

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038297.D
 Acq On : 27 Jan 2022 14:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jan 28 05:12:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	822579	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2175991	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2475533	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1550943	8.25	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1787657	10.209	ppbv	99
3) Chlorodifluoromethane	2.98	51	1517495	9.267	ppbv	99
4) Chloromethane	3.13	50	508829	9.032	ppbv	97
5) Vinyl Chloride	3.25	62	526524	9.364	ppbv	97
6) Bromomethane	3.47	94	293702	9.662	ppbv	97
7) Chloroethane	3.55	64	175773	9.255	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1304438	9.627	ppbv	98
9) Propene	3.01	41	496823	9.320	ppbv	98
10) Heptane	8.10	43	1306304	9.525	ppbv	99
11) Trichlorofluoromethane	3.94	101	1328822	9.741	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	977281	9.477	ppbv	99
13) Ethanol	3.60	45	27647	4.831	ppbv #	36
14) Bromoethene	3.73	108	391063	9.705	ppbv	99
15) Acetone	3.84	43	648121	8.938	ppbv	100
16) 1,3-Butadiene	3.32	39	513957	9.877	ppbv	98
17) tert-Butyl alcohol	4.27	59	711672	8.942	ppbv	97
18) 1,1-Dichloroethene	4.28	96	428371	9.553	ppbv	98
19) Isopropyl Alcohol	3.95	45	367257	8.096	ppbv #	98
20) Methylene Chloride	4.33	84	356746	8.459	ppbv	99
21) Allyl Chloride	4.40	41	639638	9.970	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	455255	9.826	ppbv	94
23) Vinyl Acetate	5.05	43	1017060	9.647	ppbv	100
24) 1,1-Dichloroethane	5.00	63	905689	9.643	ppbv	100
25) Ethyl Acetate	5.66	43	2025792	9.978	ppbv	100
26) Hexane	5.67	57	928000	9.827	ppbv	100
27) Carbon Disulfide	4.54	76	1092077	9.885	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	950048	9.698	ppbv	99
29) Chloroform	5.73	83	1503374	9.753	ppbv	99
30) Cyclohexane	7.11	84	774260	9.417	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	923600	11.212	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	1488719	9.670	ppbv	99
34) 2-Butanone	5.23	43	700019	9.837	ppbv	100
35) Carbon Tetrachloride	7.00	117	1554855	10.180	ppbv	98
36) Benzene	6.87	78	1943250	10.096	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1149477	10.426	ppbv	99
38) Trichloroethene	7.81	130	710101	9.904	ppbv	97
39) 1,2-Dichloropropane	7.59	63	758054	9.714	ppbv	97
40) 1,4-Dioxane	7.81	88	189409	10.085	ppbv	79
41) Tetrahydrofuran	6.03	42	496040	10.370	ppbv	99
42) Bromodichloromethane	7.77	83	1651487	10.097	ppbv	99
43) Methyl Methacrylate	7.99	69	737640	10.835	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
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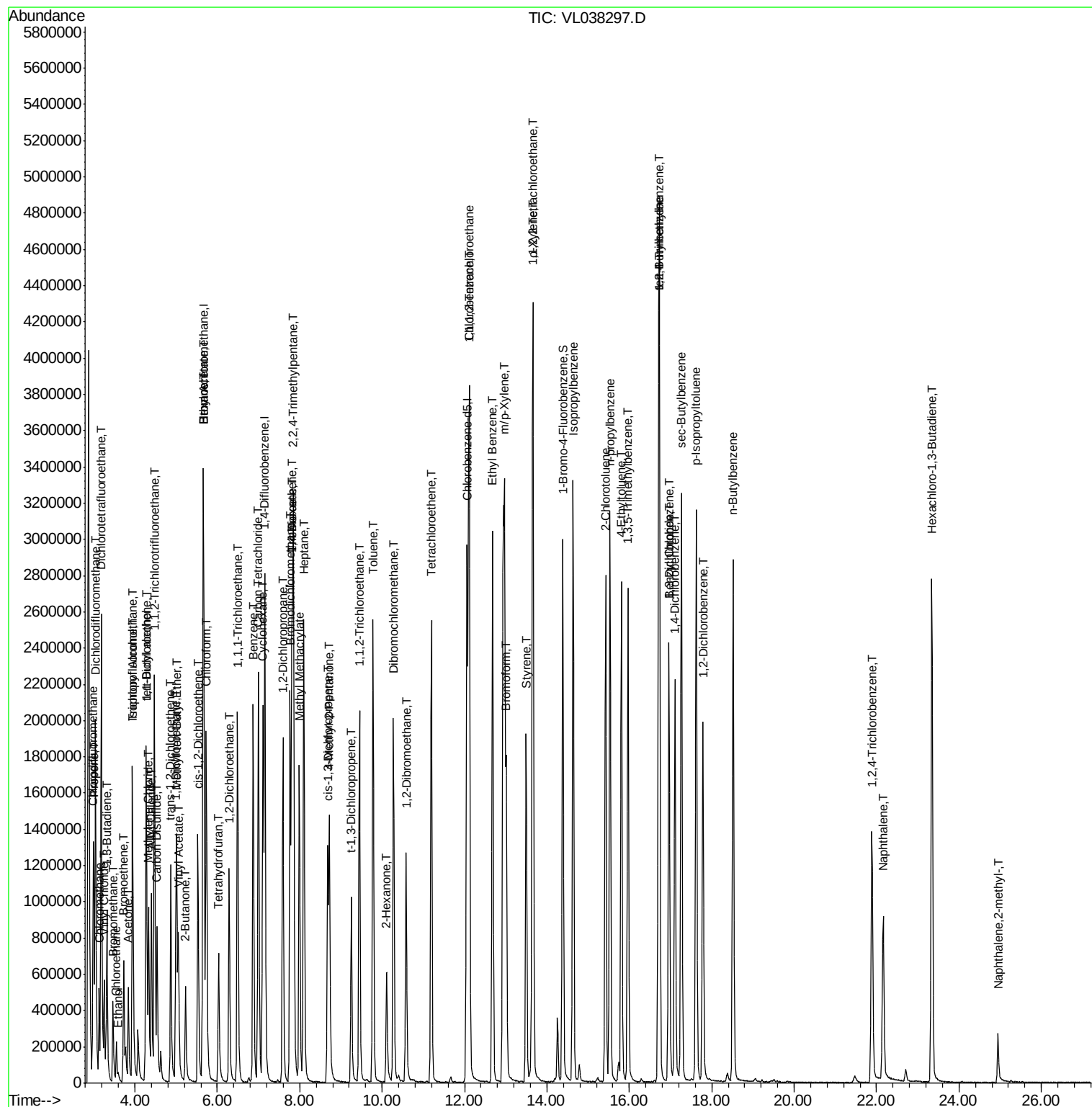
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3298232	9.724	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	657033	11.878	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	838598	11.363	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	774150	10.096	ppbv	98
48) Dibromochloromethane	10.28	129	1332503	10.322	ppbv	99
49) Bromoform	13.01	173	960667	10.323	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1331972	10.493	ppbv	100
51) 2-Hexanone	10.11	43	610840	10.926	ppbv #	99
52) Tetrachloroethene	11.20	164	630966	9.512	ppbv	97
53) Toluene	9.78	91	2202110	10.336	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1132962	10.393	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	857429	7.913	ppbv	95
57) Chlorobenzene	12.12	112	1560549	7.878	ppbv	99
58) Ethyl Benzene	12.68	91	2914924	8.012	ppbv	99
59) m/p-Xylene	12.97	91	2483234	8.000	ppbv #	37
60) o-Xylene	13.66	91	2274178	7.877	ppbv	99
61) Styrene	13.50	104	1176034	8.729	ppbv	100
62) Isopropylbenzene	14.64	105	2989742	7.768	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	1556345	7.286	ppbv	99
64) n-propylbenzene	15.53	120	740267	7.996	ppbv	100
65) tert-Butylbenzene	16.72	119	2401030	7.575	ppbv	99
66) Benzyl Chloride	16.96	91	121095	8.410	ppbv	99
67) sec-Butylbenzene	17.27	105	3332385	7.557	ppbv	100
69) p-Isopropyltoluene	17.62	119	2603642	7.716	ppbv	99
70) n-Butylbenzene	18.52	91	2587859	7.830	ppbv	100
71) 2-Chlorotoluene	15.42	91	2253482	7.905	ppbv	98
72) 4-Ethyltoluene	15.81	105	2468545	8.177	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2140871	7.885	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2159669	7.551	ppbv	92
75) 1,3-Dichlorobenzene	16.97	146	1164251	7.585	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	1107017	7.450	ppbv	97
77) 1,2-Dichlorobenzene	17.79	146	1045927	7.337	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	696377	7.026	ppbv	99
79) Naphthalene	22.16	128	1244604	9.307	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	190699	13.113	ppbv	91
81) 1,2,4-Trichlorobenzene	21.89	180	655071	8.328	ppbv	98

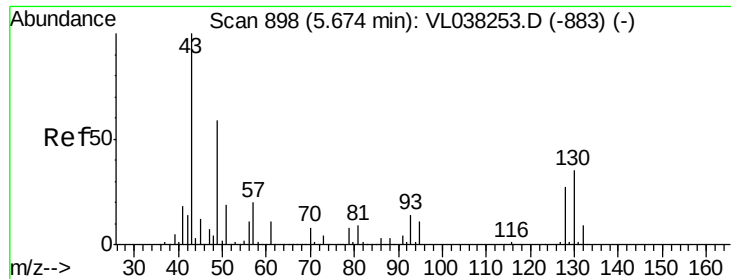
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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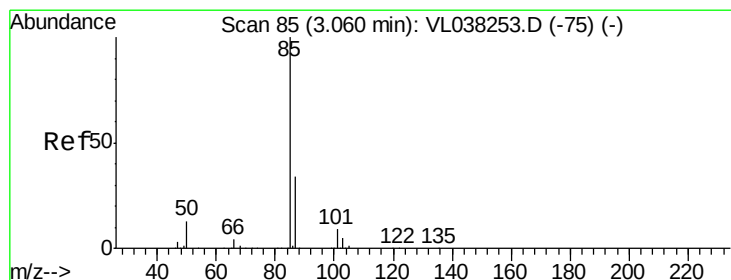
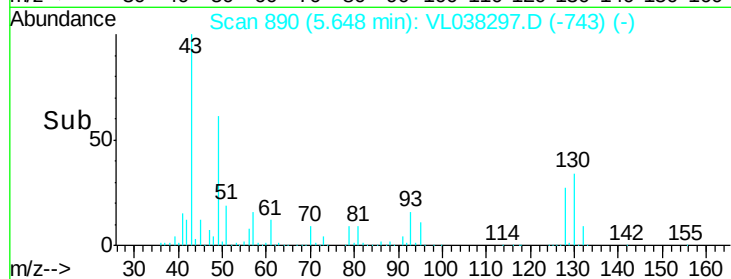
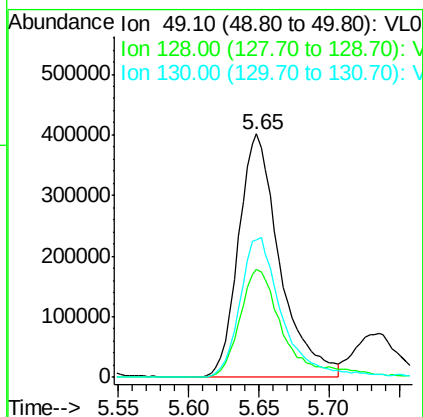
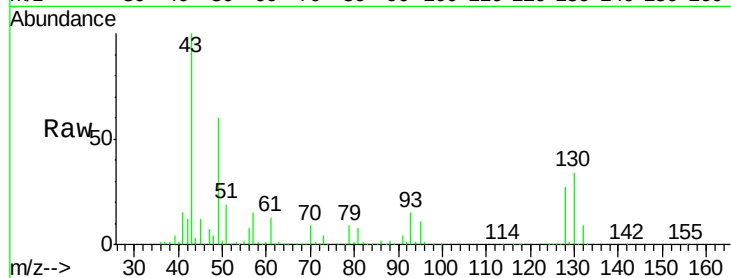
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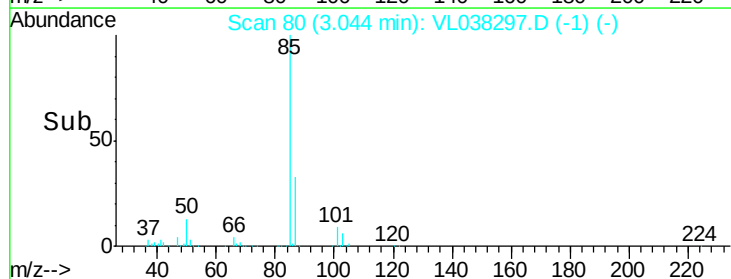
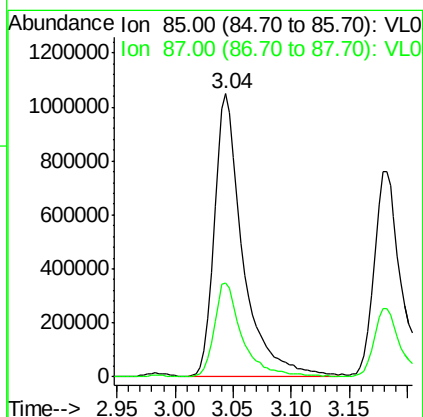
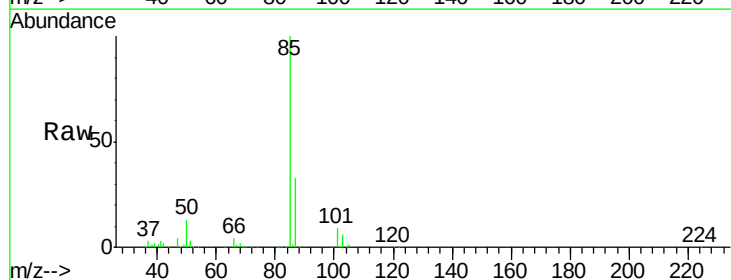
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

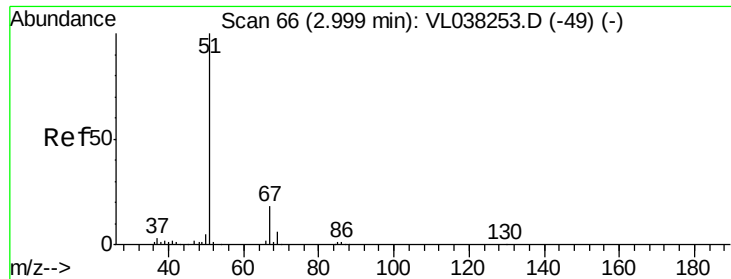
Tgt Ion: 49 Resp: 822579
 Ion Ratio Lower Upper
 49 100
 128 48.5 24.5 73.5
 130 59.7 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 10.209 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T.: -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

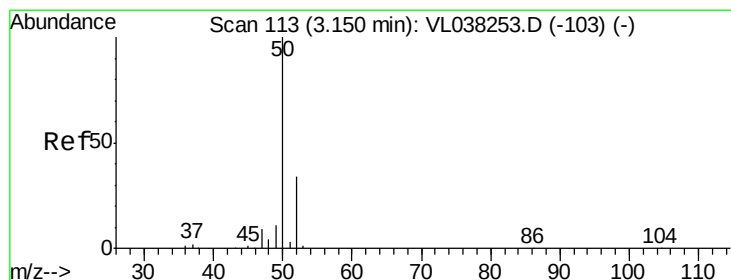
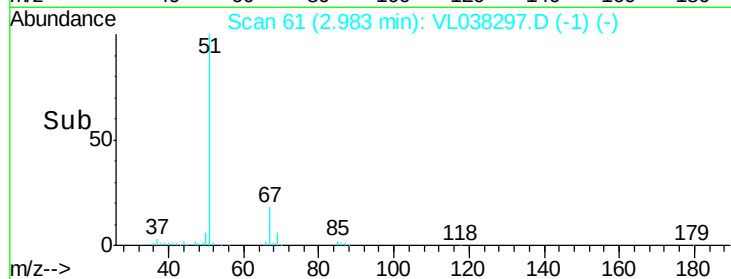
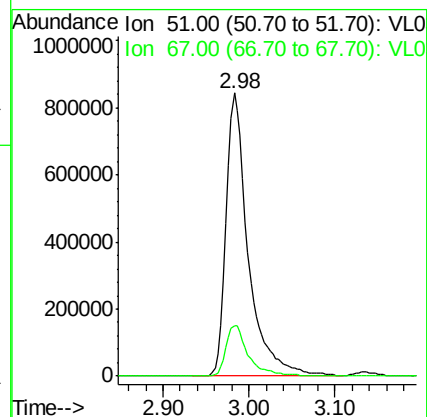
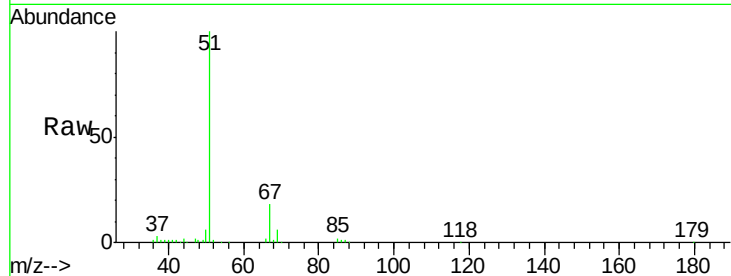
Tgt Ion: 85 Resp: 1787657
 Ion Ratio Lower Upper
 85 100
 87 33.4 27.0 40.6





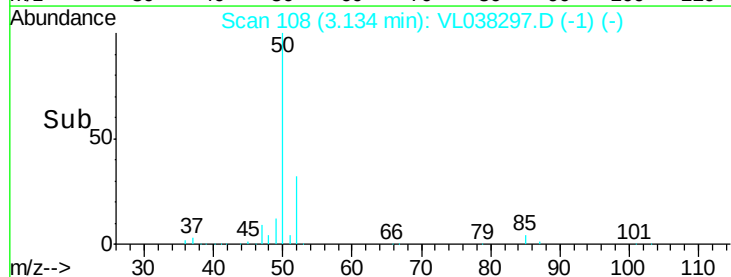
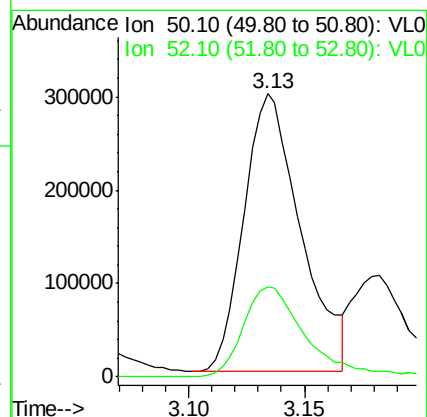
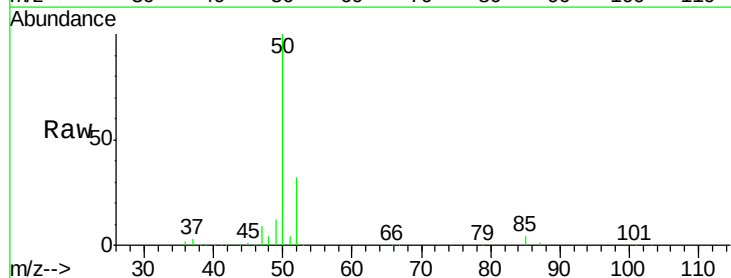
#3
 Chlorodifluoromethane
 Concen: 9.267 ppbv
 RT: 2.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

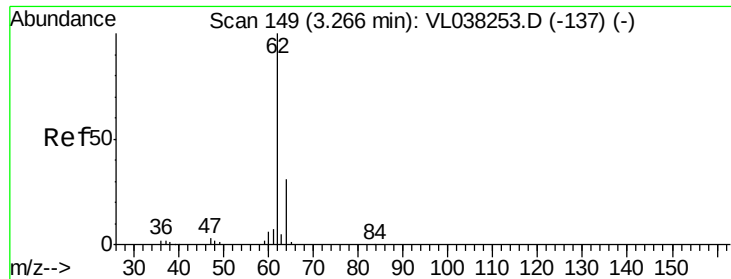
Tgt Ion: 51 Resp: 1517495
 Ion Ratio Lower Upper
 51 100
 67 18.4 14.4 21.6



