

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022422\
 Data File : VL038431.D
 Acq On : 24 Feb 2022 11:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 25 00:41:21 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	5.64	49	820309	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	2143743	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	2403795	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1594141	8.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1230666	9.47	ppbv	98
3) Chlorodifluoromethane	2.97	51	1516901	10.47	ppbv	100
4) Chloromethane	3.12	50	512119	10.18	ppbv	97
5) Vinyl Chloride	3.24	62	525968	10.00	ppbv	100
6) Bromomethane	3.46	94	291980	10.52	ppbv	97
7) Chloroethane	3.54	64	177764	10.52	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1284307	10.63	ppbv	100
9) Propene	2.99	41	498838	10.43	ppbv	100
10) Heptane	8.09	43	1274835	10.95	ppbv	99
11) Trichlorofluoromethane	3.93	101	1309496	10.53	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	958128	10.51	ppbv	99
13) Ethanol	3.60	45	32725	6.86	ppbv	94
14) Bromoethene	3.72	108	380205	10.46	ppbv	100
15) Acetone	3.83	43	622149	8.92	ppbv	99
16) 1,3-Butadiene	3.31	39	507987	10.90	ppbv	98
17) tert-Butyl alcohol	4.26	59	816730	11.74	ppbv	100
18) 1,1-Dichloroethene	4.27	96	416219	10.40	ppbv	96
19) Isopropyl Alcohol	3.94	45	418849	10.37	ppbv #	97
20) Methylene Chloride	4.32	84	339907	9.83	ppbv	95
21) Allyl Chloride	4.39	41	617804	10.49	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	430630	10.66	ppbv	97
23) Vinyl Acetate	5.04	43	987560	10.68	ppbv	99
24) 1,1-Dichloroethane	4.98	63	875009	10.53	ppbv	100
25) Ethyl Acetate	5.65	43	1915905	10.22	ppbv	100
26) Hexane	5.65	57	877277	10.34	ppbv	98
27) Carbon Disulfide	4.52	76	1052538	11.15	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	928879	10.75	ppbv	99
29) Chloroform	5.72	83	1469341	10.61	ppbv	98
30) Cyclohexane	7.10	84	770712	11.10	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	656930	7.99	ppbv	94
32) 1,1,1-Trichloroethane	6.48	97	1481925	10.64	ppbv	99
34) 2-Butanone	5.21	43	661972	9.82	ppbv	97
35) Carbon Tetrachloride	6.98	117	1536019	10.19	ppbv	97
36) Benzene	6.86	78	1873036	9.92	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1101319	10.10	ppbv	100
38) Trichloroethene	7.80	130	675411	9.83	ppbv	97
39) 1,2-Dichloropropane	7.58	63	741525	9.86	ppbv	97
40) 1,4-Dioxane	7.80	88	48516	2.72	ppbv #	1
41) Tetrahydrofuran	6.02	42	467948	10.27	ppbv	100
42) Bromodichloromethane	7.75	83	1585681	10.07	ppbv	97
43) Methyl Methacrylate	7.98	69	700461	10.68	ppbv	99

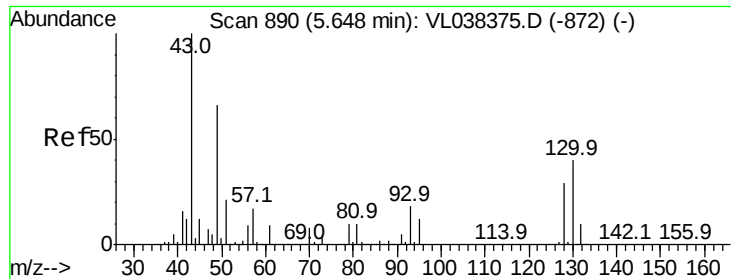
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022422\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3215570	9.91	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	562306	10.72	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	713186	10.38	ppbv	98
47) 1,1,2-Trichloroethane	9.43	97	736425	9.85	ppbv	97
48) Dibromochloromethane	10.27	129	1214551	9.93	ppbv	98
49) Bromoform	13.00	173	802603	8.89	ppbv	97
50) 4-Methyl-2-Pentanone	8.71	43	1276537	10.71	ppbv	99
51) 2-Hexanone	10.10	43	544501	10.20	ppbv #	100
52) Tetrachloroethene	11.18	164	571588	9.12	ppbv	96
53) Toluene	9.76	91	2066175	10.08	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1045208	9.93	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.08	131	790321	7.89	ppbv	98
57) Chlorobenzene	12.10	112	1391121	7.50	ppbv	99
58) Ethyl Benzene	12.67	91	2621958	7.98	ppbv	98
59) m/p-Xylene	12.95	91	2220708	7.87	ppbv #	35
60) o-Xylene	13.65	91	2024504	7.59	ppbv	99
61) Styrene	13.48	104	977146	7.94	ppbv	97
62) Isopropylbenzene	14.63	105	2662346	7.43	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	1357725	6.26	ppbv	98
64) n-propylbenzene	15.52	120	614848	6.93	ppbv	81
65) tert-Butylbenzene	16.70	119	2146436	6.92	ppbv	99
66) Benzyl Chloride	16.94	91	102292	6.10	ppbv	98
67) sec-Butylbenzene	17.25	105	2991597	6.81	ppbv	98
69) p-Isopropyltoluene	17.61	119	2399811	6.95	ppbv	99
70) n-Butylbenzene	18.51	91	2567170	7.19	ppbv	99
71) 2-Chlorotoluene	15.41	91	1861701	6.76	ppbv	98
72) 4-Ethyltoluene	15.80	105	2196636	7.47	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	1909211	7.15	ppbv	97
74) 1,2,4-Trimethylbenzene	16.72	105	1967581	6.98	ppbv	98
75) 1,3-Dichlorobenzene	16.95	146	1008435	6.39	ppbv	98
76) 1,4-Dichlorobenzene	17.09	146	991441	6.37	ppbv	99
77) 1,2-Dichlorobenzene	17.77	146	978978	6.44	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	809867	6.99	ppbv	99
79) Naphthalene	22.14	128	1510104	9.89	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	242104	8.11	ppbv	96
81) 1,2,4-Trichlorobenzene	21.87	180	812101	8.79	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

Acq: 24 Feb 2022 11:09

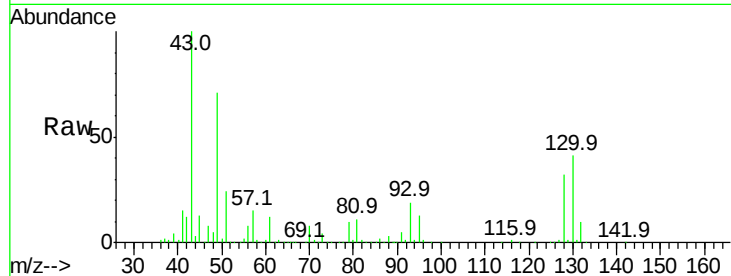
Tgt Ion: 49 Resp: 820309

Ion Ratio Lower Upper

49 100

128 50.2 24.3 72.9

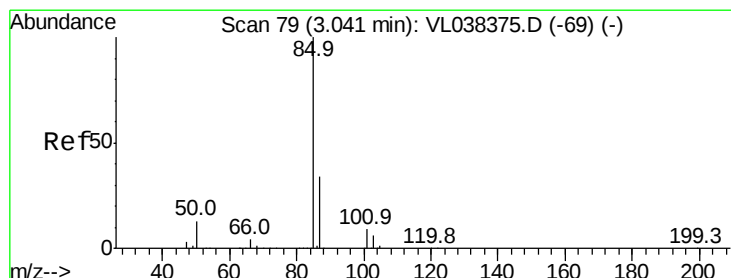
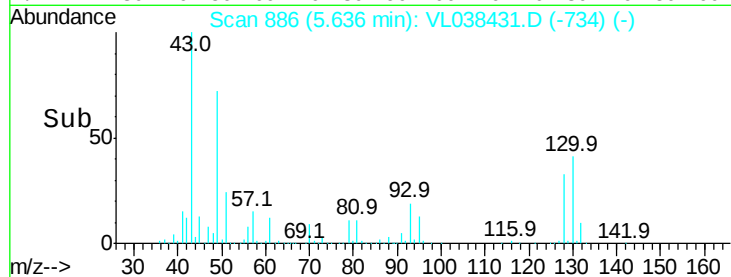
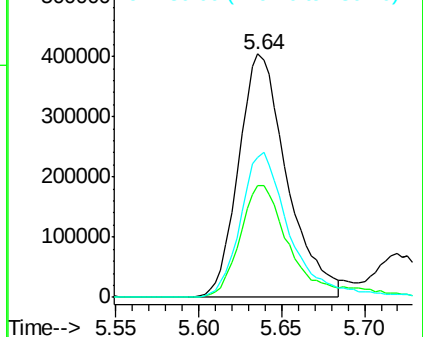
130 62.2 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.47 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL038431.D

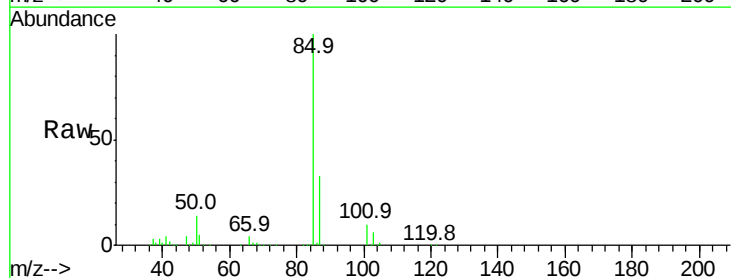
Acq: 24 Feb 2022 11:09

Tgt Ion: 85 Resp: 1230666

Ion Ratio Lower Upper

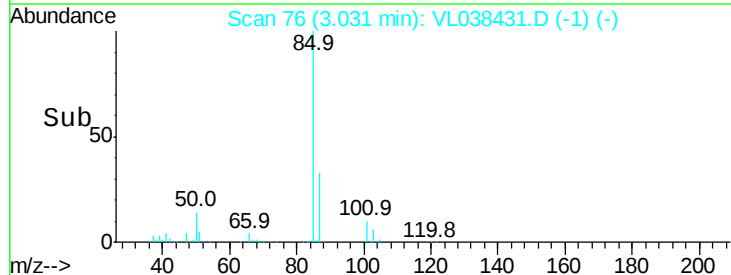
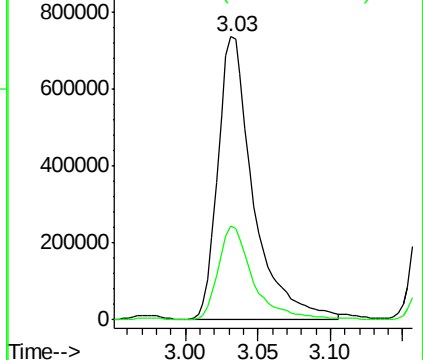
85 100

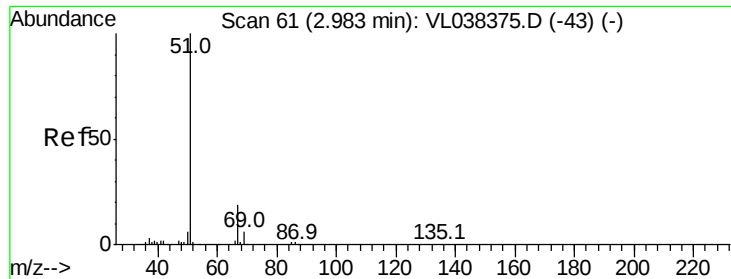
87 32.9 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.47 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

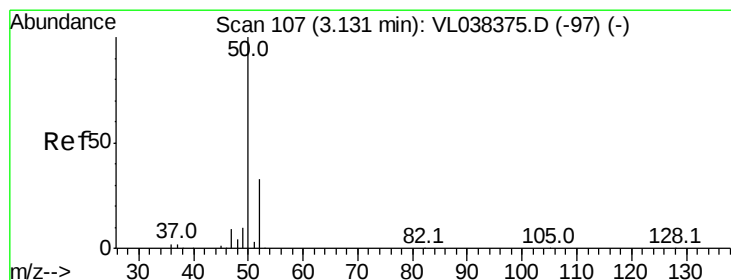
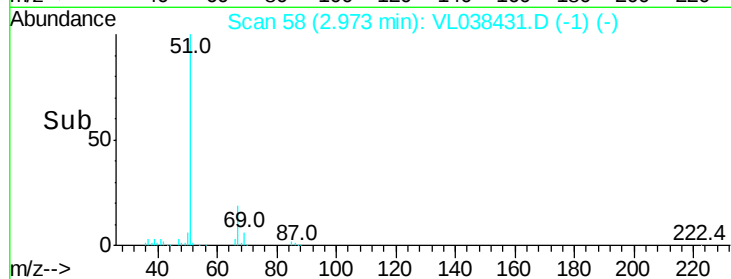
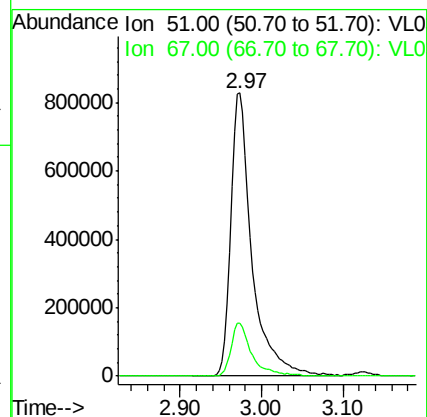
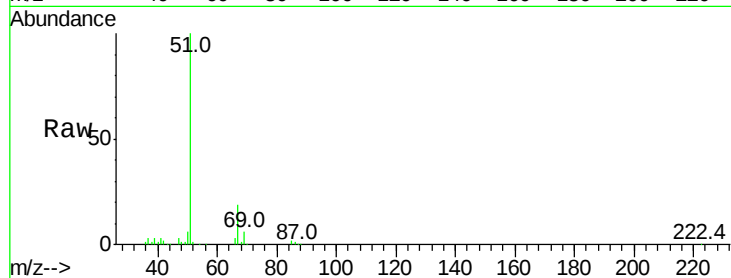
Acq: 24 Feb 2022 11:09 VSTDCCC010

Tgt Ion: 51 Resp: 1516901

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1



#4

Chloromethane

Concen: 10.18 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL038431.D

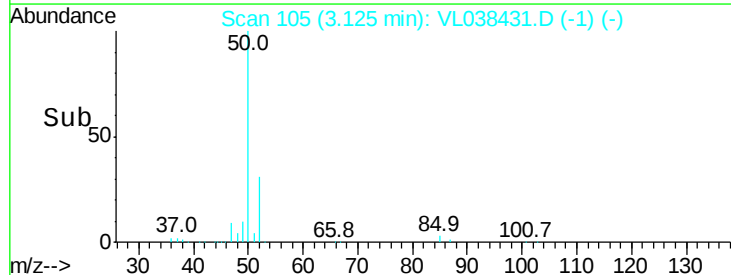
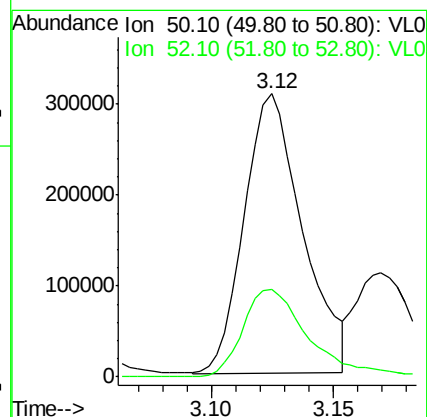
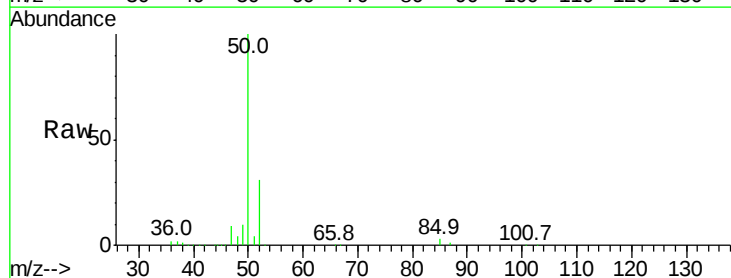
Acq: 24 Feb 2022 11:09

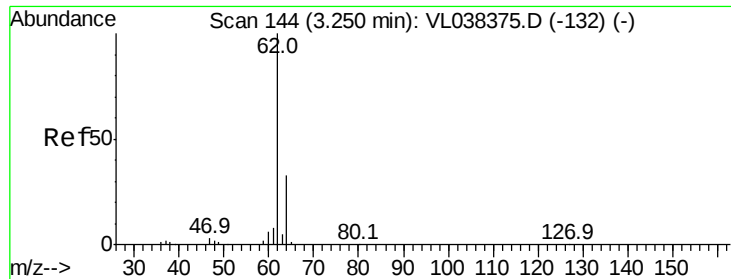
Tgt Ion: 50 Resp: 512119

Ion Ratio Lower Upper

50 100

52 31.5 26.5 39.7





#5

Vinyl Chloride

Concen: 10.00 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

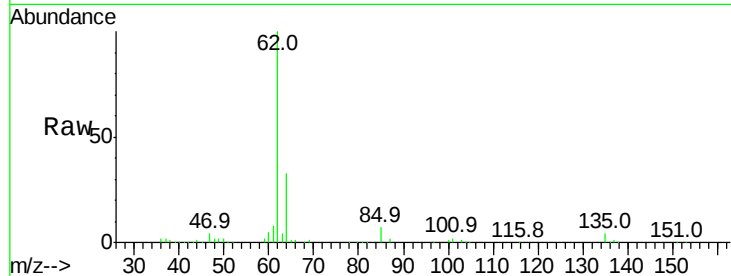
Acq: 24 Feb 2022 11:09 VSTDCCC010

Tgt Ion: 62 Resp: 525968

Ion Ratio Lower Upper

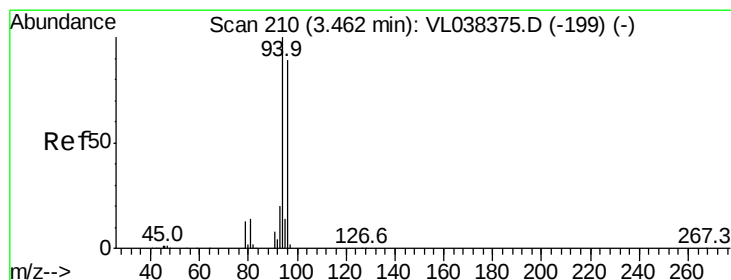
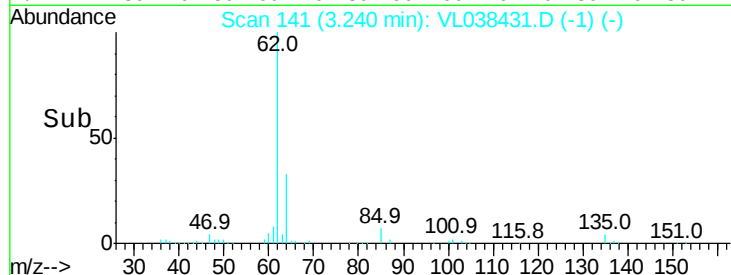
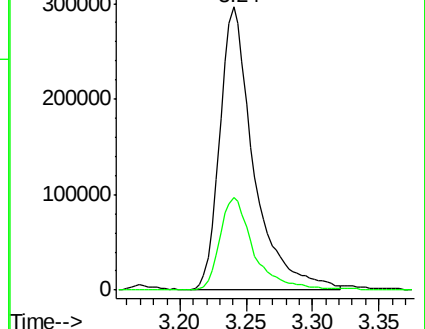
62 100

64 32.7 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.52 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.01 min

Lab File: VL038431.D

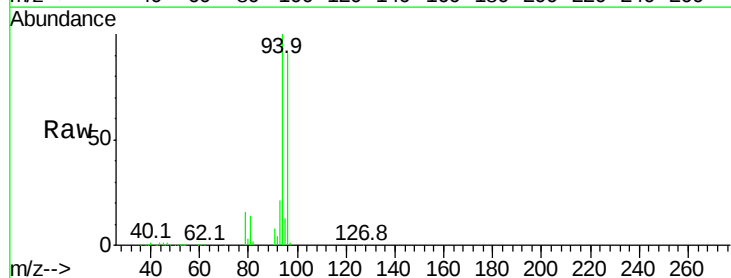
Acq: 24 Feb 2022 11:09

Tgt Ion: 94 Resp: 291980

Ion Ratio Lower Upper

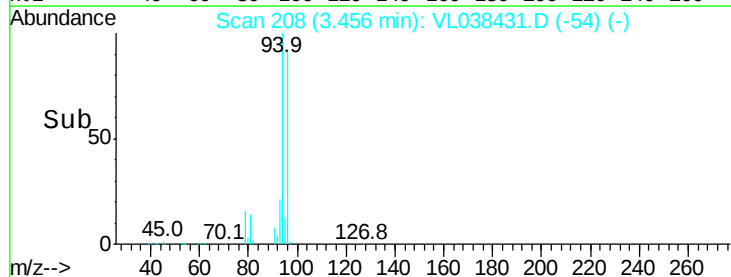
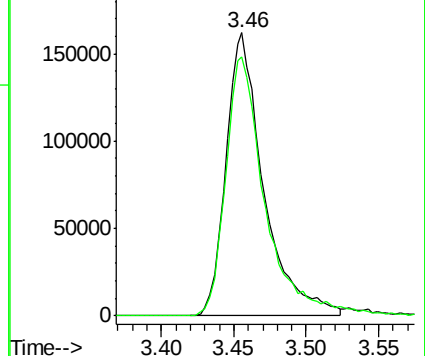
94 100

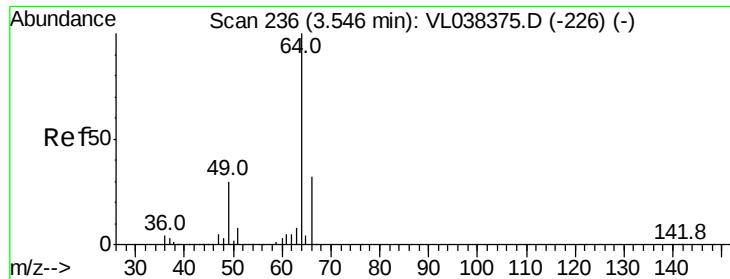
96 91.3 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.52 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

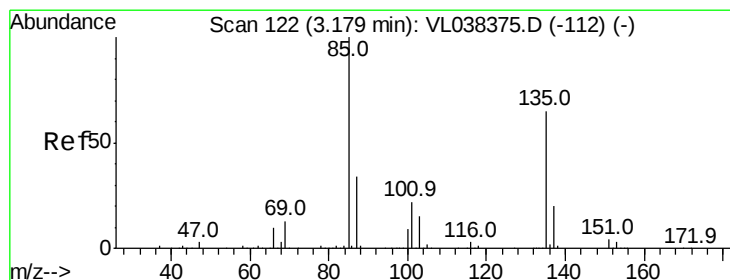
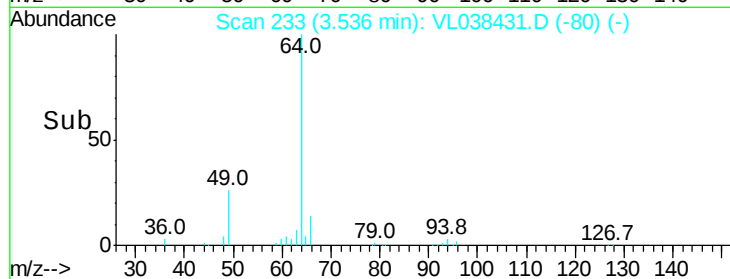
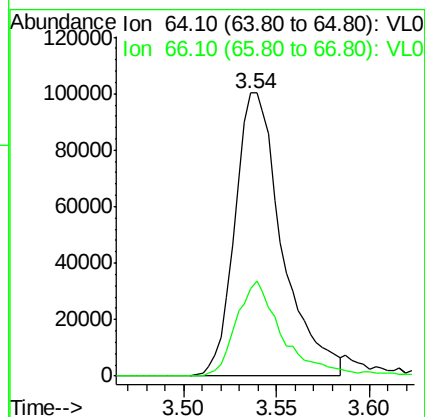
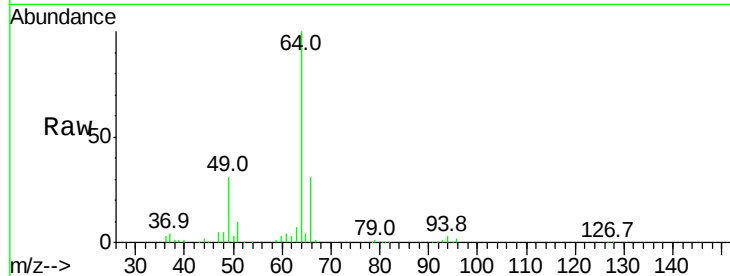
Acq: 24 Feb 2022 11:09 VSTDCCC010

Tgt Ion: 64 Resp: 177764

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 10.63 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL038431.D

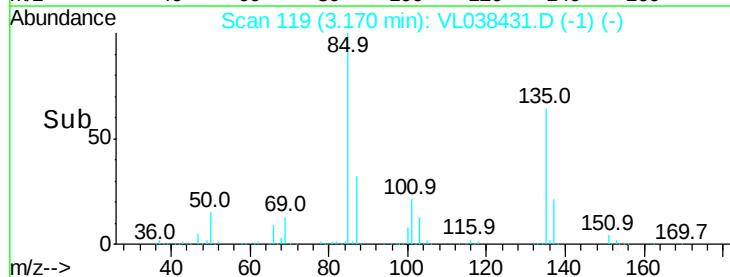
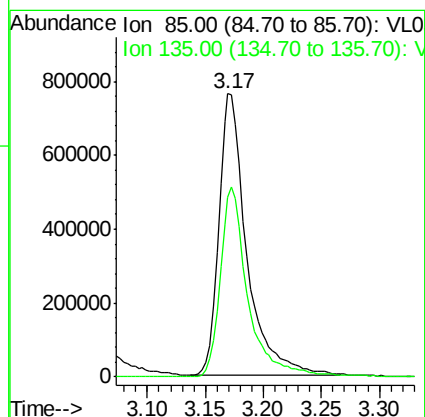
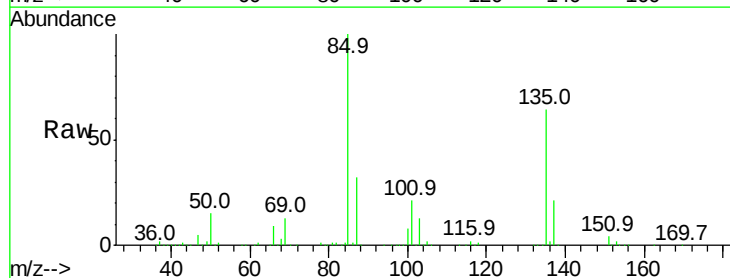
Acq: 24 Feb 2022 11:09

