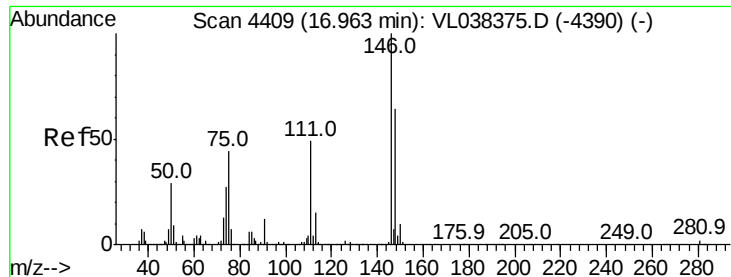
105 100

120 48.6 38.2 57.4

91 50.9 42.7 64.1

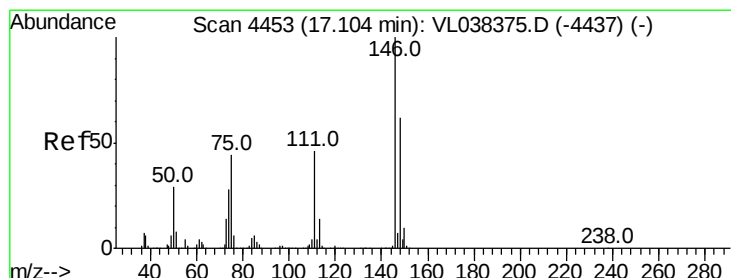
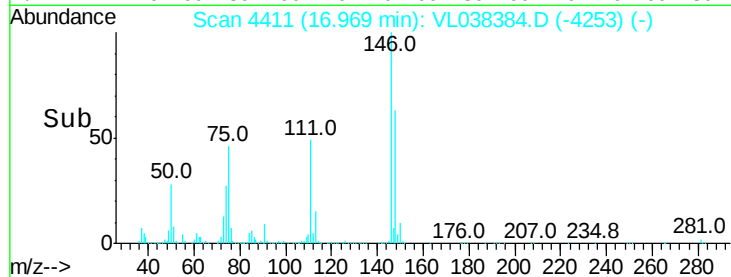
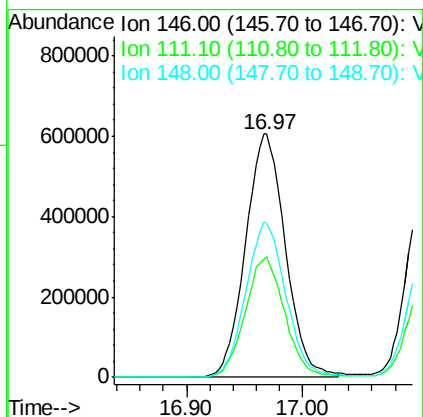
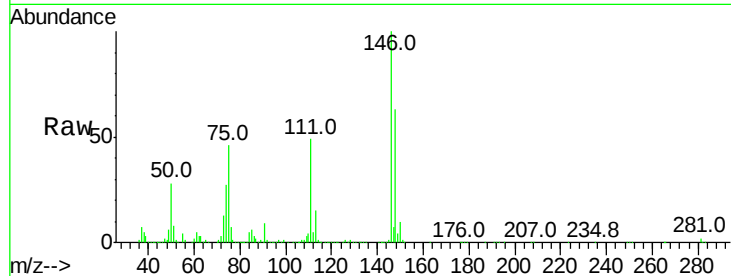
77 23.5 18.5 27.7





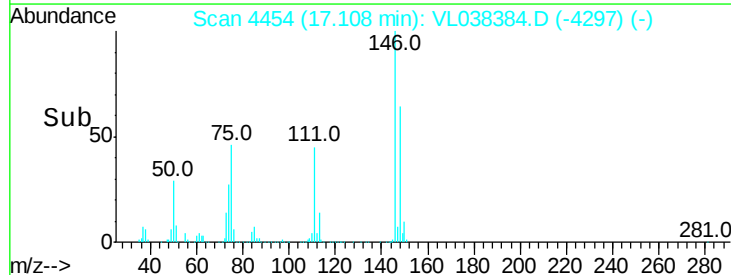
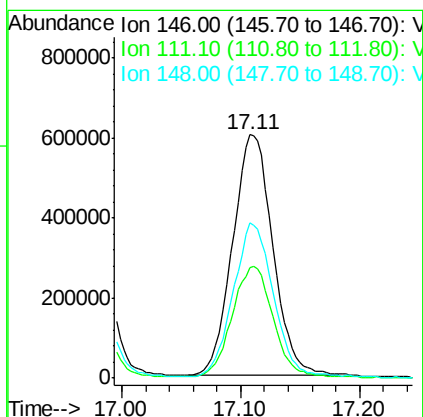
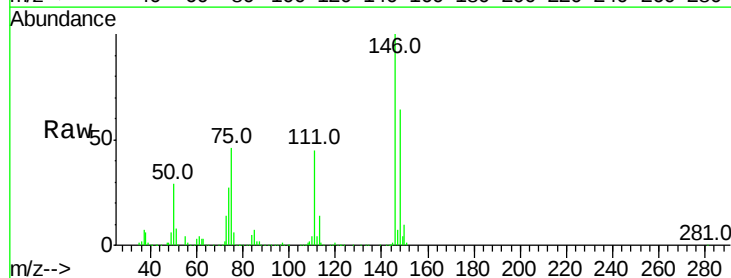
#75
 1,3-Dichlorobenzene
 Concen: 8.03 ppbv
 RT: 16.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0222ABS01
 Acq: 22 Feb 2022 10:44