#4
 Chloromethane
 Concen: 9.032 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 50 Resp: 508829
 Ion Ratio Lower Upper
 50 100
 52 32.4 27.1 40.7





#5

Vinyl Chloride

Concen: 9.364 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

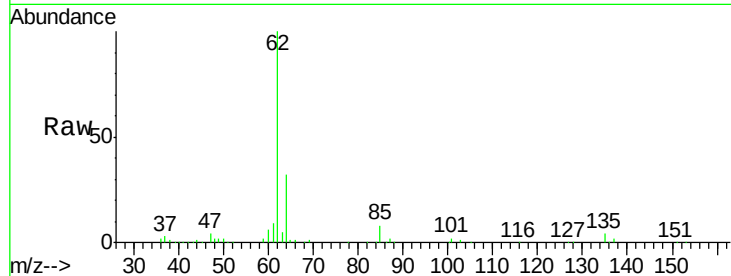
Acq: 27 Jan 2022 14:28

Tgt Ion: 62 Resp: 526524

Ion Ratio Lower Upper

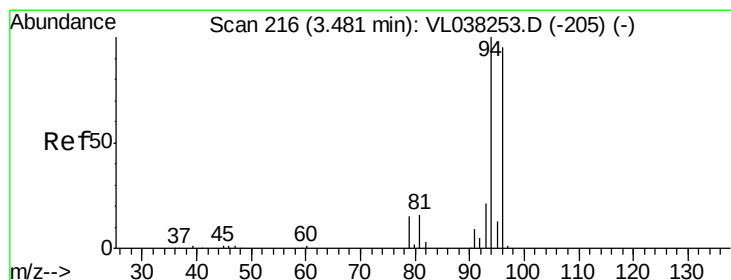
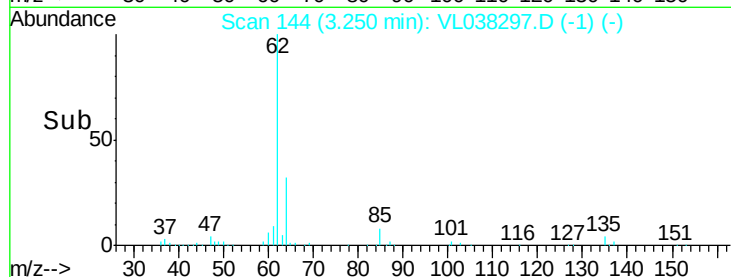
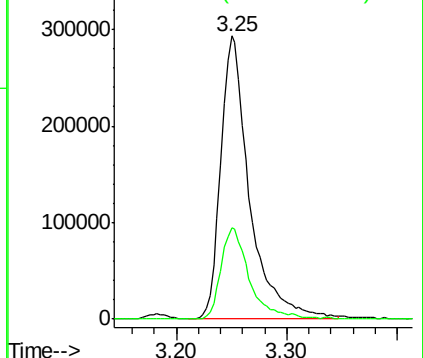
62 100

64 32.1 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.662 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.02 min

Lab File: VL038297.D

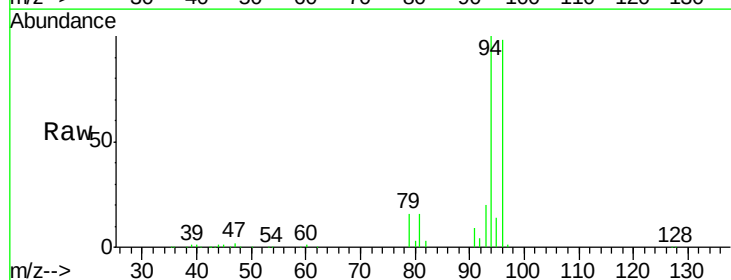
Acq: 27 Jan 2022 14:28

Tgt Ion: 94 Resp: 293702

Ion Ratio Lower Upper

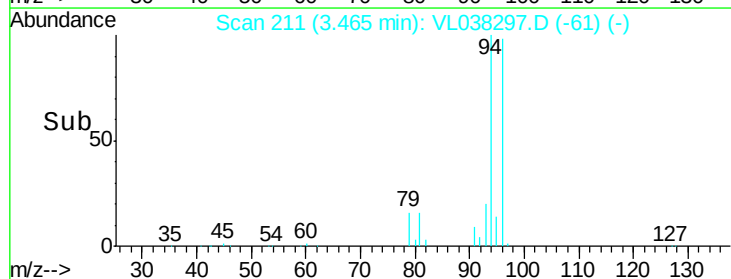
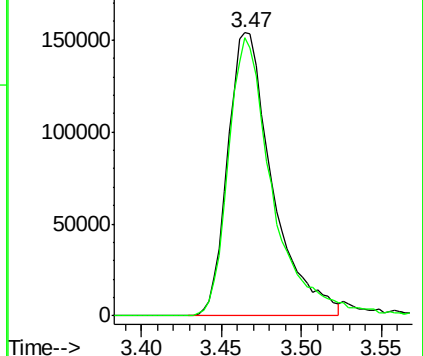
94 100

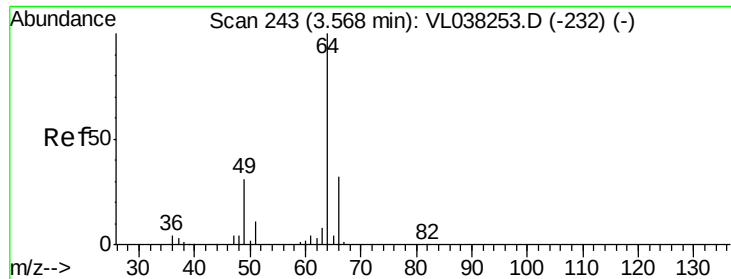
96 98.3 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.255 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

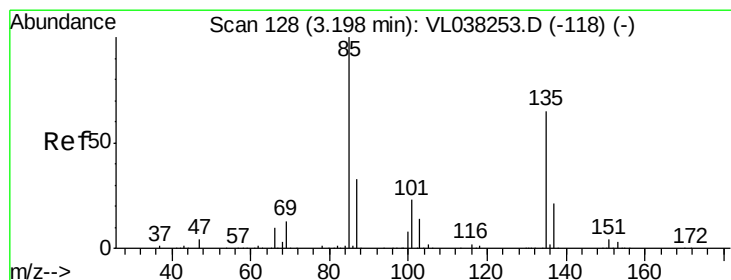
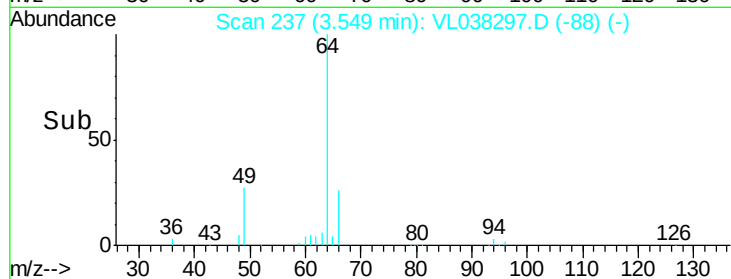
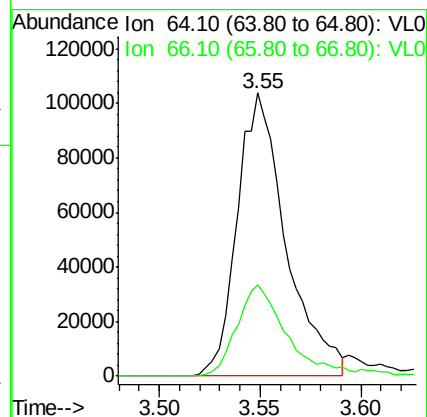
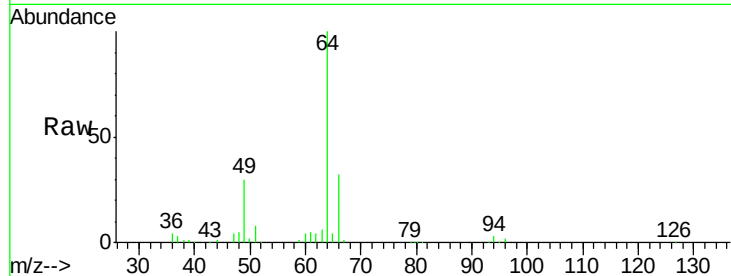
Acq: 27 Jan 2022 14:28 VSTDCCC010

Tgt Ion: 64 Resp: 175773

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.627 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.02 min

Lab File: VL038297.D

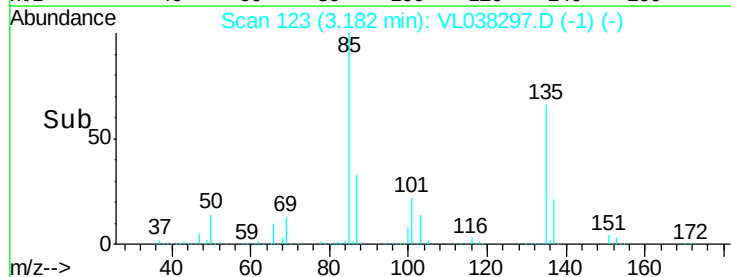
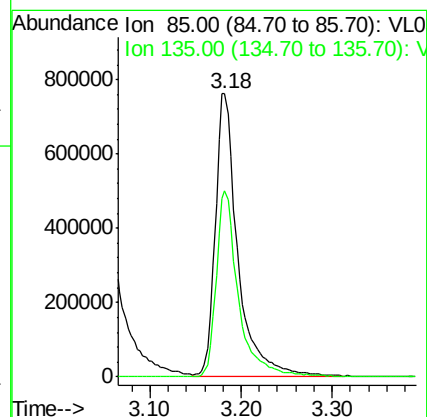
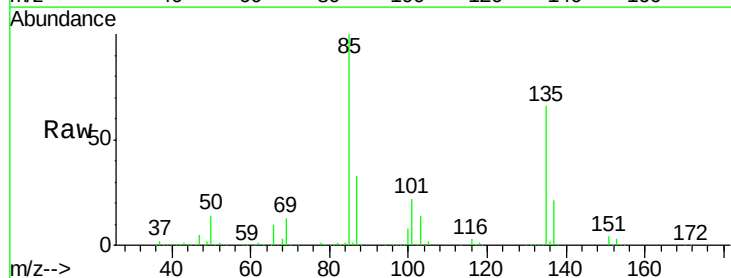
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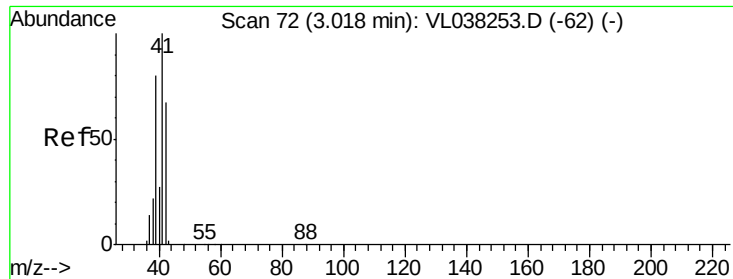
Tgt Ion: 85 Resp: 1304438

Ion Ratio Lower Upper

85 100

135 65.6 53.7 80.5





#9

Propene

Concen: 9.320 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

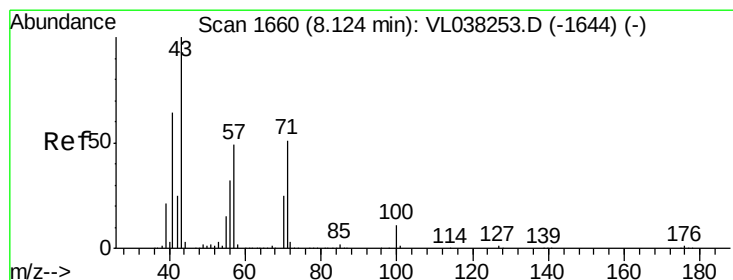
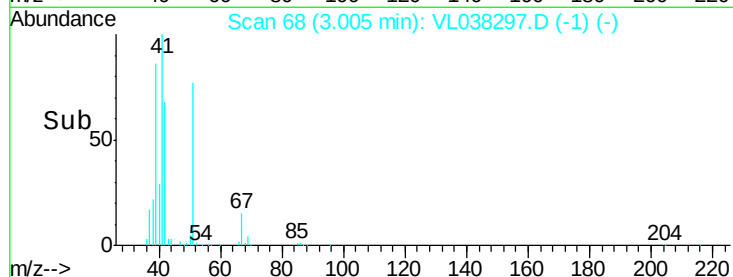
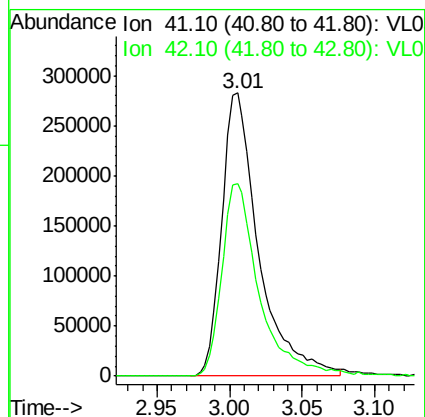
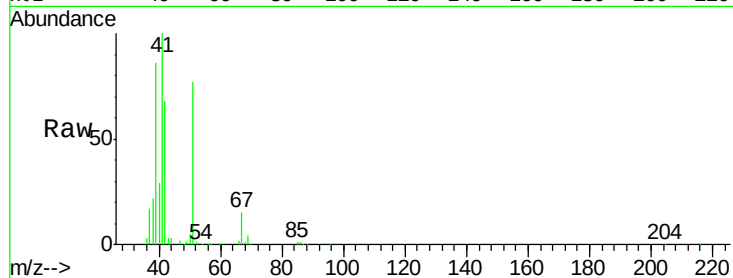
Acq: 27 Jan 2022 14:28

Tgt Ion: 41 Resp: 496823

Ion Ratio Lower Upper

41 100

42 70.0 54.9 82.3



#10

Heptane

Concen: 9.525 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL038297.D

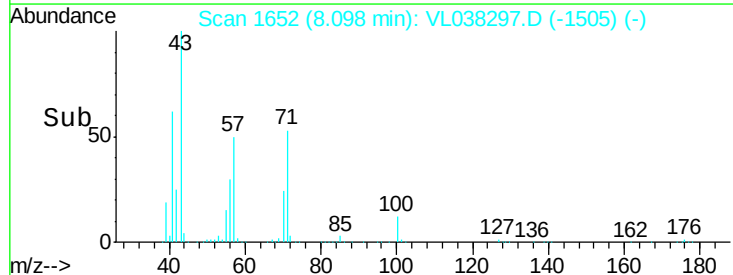
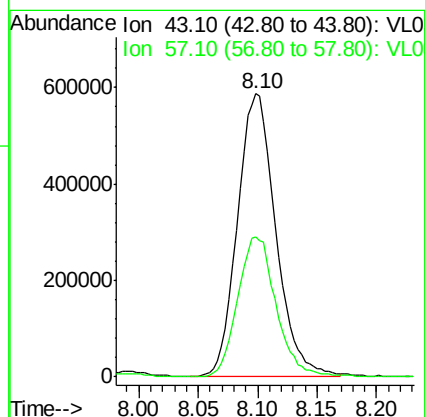
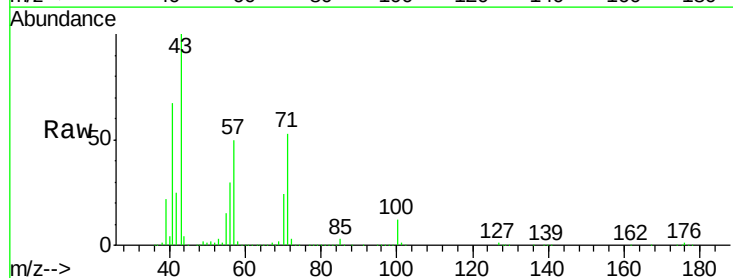
Acq: 27 Jan 2022 14:28

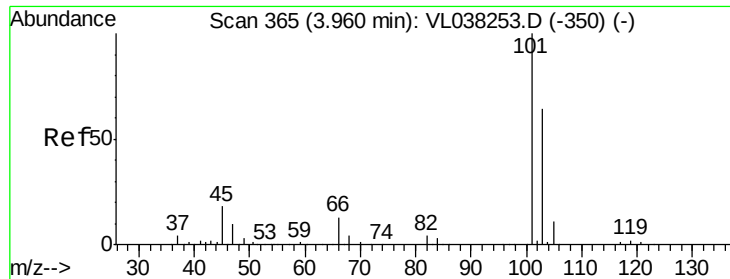
Tgt Ion: 43 Resp: 1306304

Ion Ratio Lower Upper

43 100

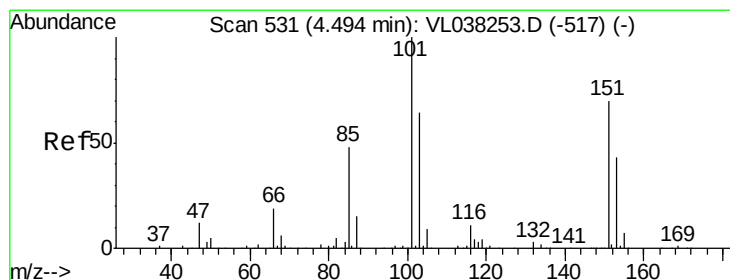
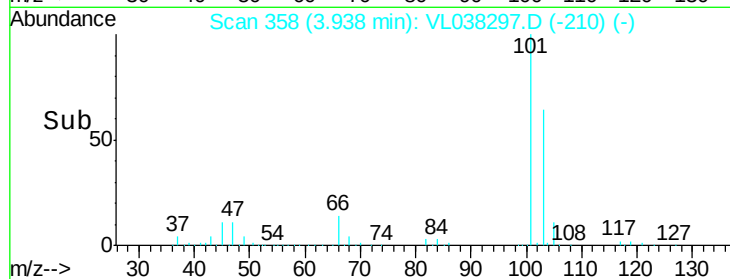
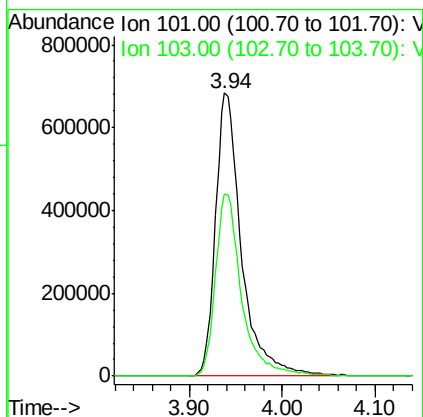
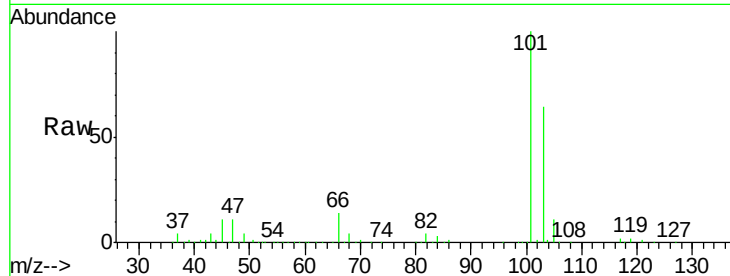
57 50.3 39.5 59.3