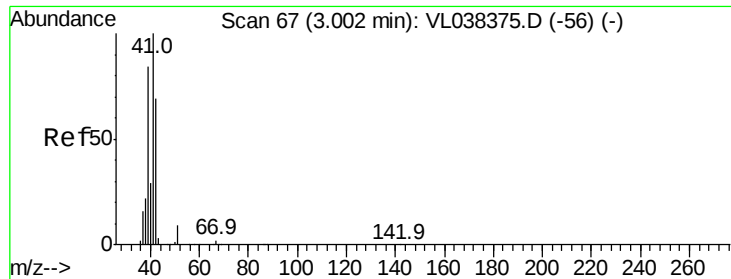
Tgt Ion: 85 Resp: 1284307

Ion Ratio Lower Upper

85 100

135 67.6 54.1 81.1





#9

Propene

Concen: 10.43 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010

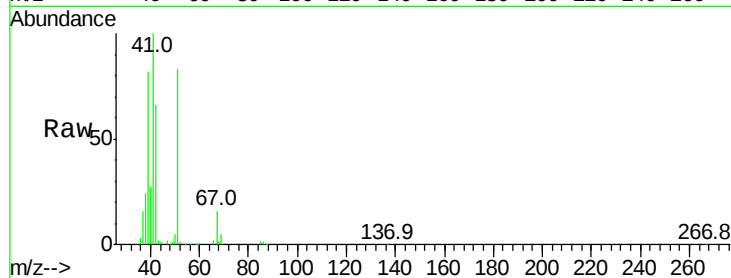
Acq: 24 Feb 2022 11:09

Tgt Ion: 41 Resp: 498838

Ion Ratio Lower Upper

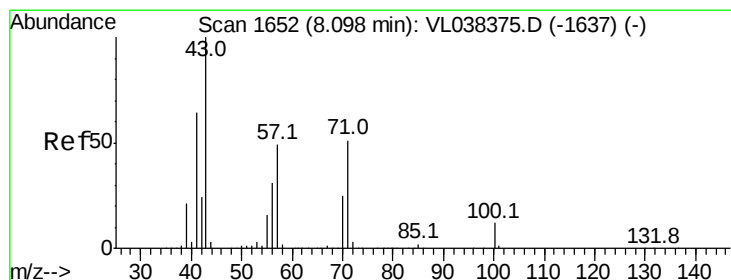
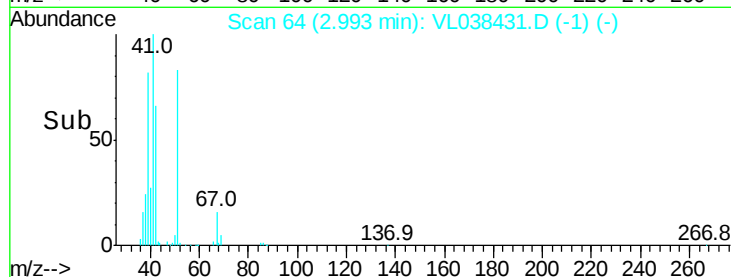
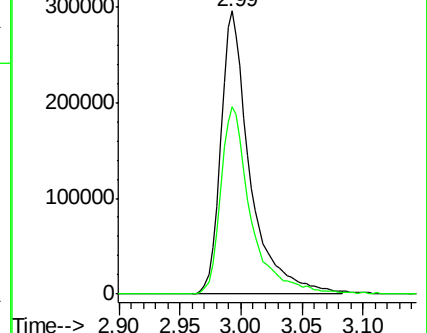
41 100

42 68.7 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: 10.95 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL038431.D

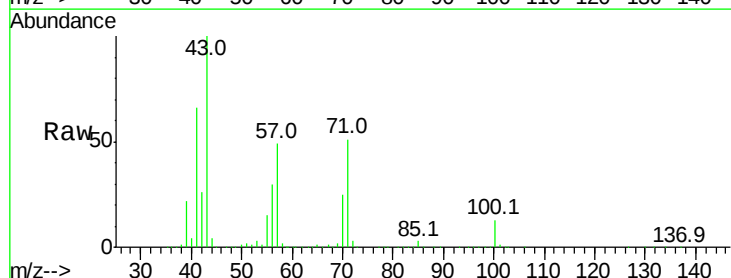
Acq: 24 Feb 2022 11:09

Tgt Ion: 43 Resp: 1274835

Ion Ratio Lower Upper

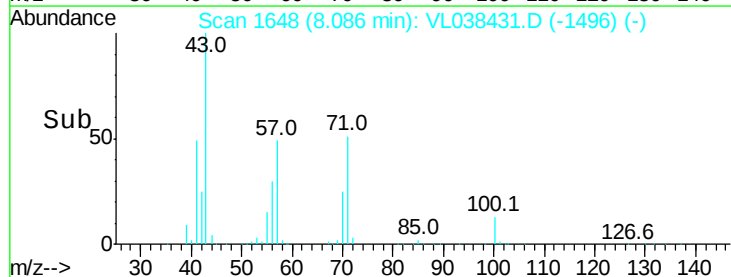
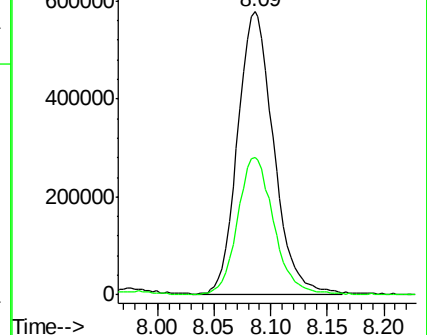
43 100

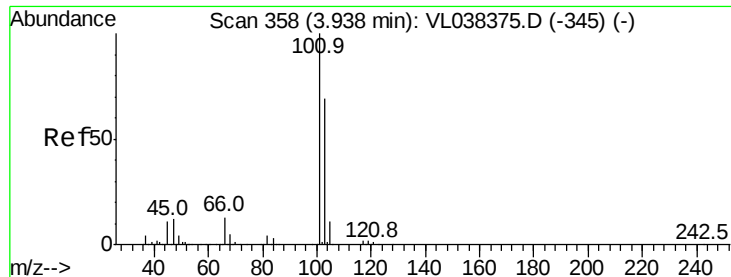
57 49.0 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

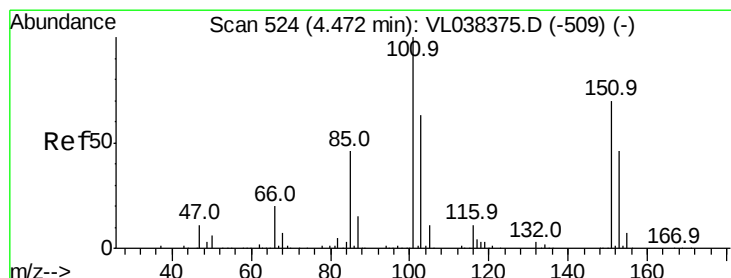
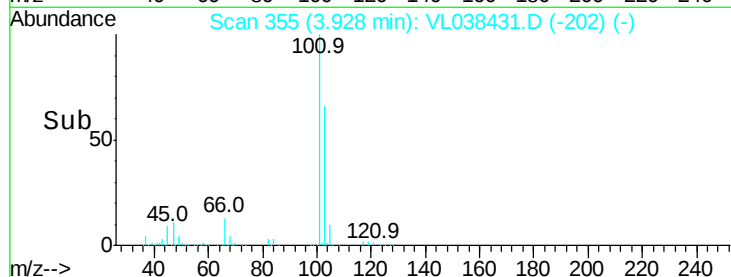
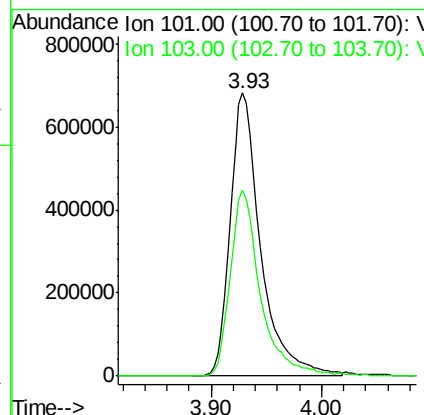
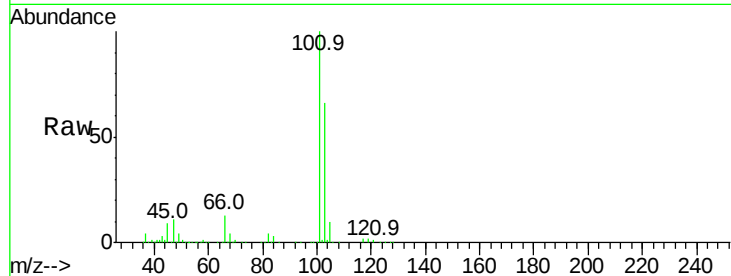
Ion 57.10 (56.80 to 57.80): VL0





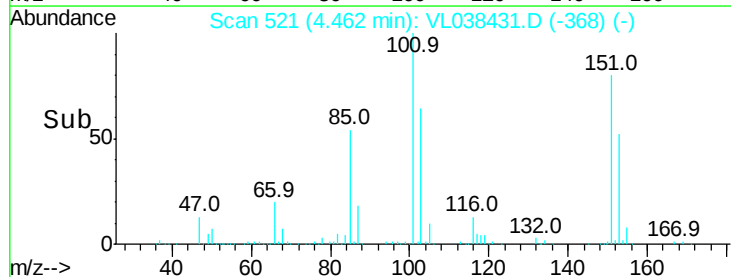
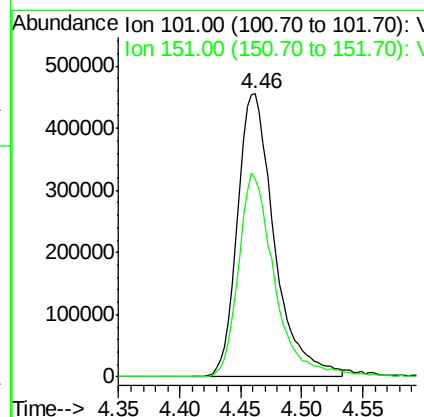
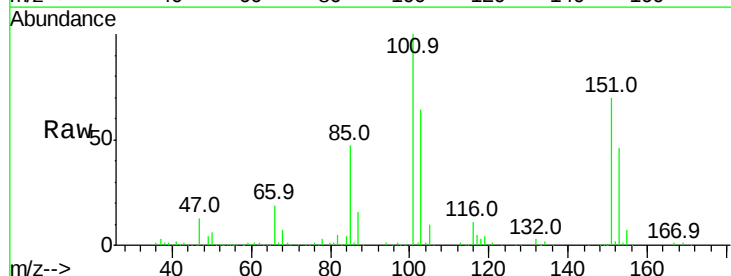
#11
 Trichlorofluoromethane
 Concen: 10.53 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Feb 2022 11:09

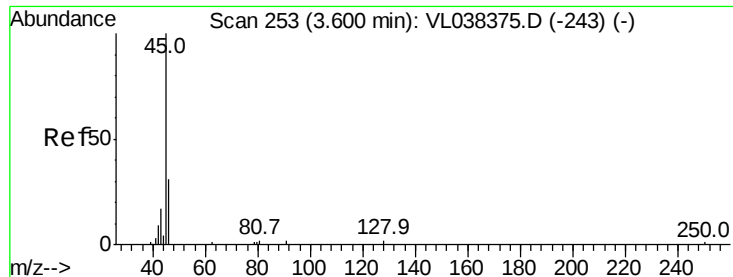
Tgt Ion:101 Resp: 1309496
 Ion Ratio Lower Upper
 101 100
 103 65.8 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.51 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

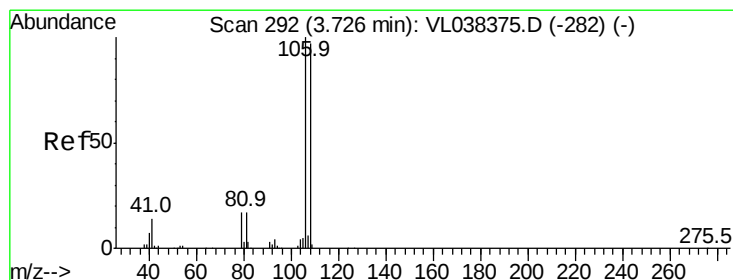
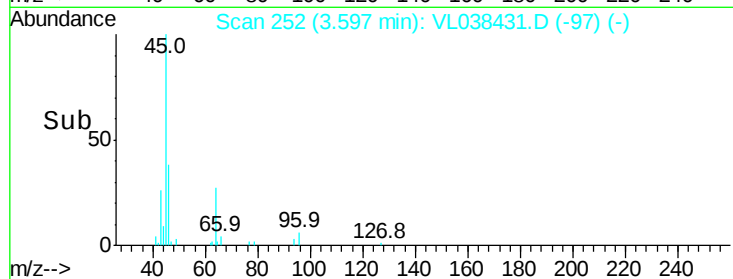
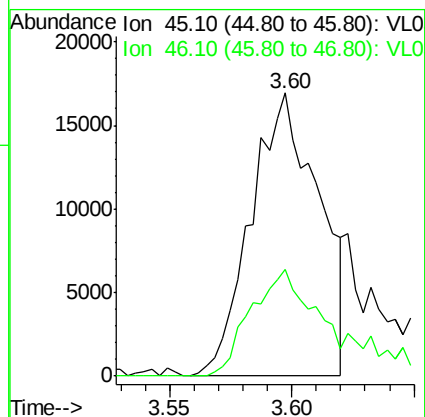
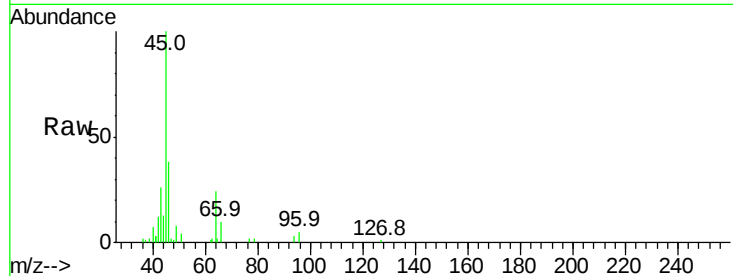
Tgt Ion:101 Resp: 958128
 Ion Ratio Lower Upper
 101 100
 151 70.6 55.9 83.9





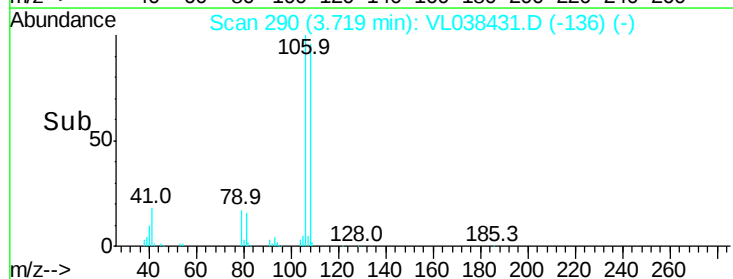
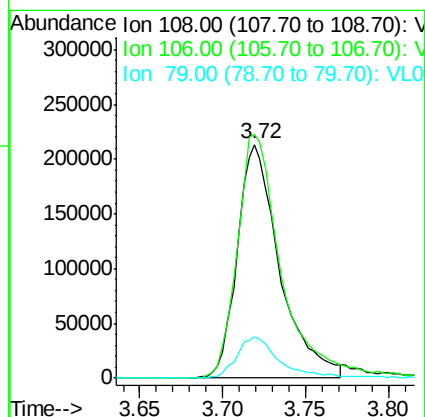
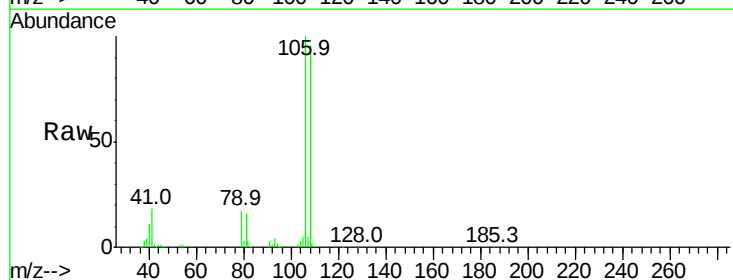
#13
 Ethanol
 Concen: 6.86 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

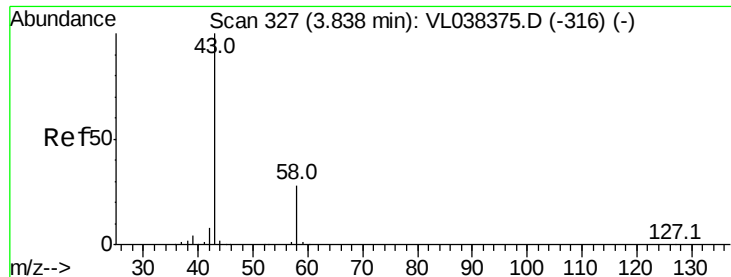
Tgt Ion: 45 Resp: 32725
 Ion Ratio Lower Upper
 45 100
 46 49.4 18.2 72.8



#14
 Bromoethene
 Concen: 10.46 ppbv
 RT: 3.72 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

Tgt Ion: 108 Resp: 380205
 Ion Ratio Lower Upper
 108 100
 106 110.0 88.4 132.6
 79 18.6 15.0 22.6





#15

Acetone

Concen: 8.92 ppbv

RT: 3.83 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

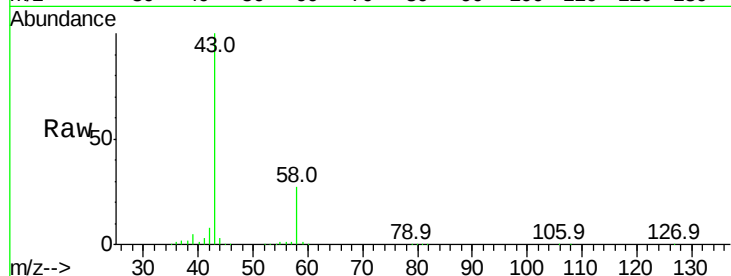
Acq: 24 Feb 2022 11:09

Tgt Ion: 43 Resp: 622149

Ion Ratio Lower Upper

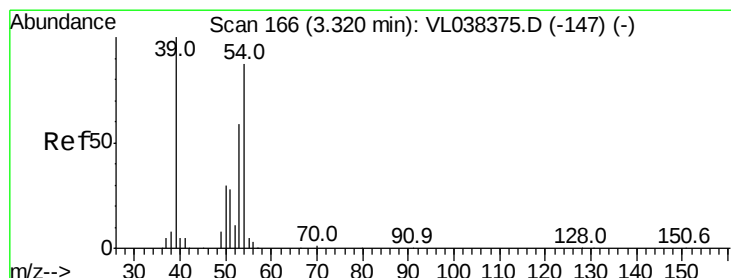
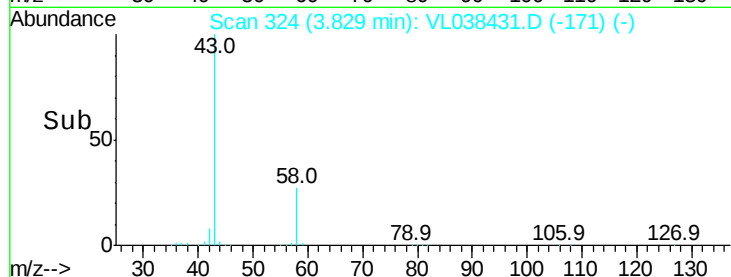
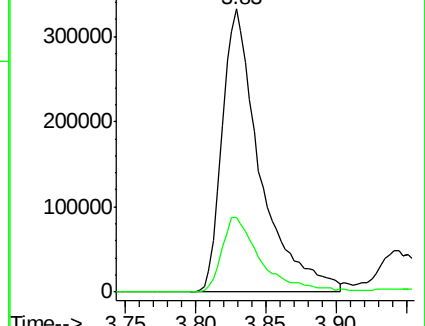
43 100

58 27.4 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.90 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL038431.D

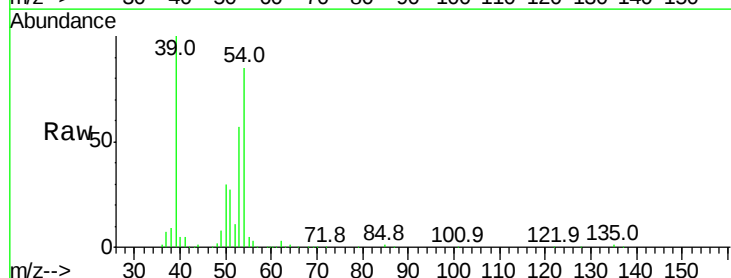
Acq: 24 Feb 2022 11:09

Tgt Ion: 39 Resp: 507987

Ion Ratio Lower Upper

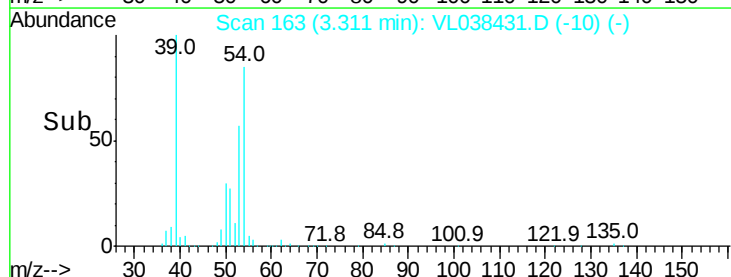
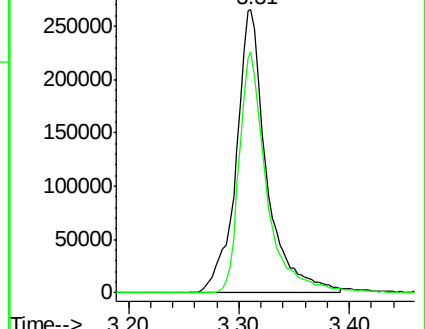
39 100

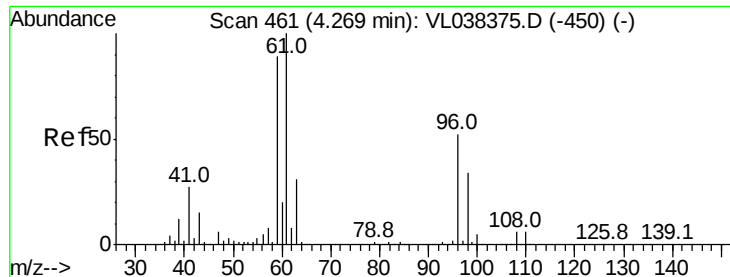
54 77.5 60.3 90.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.74 ppbv

RT: 4.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

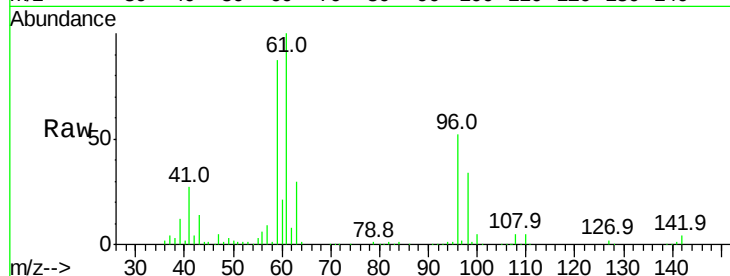
Acq: 24 Feb 2022 11:09 VSTDCCC010

Tgt Ion: 59 Resp: 816730

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.26

400000

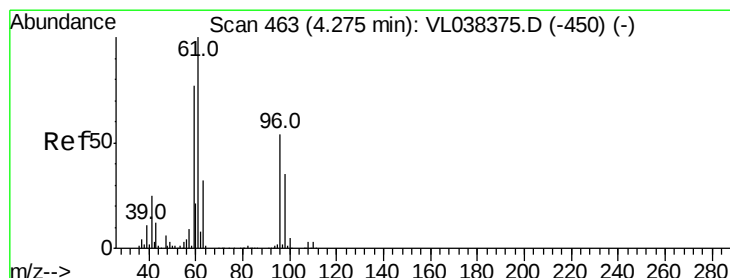
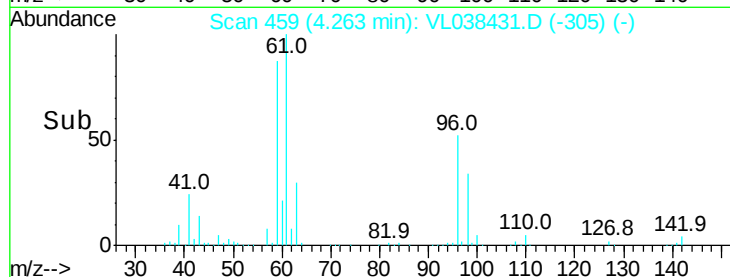
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.40 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

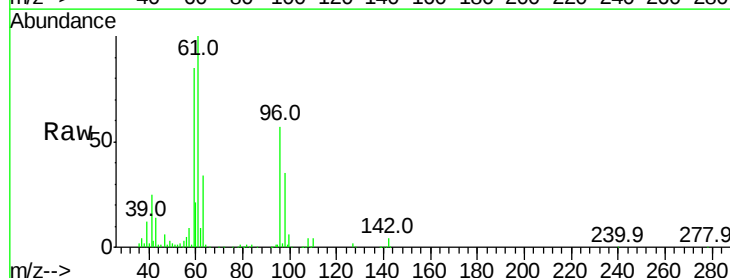
Tgt Ion: 96 Resp: 416219

Ion Ratio Lower Upper

96 100

61 176.9 146.8 220.2

98 62.2 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

500000

400000

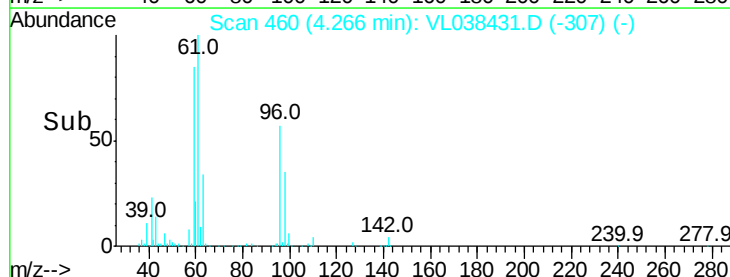
300000

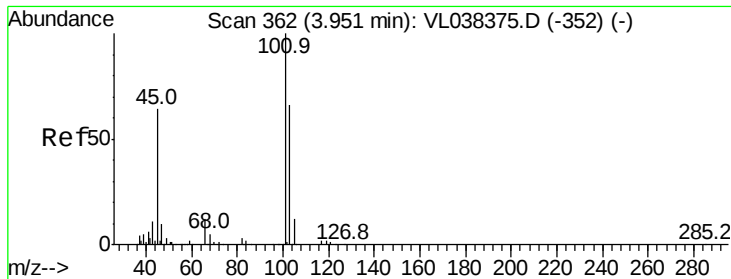
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.37 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

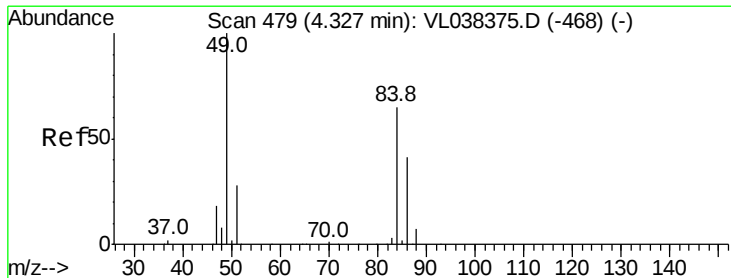
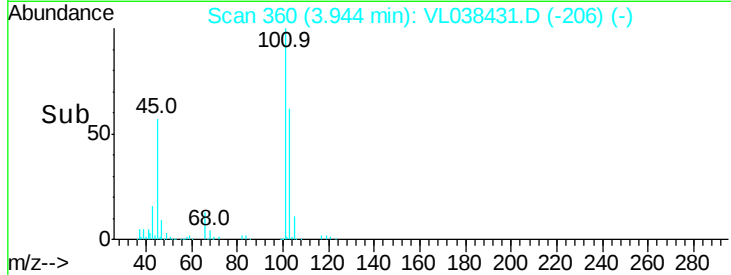
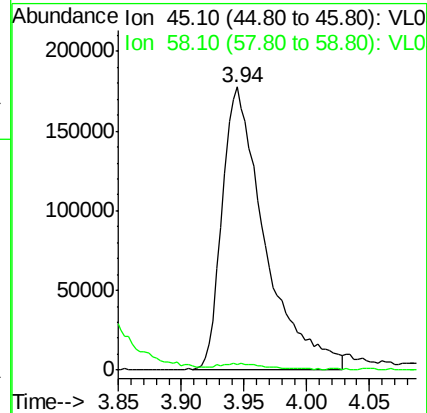
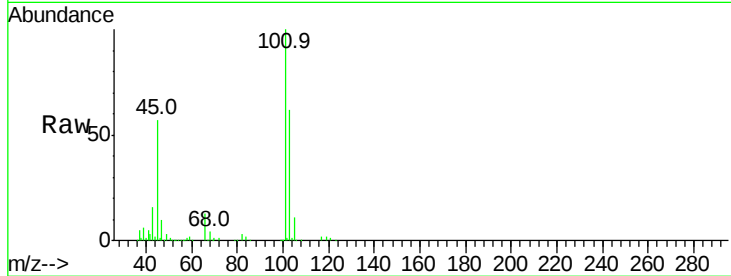
Acq: 24 Feb 2022 11:09 VSTDCCC010