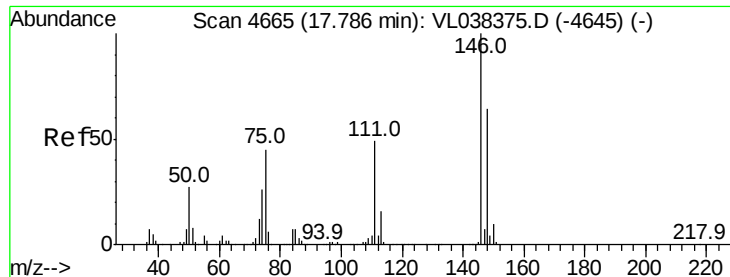
Tgt Ion:146 Resp: 1445500
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.3 72.9
 148 64.6 32.0 96.0



#76
 1,4-Dichlorobenzene
 Concen: 7.90 ppbv
 RT: 17.11 min Scan# 4454
 Delta R.T.: 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

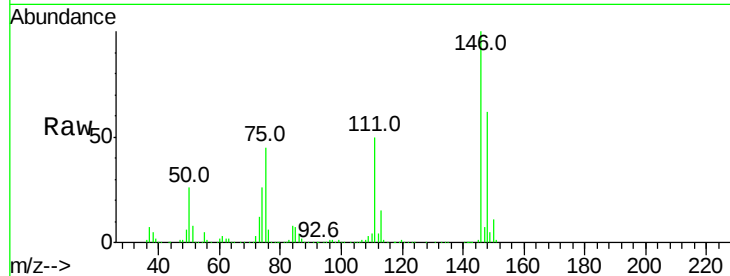
Tgt Ion:146 Resp: 1402230
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.1 72.2
 148 65.9 32.8 98.4



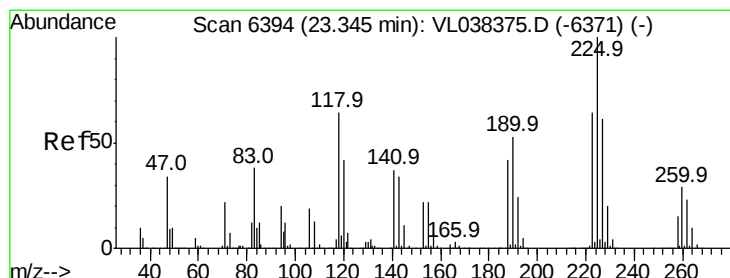
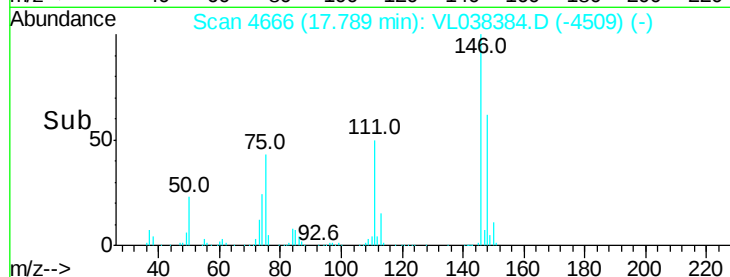
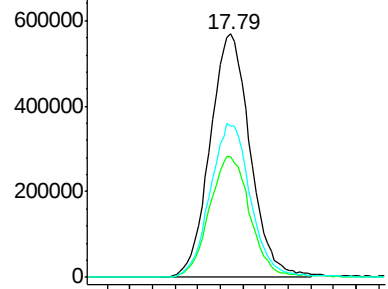


#77
 1,2-Dichlorobenzene
 Concen: 8.04 ppbv
 RT: 17.79
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0222ABS01
 Acq: 22 Feb 2022 10:44

Tgt Ion:146 Resp: 1392565
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.6 76.6
 148 64.5 32.4 97.2