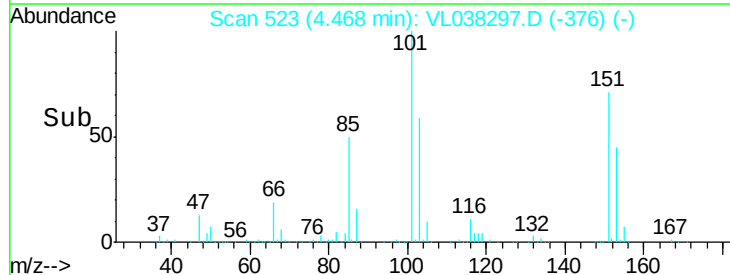
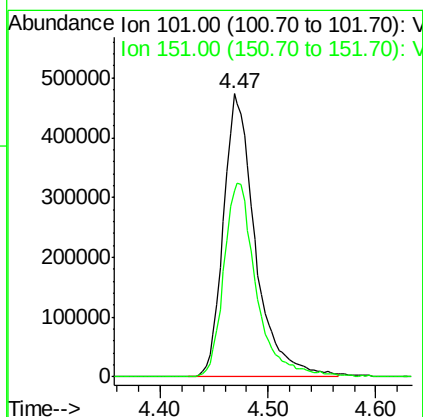
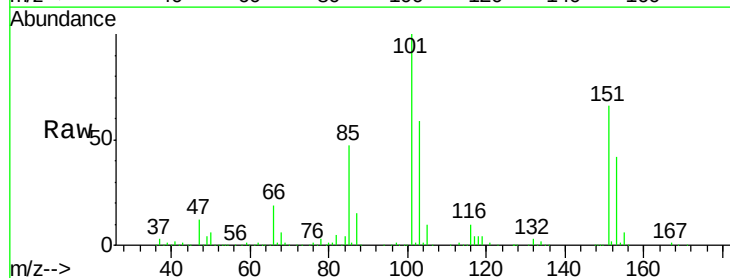
#11
 Trichlorofluoromethane
 Concen: 9.741 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

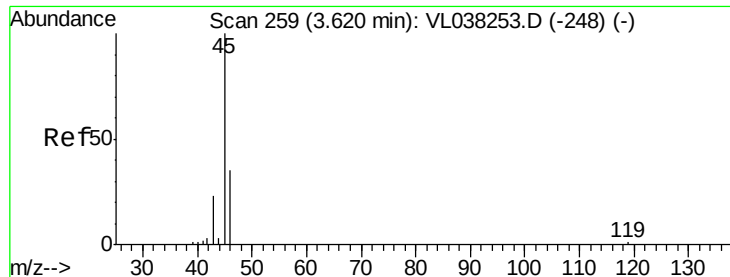
Tgt Ion:101 Resp: 1328822
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.477 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion:101 Resp: 977281
 Ion Ratio Lower Upper
 101 100
 151 70.1 55.3 82.9





#13

Ethanol

Concen: 4.831 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

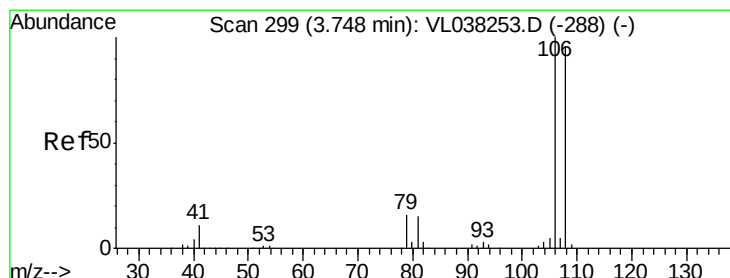
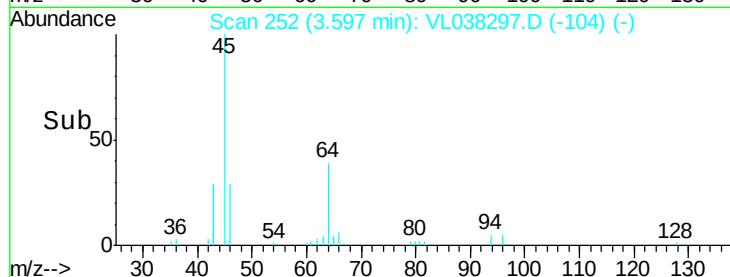
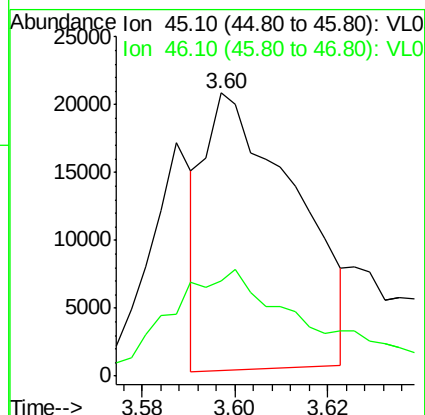
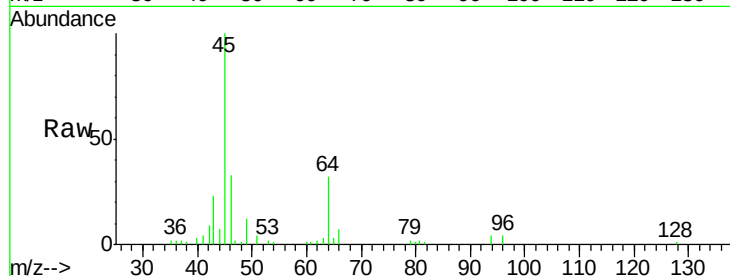
Acq: 27 Jan 2022 14:28 VSTDCCC010

Tgt Ion: 45 Resp: 27647

Ion Ratio Lower Upper

45 100

46 77.4 15.4 61.6#



#14

Bromoethene

Concen: 9.705 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

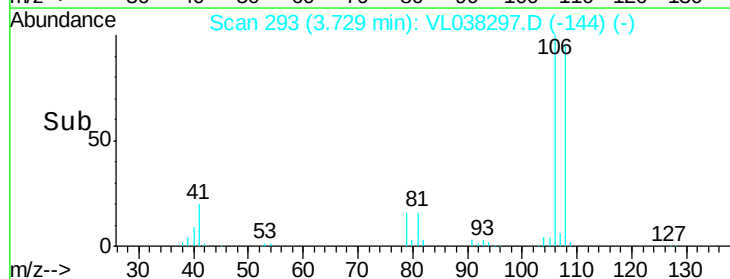
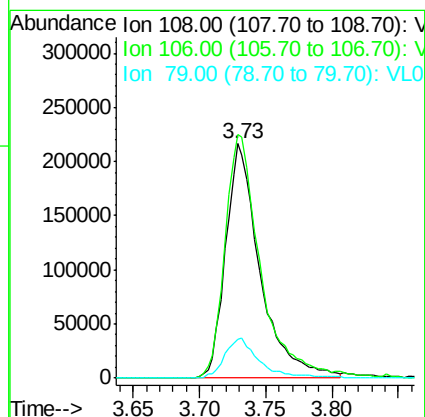
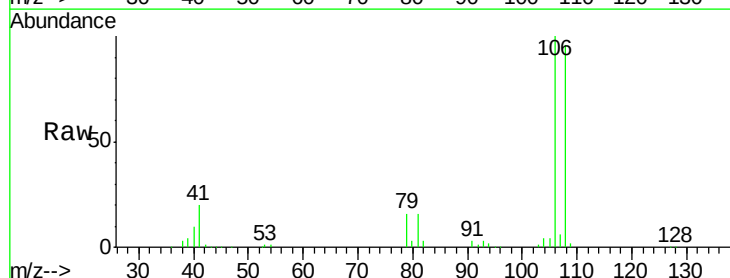
Tgt Ion: 108 Resp: 391063

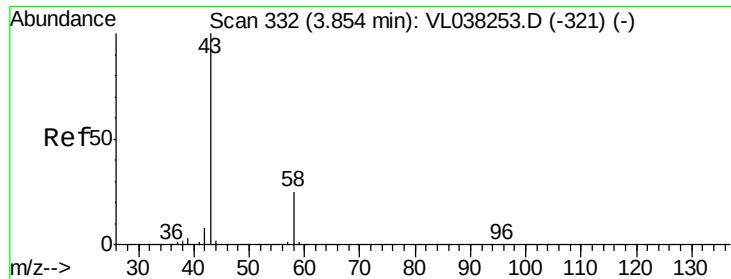
Ion Ratio Lower Upper

108 100

106 109.1 86.4 129.6

79 17.8 14.1 21.1





#15

Acetone

Concen: 8.938 ppbv

RT: 3.84 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

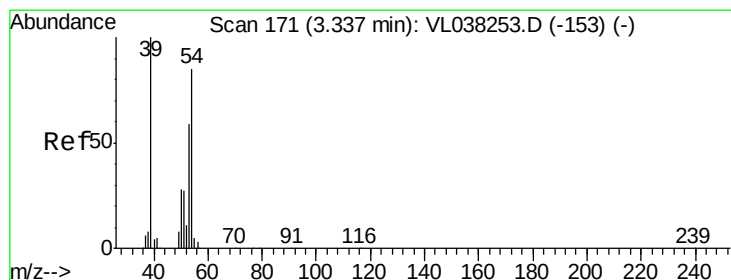
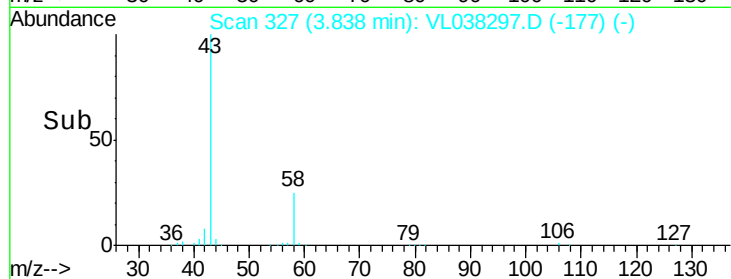
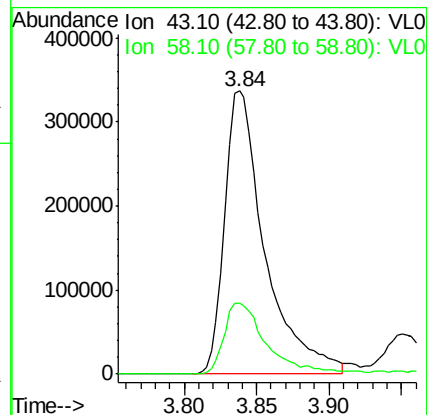
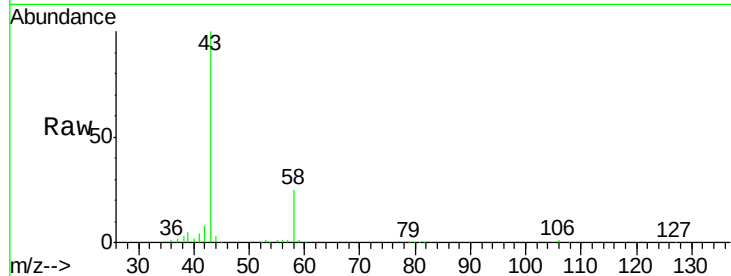
Acq: 27 Jan 2022 14:28

Tgt Ion: 43 Resp: 648121

Ion Ratio Lower Upper

43 100

58 26.8 21.5 32.3



#16

1,3-Butadiene

Concen: 9.877 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.02 min

Lab File: VL038297.D

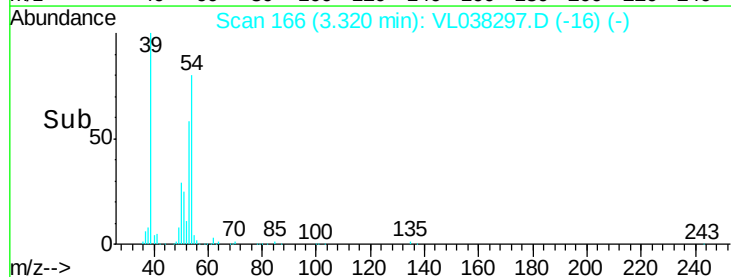
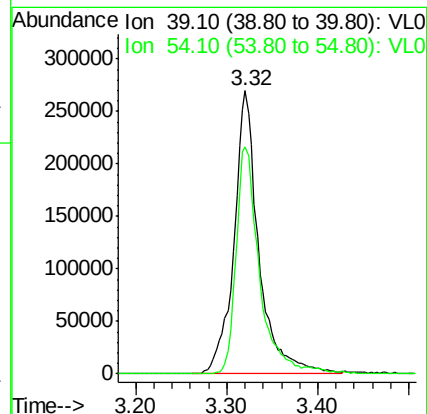
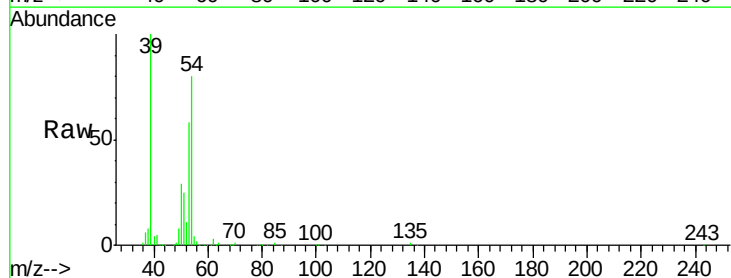
Acq: 27 Jan 2022 14:28

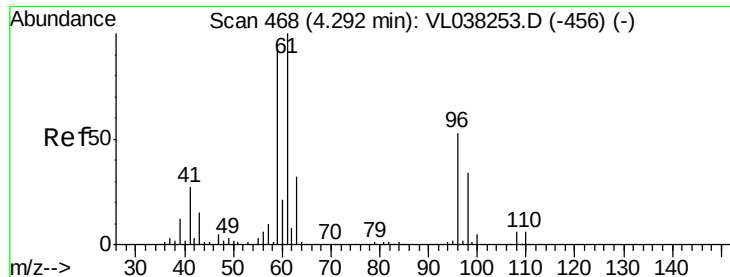
Tgt Ion: 39 Resp: 513957

Ion Ratio Lower Upper

39 100

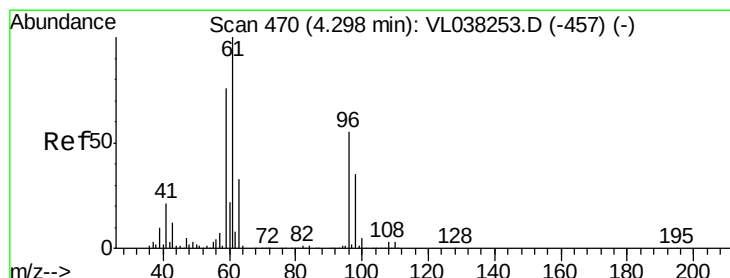
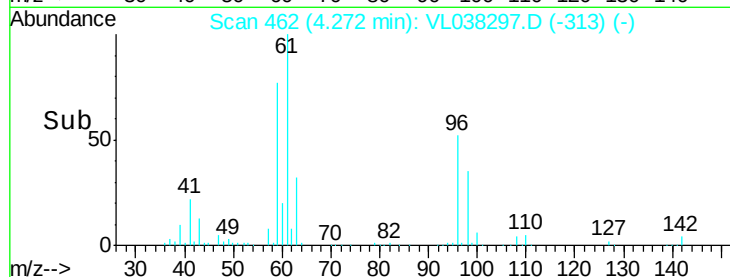
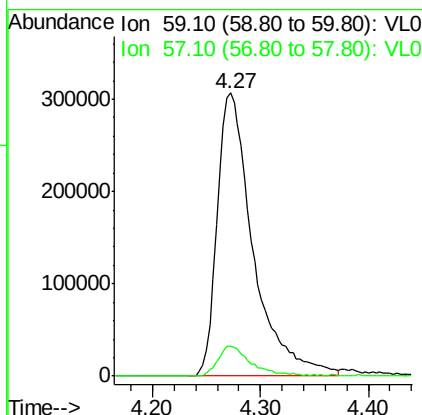
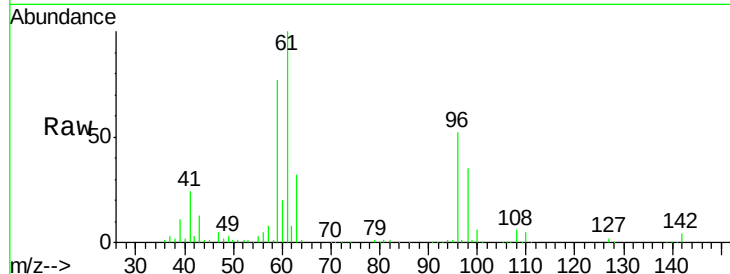
54 76.1 62.6 94.0





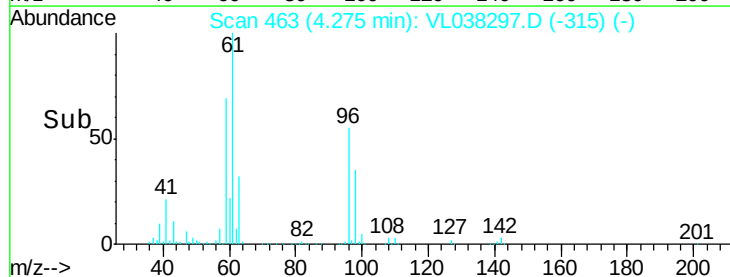
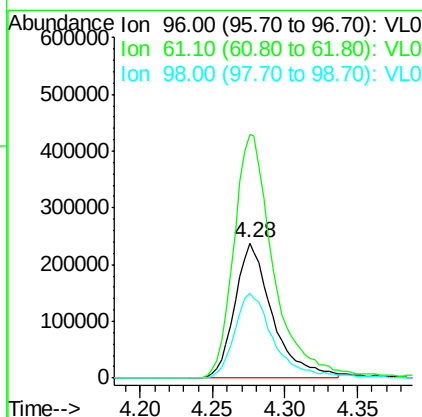
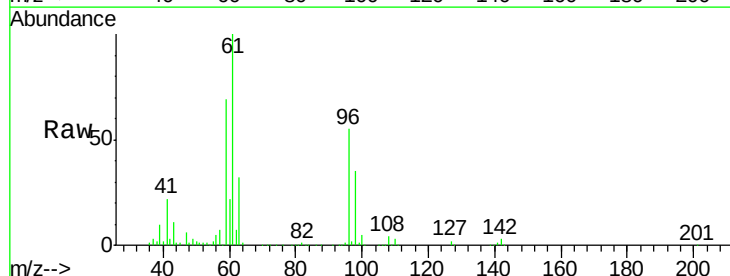
#17
 tert-Butyl alcohol
 Concen: 8.942 ppbv
 RT: 4.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

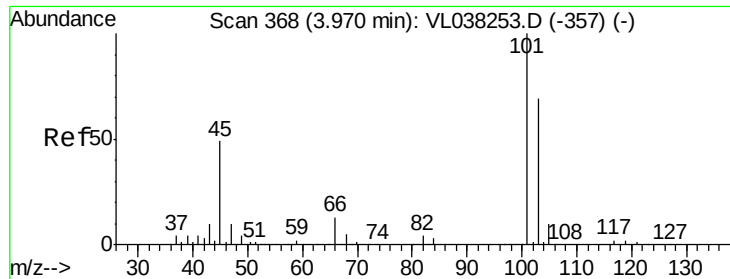
Tgt Ion: 59 Resp: 711672
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 9.553 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 96 Resp: 428371
 Ion Ratio Lower Upper
 96 100
 61 180.4 146.5 219.7
 98 62.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.096 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