Tgt Ion: 45 Resp: 418849

Ion Ratio Lower Upper

45 100

58 3.4 1.8 2.8#



#20

Methylene Chloride

Concen: 9.83 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

Tgt Ion: 84 Resp: 339907

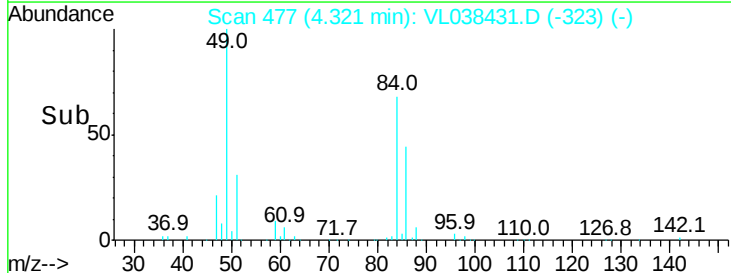
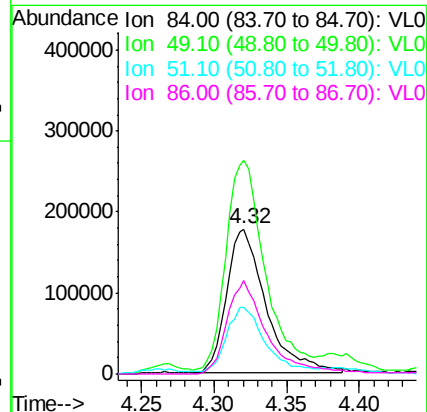
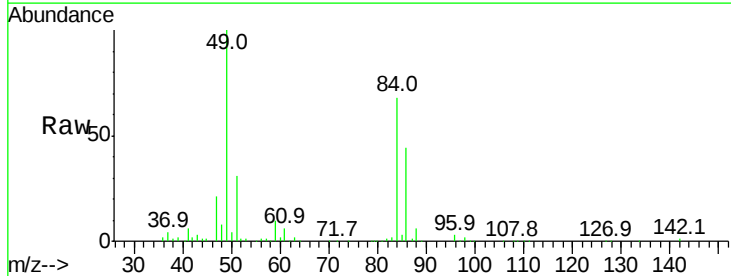
Ion Ratio Lower Upper

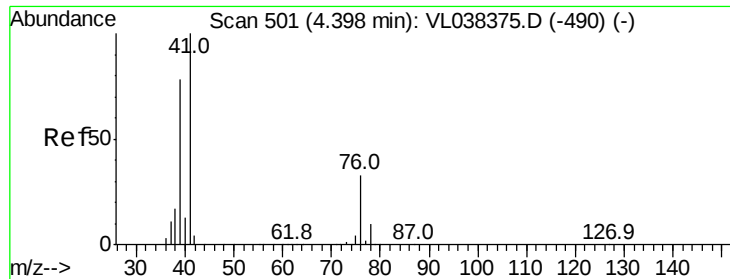
84 100

49 145.8 122.4 183.6

51 44.6 33.3 49.9

86 65.2 50.7 76.1





#21

Allyl Chloride

Concen: 10.49 ppbv

RT: 4.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09 VSTDCCC010

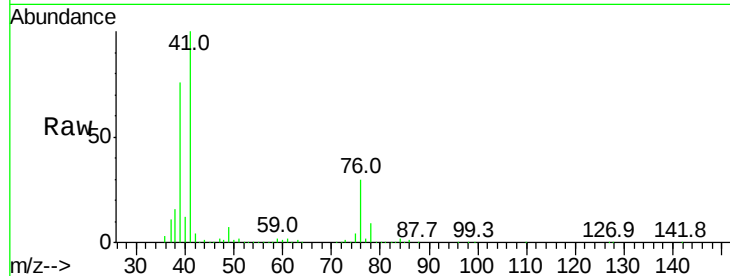
Tgt Ion: 41 Resp: 617804

Ion Ratio Lower Upper

41 100

76 31.0 25.4 38.0

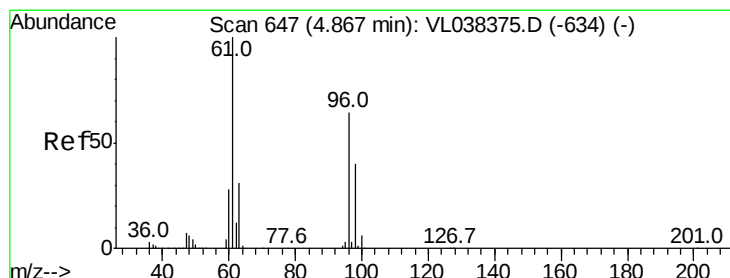
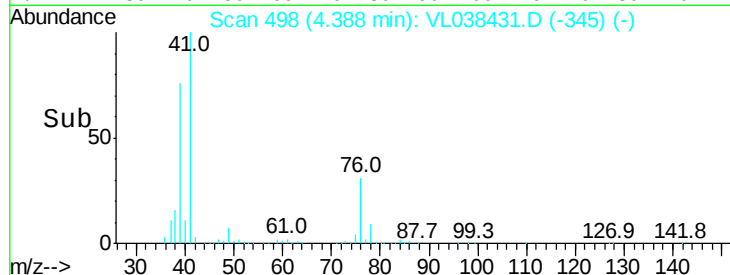
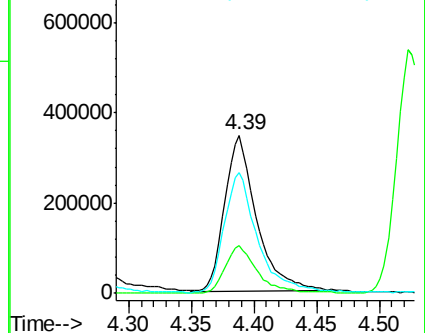
39 79.6 63.0 94.6



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: 10.66 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

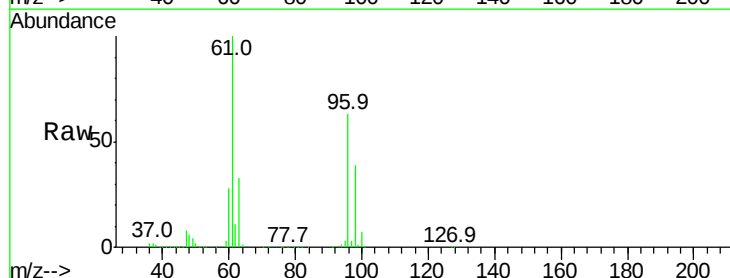
Tgt Ion: 96 Resp: 430630

Ion Ratio Lower Upper

96 100

61 159.5 124.2 186.4

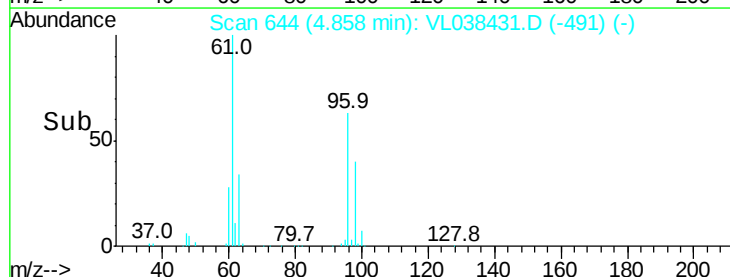
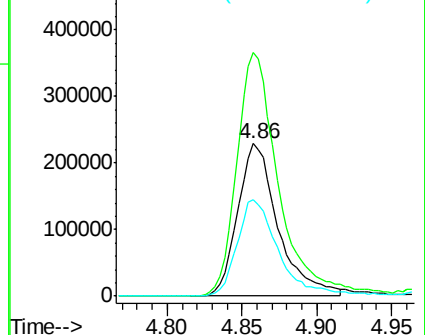
98 63.0 49.1 73.7

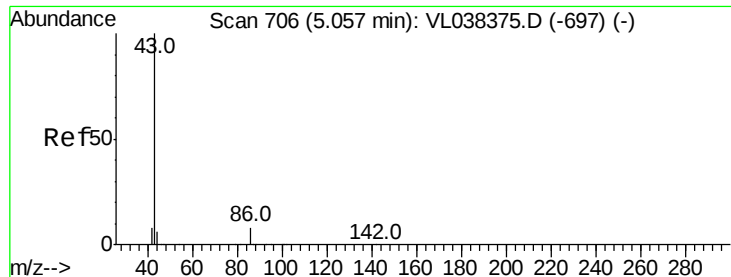


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

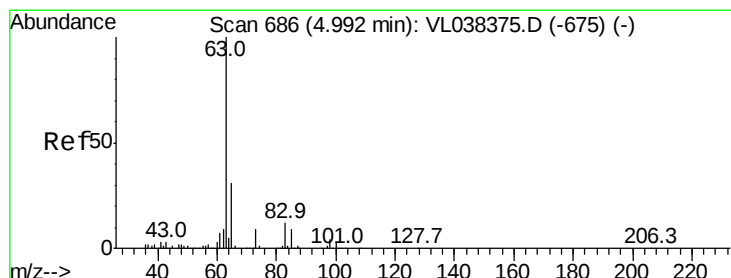
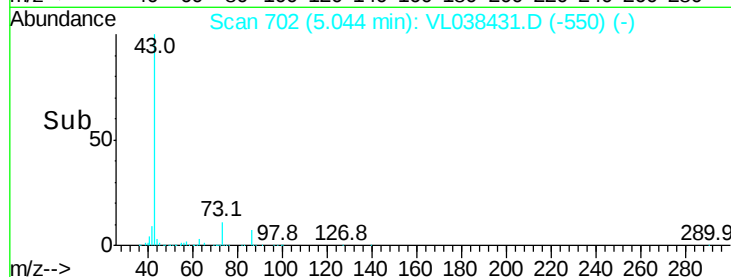
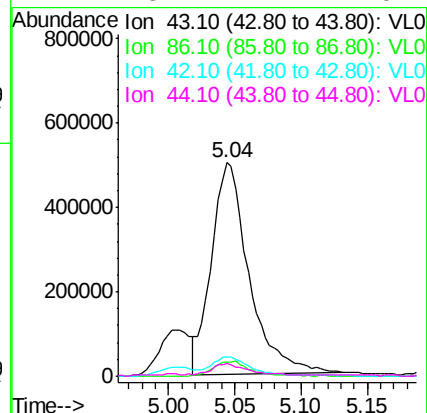
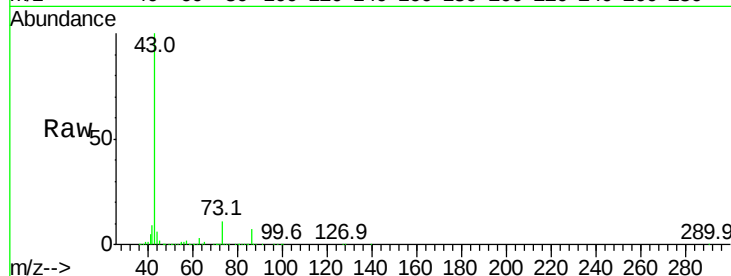
Ion 98.00 (97.70 to 98.70): VL0





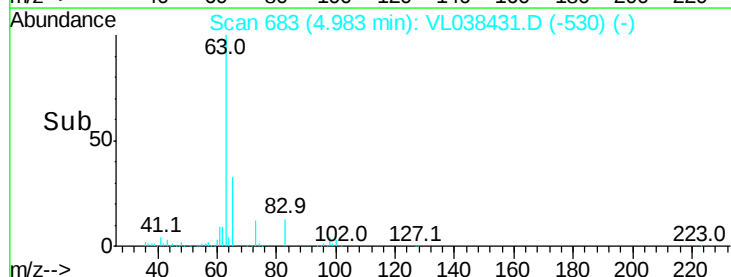
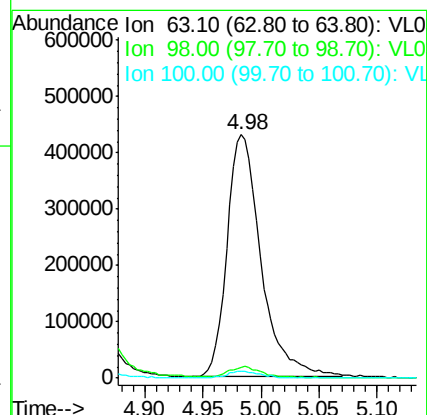
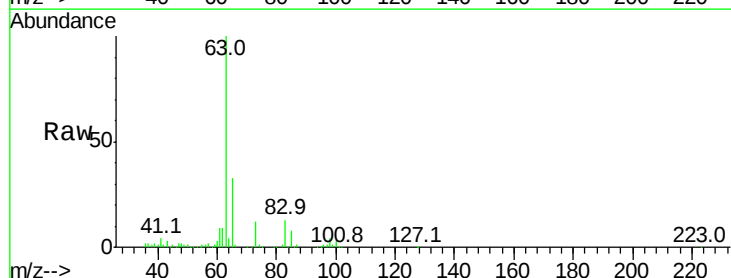
#23
 Vinyl Acetate
 Concen: 10.68 ppbv
 RT: 5.04
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

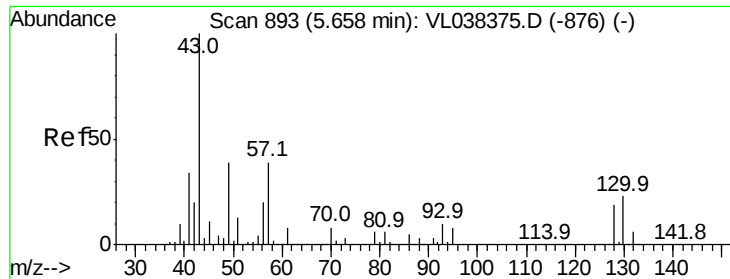
Tgt Ion:	43	Resp:	987560
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.6
42	9.1	7.4	11.0
44	5.7	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 10.53 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T.: -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

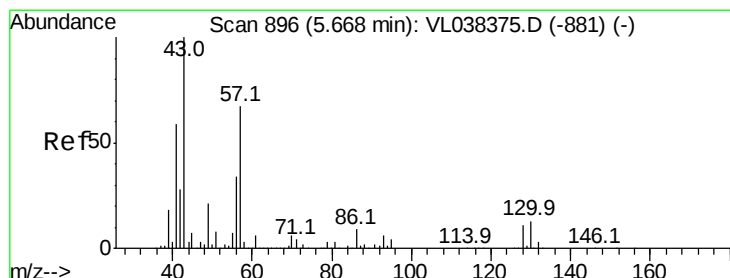
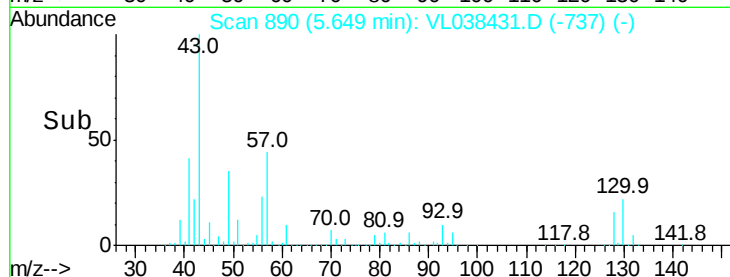
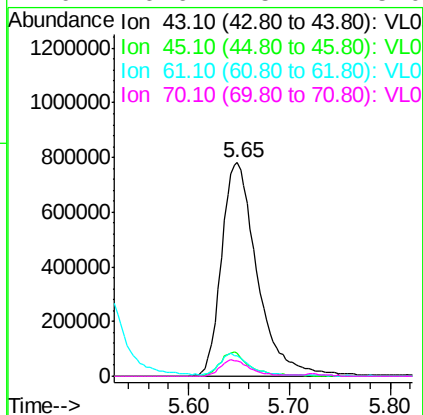
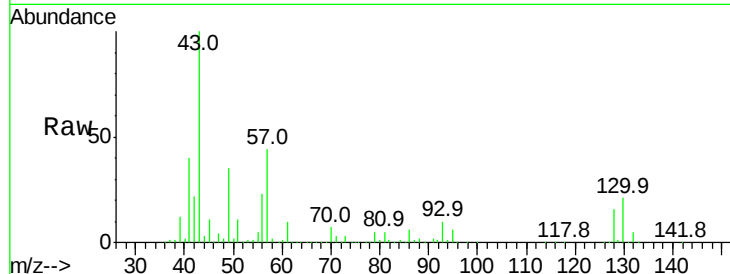
Tgt Ion:	63	Resp:	875009
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.8	1.4	4.2





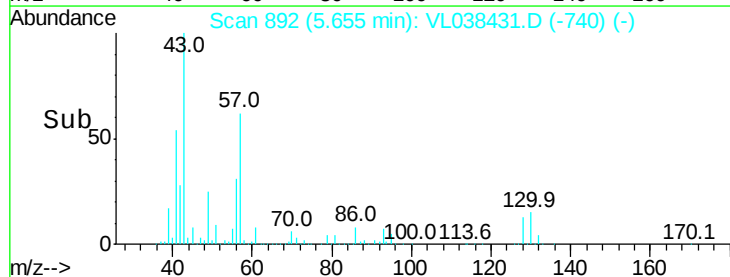
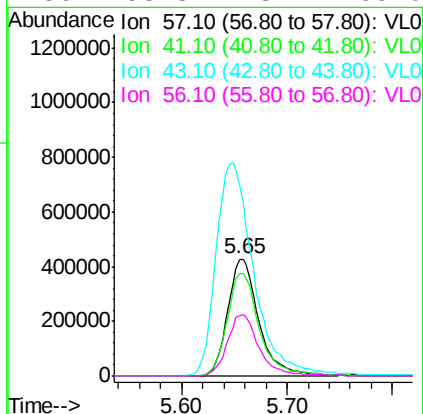
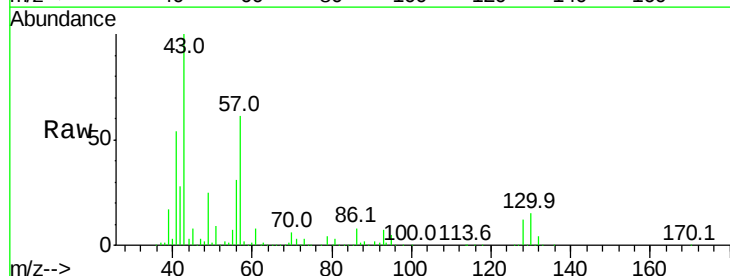
#25
Ethyl Acetate
Concen: 10.22 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 24 Feb 2022 11:09

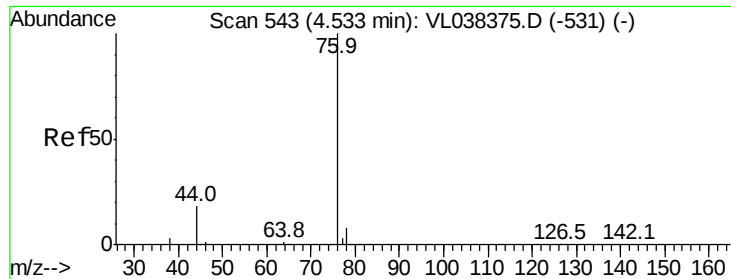
Tgt Ion:	43	Resp:	1915905
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.5	7.5	11.3
70	6.6	5.4	8.0



#26
Hexane
Concen: 10.34 ppbv
RT: 5.65 min Scan# 892
Delta R.T.: -0.01 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

Tgt Ion:	57	Resp:	877277
Ion	Ratio	Lower	Upper
57	100		
41	92.0	73.1	109.7
43	221.6	181.0	271.4
56	53.8	43.4	65.0





#27

Carbon Disulfide

Concen: 11.15 ppbv

RT: 4.52 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09 VSTDCCC010

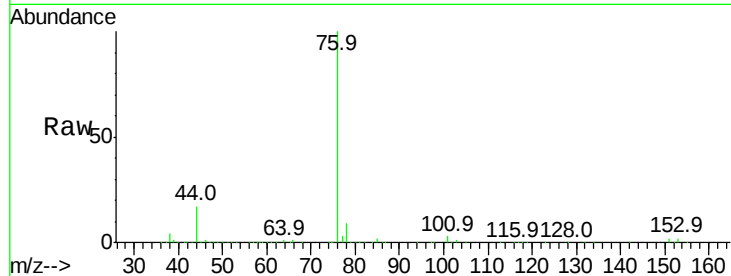
Tgt Ion: 76 Resp: 1052538

Ion Ratio Lower Upper

76 100

44 18.1 14.2 21.2

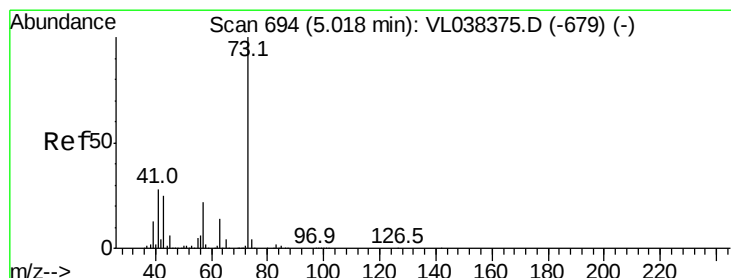
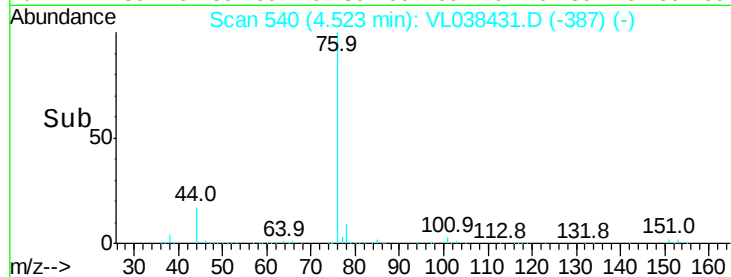
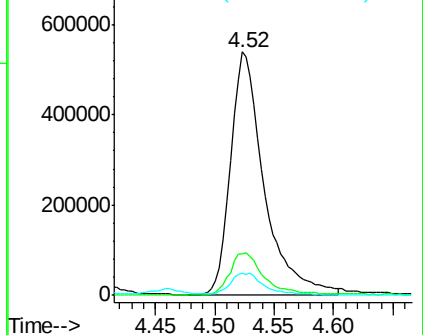
78 9.4 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 10.75 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL038431.D

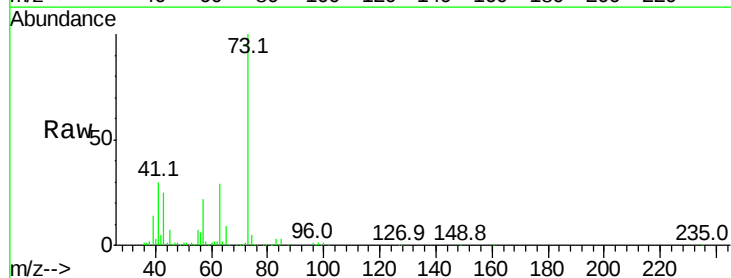
Acq: 24 Feb 2022 11:09

Tgt Ion: 73 Resp: 928879

Ion Ratio Lower Upper

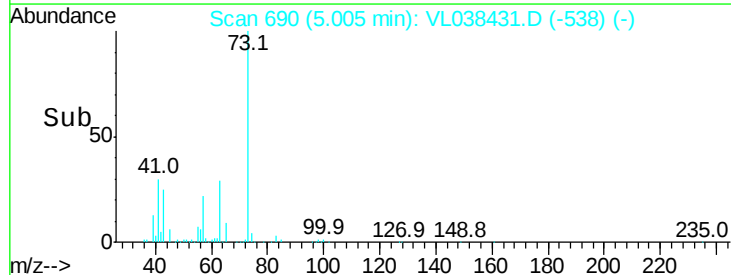
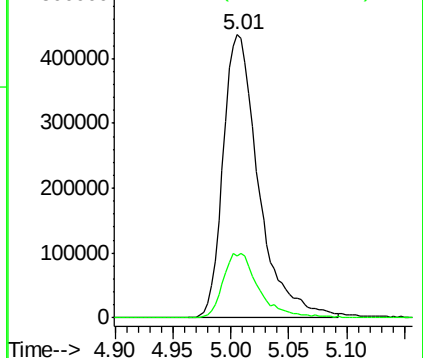
73 100

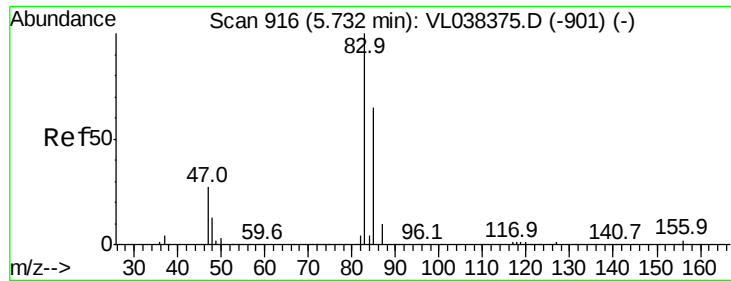
57 23.2 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

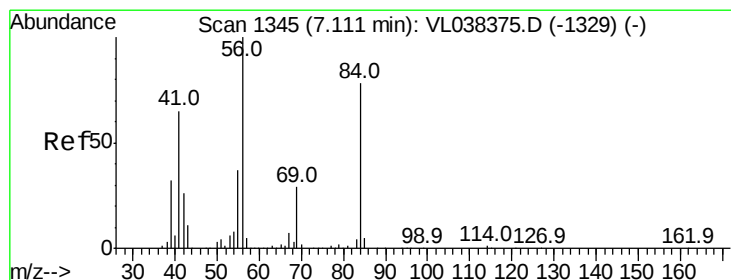
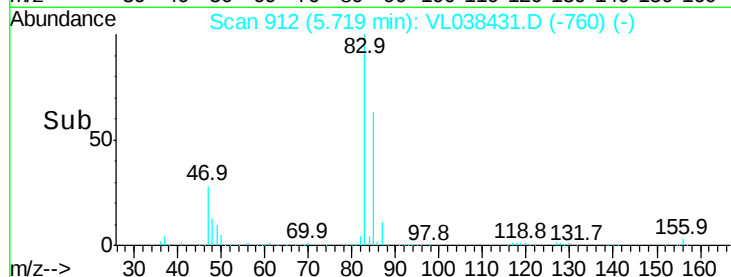
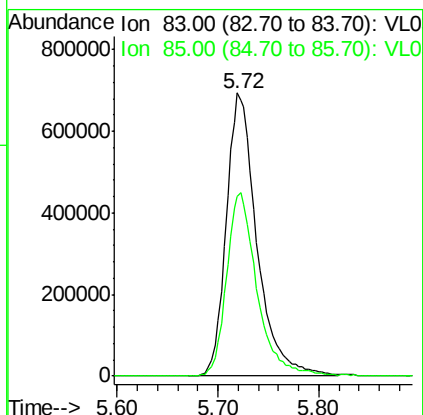
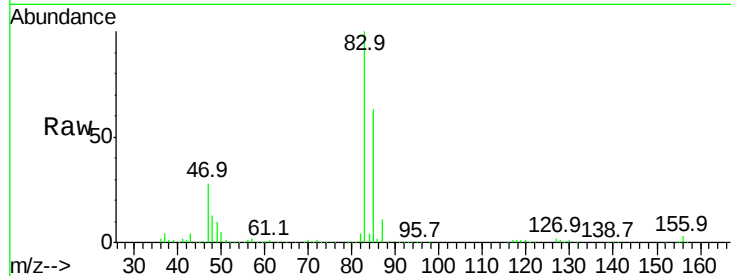
Ion 57.10 (56.80 to 57.80): VL0