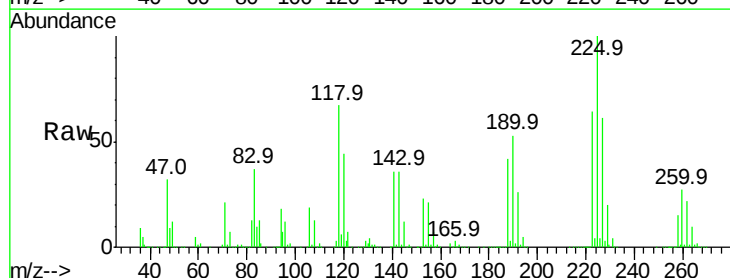


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

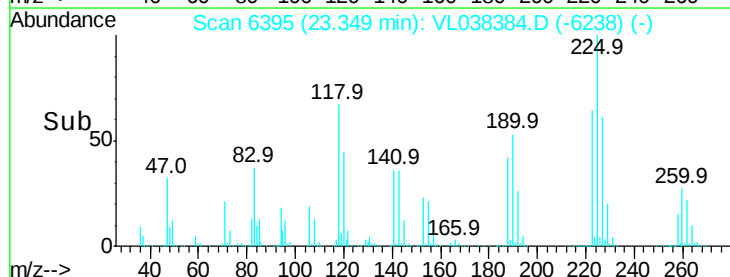
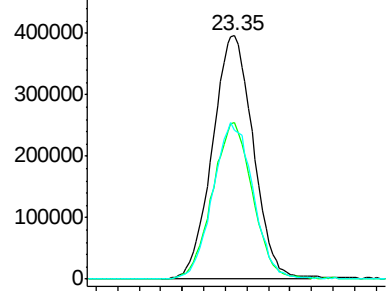


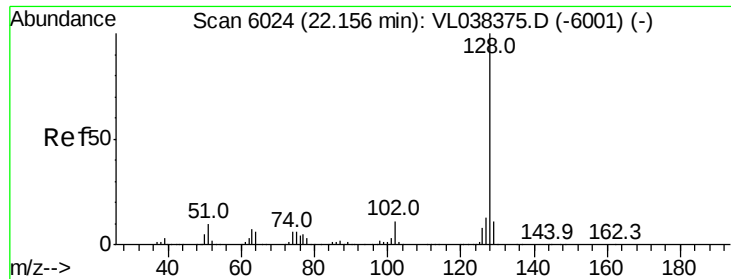
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.89 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. 0.00 min
 Lab File: VL038384.D
 Acq: 22 Feb 2022 10:44

Tgt Ion:225 Resp: 1041829
 Ion Ratio Lower Upper
 225 100
 223 63.2 52.0 78.0
 227 64.4 51.6 77.4



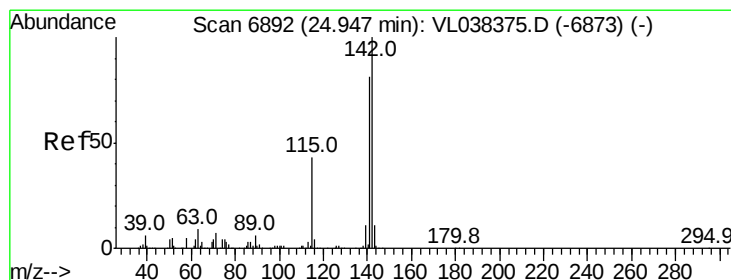
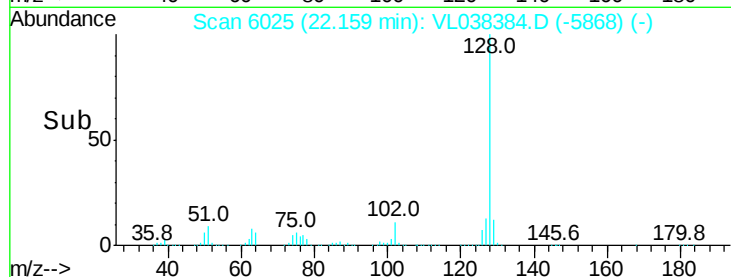
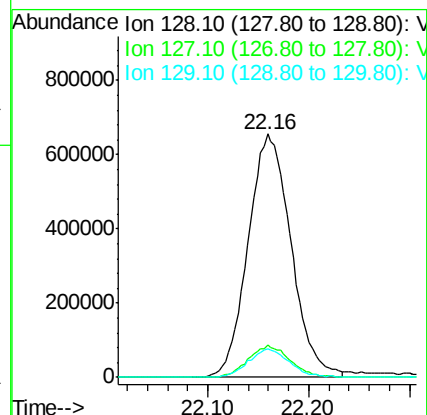
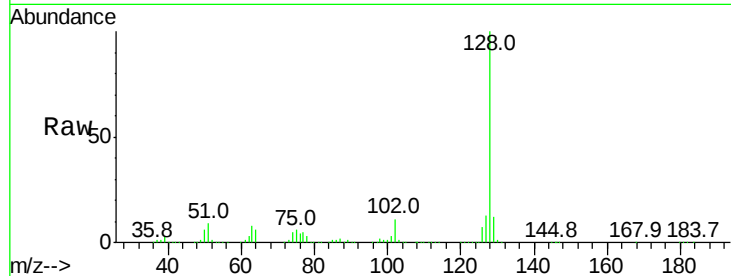
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