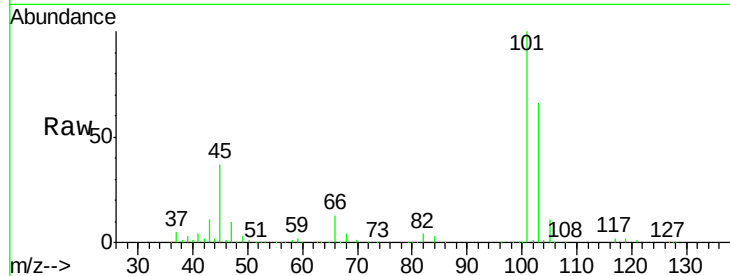
Acq: 27 Jan 2022 14:28

Tgt Ion: 45 Resp: 367257

Ion Ratio Lower Upper

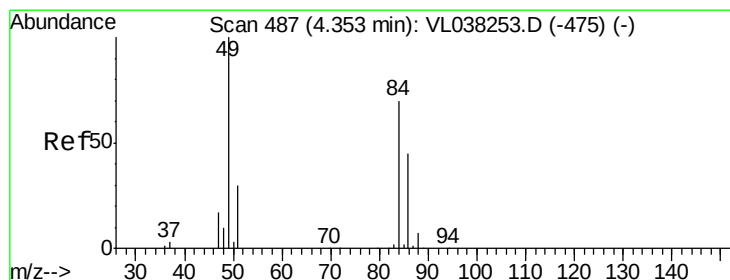
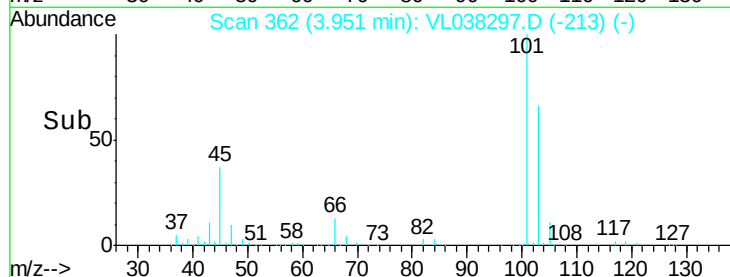
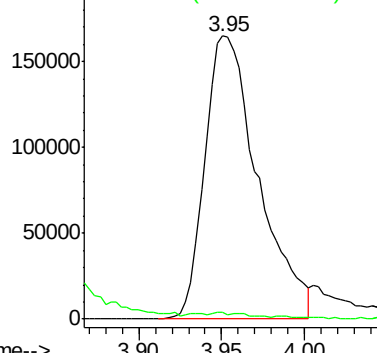
45 100

58 3.6 2.3 3.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.459 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

Tgt Ion: 84 Resp: 356746

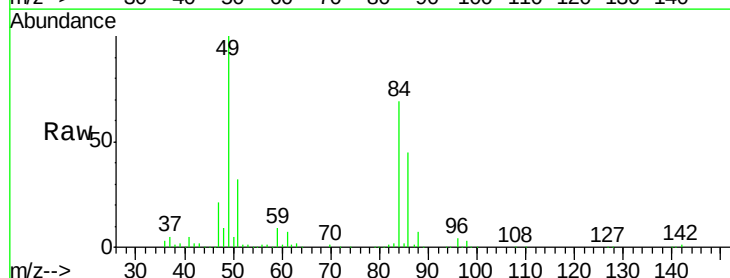
Ion Ratio Lower Upper

84 100

49 143.7 115.0 172.6

51 45.2 35.0 52.6

86 65.2 51.4 77.0

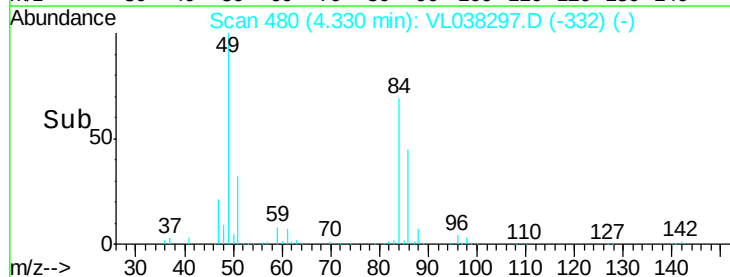
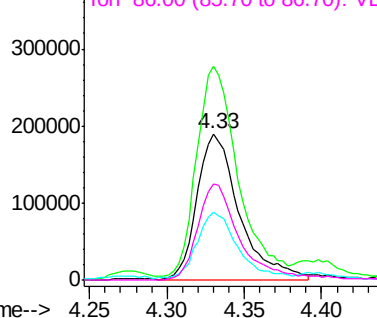


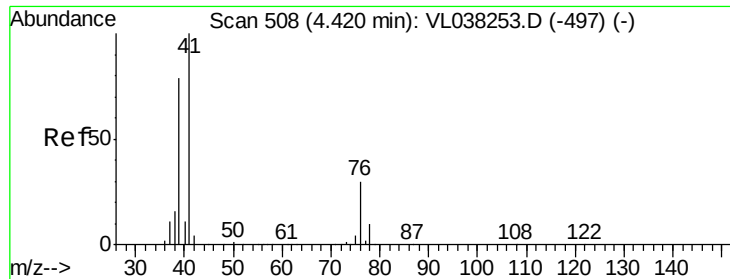
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

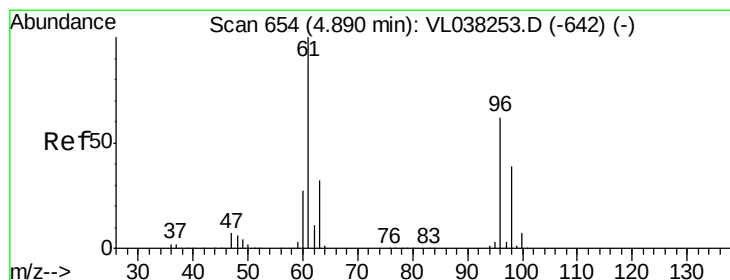
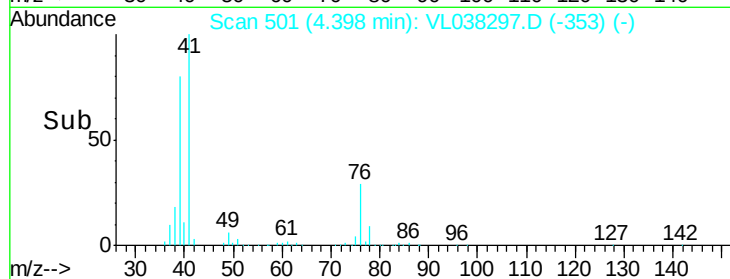
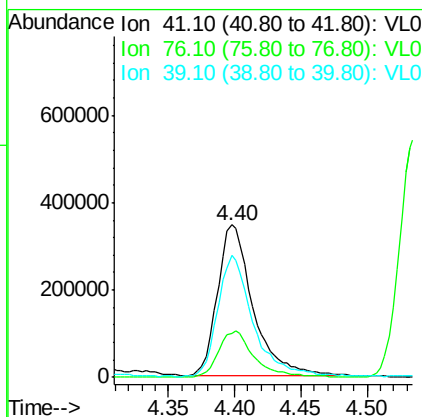
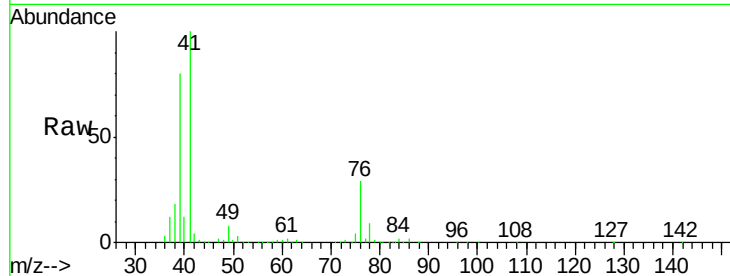
Ion 86.00 (85.70 to 86.70): VL0





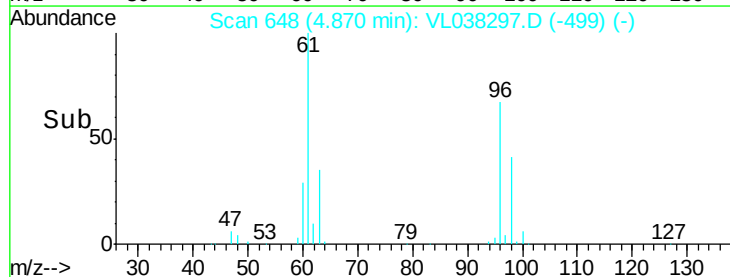
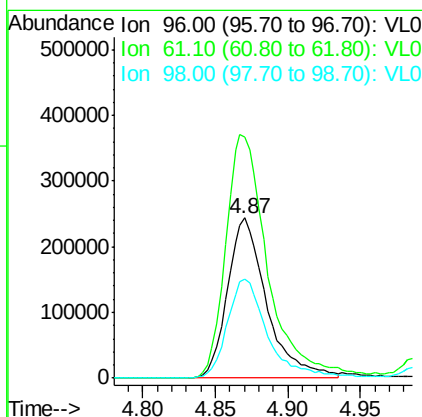
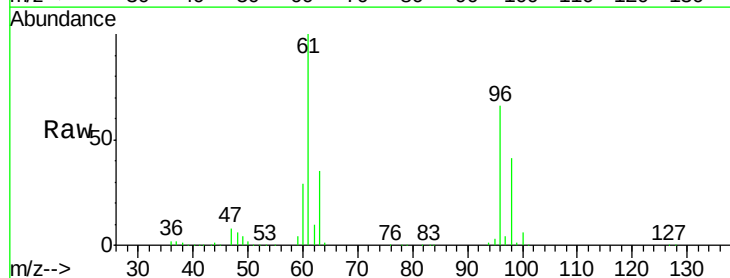
#21
 Allyl Chloride
 Concen: 9.970 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

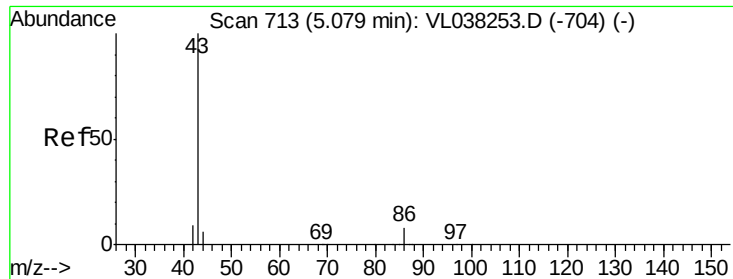
Tgt Ion: 41 Resp: 639638
 Ion Ratio Lower Upper
 41 100
 76 31.1 25.0 37.6
 39 80.7 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.826 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 96 Resp: 455255
 Ion Ratio Lower Upper
 96 100
 61 151.1 128.8 193.2
 98 61.6 49.8 74.8

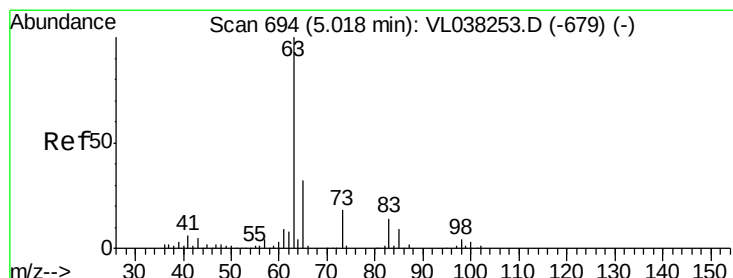
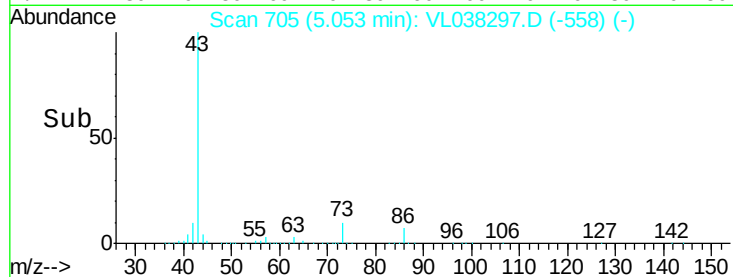
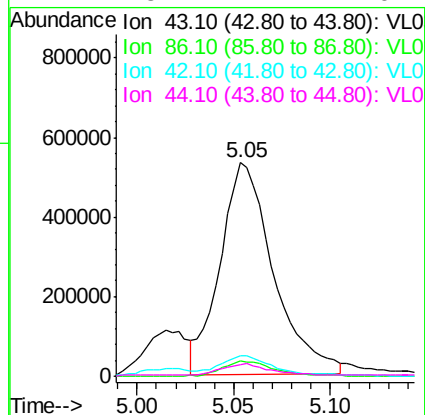
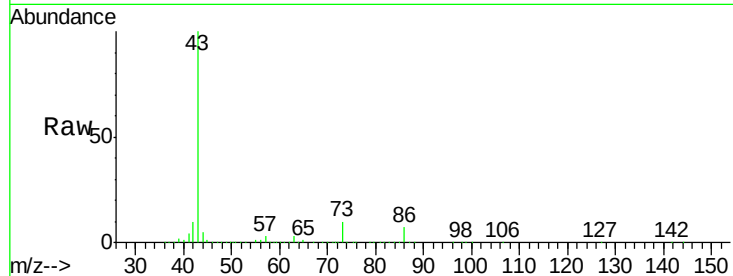




#23
 Vinyl Acetate
 Concen: 9.647 ppbv
 RT: 5.05
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

Tgt Ion: 43 Resp: 1017060

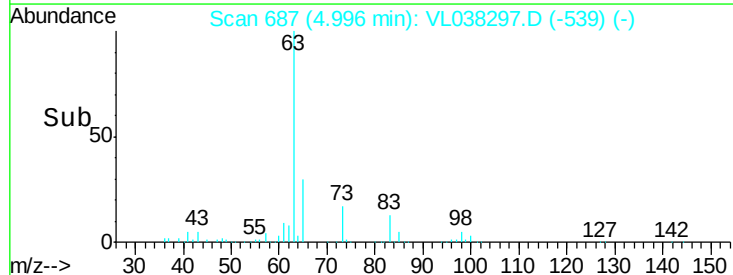
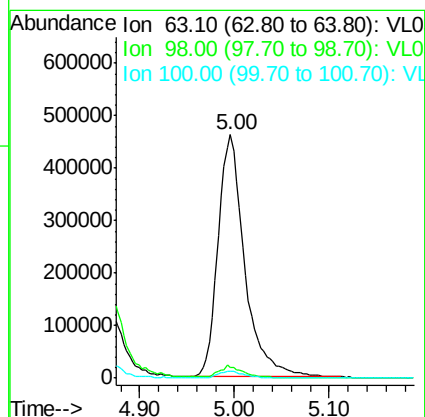
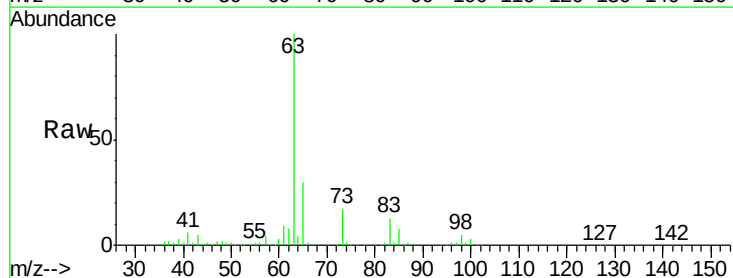
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.7	8.5
42	9.5	7.7	11.5
44	5.1	4.2	6.4

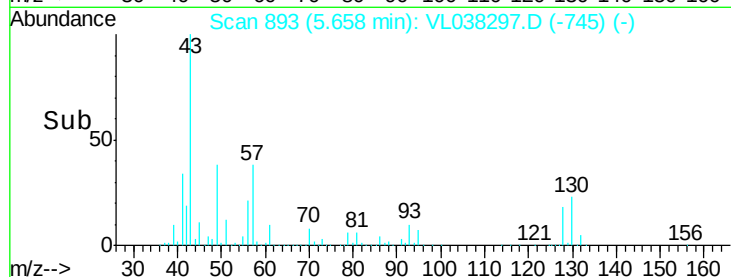
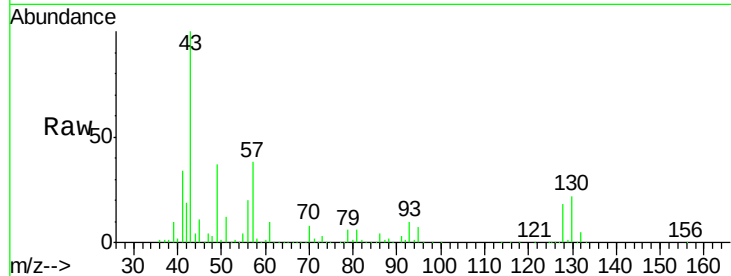
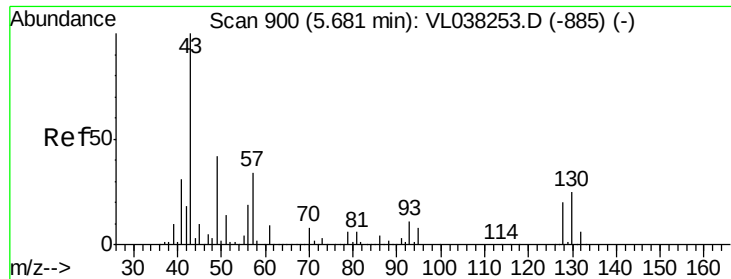


#24
 1,1-Dichloroethane
 Concen: 9.643 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 63 Resp: 905689

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.9	1.3	3.9

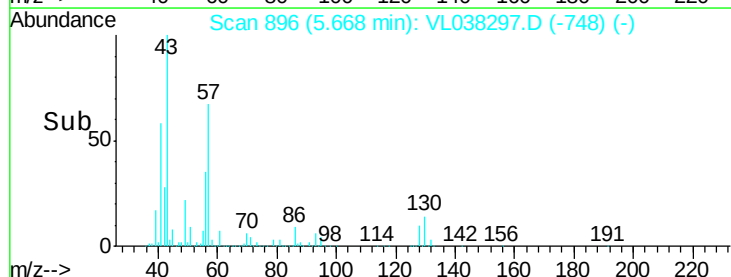
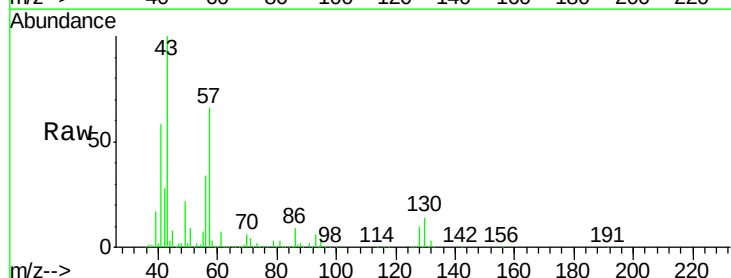
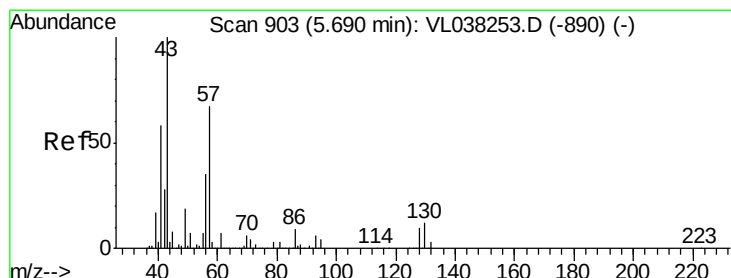
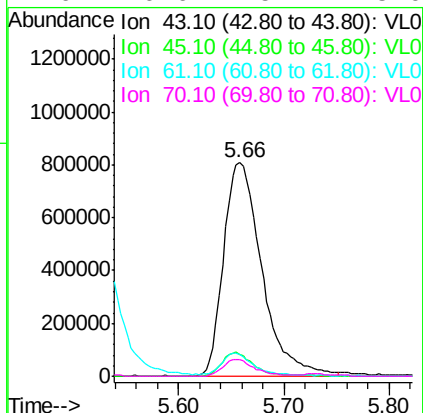




#25
Ethyl Acetate
Concen: 9.978 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 27 Jan 2022 14:28

Tgt Ion: 43 Resp: 2025792

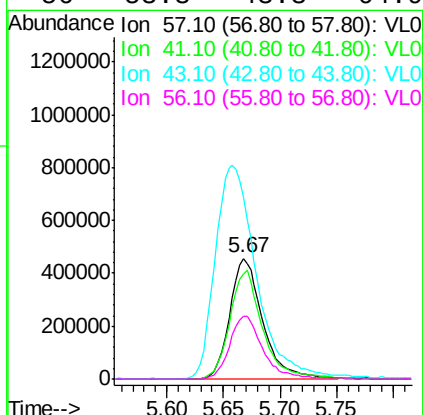
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.7	7.8	11.8
70	6.6	5.4	8.0