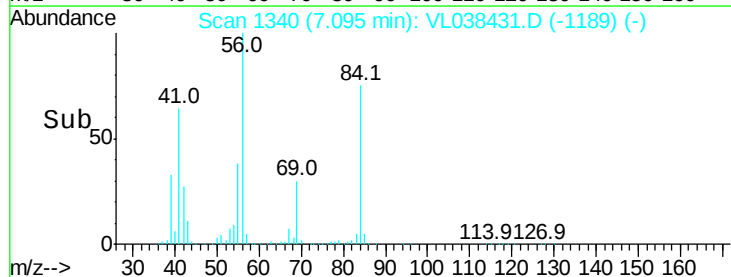
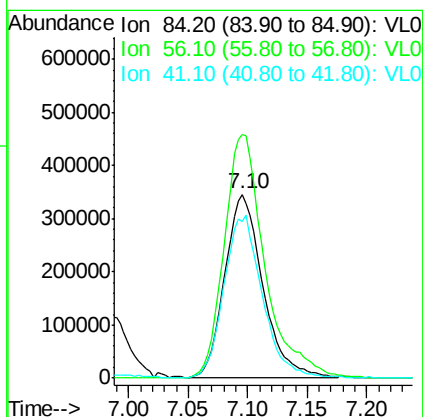
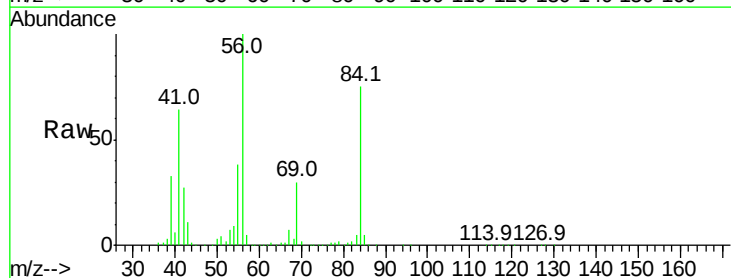
#29
Chloroform
Concen: 10.61 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Feb 2022 11:09

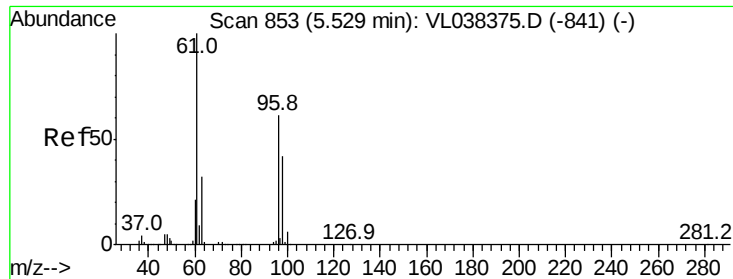
Tgt Ion: 83 Resp: 1469341
Ion Ratio Lower Upper
83 100
85 63.2 51.6 77.4



#30
Cyclohexane
Concen: 11.10 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.02 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

Tgt Ion: 84 Resp: 770712
Ion Ratio Lower Upper
84 100
56 141.8 116.2 174.4
41 88.5 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 7.99 ppbv

RT: 5.52

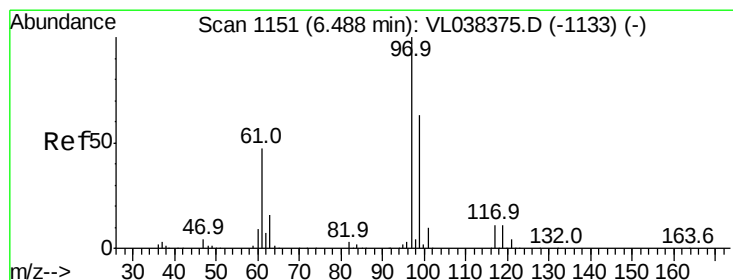
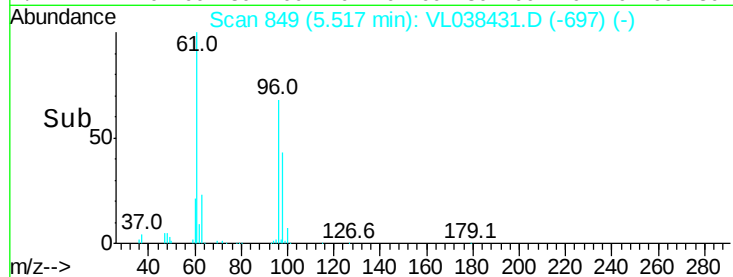
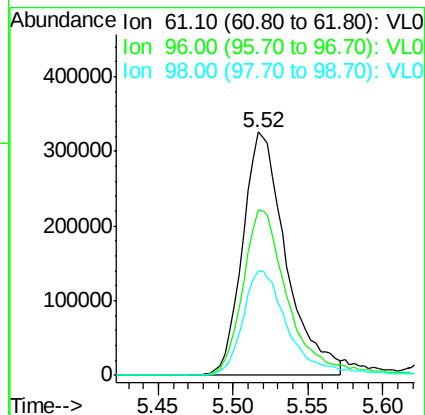
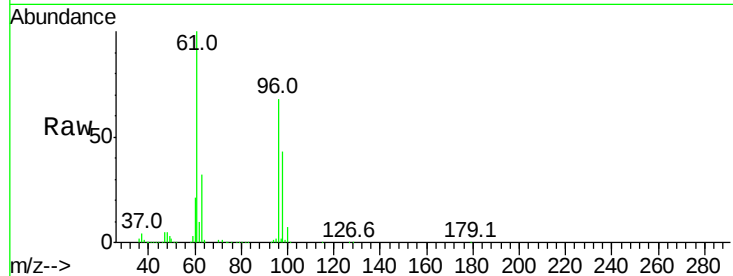
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDCCC010

Acq: 24 Feb 2022 11:09

Tgt Ion: 61 Resp: 656930

Ion	Ratio	Lower	Upper
61	100		
96	67.8	48.6	73.0
98	42.9	33.2	49.8



#32

1,1,1-Trichloroethane

Concen: 10.64 ppbv

RT: 6.48 min Scan# 1148

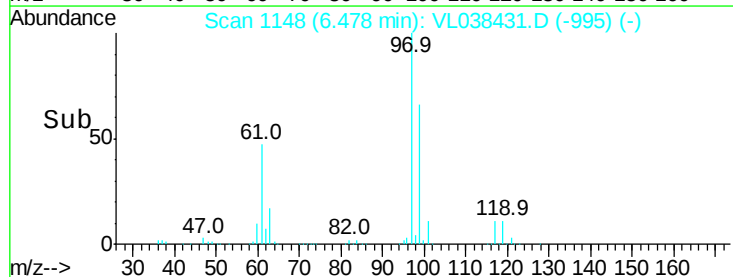
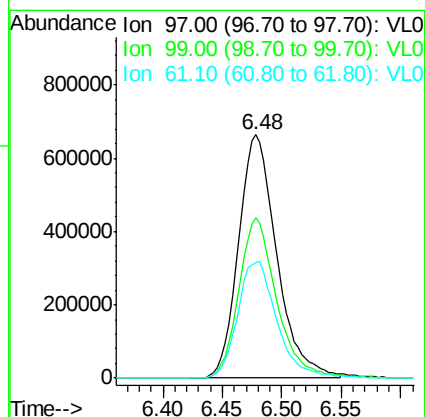
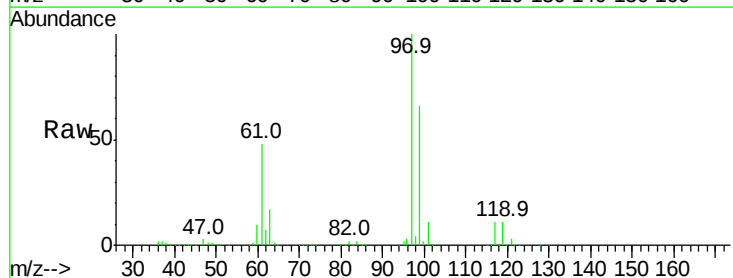
Delta R.T. -0.01 min

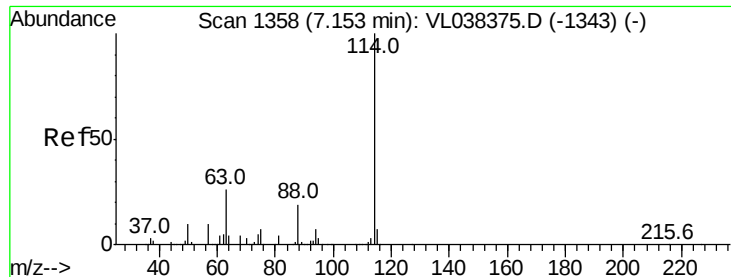
Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

Tgt Ion: 97 Resp: 1481925

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.9	77.9
61	49.7	40.5	60.7

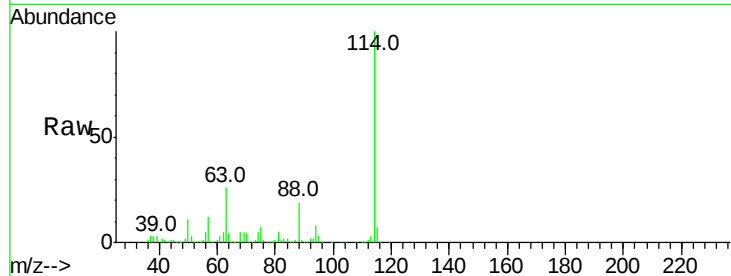




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.14
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

Tgt Ion: 114 Resp: 2143743

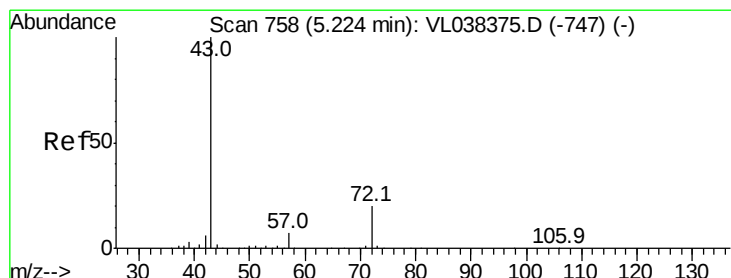
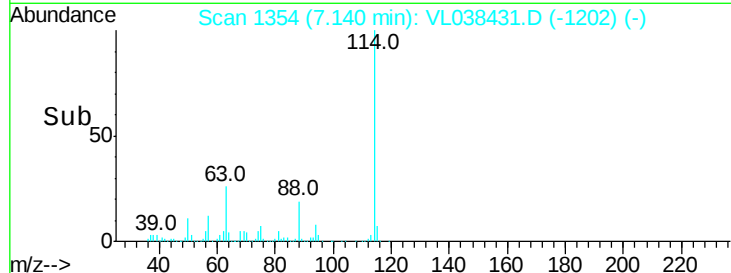
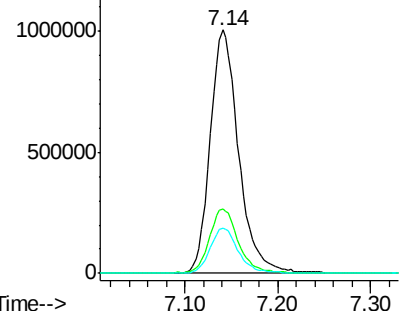
Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.2
88	18.7	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

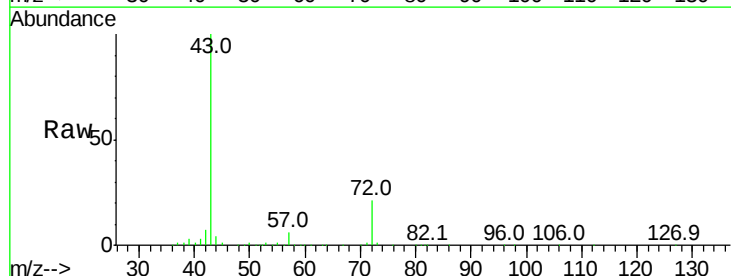
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 9.82 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

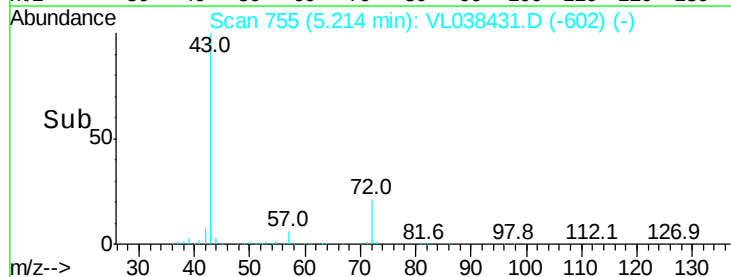
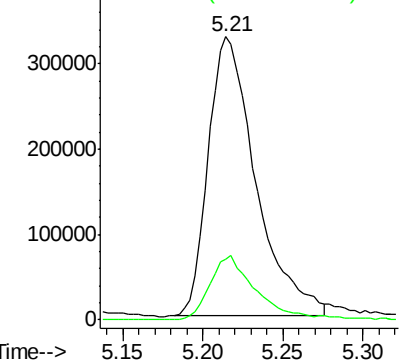
Tgt Ion: 43 Resp: 661972

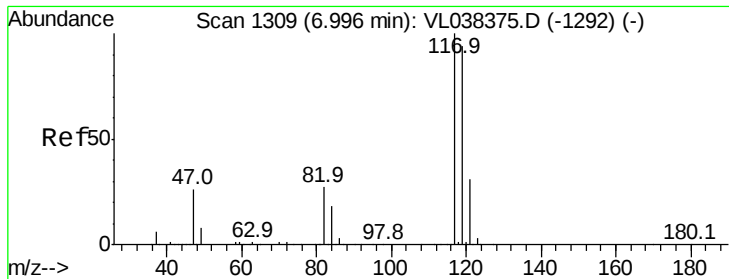
Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

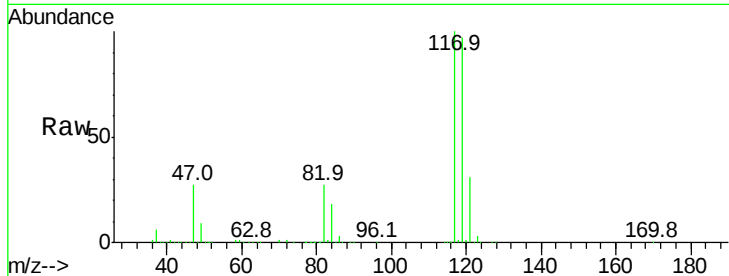
Ion 72.10 (71.80 to 72.80): VL0



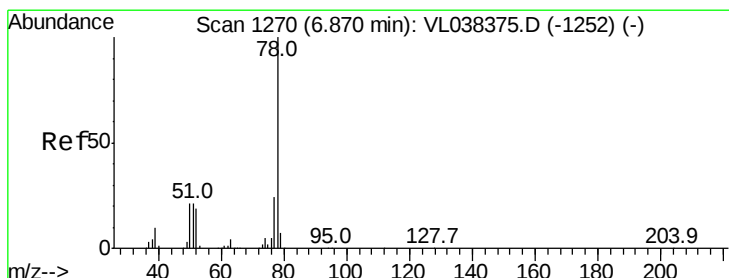
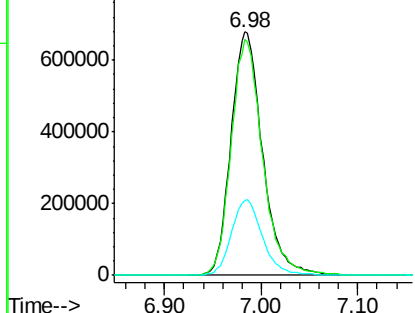
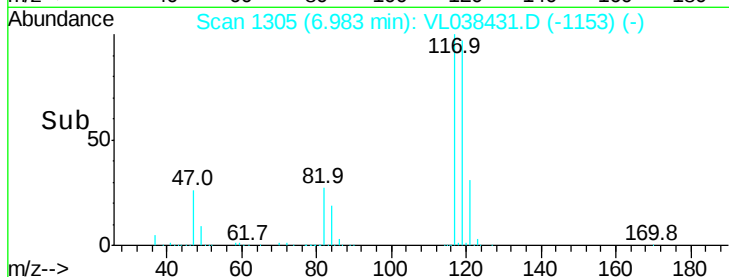


#35
Carbon Tetrachloride
Concen: 10.19 ppbv
RT: 6.98
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 24 Feb 2022 11:09

Tgt Ion: 117 Resp: 1536019
Ion Ratio Lower Upper
117 100
119 97.1 74.9 112.3
121 30.7 24.8 37.2

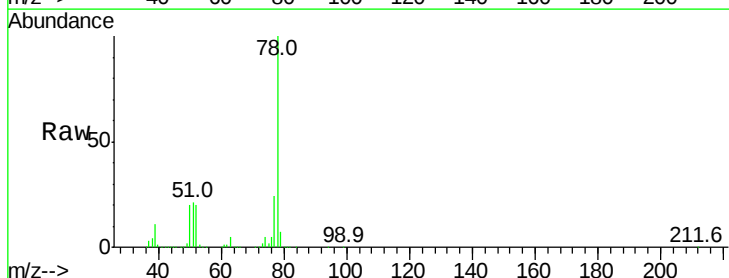


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

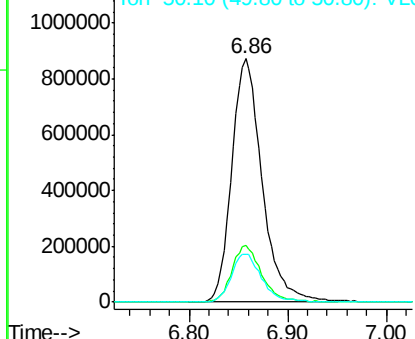
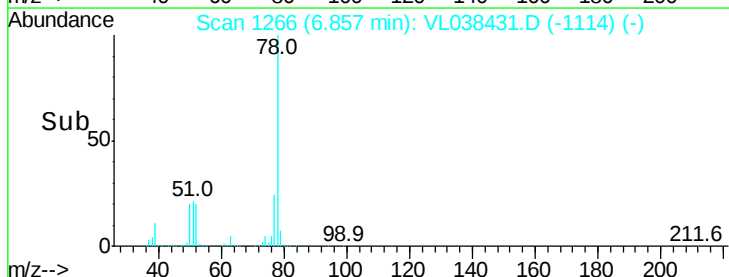


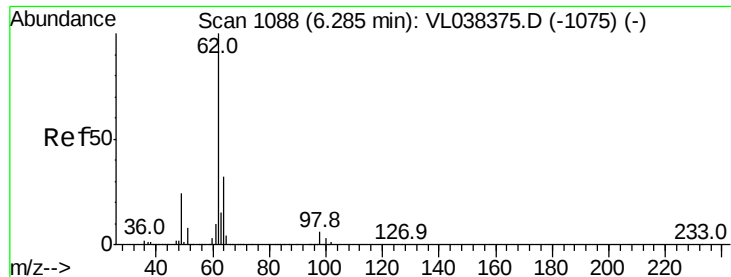
#36
Benzene
Concen: 9.92 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

Tgt Ion: 78 Resp: 1873036
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6
50 19.5 16.6 24.8



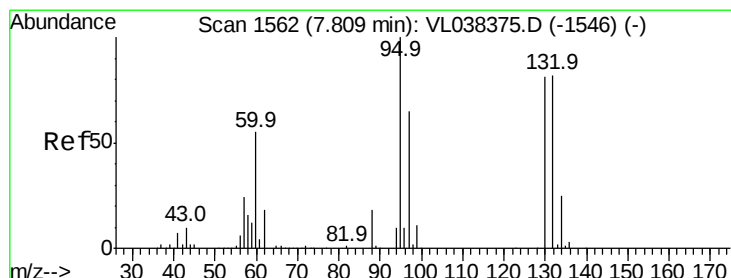
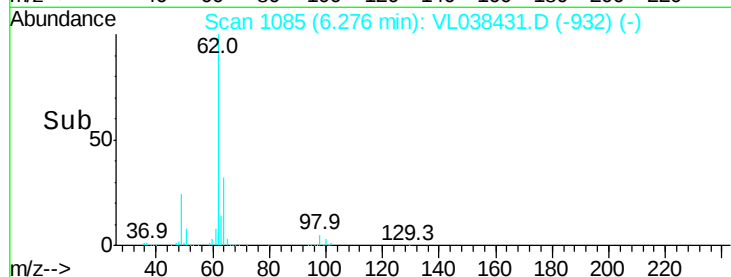
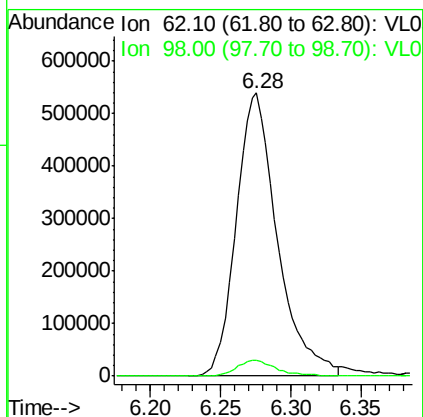
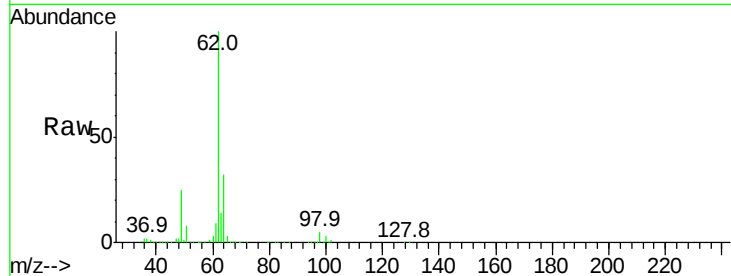
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





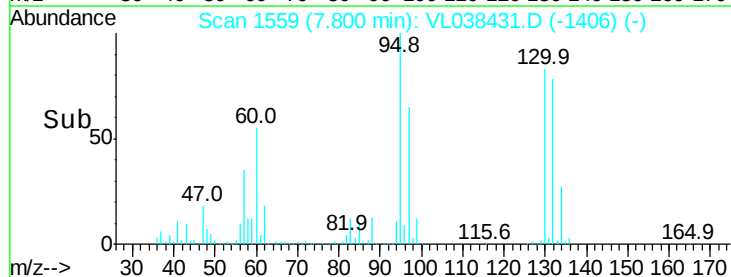
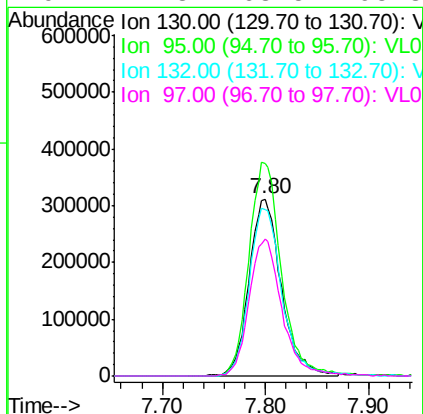
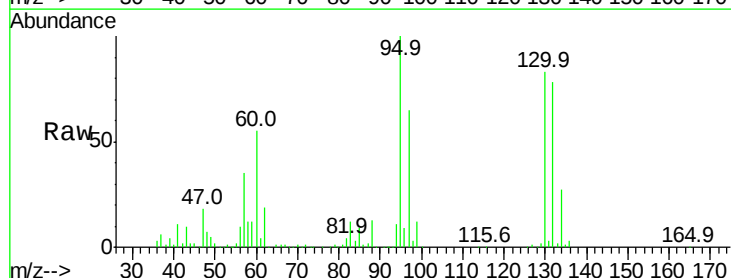
#37
 1,2-Dichloroethane
 Concen: 10.10 ppbv
 RT: 6.28
 Delta R.T.:
 Lab File: MSVOA_1
 ClientSampleId:
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

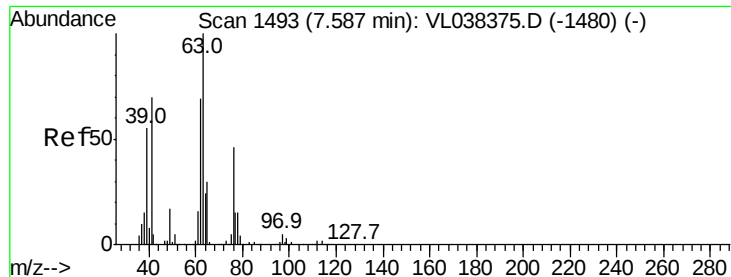
Tgt Ion: 62 Resp: 1101319
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.6 7.0



#38
 Trichloroethene
 Concen: 9.83 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T.: -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

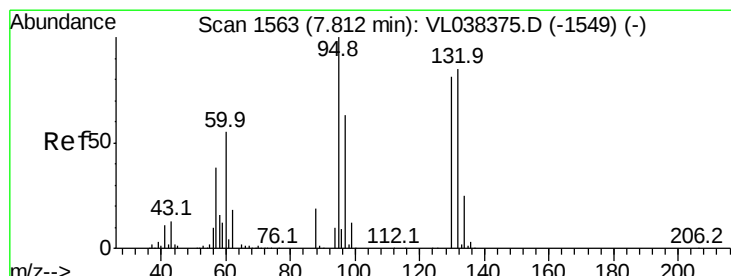
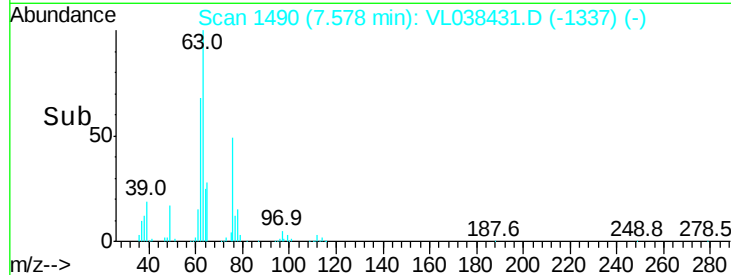
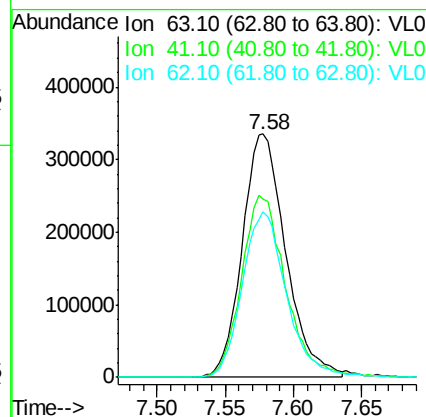
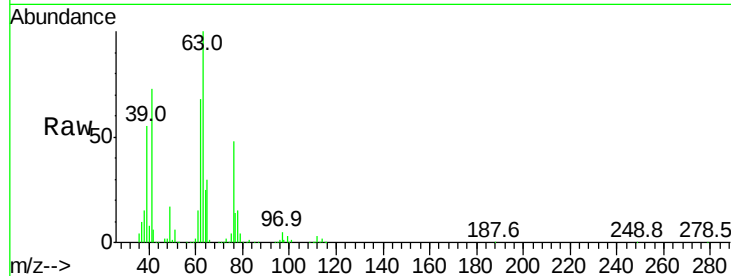
Tgt Ion: 130 Resp: 675411
 Ion Ratio Lower Upper
 130 100
 95 120.3 98.1 147.1
 132 94.0 80.3 120.5
 97 77.8 63.5 95.3