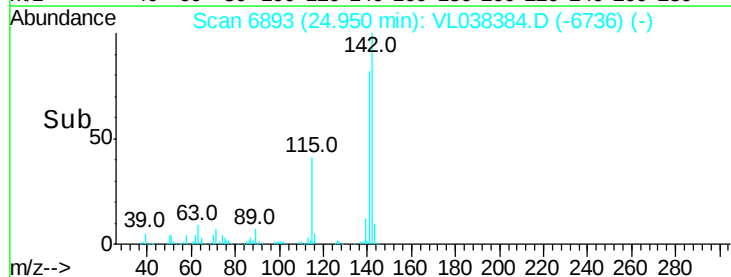
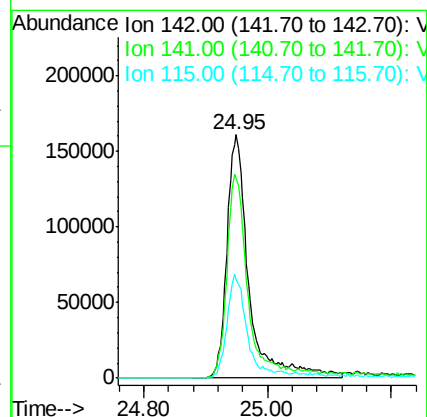
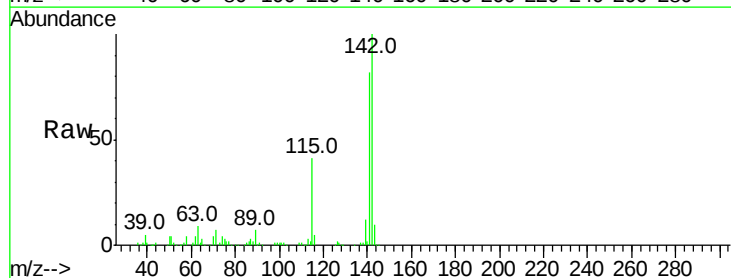
#79
Naphthalene
Concen: 11.12 ppbv
RT: 22.16 min
Instrument: MSVOA_1
Delta R.T.:
Client SampleId:
Lab File: VL0222ABS01
Acq: 22 Feb 2022 10:44

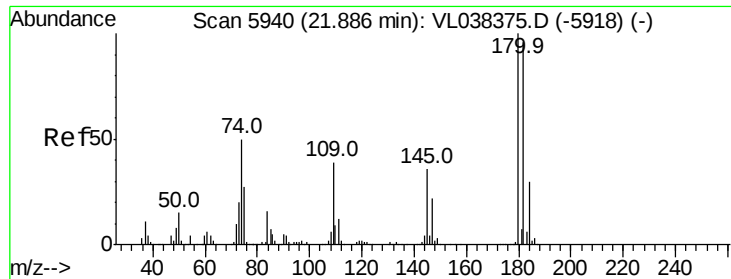
Tgt Ion:128 Resp: 1935778
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.8 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 11.73 ppbv
RT: 24.95 min Scan# 6893
Delta R.T.: 0.00 min
Lab File: VL038384.D
Acq: 22 Feb 2022 10:44

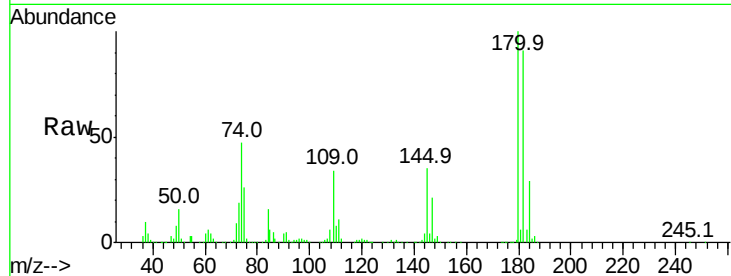
Tgt Ion:142 Resp: 399010
Ion Ratio Lower Upper
142 100
141 82.7 69.8 104.6
115 41.8 33.0 49.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.22 ppbv
 RT: 21.89
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0222ABS01
 Acq: 22 Feb 2022 10.44

Tgt Ion:180 Resp: 1075296
 Ion Ratio Lower Upper
 180 100
 182 97.8 77.4 116.2
 184 30.8 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