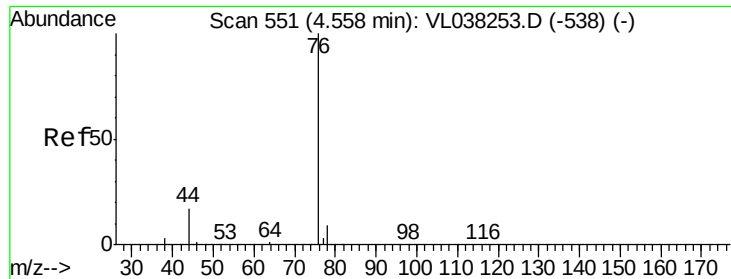


#26
Hexane
Concen: 9.827 ppbv
RT: 5.67 min Scan# 896
Delta R.T.: -0.02 min
Lab File: VL038297.D
Acq: 27 Jan 2022 14:28

Tgt Ion: 57 Resp: 928000

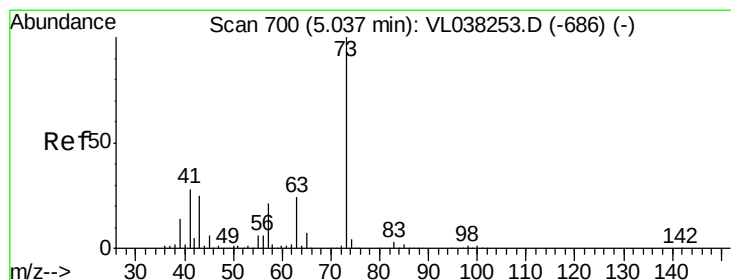
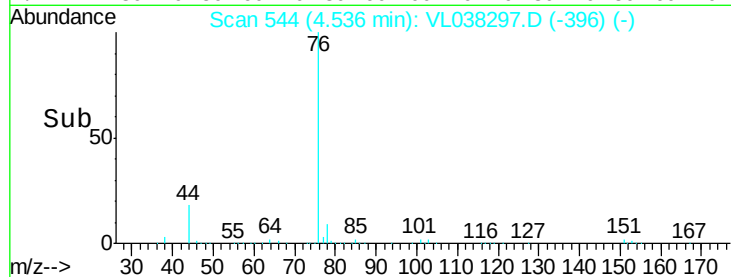
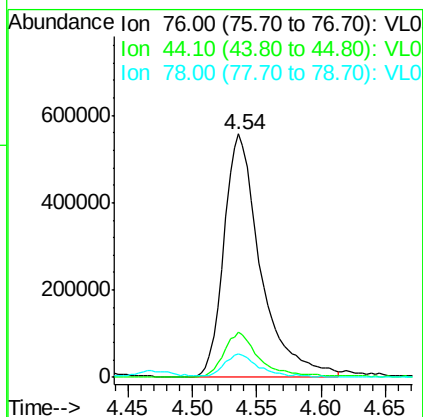
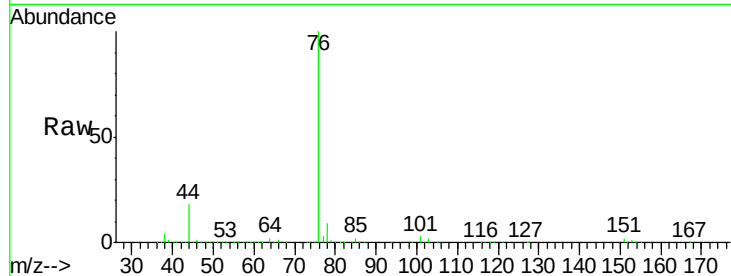
Ion	Ratio	Lower	Upper
57	100		
41	90.6	72.8	109.2
43	221.5	177.0	265.6
56	53.3	43.3	64.9





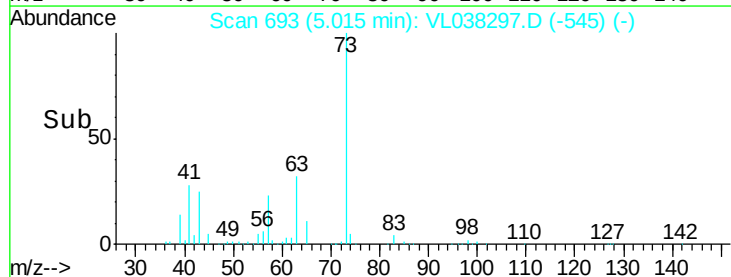
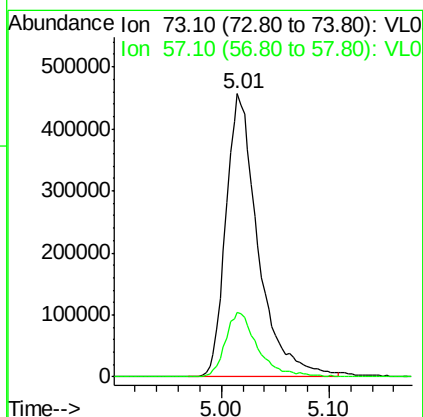
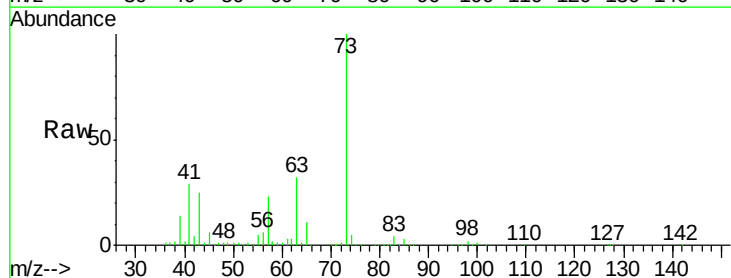
#27
 Carbon Disulfide
 Concen: 9.885 ppbv
 RT: 4.54 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: VSTDCCC010
 Acq: 27 Jan 2022 14:28

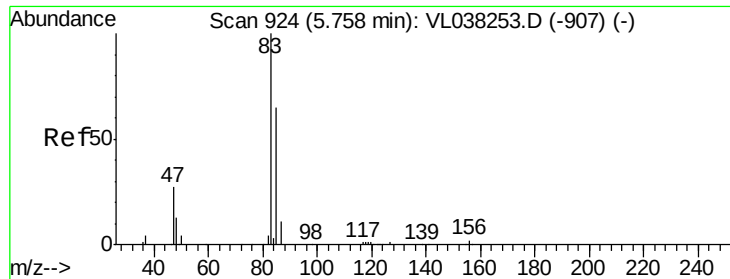
Tgt Ion: 76 Resp: 1092077
 Ion Ratio Lower Upper
 76 100
 44 18.1 14.8 22.2
 78 9.6 7.9 11.9



#28
 Methyl tert-Butyl Ether
 Concen: 9.698 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 73 Resp: 950048
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.2 27.4





#29

Chloroform

Concen: 9.753 ppbv

RT: 5.73 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

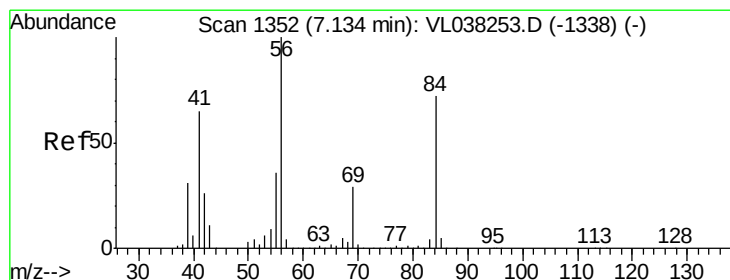
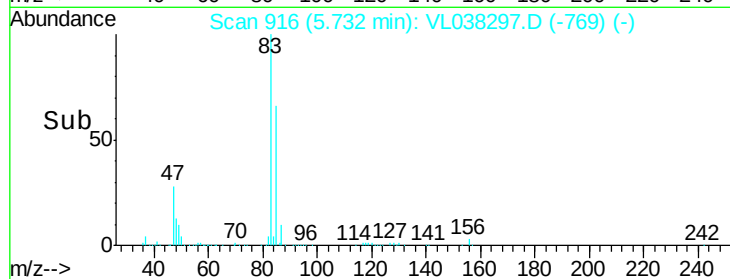
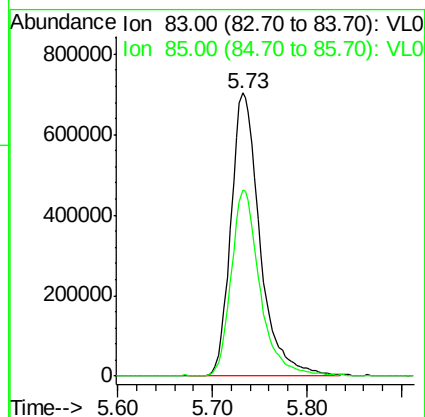
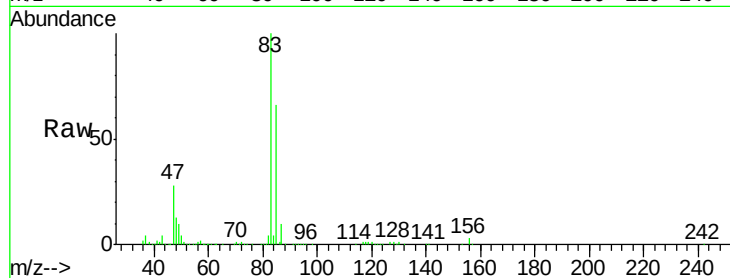
Acq: 27 Jan 2022 14:28 VSTDCCC010

Tgt Ion: 83 Resp: 1503374

Ion Ratio Lower Upper

83 100

85 65.6 51.9 77.9



#30

Cyclohexane

Concen: 9.417 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.03 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

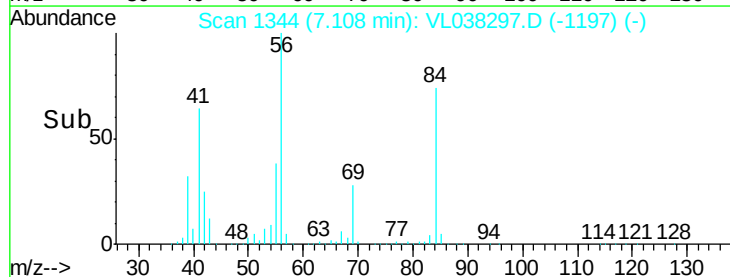
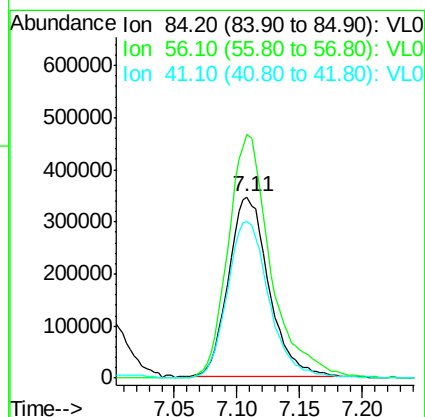
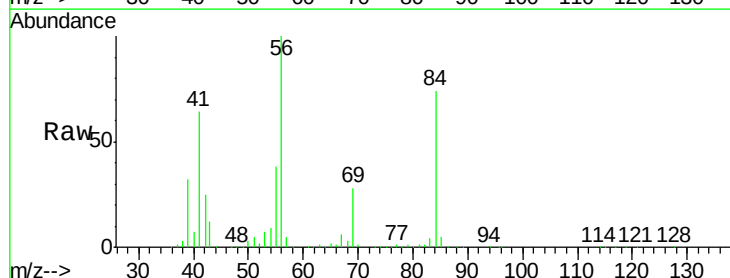
Tgt Ion: 84 Resp: 774260

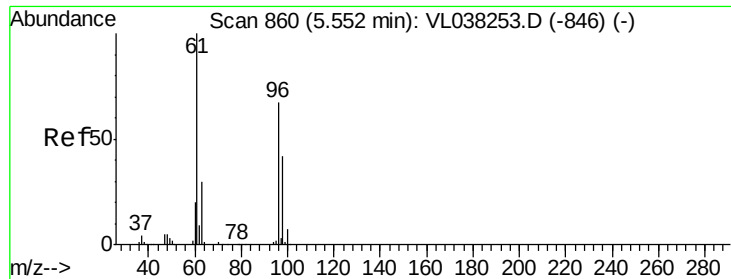
Ion Ratio Lower Upper

84 100

56 143.1 112.7 169.1

41 90.5 71.1 106.7





#31

cis-1,2-Dichloroethene

Concen: 11.212 ppbv

RT: 5.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 14:28 VSTDCCC010

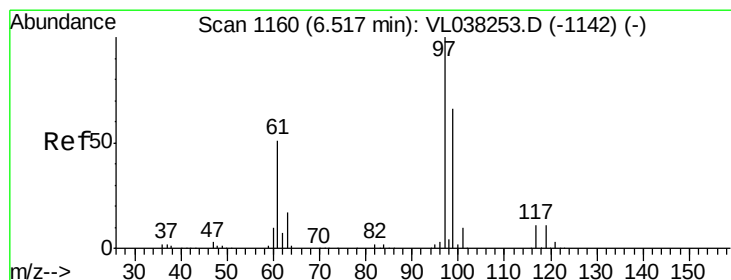
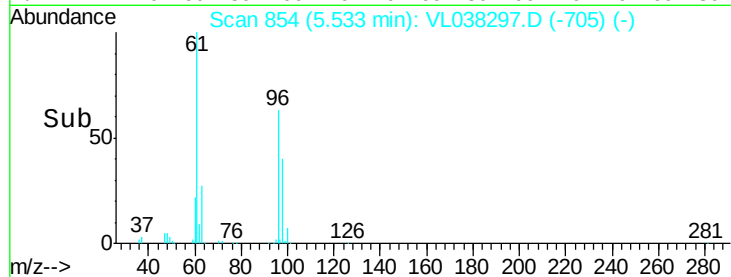
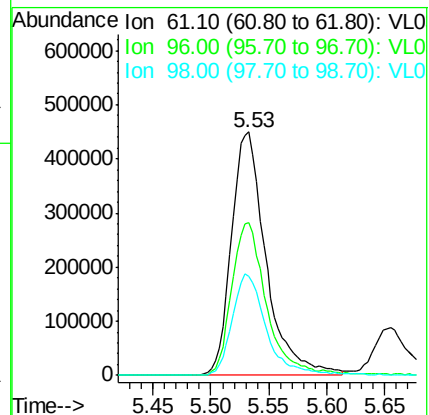
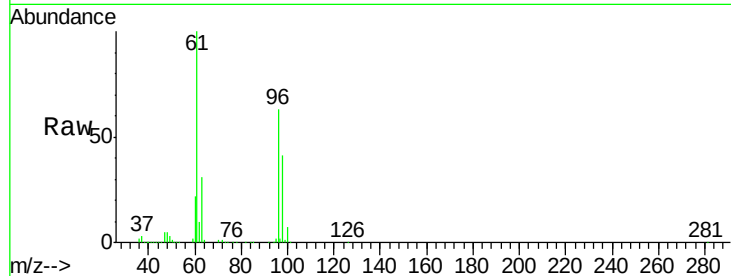
Tgt Ion: 61 Resp: 923600

Ion Ratio Lower Upper

61 100

96 62.7 53.3 79.9

98 40.5 33.7 50.5



#32

1,1,1-Trichloroethane

Concen: 9.670 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.03 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

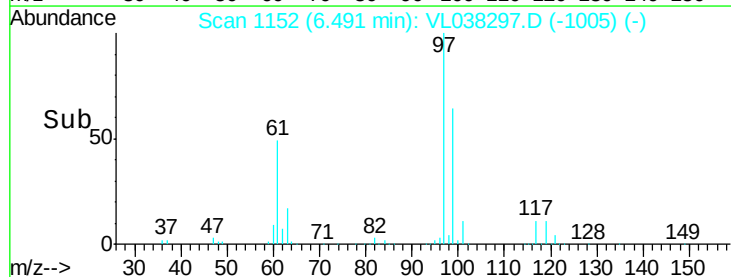
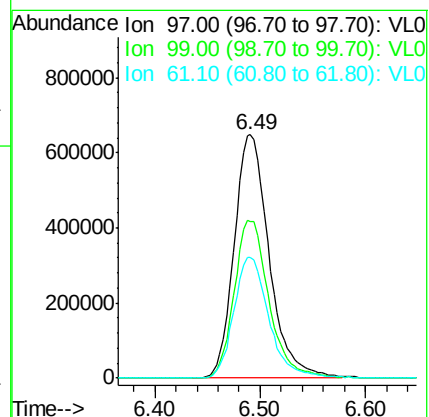
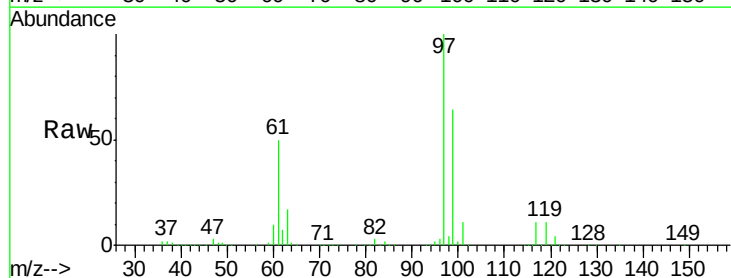
Tgt Ion: 97 Resp: 1488719

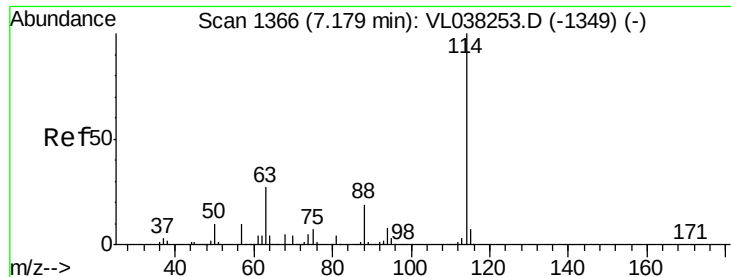
Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

61 50.2 40.5 60.7

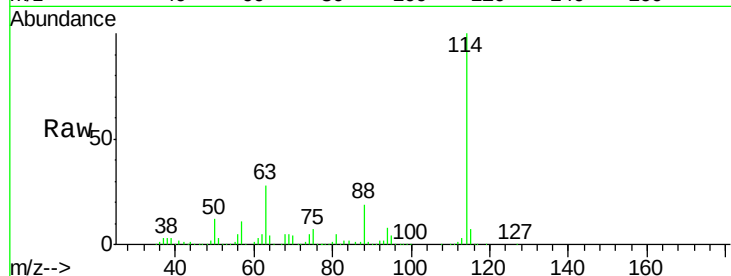




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

Tgt Ion: 114 Resp: 2175991

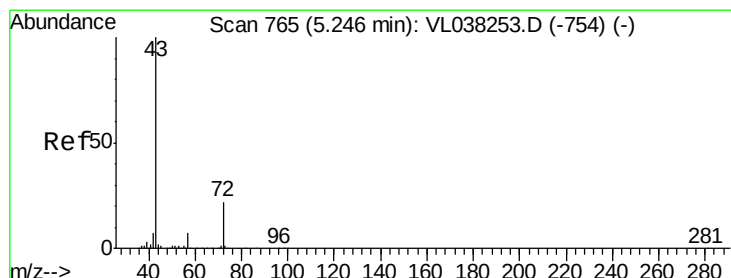
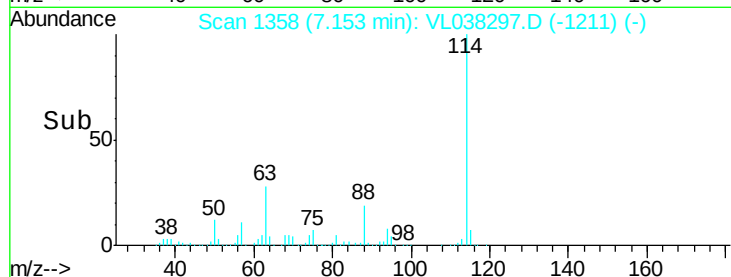
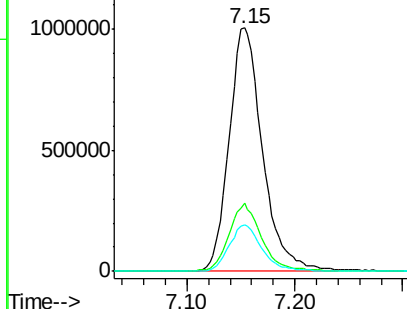
Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.0	33.0
88	18.8	15.0	22.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