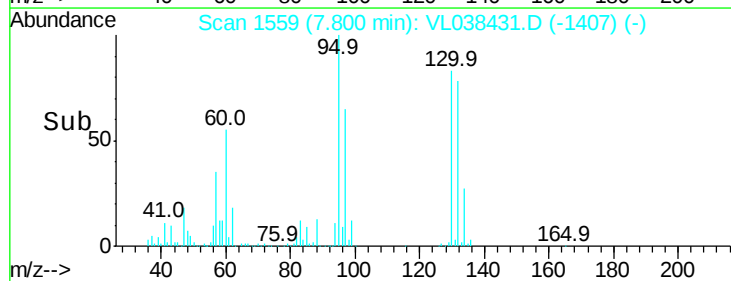
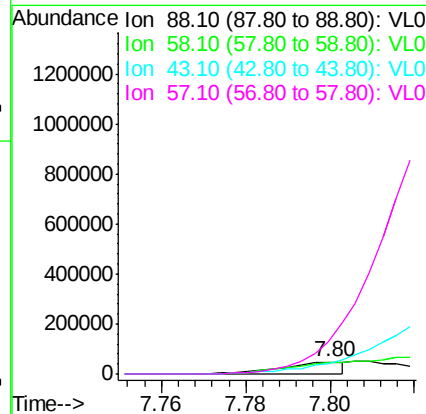
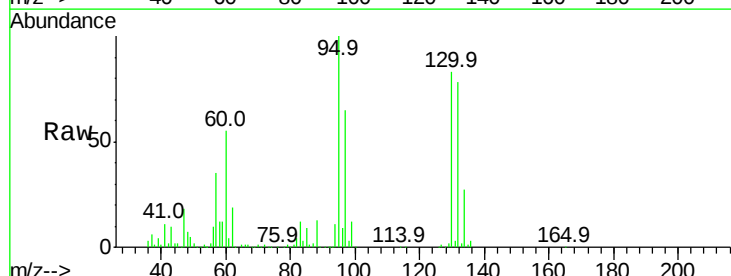
#39
 1,2-Dichloropropane
 Concen: 9.86 ppbv
 RT: 7.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

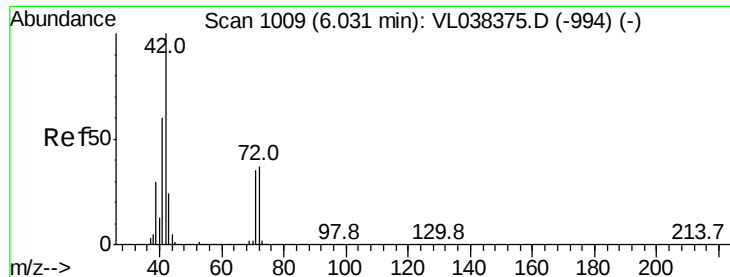
Tgt Ion: 63 Resp: 741525
 Ion Ratio Lower Upper
 63 100
 41 73.3 56.1 84.1
 62 68.0 55.5 83.3



#40
 1,4-Dioxane
 Concen: 2.72 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

Tgt Ion: 88 Resp: 48516
 Ion Ratio Lower Upper
 88 100
 58 0.0 133.2 199.8#
 43 0.0 330.6 496.0#
 57 0.0 1462.7 2194.1#





#41

Tetrahydrofuran

Concen: 10.27 ppbv

RT: 6.02 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09 VSTDCCC010

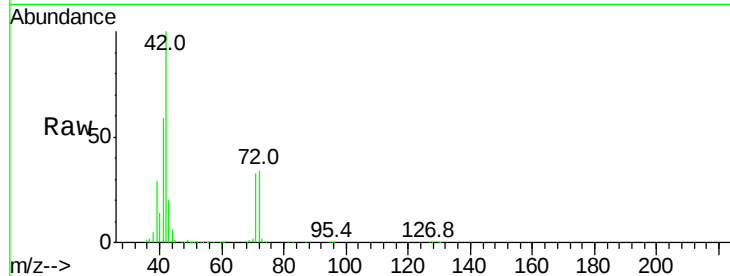
Tgt Ion: 42 Resp: 467948

Ion Ratio Lower Upper

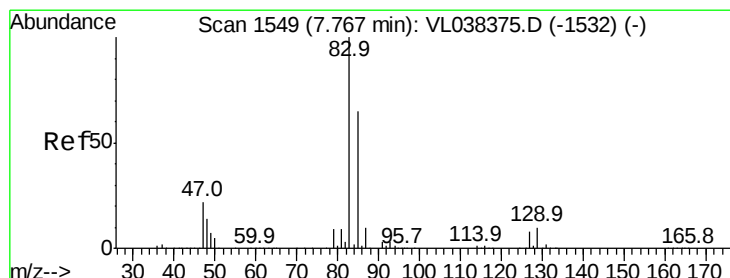
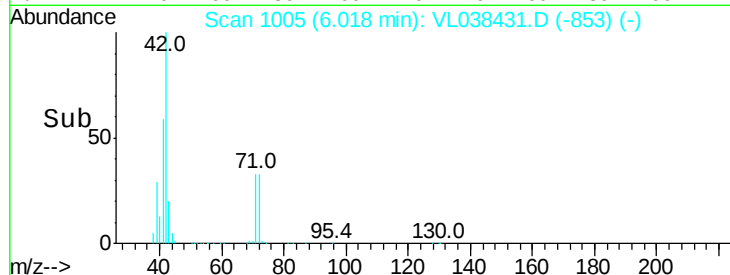
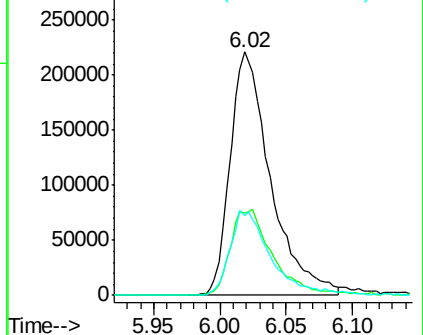
42 100

72 37.8 29.9 44.9

71 35.9 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: 10.07 ppbv

RT: 7.75 min Scan# 1545

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

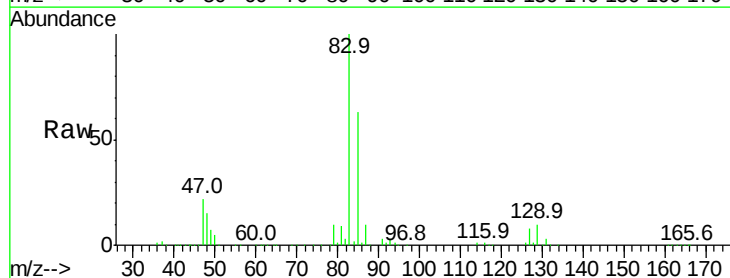
Tgt Ion: 83 Resp: 1585681

Ion Ratio Lower Upper

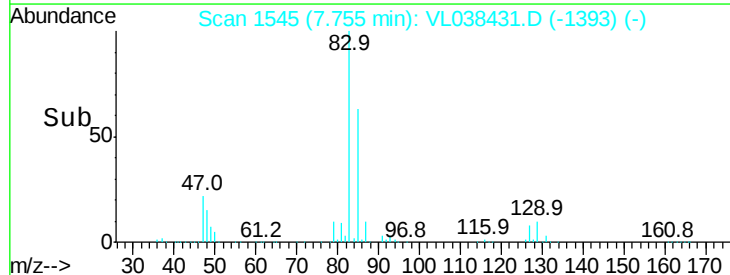
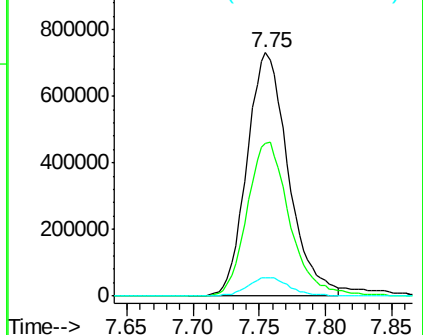
83 100

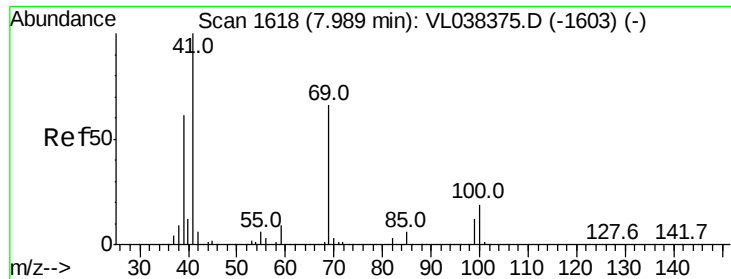
85 62.8 52.2 78.4

127 7.6 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: 10.68 ppbv

RT: 7.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09 VSTDCCC010

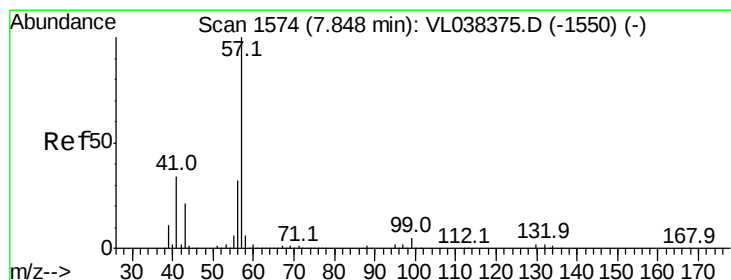
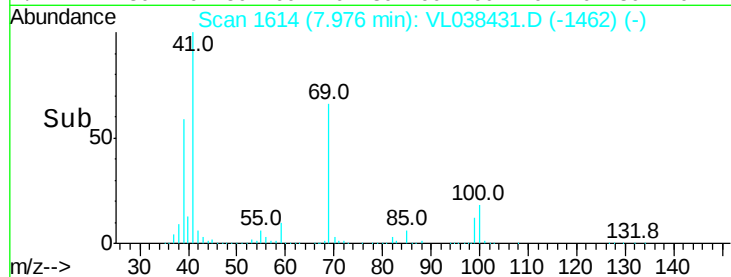
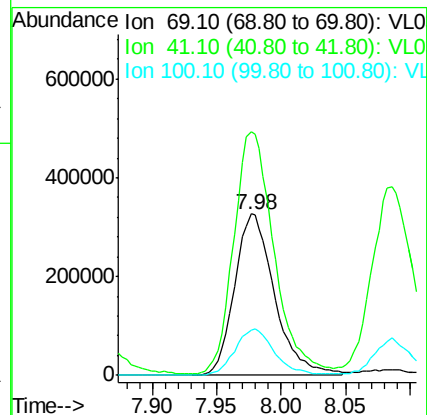
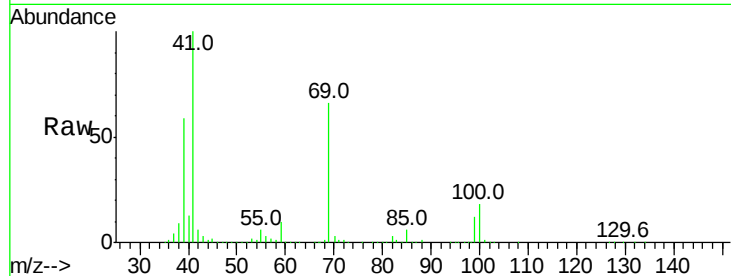
Tgt Ion: 69 Resp: 700461

Ion Ratio Lower Upper

69 100

41 152.8 122.9 184.3

100 29.0 23.6 35.4



#44

2,2,4-Trimethylpentane

Concen: 9.91 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

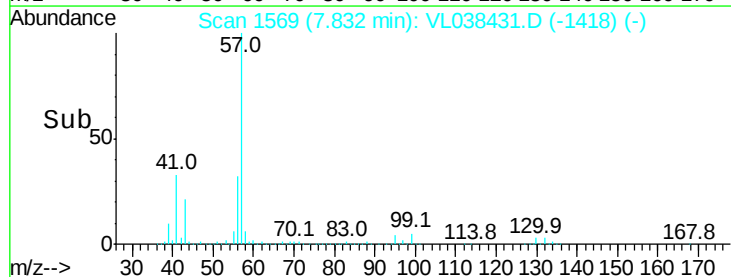
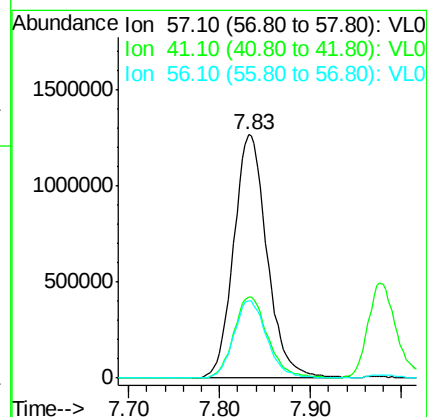
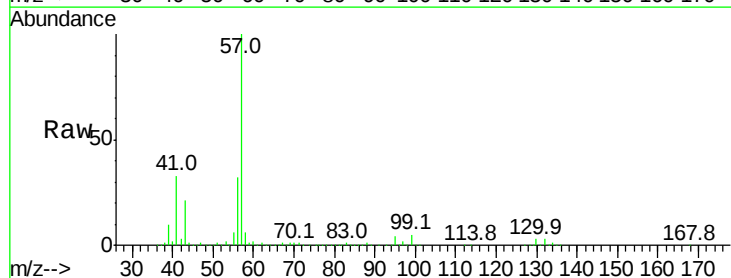
Tgt Ion: 57 Resp: 3215570

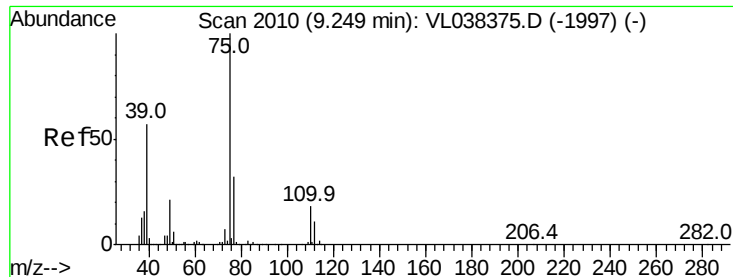
Ion Ratio Lower Upper

57 100

41 34.1 26.6 39.8

56 31.7 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.72 ppbv

RT: 9.24 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

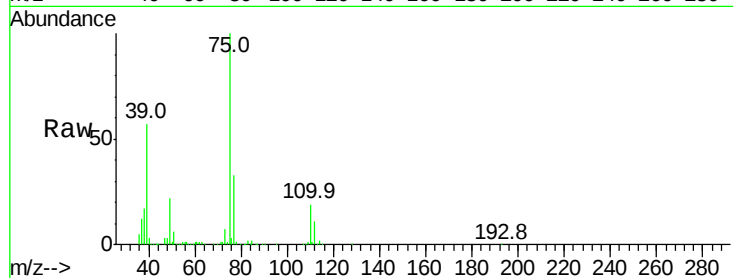
Acq: 24 Feb 2022 11:09

Tgt Ion: 75 Resp: 562306

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.24

250000

200000

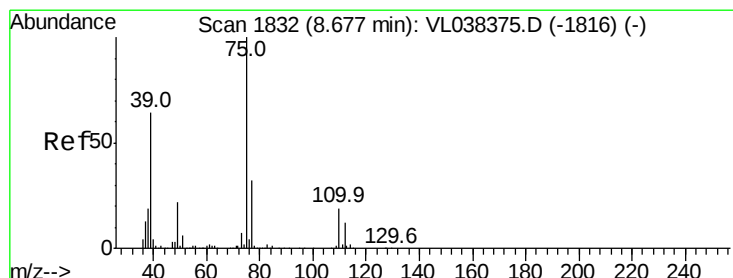
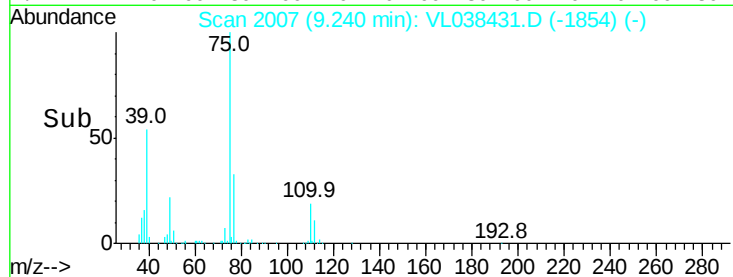
150000

100000

50000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.38 ppbv

RT: 8.67 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

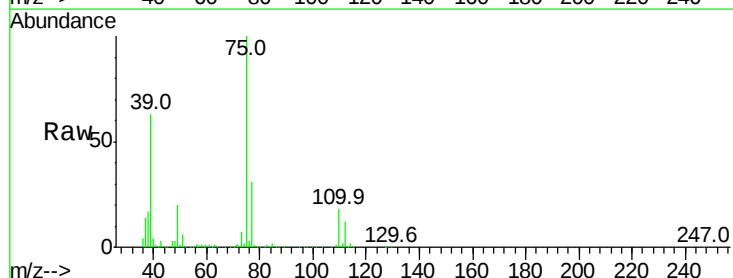
Tgt Ion: 75 Resp: 713186

Ion Ratio Lower Upper

75 100

39 62.9 51.4 77.2

77 30.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.67

400000

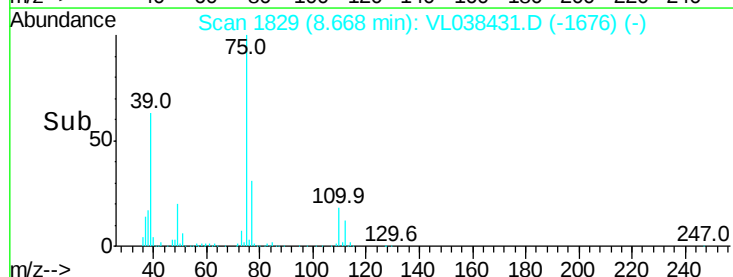
300000

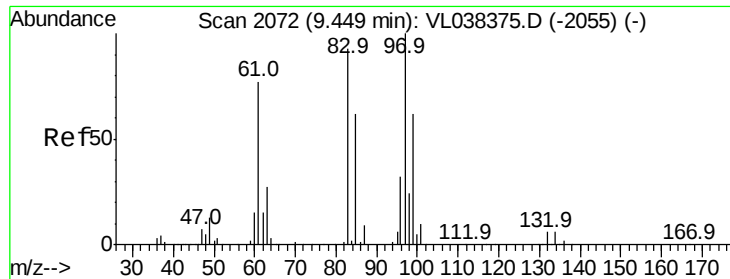
200000

100000

0

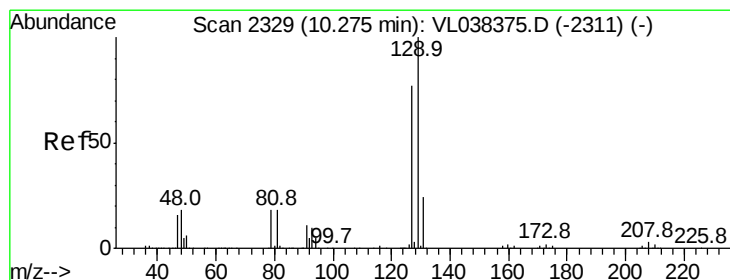
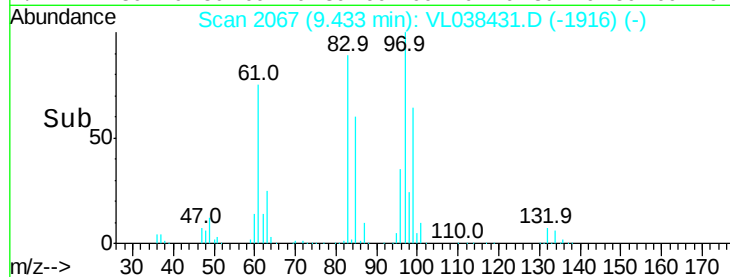
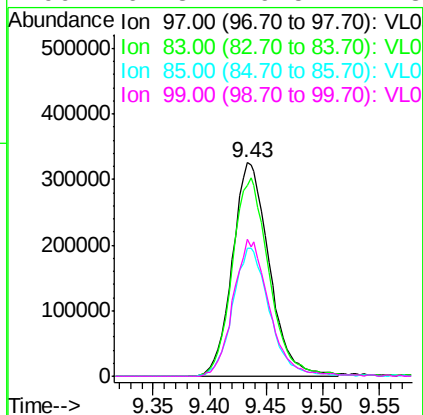
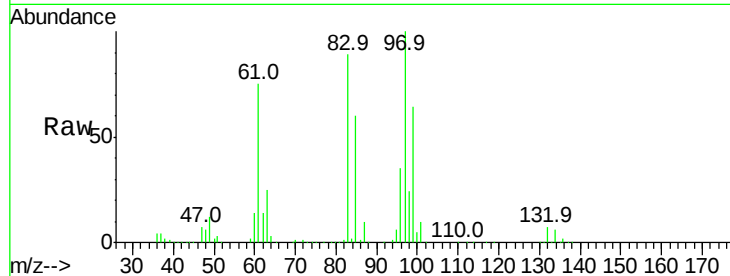
Time-->





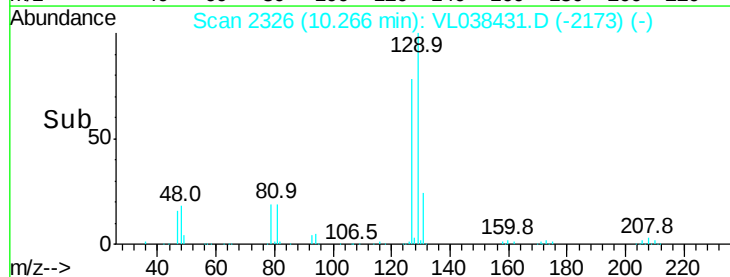
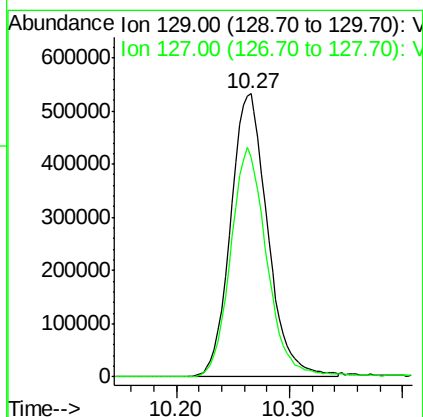
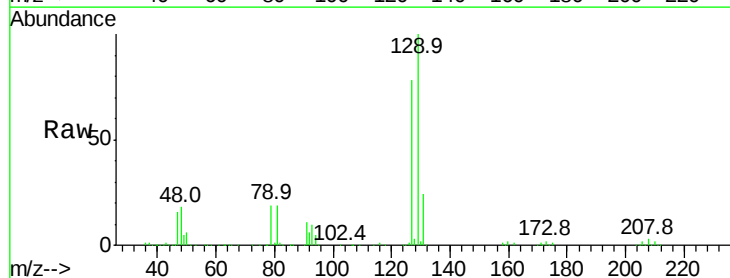
#47
 1,1,2-Trichloroethane
 Concen: 9.85 ppbv
 RT: 9.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

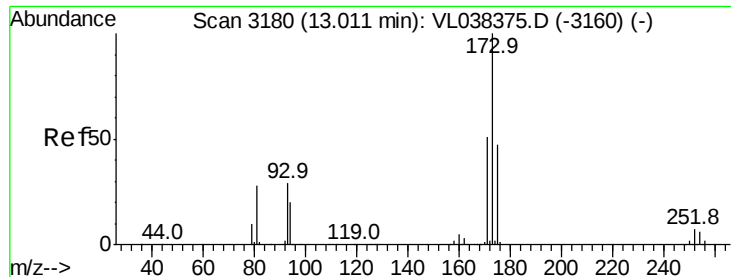
Tgt Ion:	97	Resp:	736425
Ion	Ratio	Lower	Upper
97	100		
83	89.3	74.2	111.4
85	59.9	49.8	74.8
99	64.3	49.5	74.3



#48
 Dibromochloromethane
 Concen: 9.93 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

Tgt Ion:	129	Resp:	1214551
Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.4	118.1





#49

Bromoform

Concen: 8.89 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Feb 2022 11:09

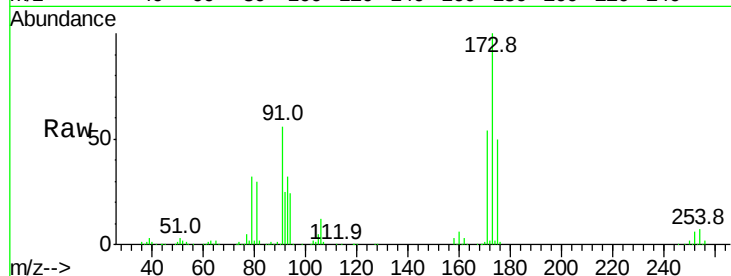
Tgt Ion: 173 Resp: 802603

Ion Ratio Lower Upper

173 100

175 52.2 40.2 60.2

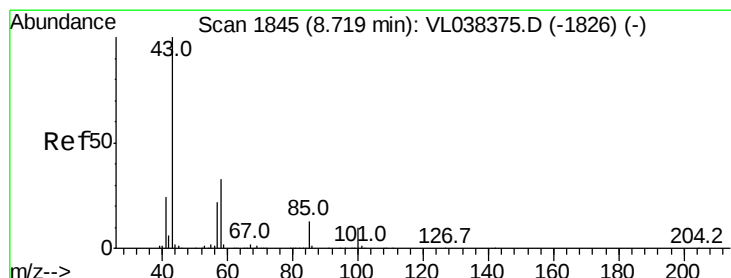
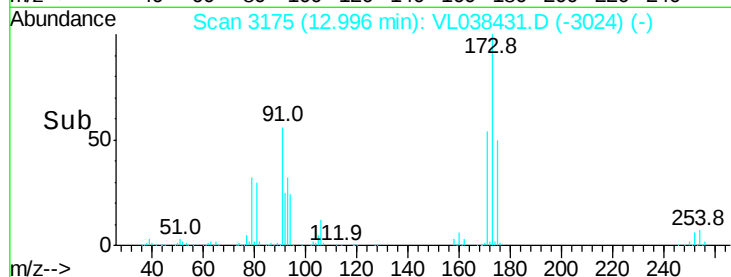
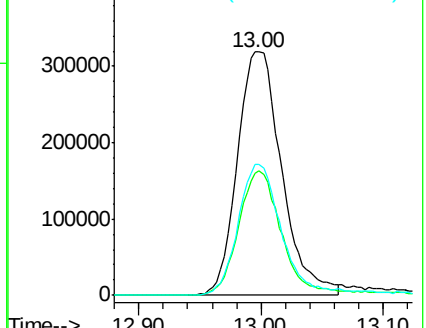
171 55.6 42.7 64.1



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: 10.71 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VL038431.D

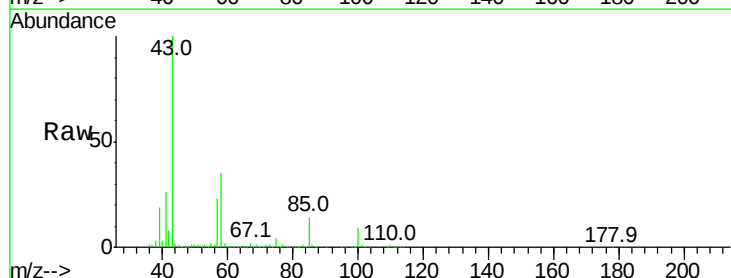
Acq: 24 Feb 2022 11:09

Tgt Ion: 43 Resp: 1276537

Ion Ratio Lower Upper

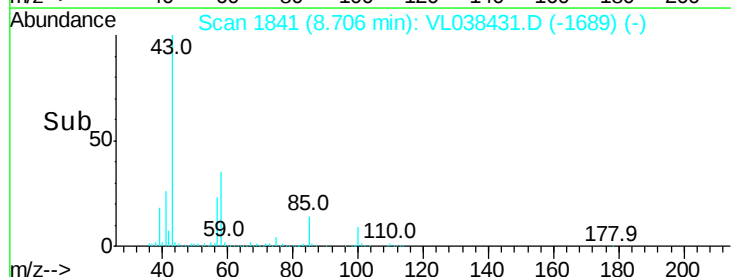
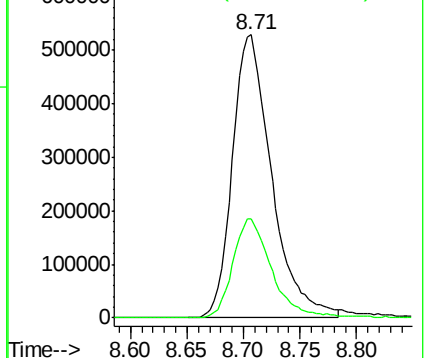
43 100