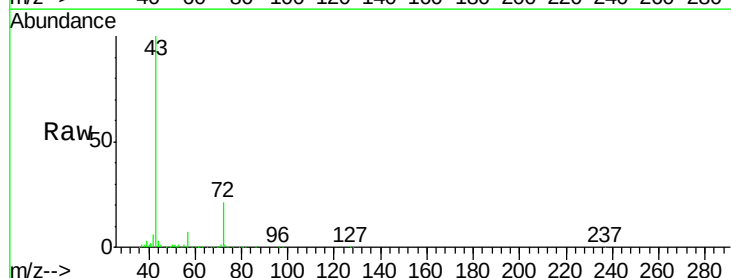
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 9.837 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

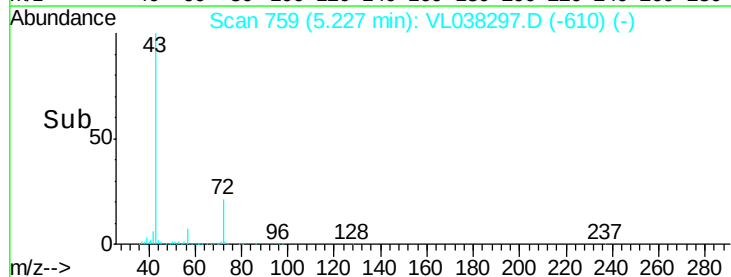
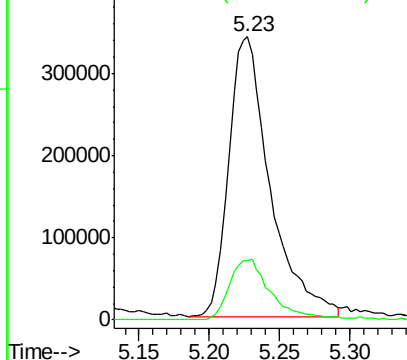
Tgt Ion: 43 Resp: 700019

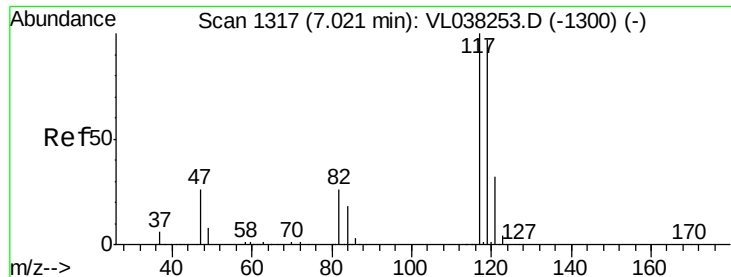
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.180 ppbv

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 14:28 VSTDCCC010

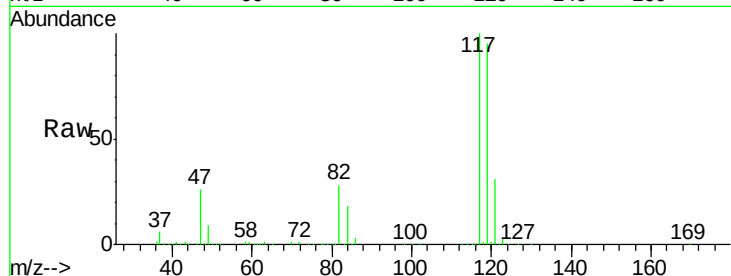
Tgt Ion: 117 Resp: 1554855

Ion Ratio Lower Upper

117 100

119 95.1 77.9 116.9

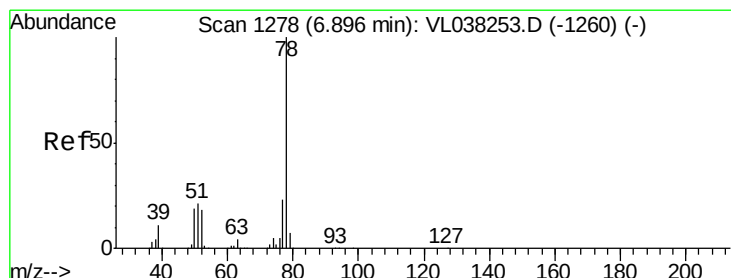
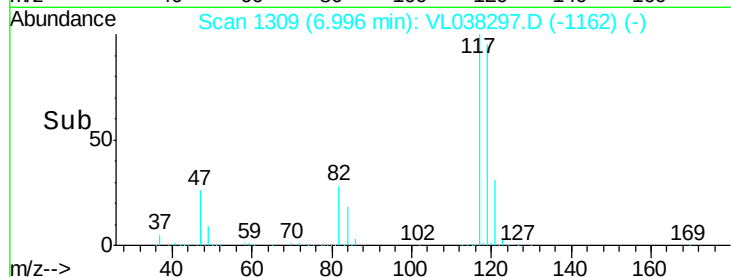
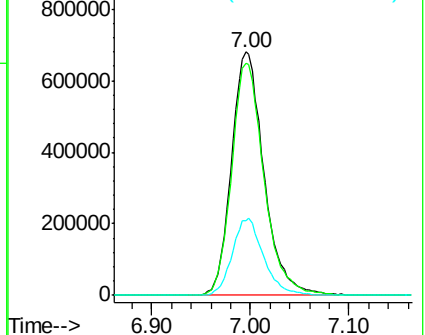
121 30.9 25.4 38.2



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: 10.096 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

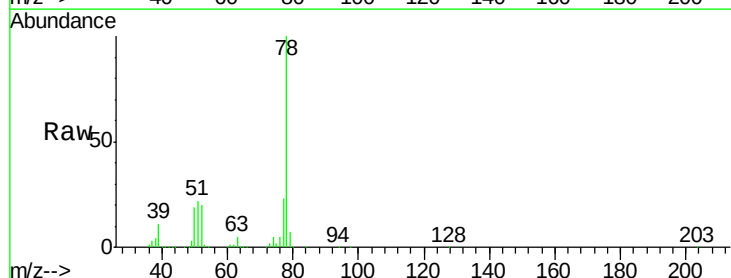
Tgt Ion: 78 Resp: 1943250

Ion Ratio Lower Upper

78 100

77 22.6 18.2 27.2

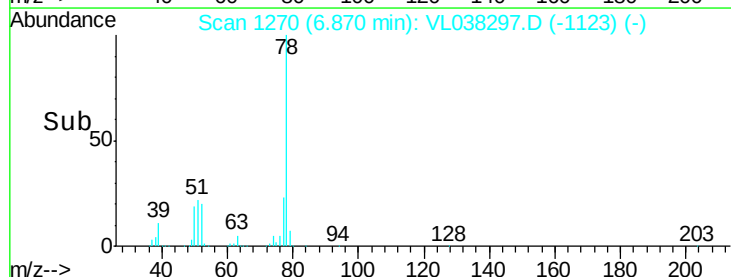
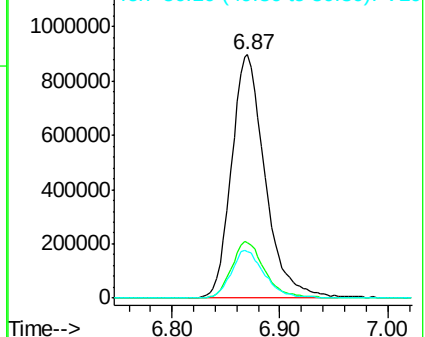
50 19.4 15.1 22.7

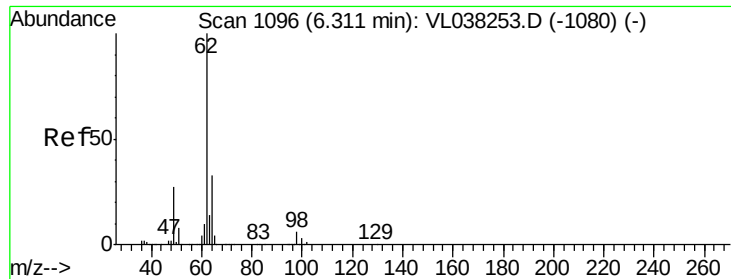


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

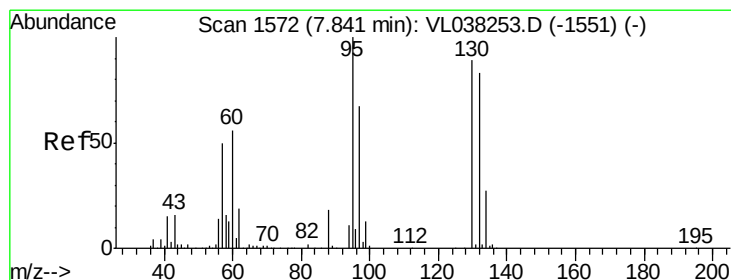
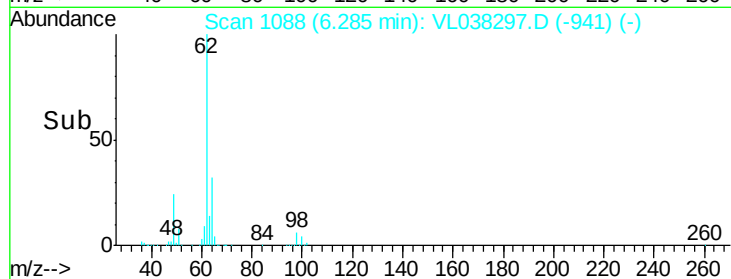
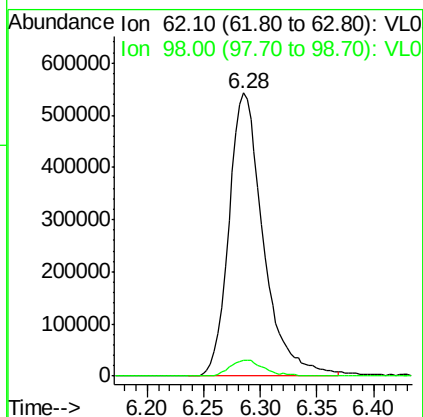
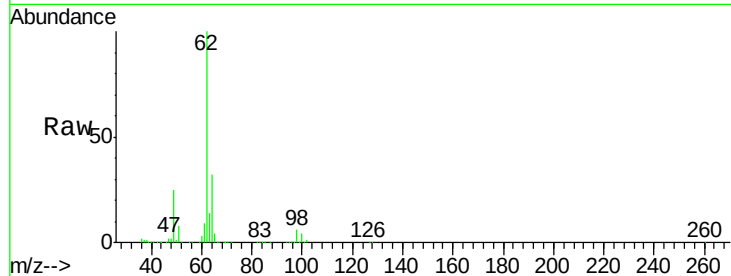
Ion 50.10 (49.80 to 50.80): VL0





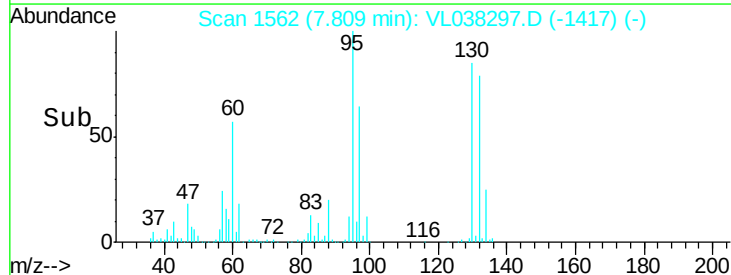
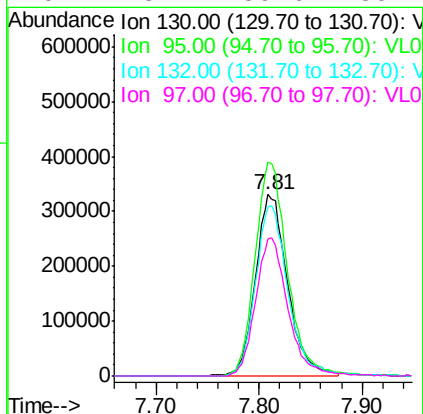
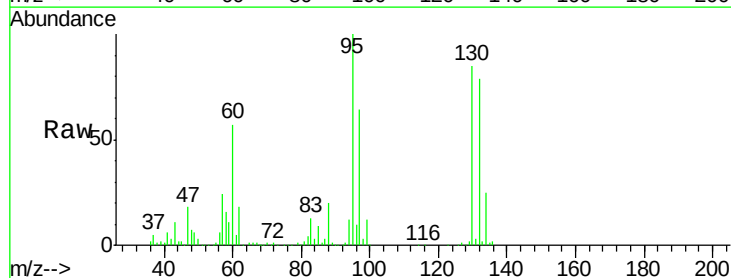
#37
 1,2-Dichloroethane
 Concen: 10.426 ppbv
 RT: 6.28
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

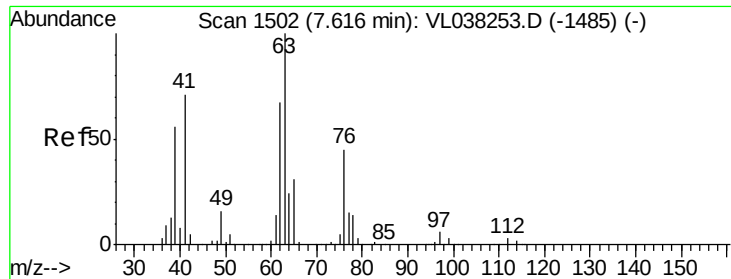
Tgt Ion: 62 Resp: 1149477
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 9.904 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T.: -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

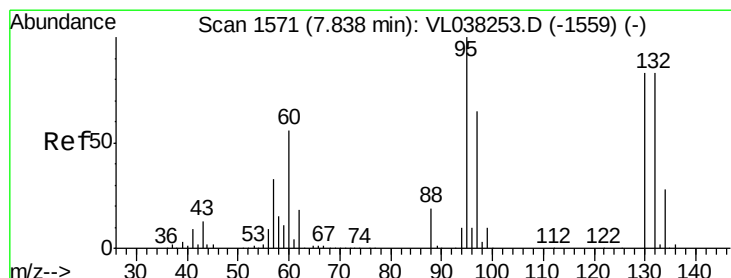
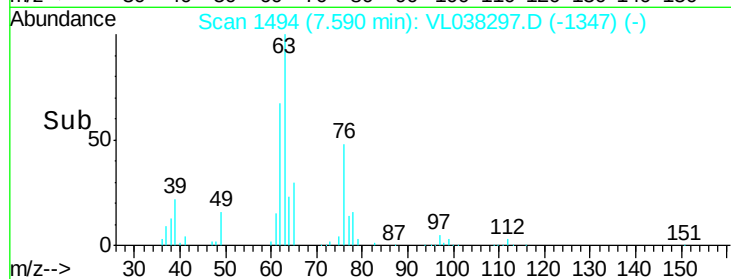
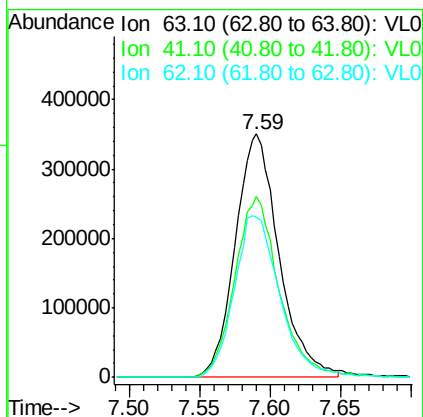
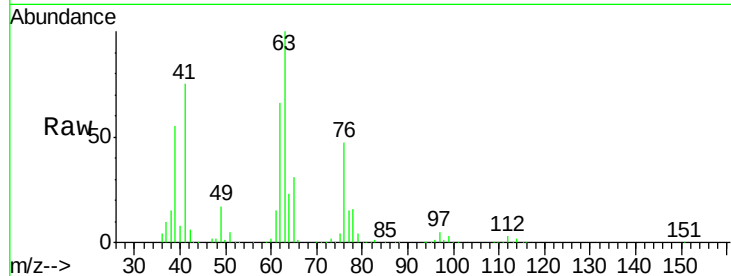
Tgt Ion: 130 Resp: 710101
 Ion Ratio Lower Upper
 130 100
 95 117.7 89.4 134.2
 132 93.2 74.6 111.8
 97 75.4 59.6 89.4





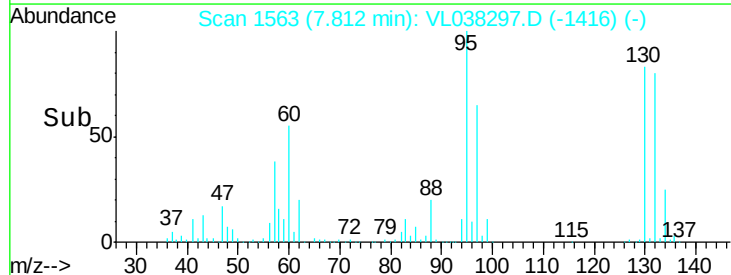
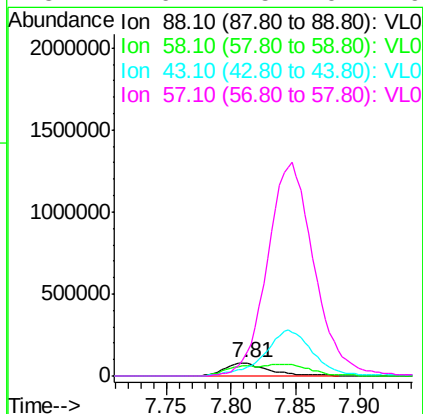
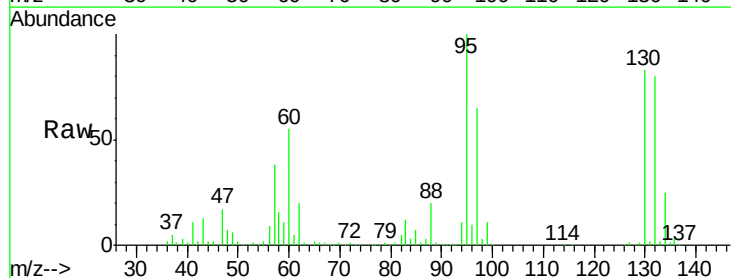
#39
 1,2-Dichloropropane
 Concen: 9.714 ppbv
 RT: 7.59
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

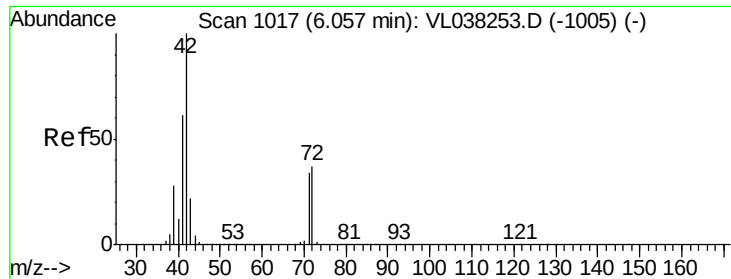
Tgt Ion: 63 Resp: 758054
 Ion Ratio Lower Upper
 63 100
 41 74.4 56.6 85.0
 62 65.7 53.9 80.9



#40
 1,4-Dioxane
 Concen: 10.085 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