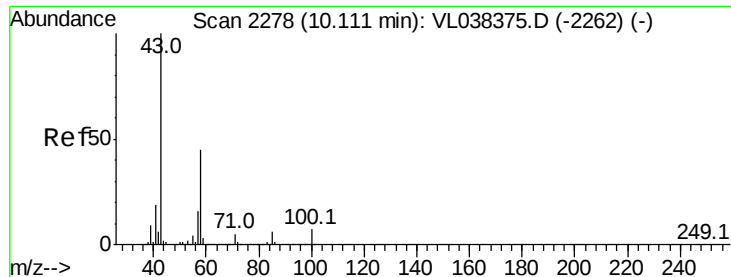
58 35.2 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.20 ppbv

RT: 10.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09

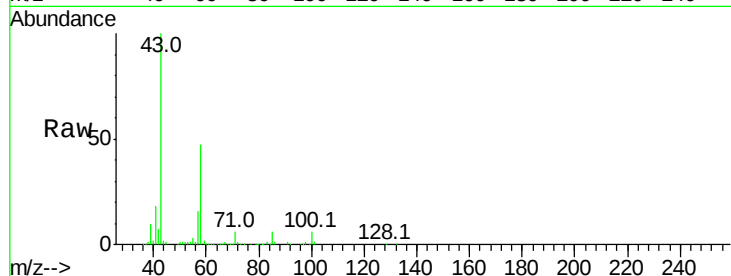
Tgt Ion: 43 Resp: 544501

Ion Ratio Lower Upper

43 100

58 46.9 37.4 56.0

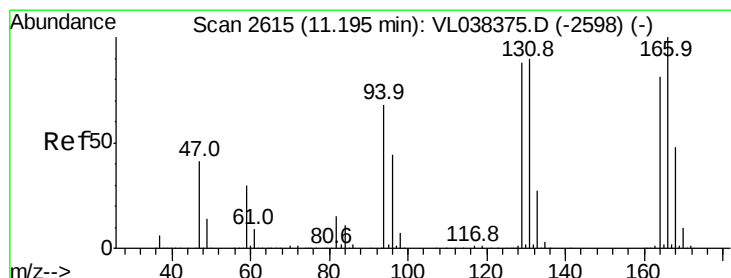
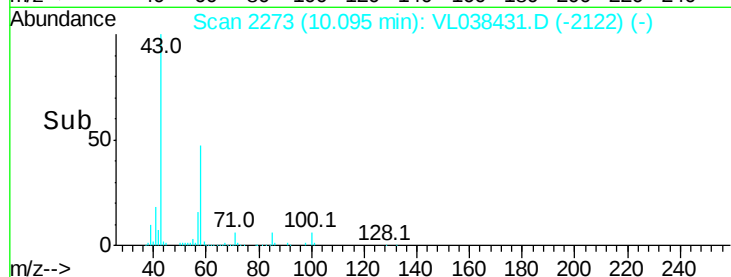
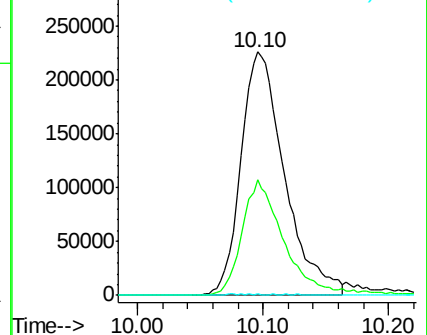
98 0.5 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.12 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

Tgt Ion: 164 Resp: 571588

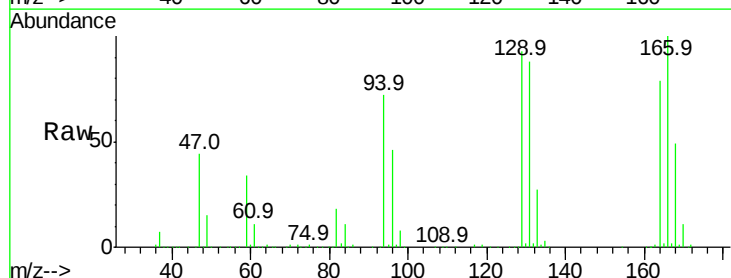
Ion Ratio Lower Upper

164 100

166 126.6 98.6 148.0

129 116.8 86.9 130.3

131 111.4 88.6 133.0

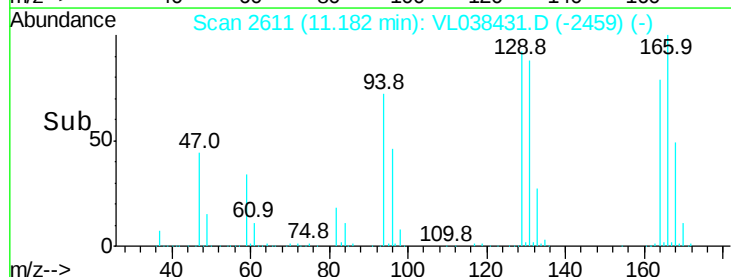
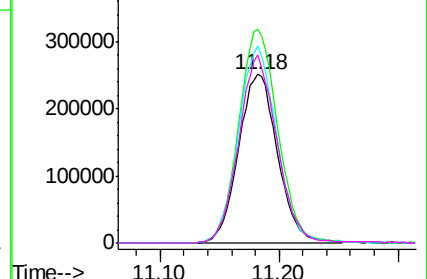


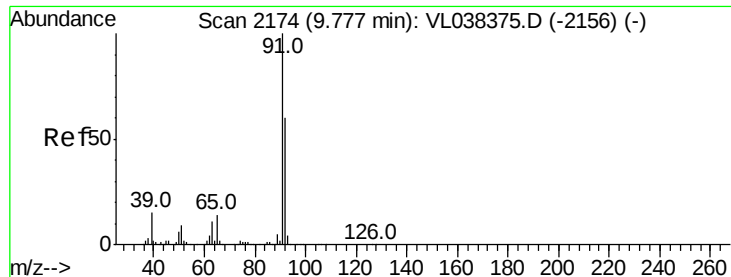
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.08 ppbv

RT: 9.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

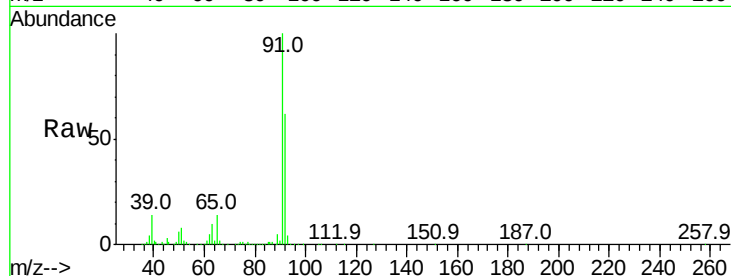
Acq: 24 Feb 2022 11:09

Tgt Ion: 91 Resp: 2066175

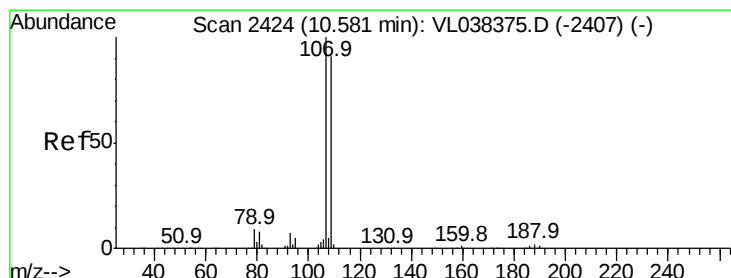
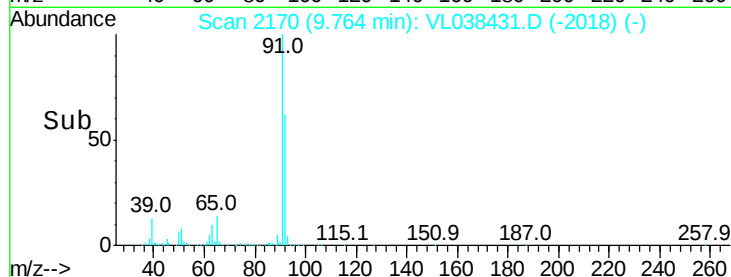
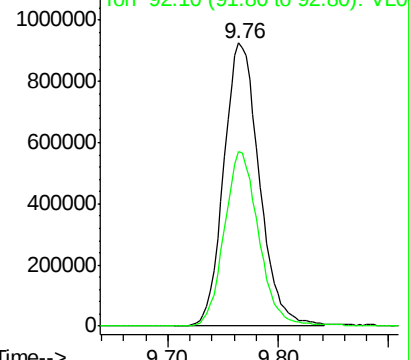
Ion Ratio Lower Upper

91 100

92 59.8 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.93 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL038431.D

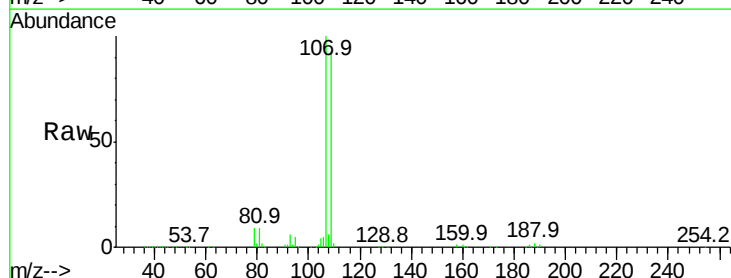
Acq: 24 Feb 2022 11:09

Tgt Ion: 107 Resp: 1045208

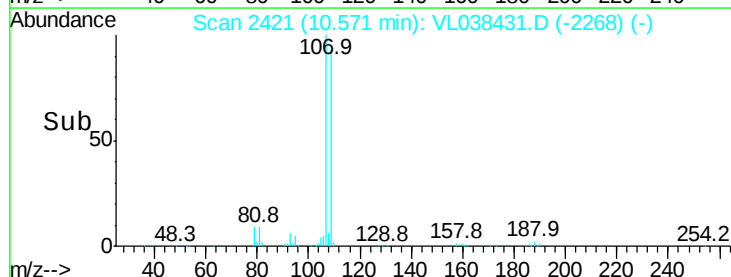
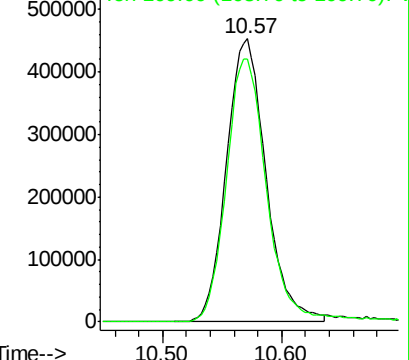
Ion Ratio Lower Upper

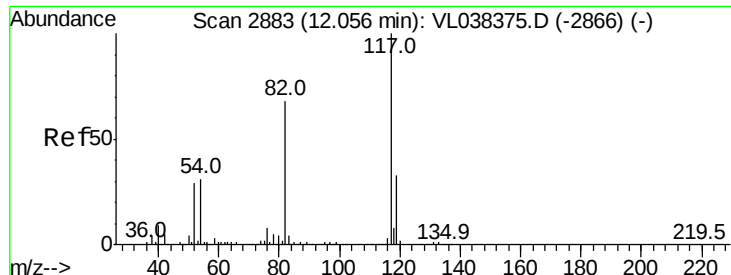
107 100

109 92.8 73.0 109.6



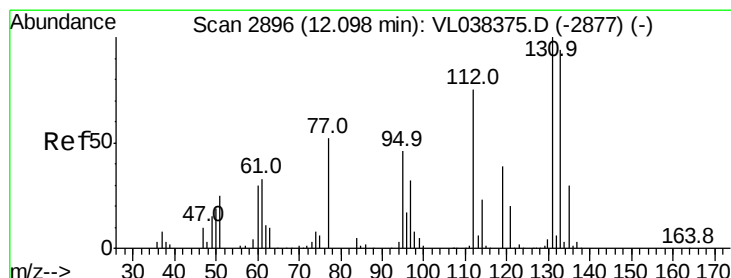
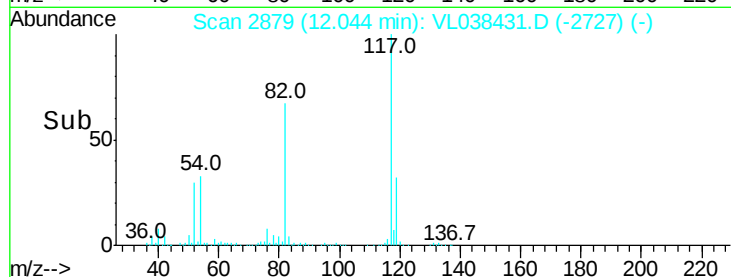
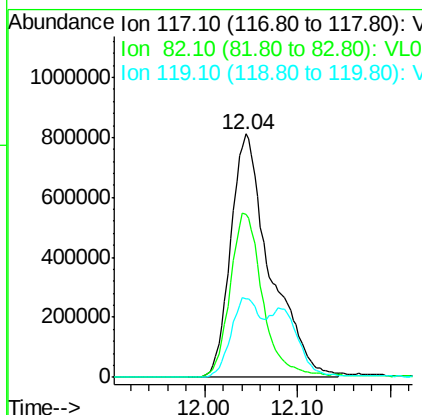
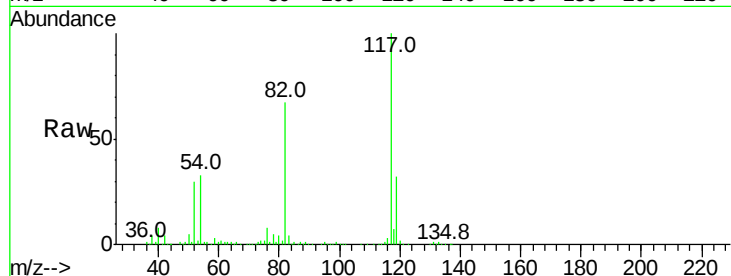
Abundance Ion 107.00 (106.70 to 107.70): V





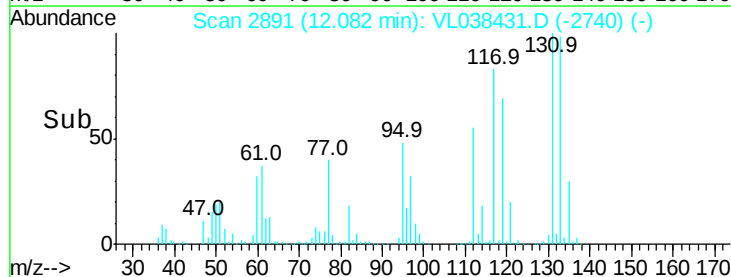
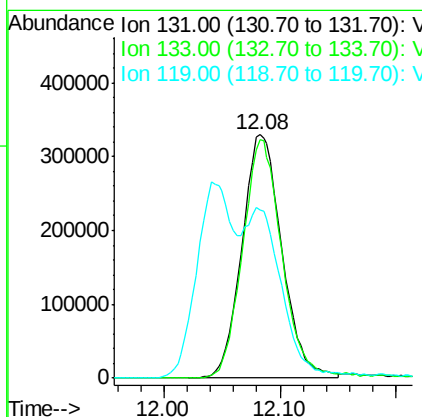
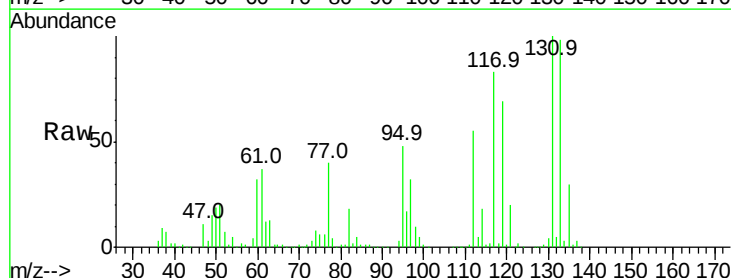
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.04 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

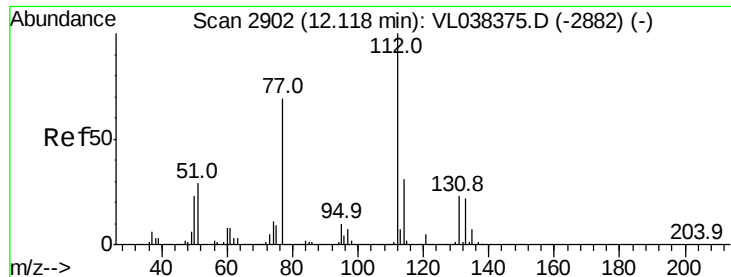
Tgt Ion:117 Resp: 2403795
 Ion Ratio Lower Upper
 117 100
 82 56.9 54.9 82.3
 119 25.5 46.1 69.1#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.89 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T. -0.02 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

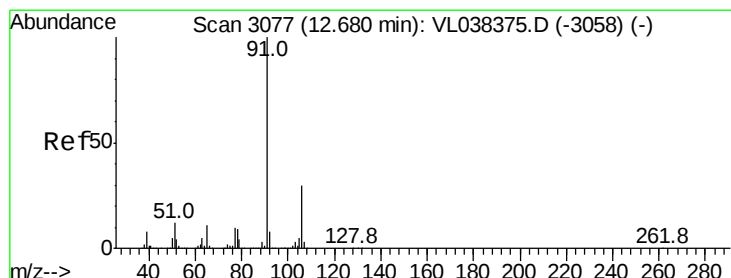
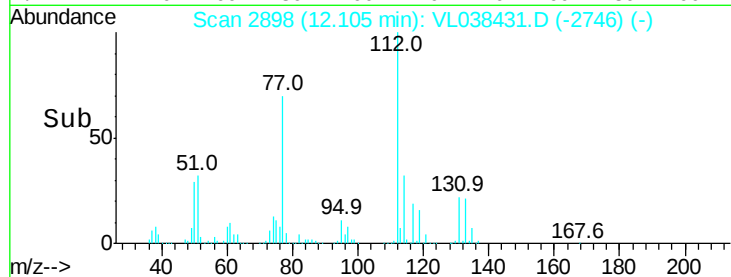
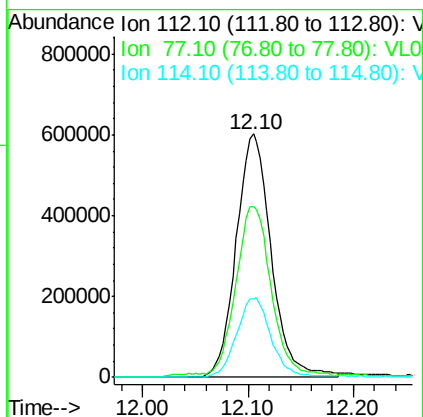
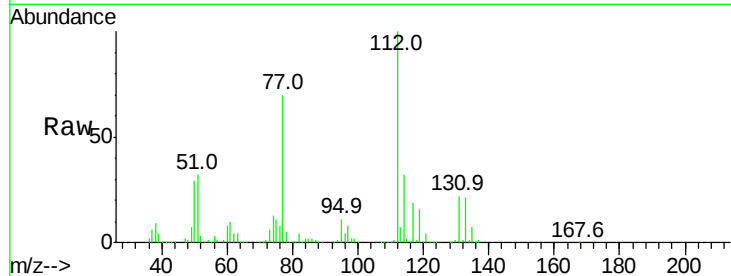
Tgt Ion:131 Resp: 790321
 Ion Ratio Lower Upper
 131 100
 133 98.4 77.3 115.9
 119 62.2 48.6 73.0





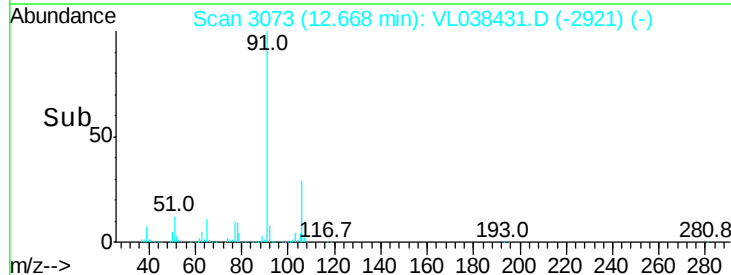
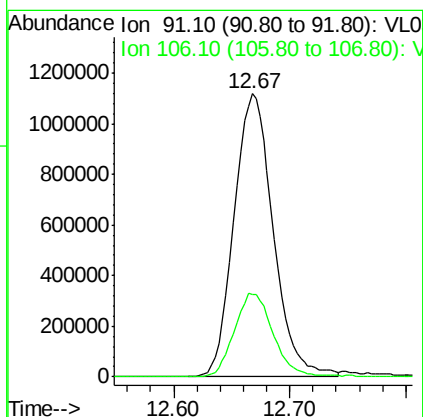
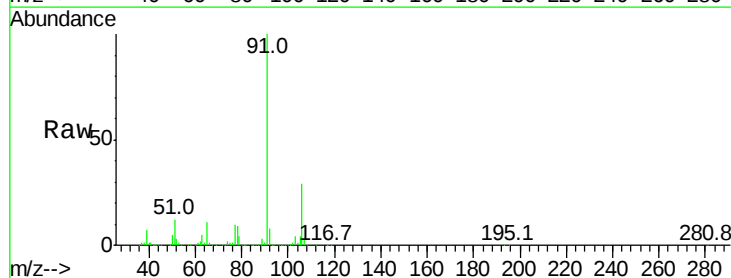
#57
Chlorobenzene
Concen: 7.50 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010
Acq: 24 Feb 2022 11:09

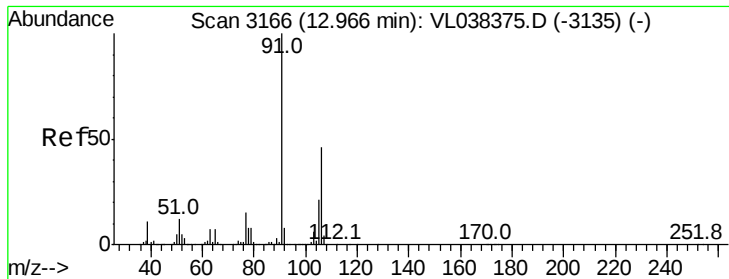
Tgt Ion: 112 Resp: 1391121
Ion Ratio Lower Upper
112 100
77 68.9 55.2 82.8
114 32.1 27.9 34.1



#58
Ethyl Benzene
Concen: 7.98 ppbv
RT: 12.67 min Scan# 3073
Delta R.T. -0.01 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

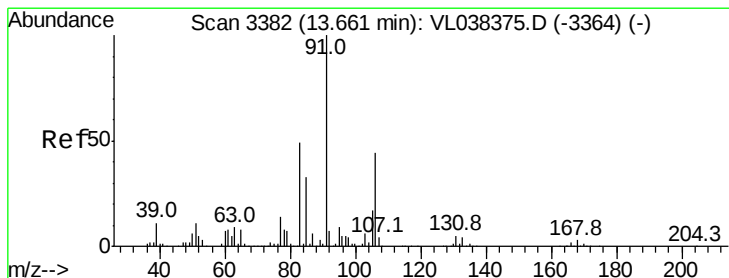
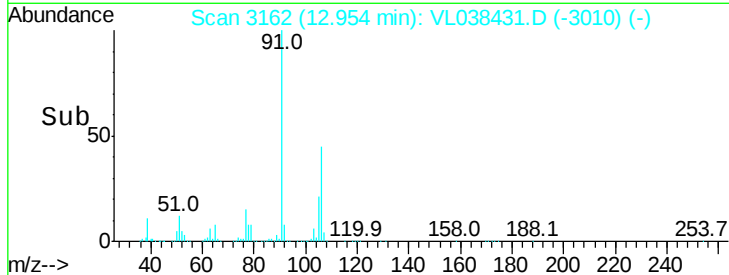
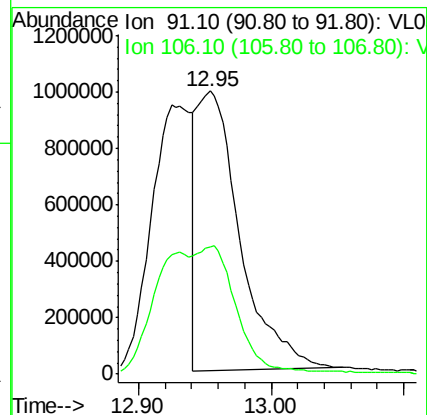
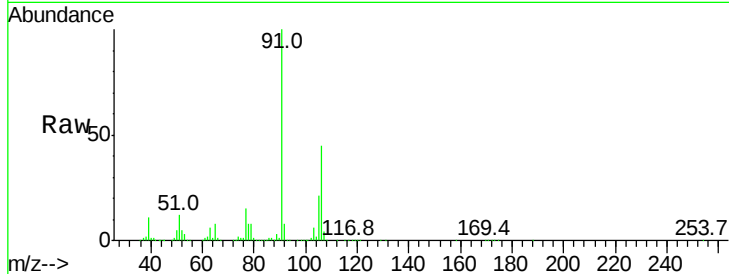
Tgt Ion: 91 Resp: 2621958
Ion Ratio Lower Upper
91 100
106 29.0 24.0 36.0





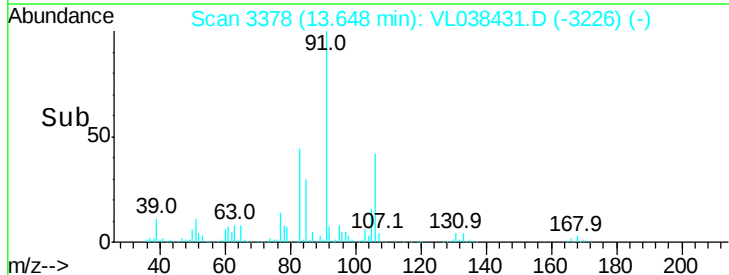
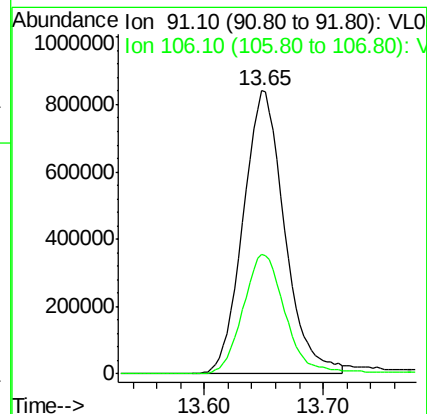
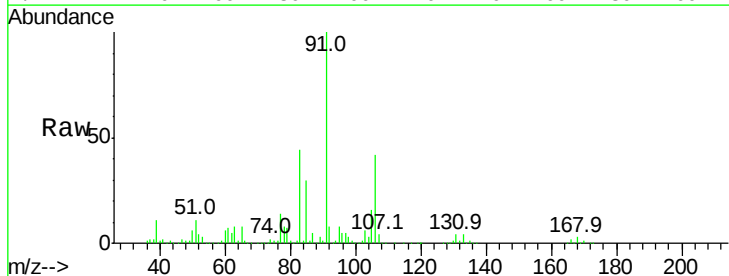
#59
m/p-Xylene
Concen: 7.87 ppbv
RT: 12.95 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Feb 2022 11:09 VSTDCCC010

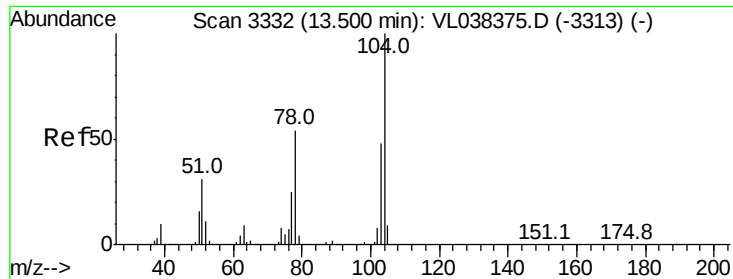
Tgt Ion: 91 Resp: 2220708
Ion Ratio Lower Upper
91 100
106 84.8 34.4 51.6#



#60
o-Xylene
Concen: 7.59 ppbv
RT: 13.65 min Scan# 3378
Delta R.T. -0.01 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

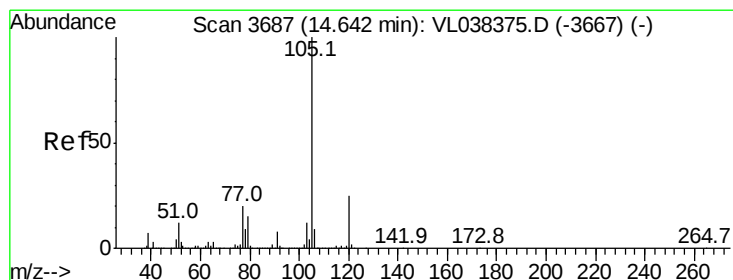
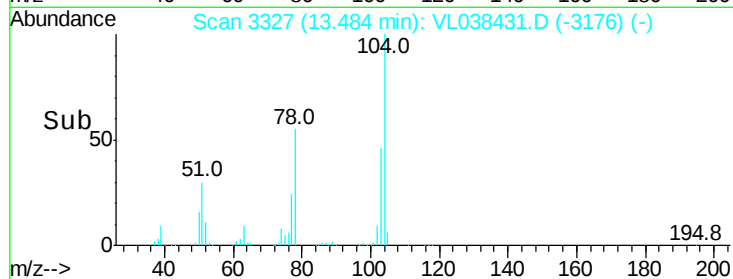
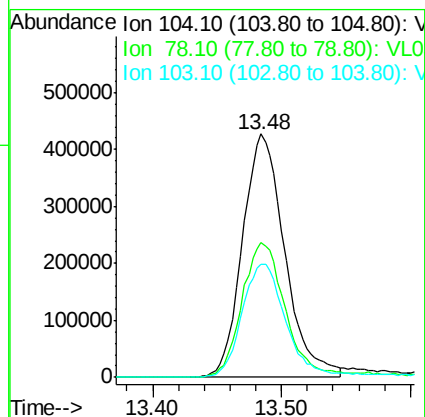
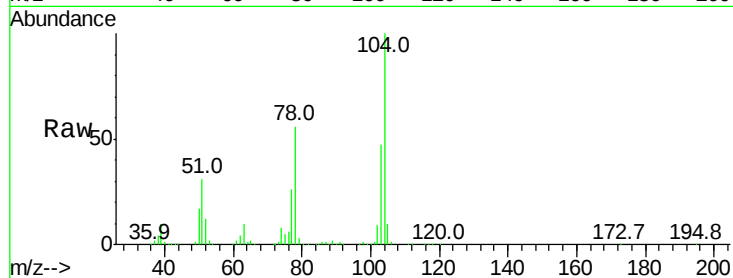
Tgt Ion: 91 Resp: 2024504
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.5





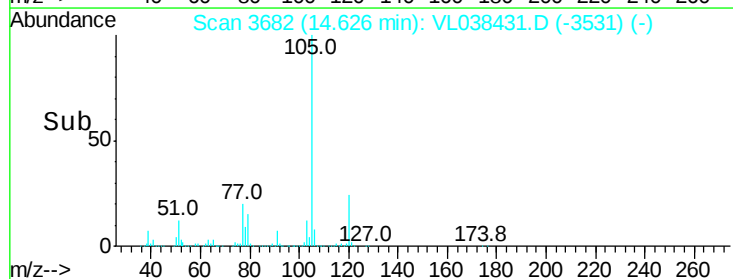
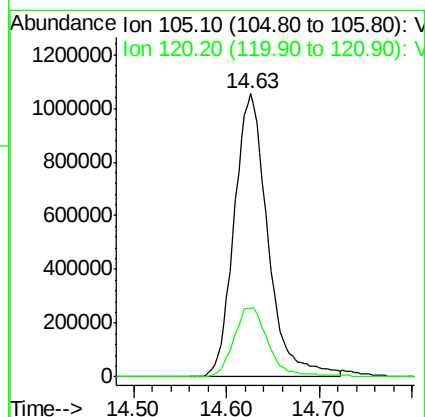
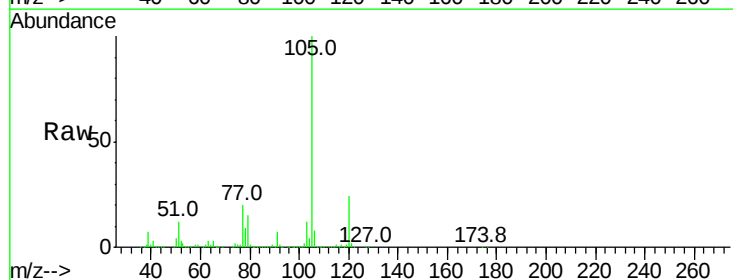
#61
Styrene
Concen: 7.94 ppbv
RT: 13.48
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 24 Feb 2022 11:09

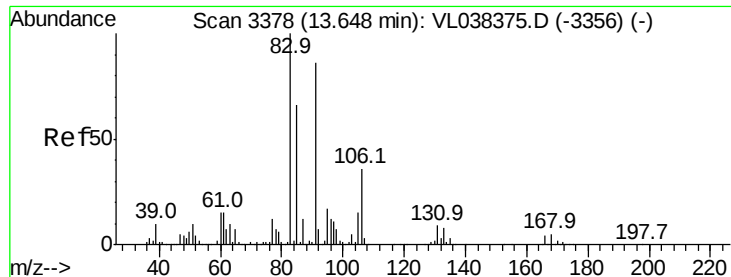
Tgt Ion:104 Resp: 977146
Ion Ratio Lower Upper
104 100
78 58.5 44.2 66.4
103 49.5 38.4 57.6



#62
Isopropylbenzene
Concen: 7.43 ppbv
RT: 14.63 min Scan# 3682
Delta R.T. -0.02 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

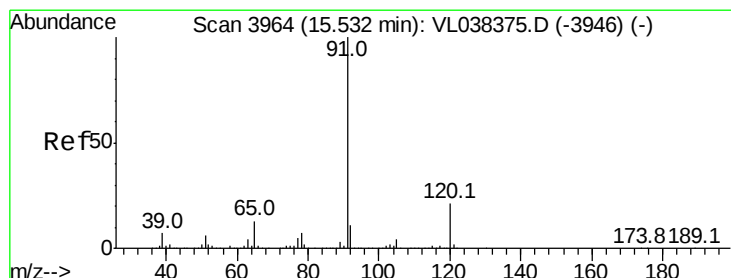
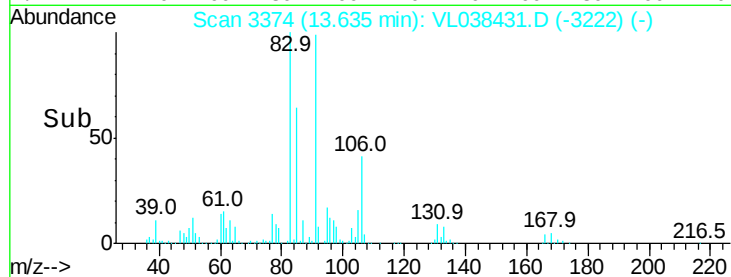
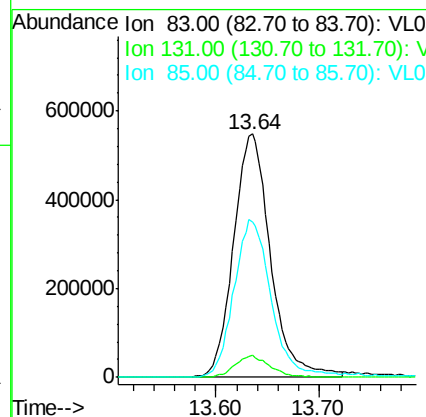
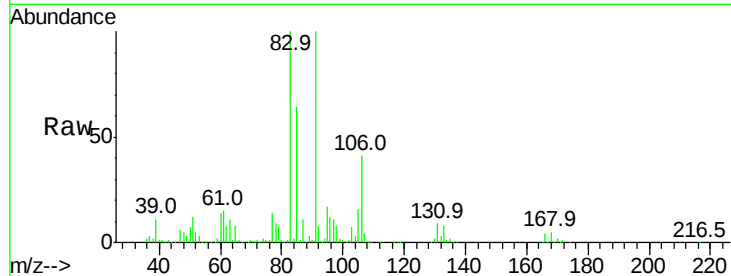
Tgt Ion:105 Resp: 2662346
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8





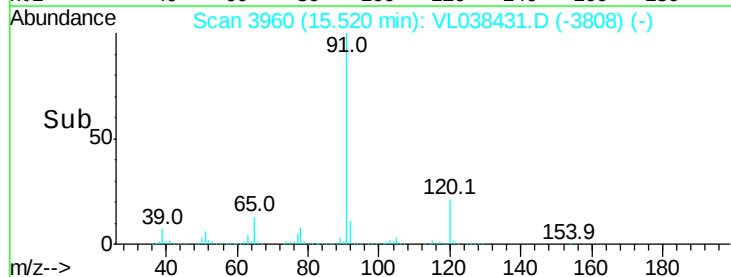
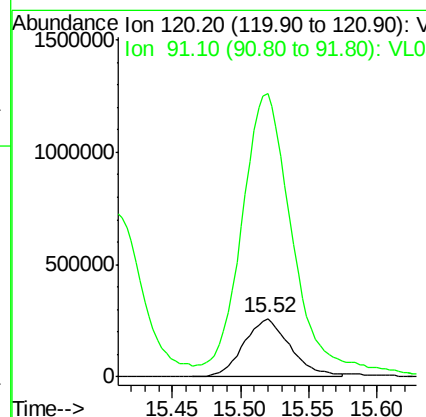
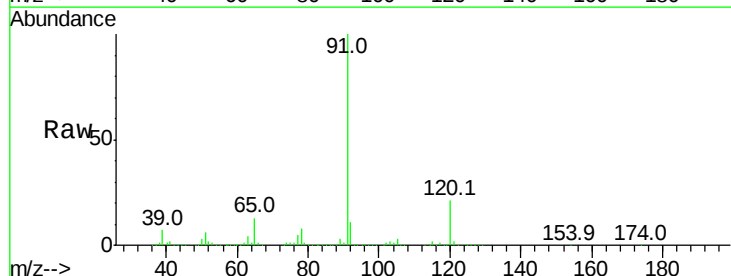
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.26 ppbv
 RT: 13.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

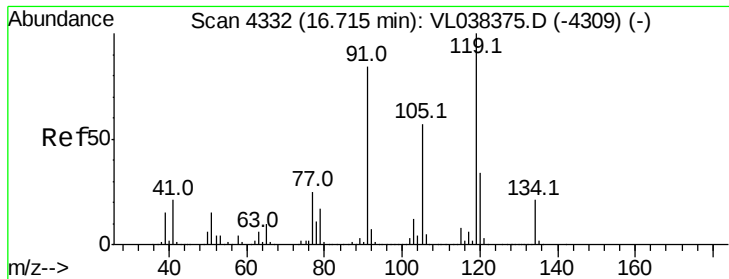
Tgt Ion: 83 Resp: 1357725
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.5 13.7
 85 67.7 33.0 99.0



#64
 n-propylbenzene
 Concen: 6.93 ppbv
 RT: 15.52 min Scan# 3960
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

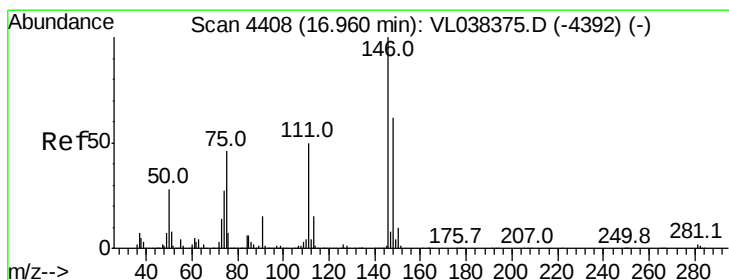
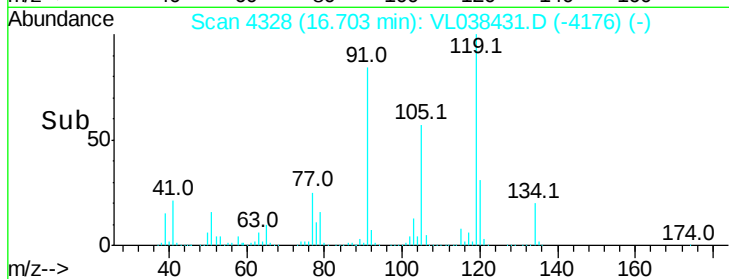
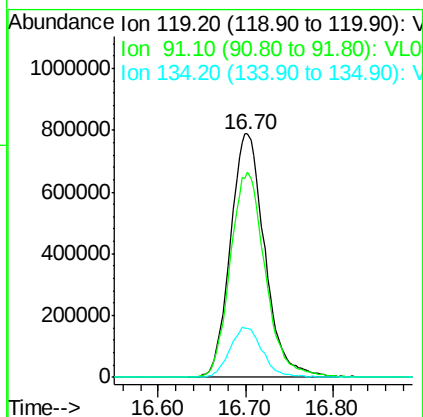
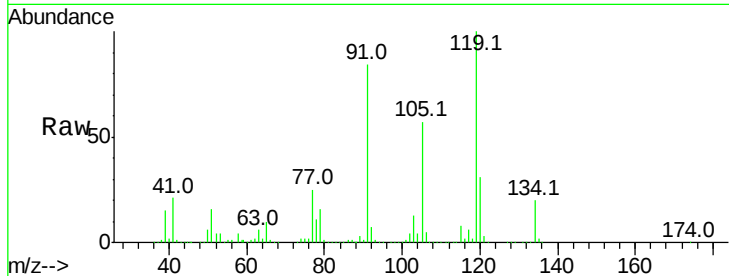
Tgt Ion: 120 Resp: 614848
 Ion Ratio Lower Upper
 120 100
 91 537.6 388.1 582.1





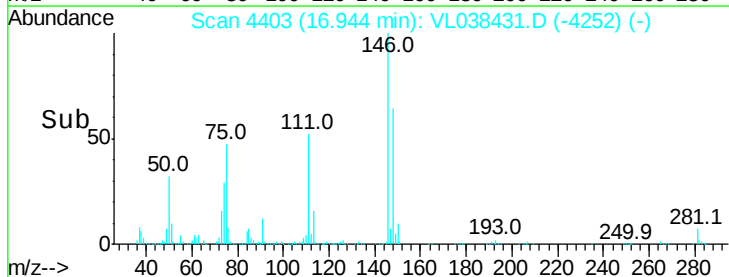
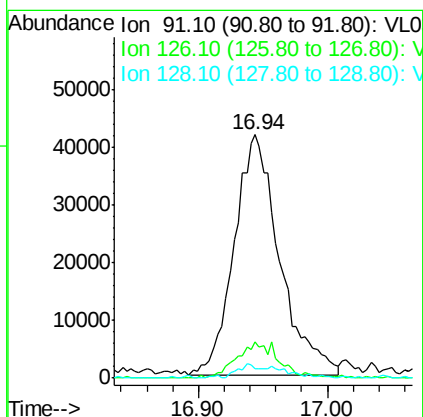
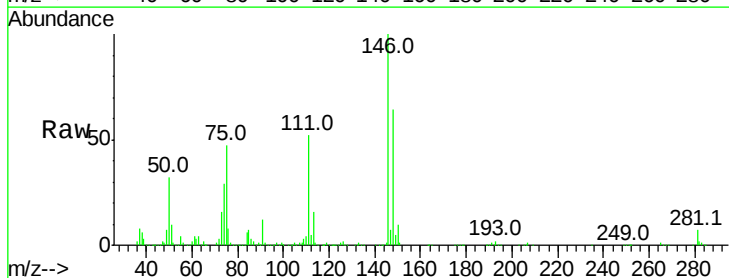
#65
 tert-Butylbenzene
 Concen: 6.92 ppbv
 RT: 16.70 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

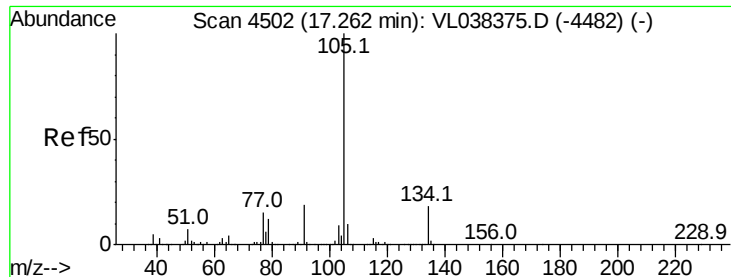
Tgt Ion: 119 Resp: 2146436
 Ion Ratio Lower Upper
 119 100
 91 86.0 68.0 102.0
 134 19.7 15.8 23.8



#66
 Benzyl Chloride
 Concen: 6.10 ppbv
 RT: 16.94 min Scan# 4403
 Delta R.T. -0.02 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

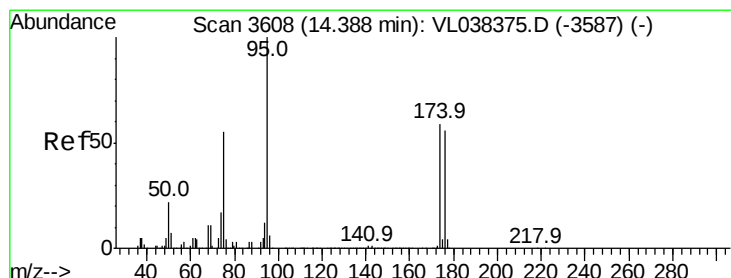
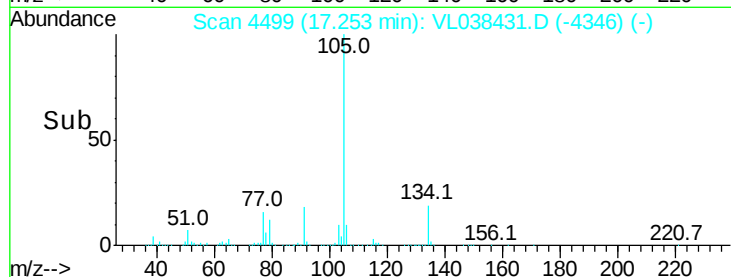
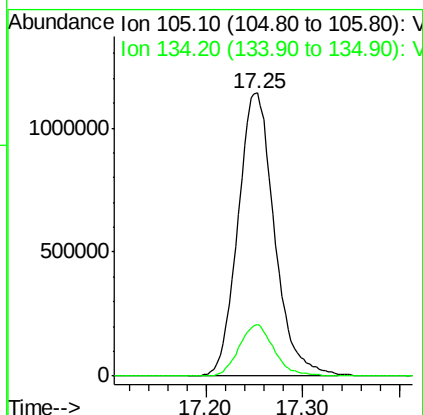
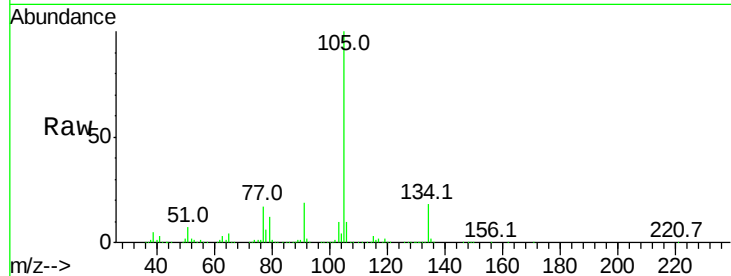
Tgt Ion: 91 Resp: 102292
 Ion Ratio Lower Upper
 91 100
 126 14.5 12.3 18.5
 128 5.9 4.2 6.4





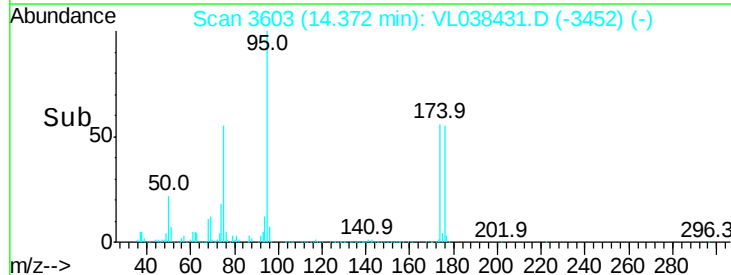
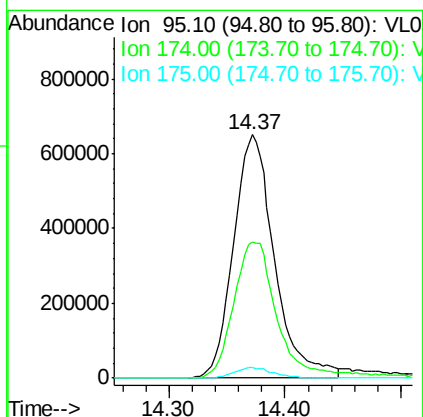
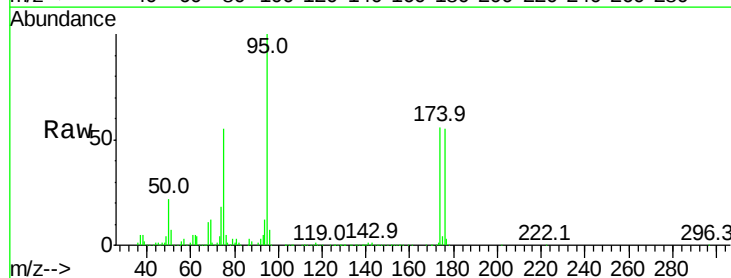
#67
 sec-Butylbenzene
 Concen: 6.81 ppbv
 RT: 17.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

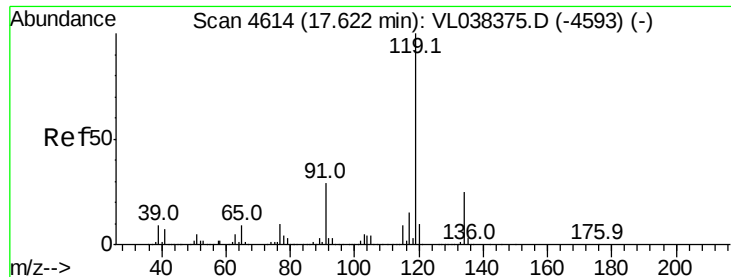
Tgt Ion: 105 Resp: 2991597
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.02 ppbv
 RT: 14.37 min Scan# 3603
 Delta R.T. -0.02 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

Tgt Ion: 95 Resp: 1594141
 Ion Ratio Lower Upper
 95 100
 174 60.8 49.0 73.4
 175 4.3 3.6 5.4

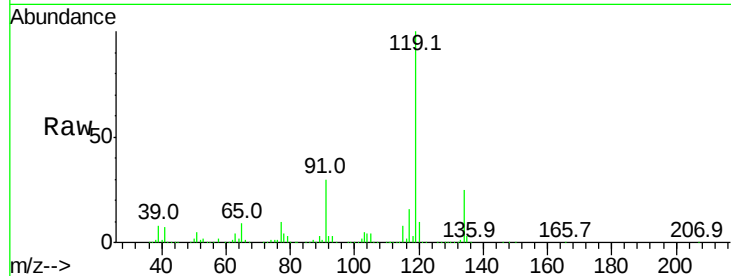




#69
 p-Isopropyltoluene
 Concen: 6.95 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

Tgt Ion: 119 Resp: 2399811

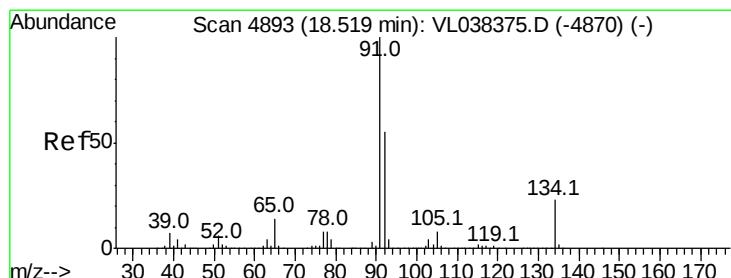
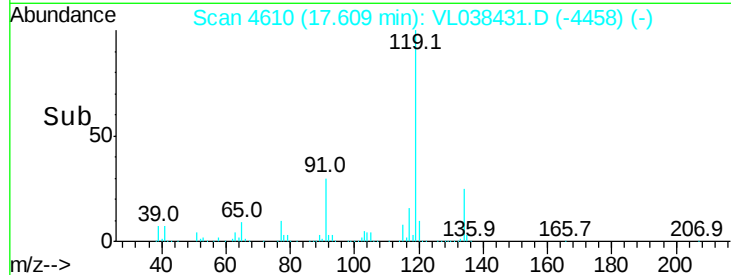
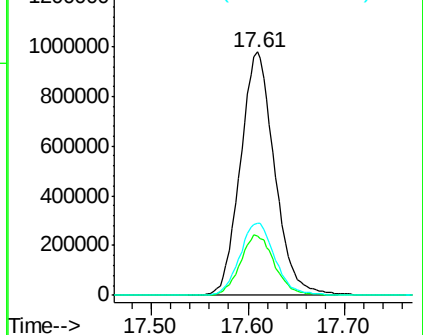
Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6
91	30.5	23.8	35.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

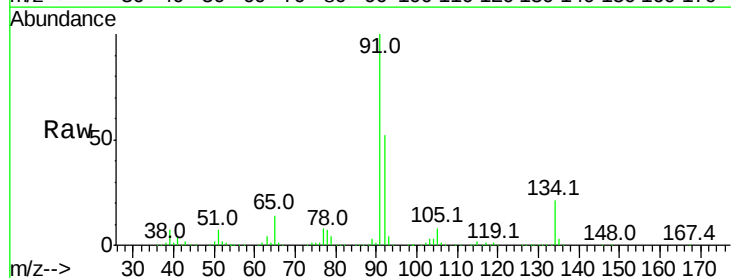
Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 7.19 ppbv
 RT: 18.51 min Scan# 4889
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

Tgt Ion: 91 Resp: 2567170

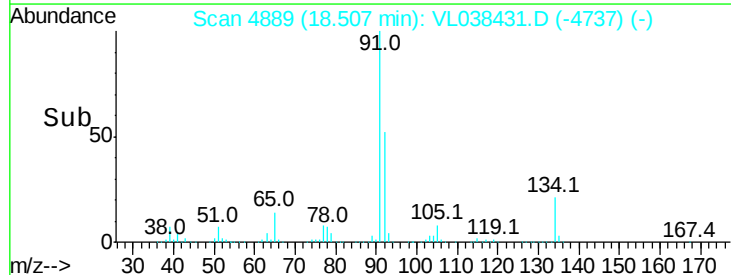
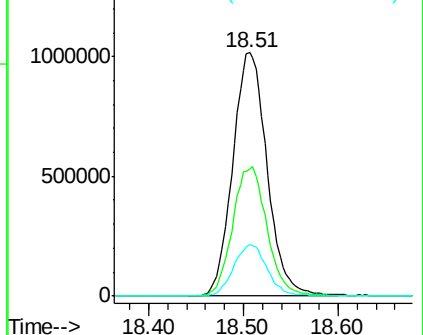
Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.1	64.7
134	20.8	17.4	26.0