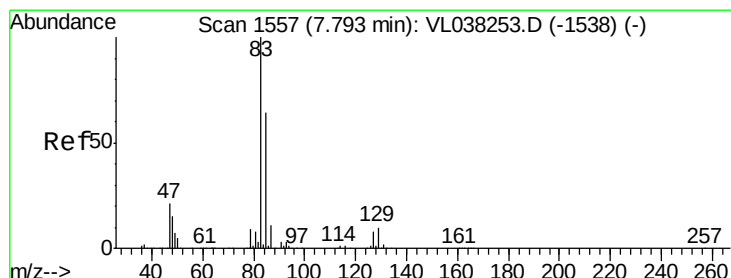
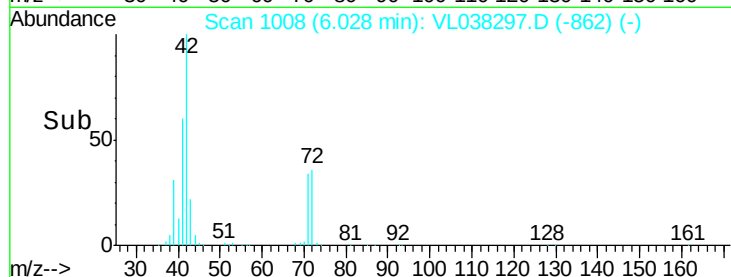
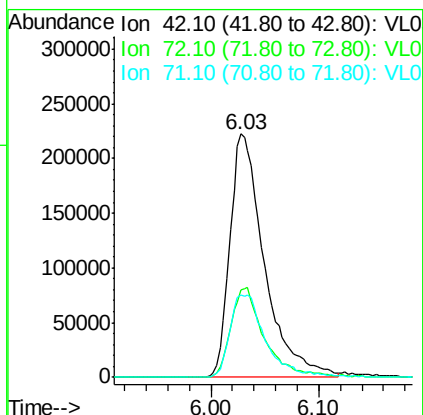
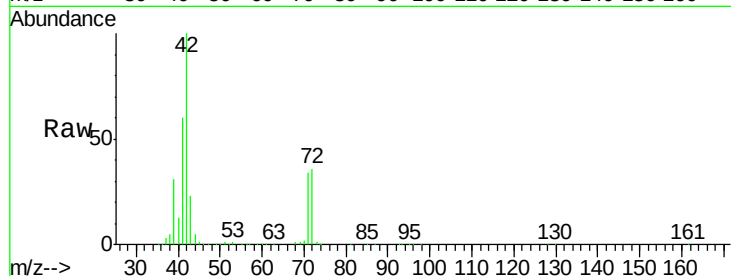
Tgt Ion: 88 Resp: 189409
 Ion Ratio Lower Upper
 88 100
 58 157.9 138.6 208.0
 43 399.2 346.9 520.3
 57 1740.7 1527.9 2291.9





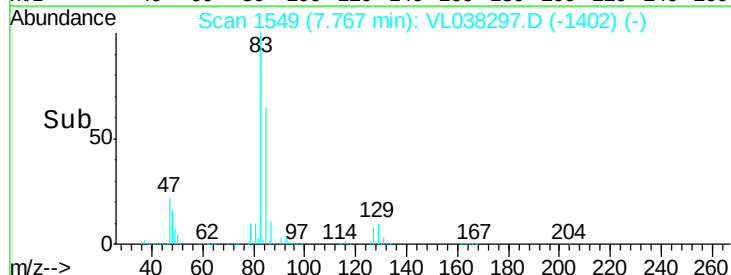
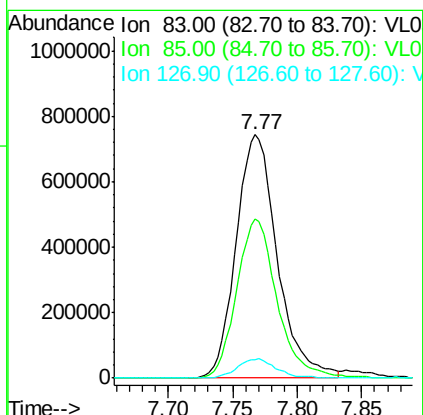
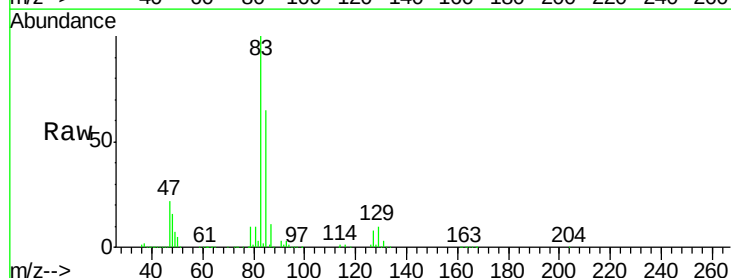
#41
Tetrahydrofuran
Concen: 10.370 ppbv
RT: 6.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 27 Jan 2022 14:28

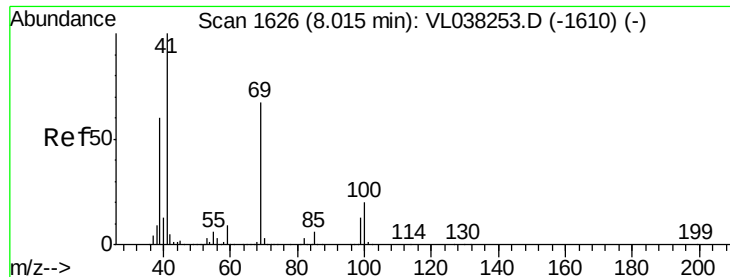
Tgt Ion: 42 Resp: 496040
Ion Ratio Lower Upper
42 100
72 36.5 29.7 44.5
71 35.7 29.4 44.2



#42
Bromodichloromethane
Concen: 10.097 ppbv
RT: 7.77 min Scan# 1549
Delta R.T.: -0.03 min
Lab File: VL038297.D
Acq: 27 Jan 2022 14:28

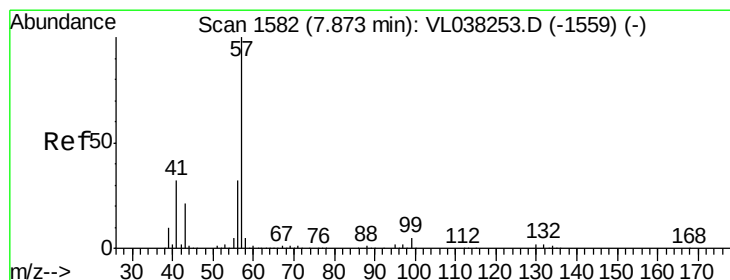
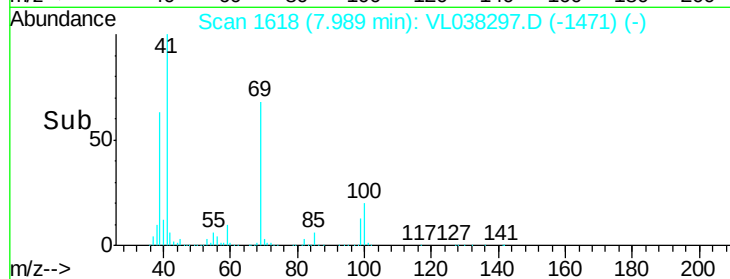
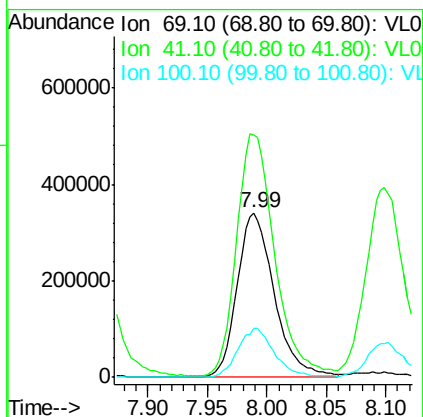
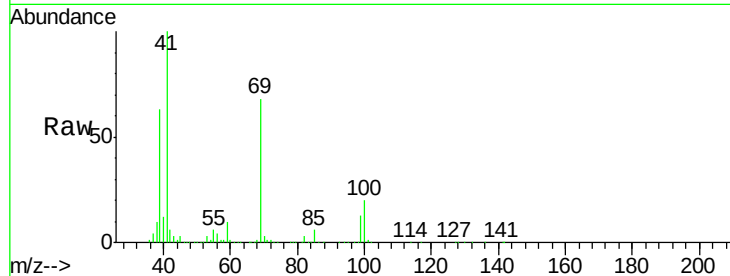
Tgt Ion: 83 Resp: 1651487
Ion Ratio Lower Upper
83 100
85 65.2 51.5 77.3
127 7.7 6.2 9.4





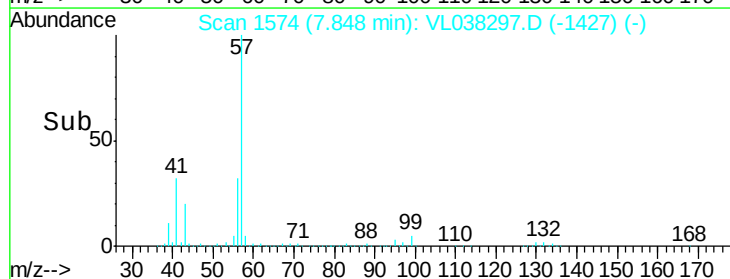
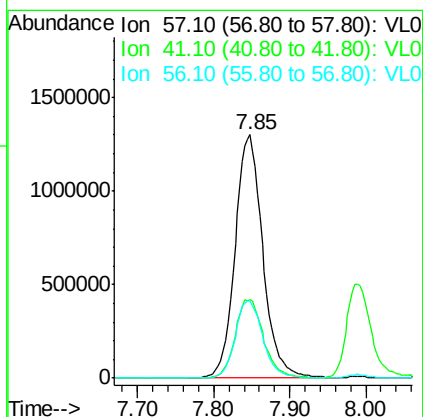
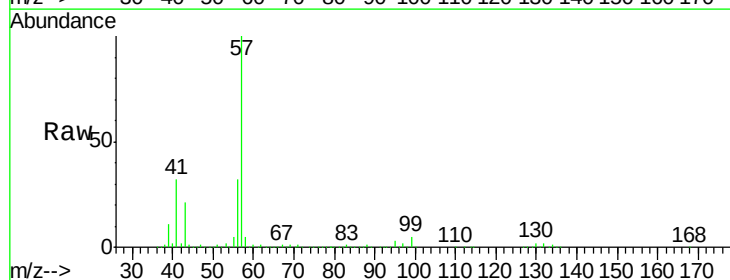
#43
Methyl Methacrylate
Concen: 10.835 ppbv
RT: 7.99
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 27 Jan 2022 14:28

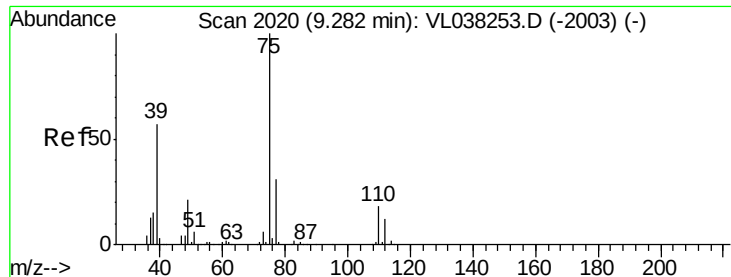
Tgt Ion: 69 Resp: 737640
Ion Ratio Lower Upper
69 100
41 153.1 120.9 181.3
100 29.4 23.4 35.0



#44
2,2,4-Trimethylpentane
Concen: 9.724 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL038297.D
Acq: 27 Jan 2022 14:28

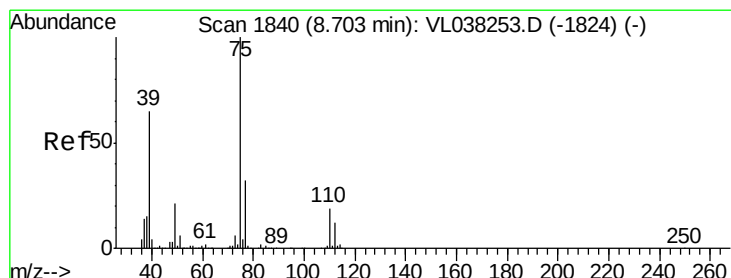
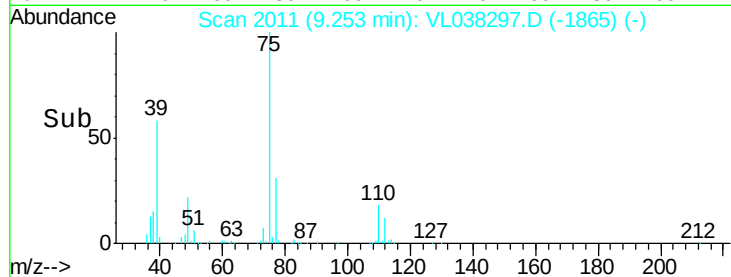
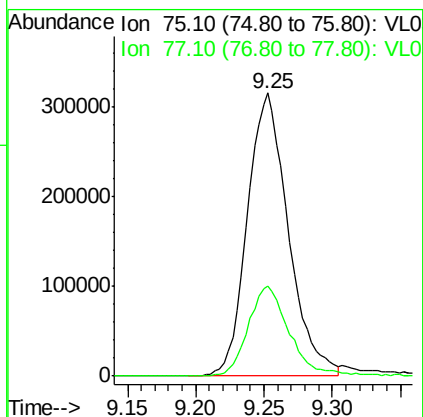
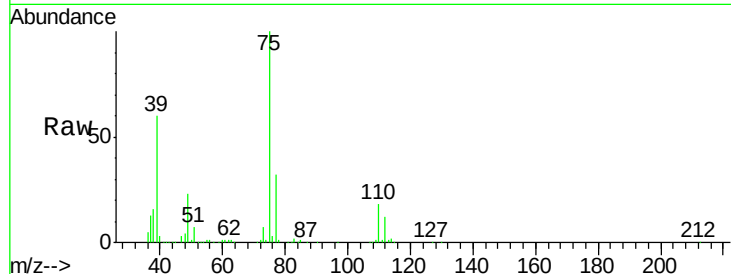
Tgt Ion: 57 Resp: 3298232
Ion Ratio Lower Upper
57 100
41 33.3 26.3 39.5
56 31.7 25.2 37.8





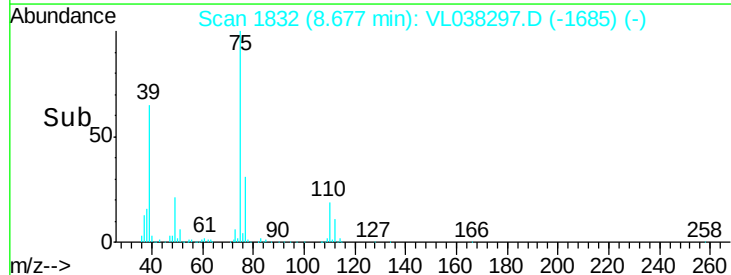
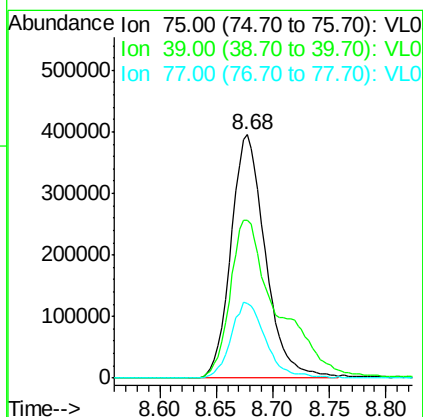
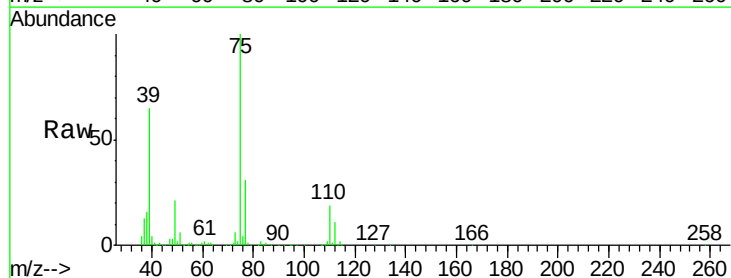
#45
 t-1,3-Dichloropropene
 Concen: 11.878 ppbv
 RT: 9.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

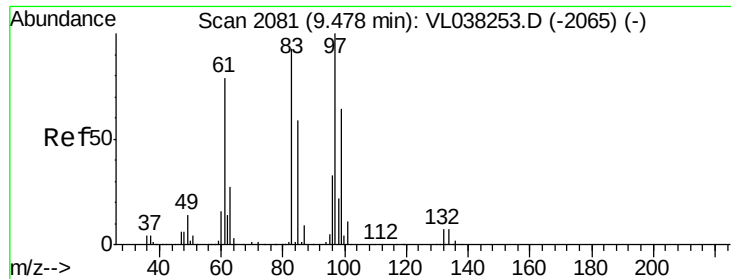
Tgt Ion: 75 Resp: 657033
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.9 37.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.363 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

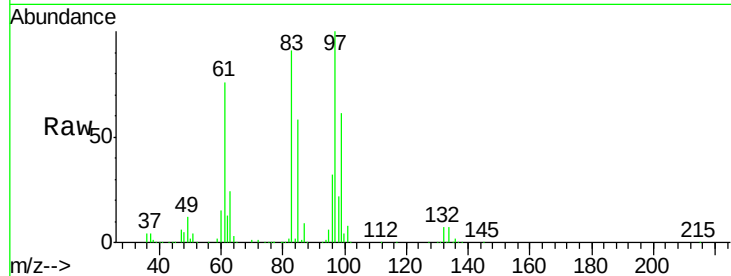
Tgt Ion: 75 Resp: 838598
 Ion Ratio Lower Upper
 75 100
 39 64.9 52.3 78.5
 77 30.7 25.4 38.0



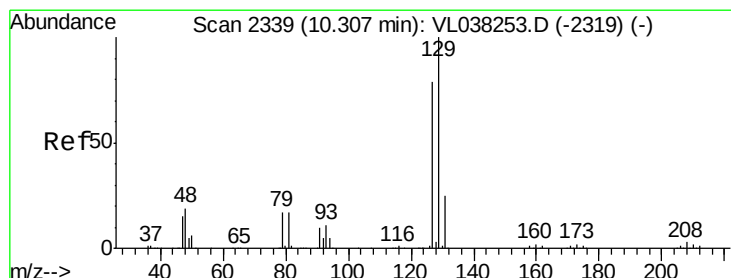
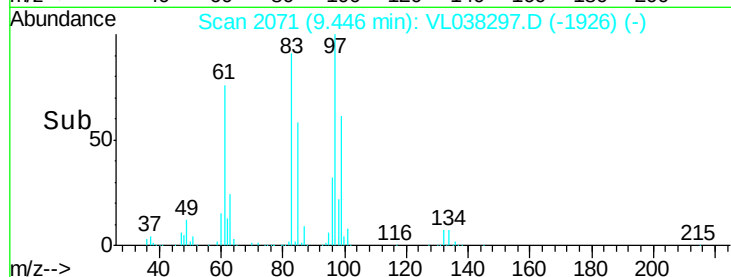
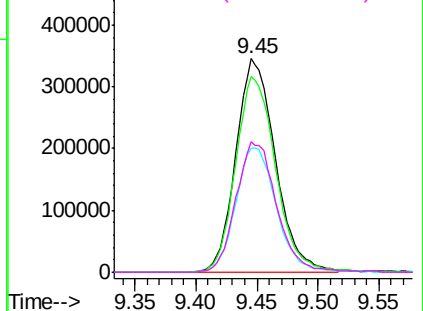


#47
 1,1,2-Trichloroethane
 Concen: 10.096 ppbv
 RT: 9.45 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

Tgt Ion:	97	Resp:	774150
Ion	Ratio	Lower	Upper
97	100		
83	91.4	74.3	111.5
85	58.1	47.5	71.3
99	61.3	51.1	76.7