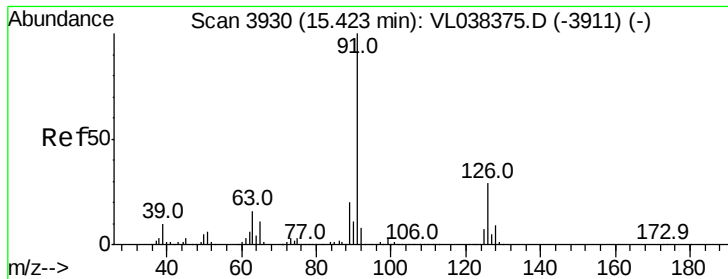


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 6.76 ppbv

RT: 15.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

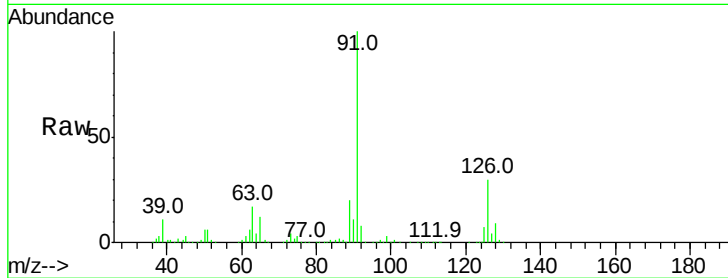
Acq: 24 Feb 2022 11:09

Tgt Ion: 91 Resp: 1861701

Ion Ratio Lower Upper

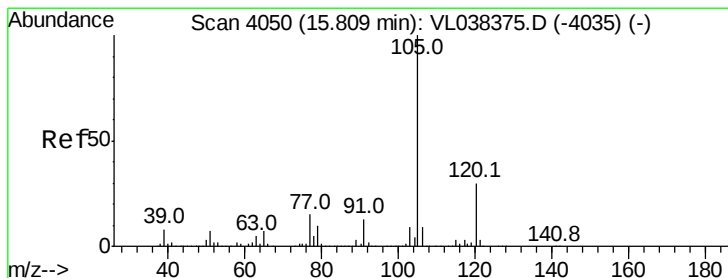
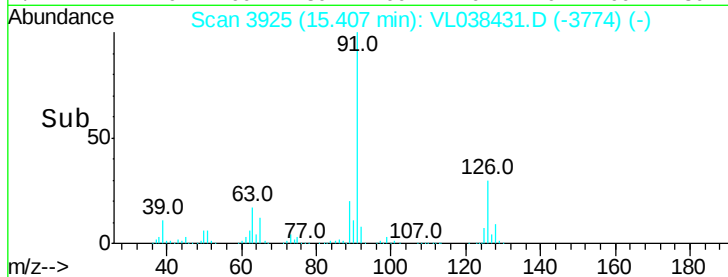
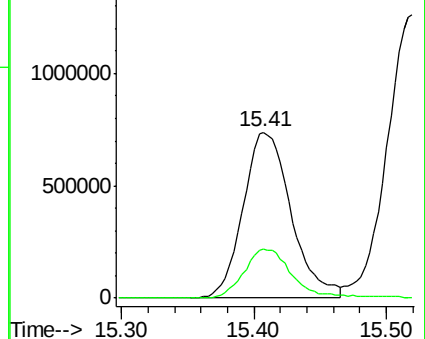
91 100

126 30.7 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: 7.47 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

Tgt Ion: 105 Resp: 2196636

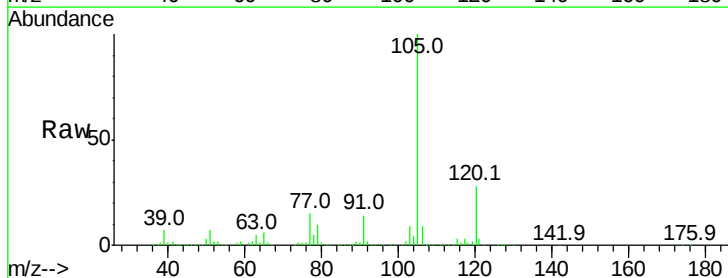
Ion Ratio Lower Upper

105 100

120 28.5 23.4 35.2

91 12.7 10.4 15.6

77 14.3 11.6 17.4

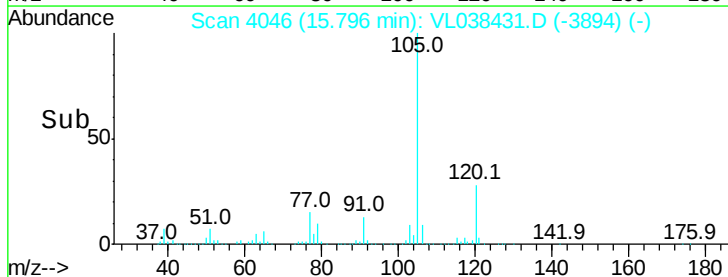
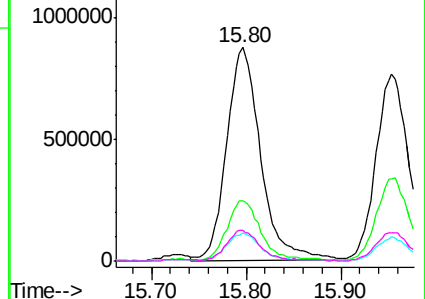


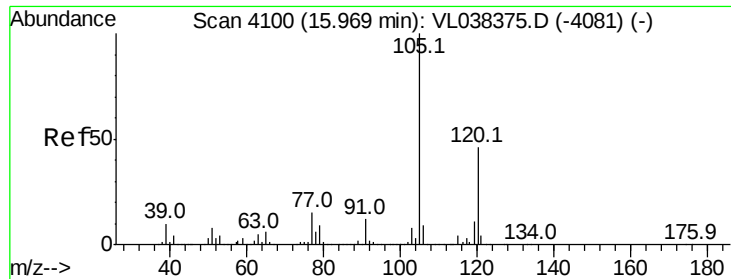
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

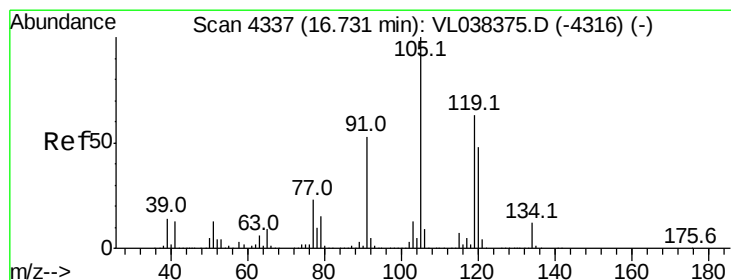
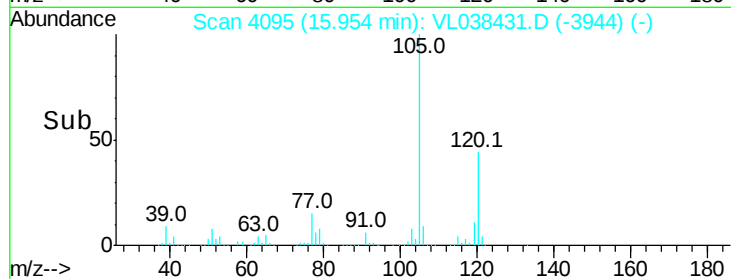
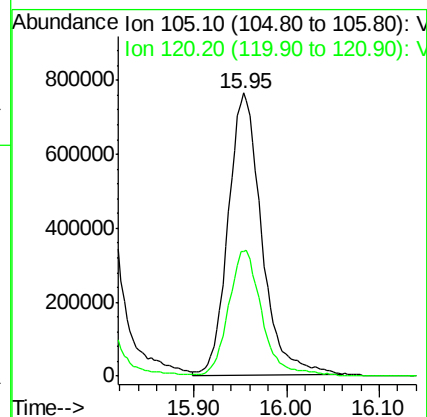
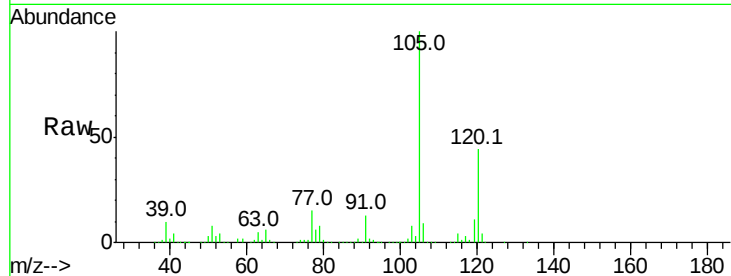
Ion 77.10 (76.80 to 77.80): VL0





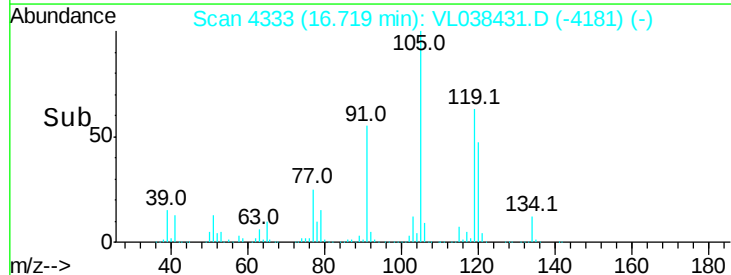
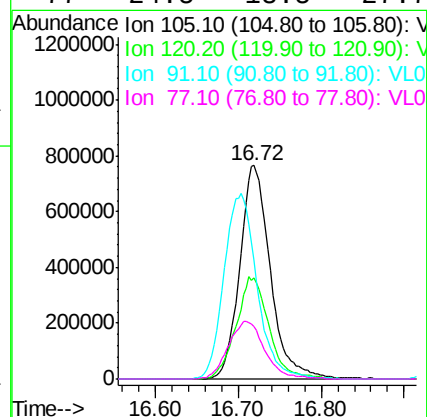
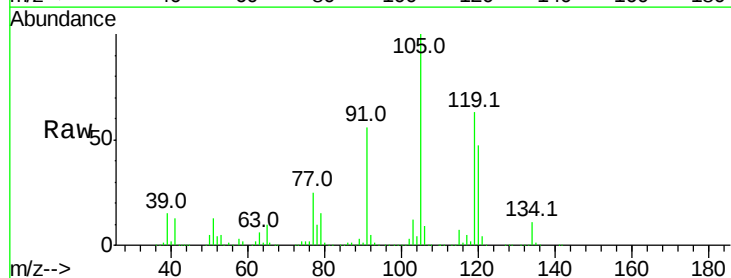
#73
 1,3,5-Trimethylbenzene
 Concen: 7.15 ppbv
 RT: 15.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Feb 2022 11:09

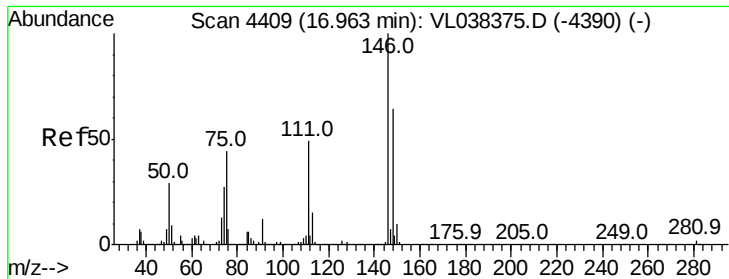
Tgt Ion:105 Resp: 1909211
 Ion Ratio Lower Upper
 105 100
 120 43.9 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 6.98 ppbv
 RT: 16.72 min Scan# 4333
 Delta R.T. -0.01 min
 Lab File: VL038431.D
 Acq: 24 Feb 2022 11:09

Tgt Ion:105 Resp: 1967581
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.2 57.4
 91 55.3 42.7 64.1
 77 24.5 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 6.39 ppbv

RT: 16.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09

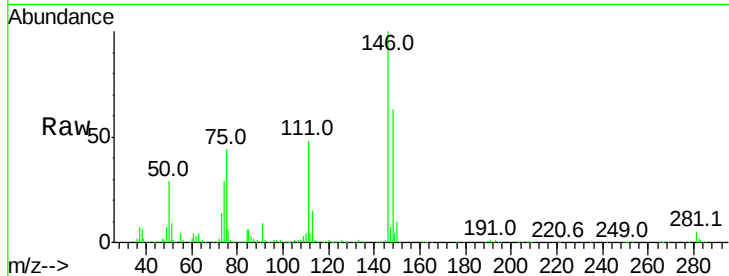
Tgt Ion:146 Resp: 1008435

Ion Ratio Lower Upper

146 100

111 49.8 24.3 72.9

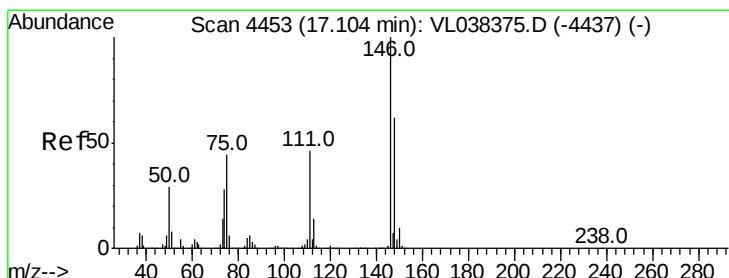
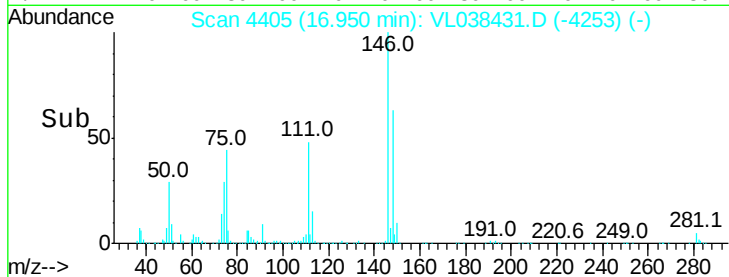
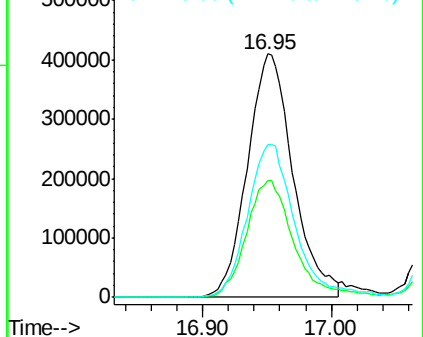
148 65.7 32.0 96.0



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



#76

1,4-Dichlorobenzene

Concen: 6.37 ppbv

RT: 17.09 min Scan# 4449

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

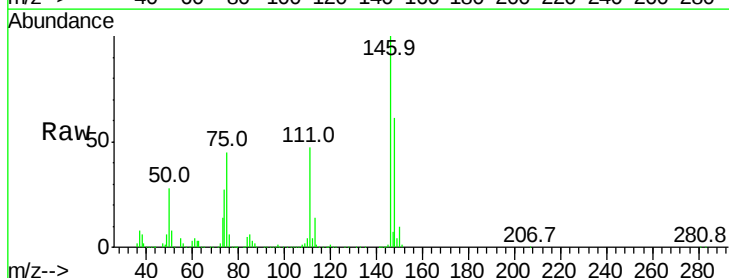
Tgt Ion:146 Resp: 991441

Ion Ratio Lower Upper

146 100

111 48.8 24.1 72.2

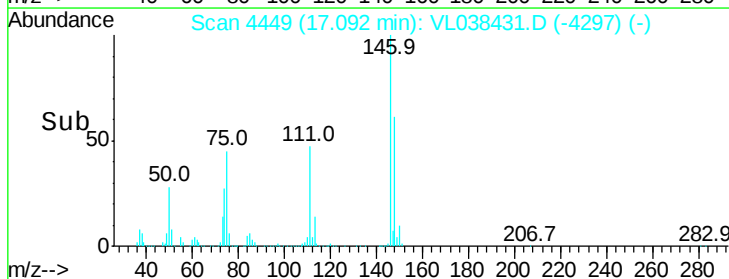
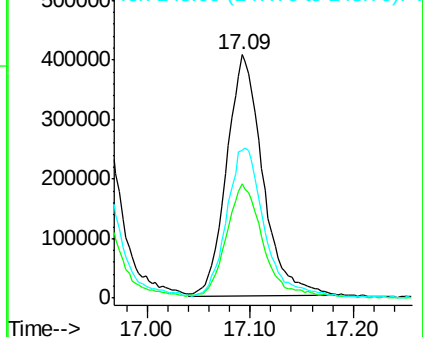
148 65.0 32.8 98.4

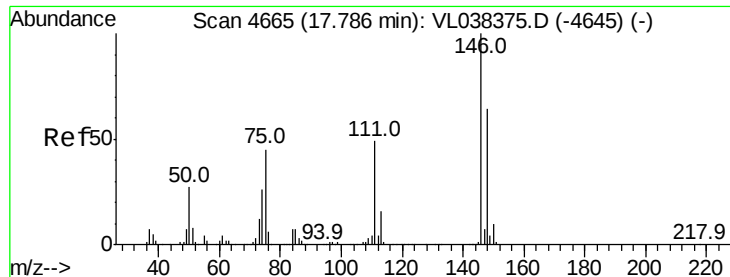


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.44 ppbv

RT: 17.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 11:09

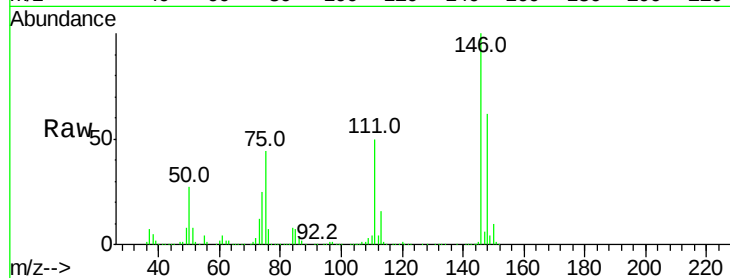
Tgt Ion:146 Resp: 978978

Ion Ratio Lower Upper

146 100

111 51.8 25.6 76.6

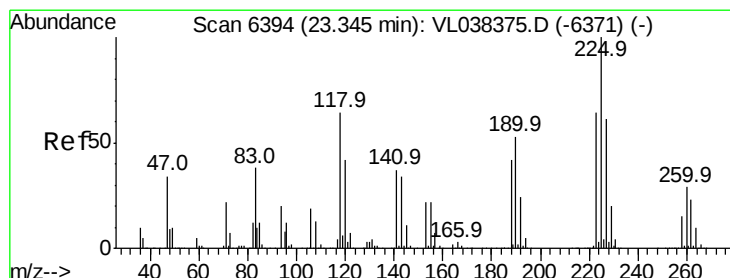
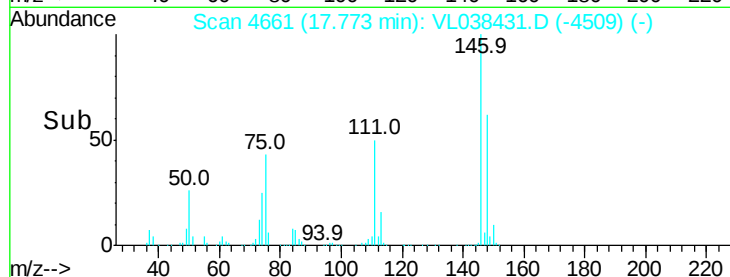
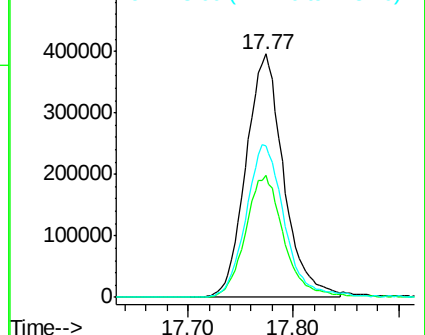
148 64.4 32.4 97.2



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: 6.99 ppbv

RT: 23.33 min Scan# 6390

Delta R.T. -0.01 min

Lab File: VL038431.D

Acq: 24 Feb 2022 11:09

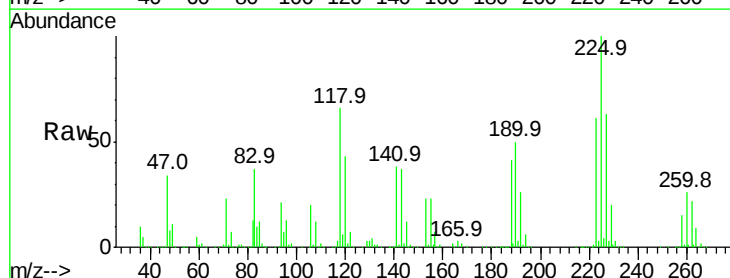
Tgt Ion:225 Resp: 809867

Ion Ratio Lower Upper

225 100

223 63.2 52.0 78.0

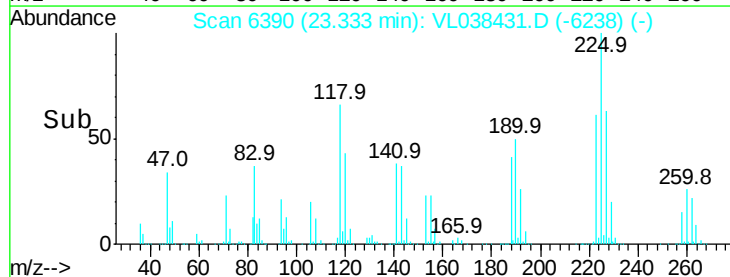
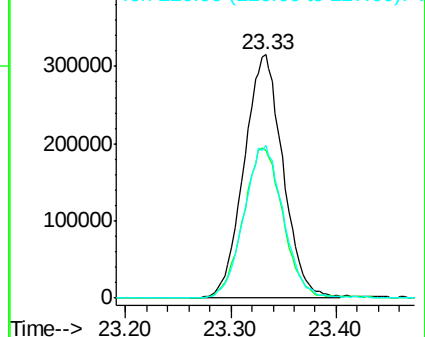
227 64.2 51.6 77.4

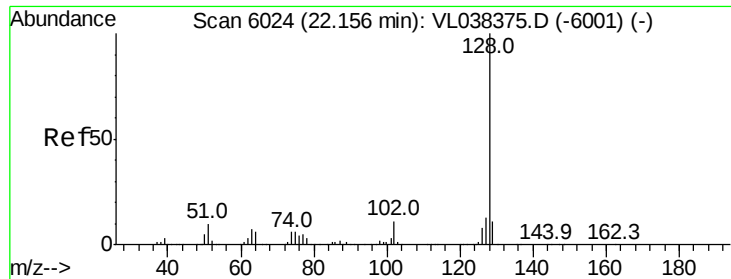


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

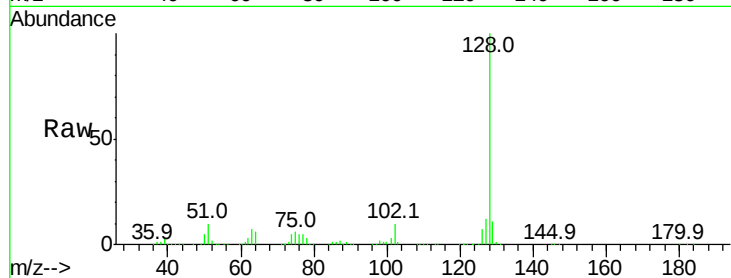
Ion 226.90 (226.60 to 227.60): V



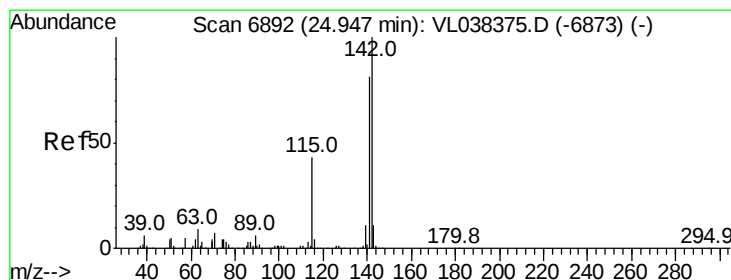
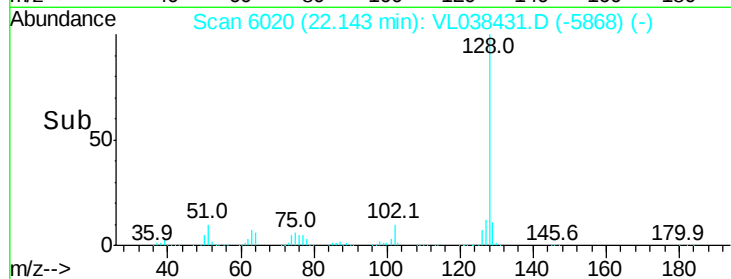
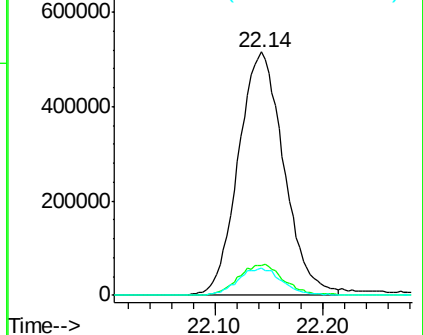


#79
Naphthalene
Concen: 9.89 ppbv
RT: 22.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 24 Feb 2022 11:09

Tgt Ion:128 Resp: 1510104
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 11.5 8.8 13.2

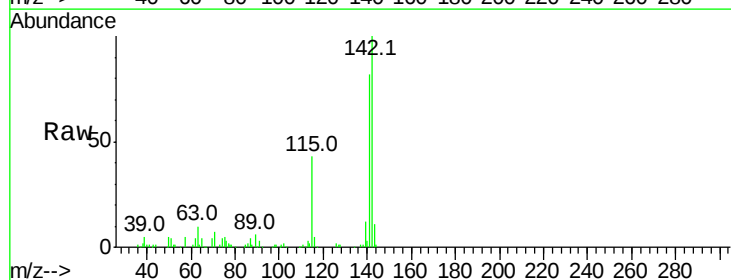


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

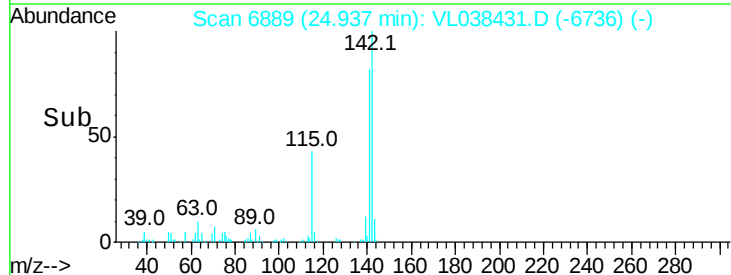
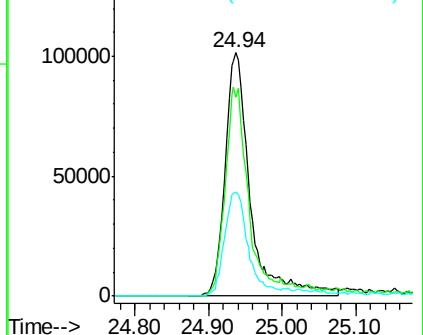


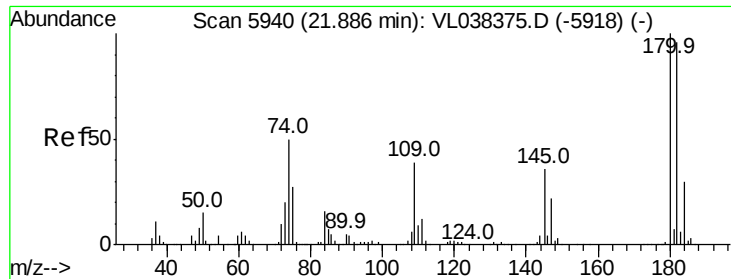
#80
Naphthalene, 2-methyl-
Concen: 8.11 ppbv
RT: 24.94 min Scan# 6889
Delta R.T. -0.01 min
Lab File: VL038431.D
Acq: 24 Feb 2022 11:09

Tgt Ion:142 Resp: 242104
Ion Ratio Lower Upper
142 100
141 83.9 69.8 104.6
115 44.3 33.0 49.6



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





#81

1,2,4-Trichlorobenzene

Concen: 8.79 ppbv

RT: 21.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010

Acq: 24 Feb 2022 11:09

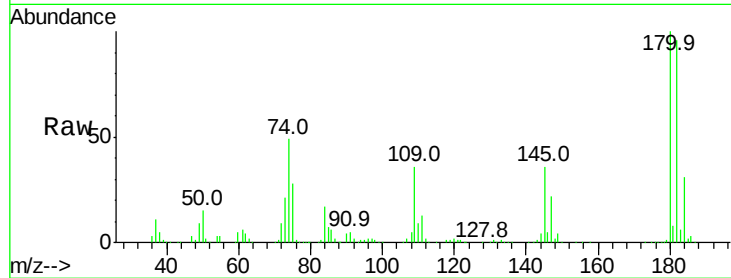
Tgt Ion:180 Resp: 812101

Ion Ratio Lower Upper

180 100

182 98.2 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