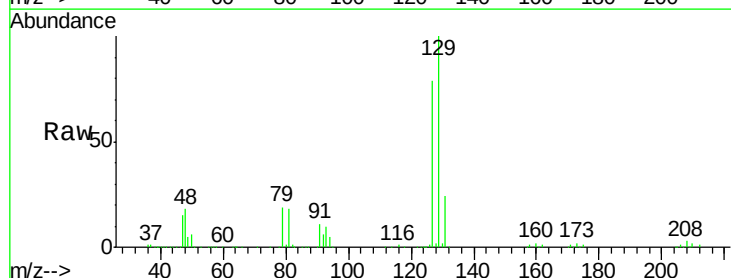


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

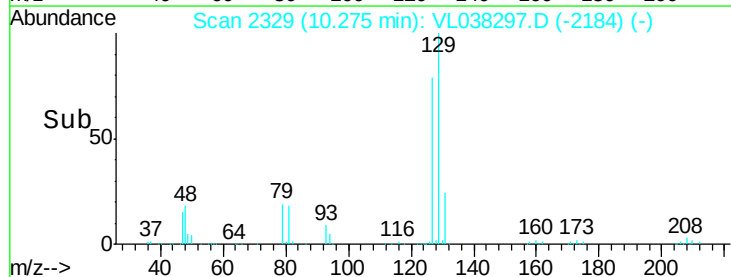
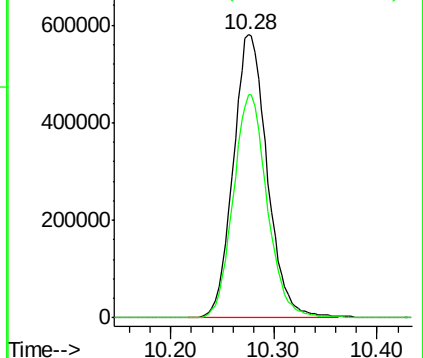


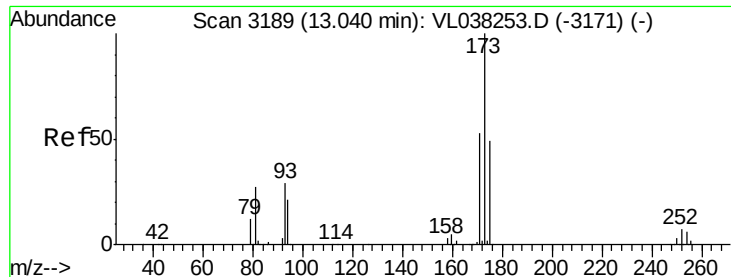
#48
 Dibromochloromethane
 Concen: 10.322 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T.: -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion:	129	Resp:	1332503
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.323 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jan 2022 14:28

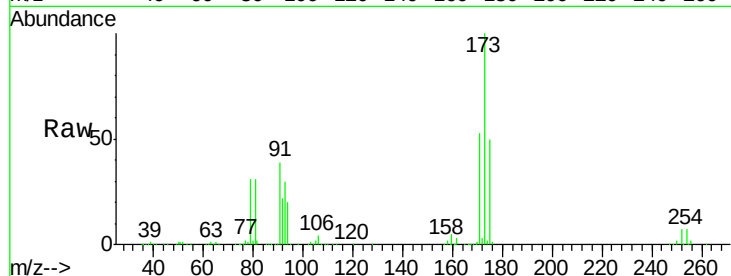
Tgt Ion: 173 Resp: 960667

Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

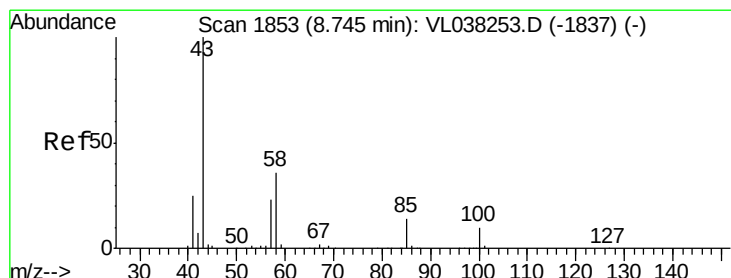
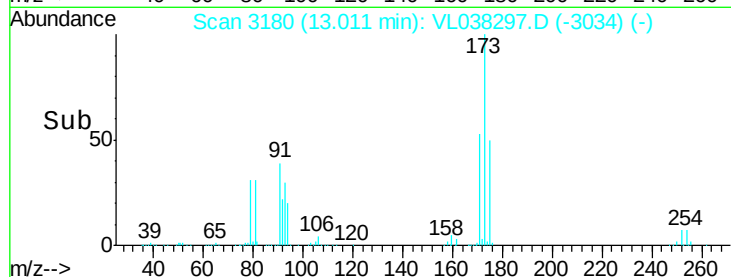
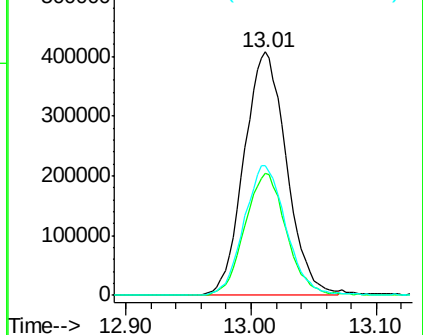
171 53.1 42.1 63.1



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: 10.493 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.03 min

Lab File: VL038297.D

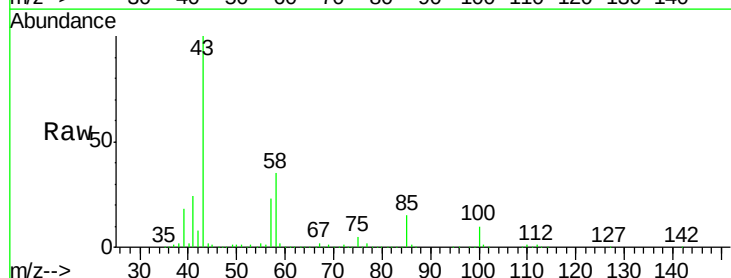
Acq: 27 Jan 2022 14:28

Tgt Ion: 43 Resp: 1331972

Ion Ratio Lower Upper

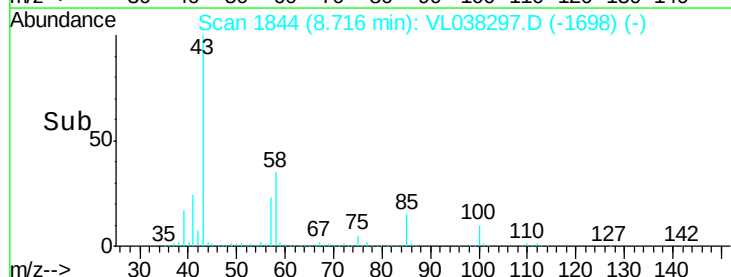
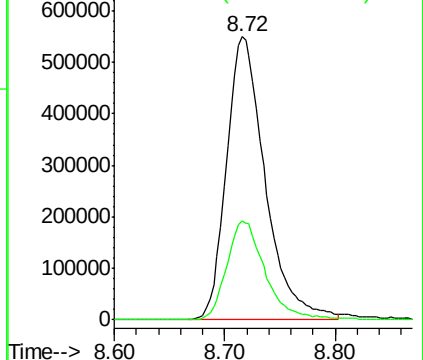
43 100

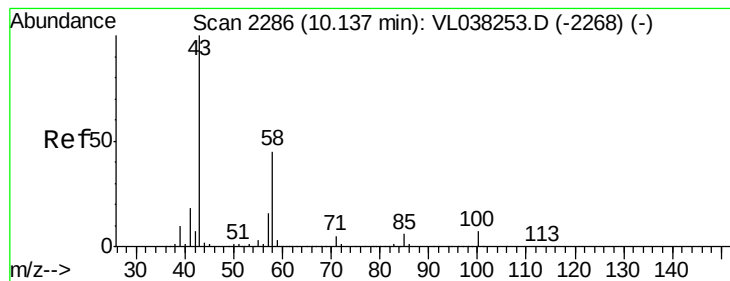
58 35.2 28.2 42.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.926 ppbv

RT: 10.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 14:28 VSTDCCC010

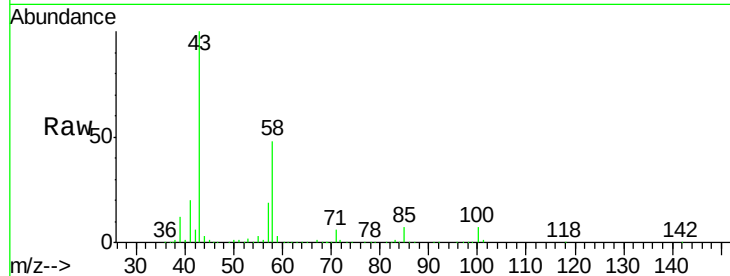
Tgt Ion: 43 Resp: 610840

Ion Ratio Lower Upper

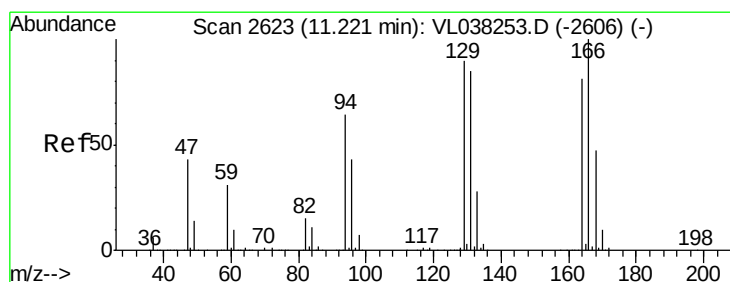
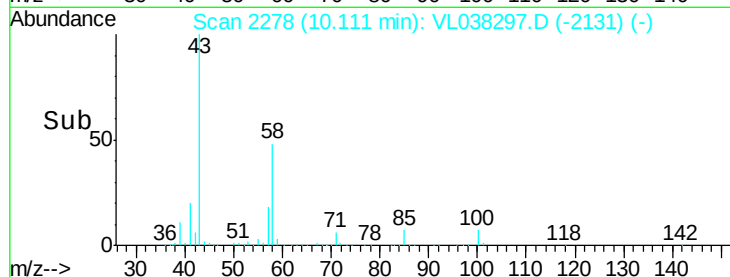
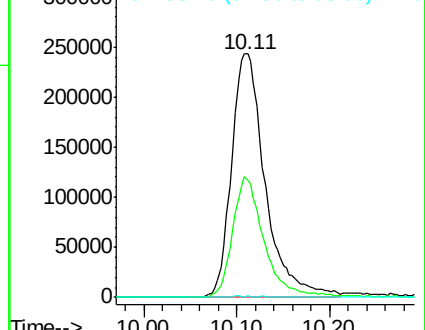
43 100

58 46.7 37.0 55.4

98 0.5 0.2 0.2#



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: 9.512 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.02 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

Tgt Ion:164 Resp: 630966

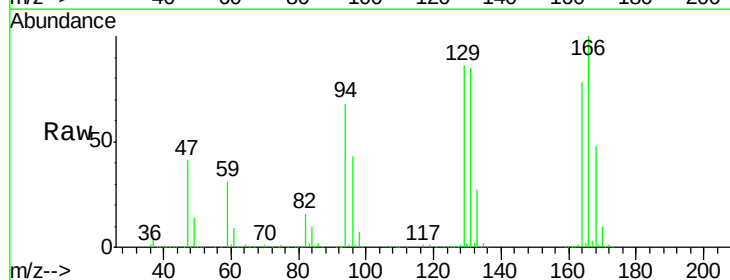
Ion Ratio Lower Upper

164 100

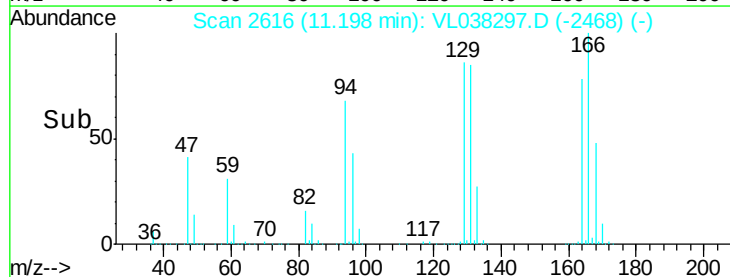
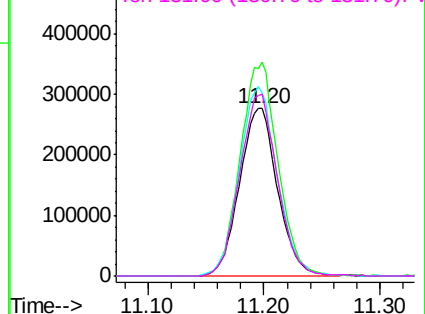
166 127.4 98.8 148.2

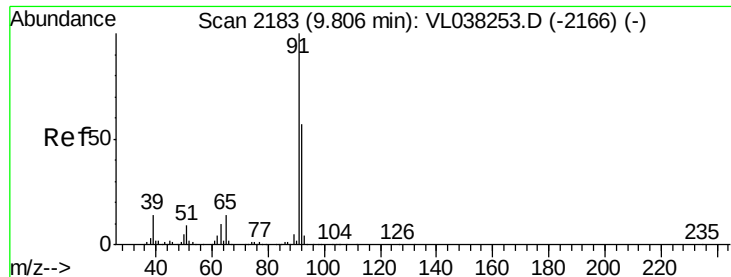
129 109.5 89.2 133.8

131 108.3 83.6 125.4



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: 10.336 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

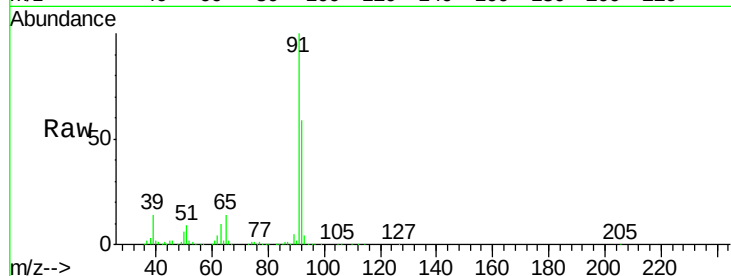
Acq: 27 Jan 2022 14:28 VSTDCCC010

Tgt Ion: 91 Resp: 2202110

Ion Ratio Lower Upper

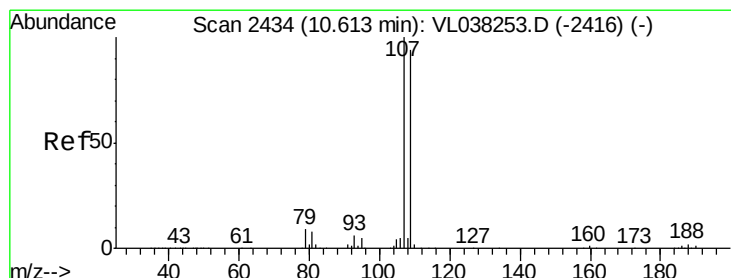
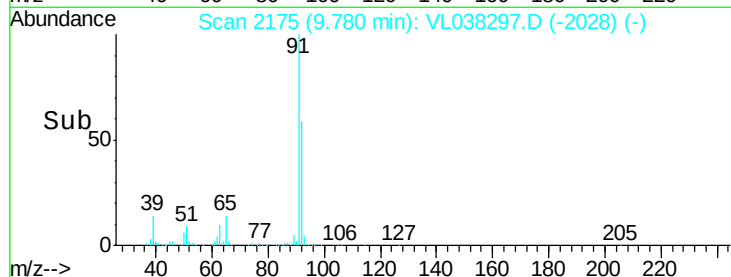
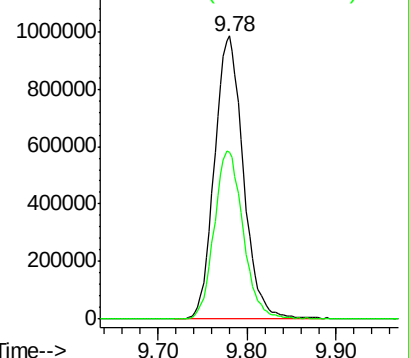
91 100

92 59.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.393 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.03 min

Lab File: VL038297.D

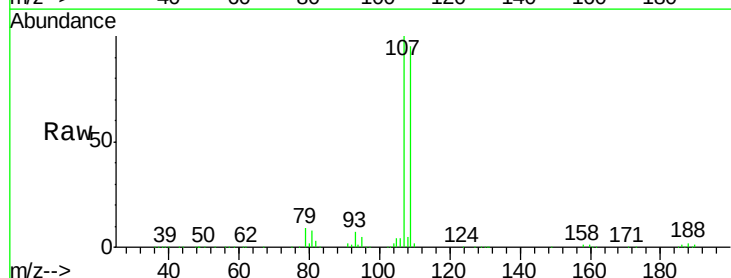
Acq: 27 Jan 2022 14:28

Tgt Ion: 107 Resp: 1132962

Ion Ratio Lower Upper

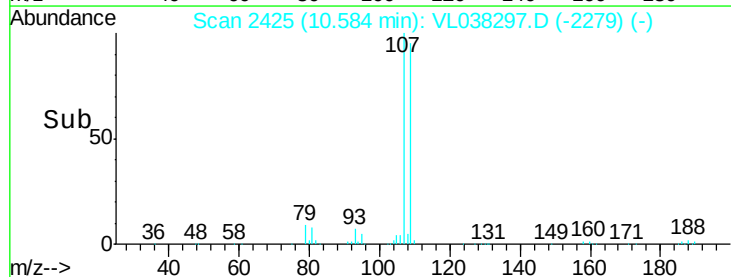
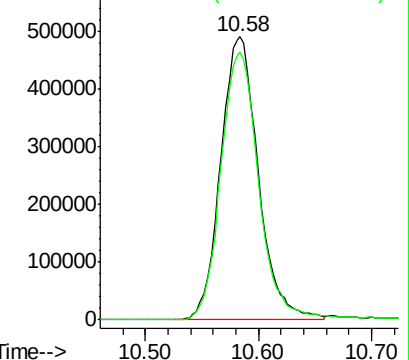
107 100

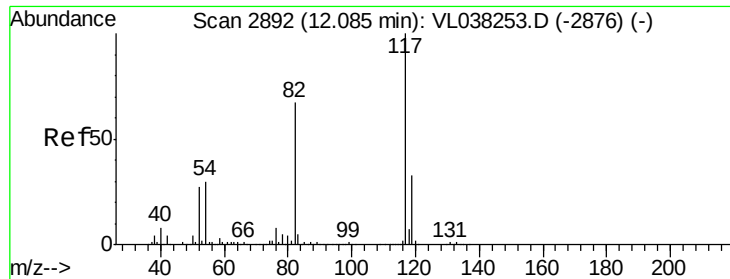
109 94.6 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

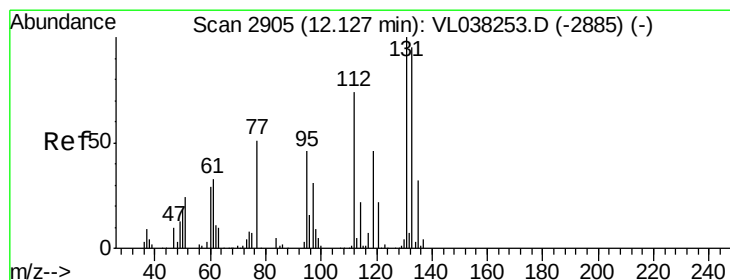
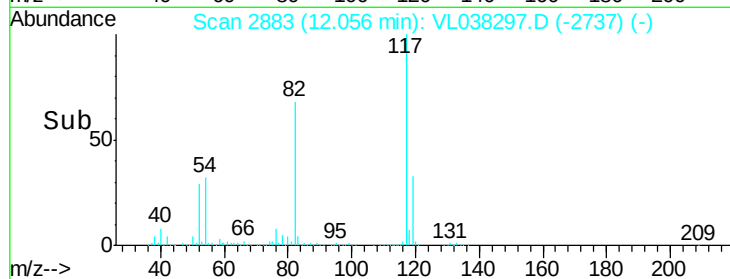
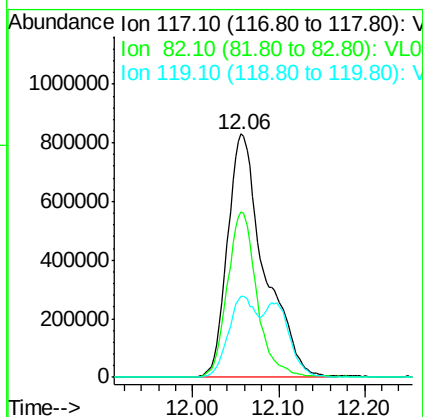
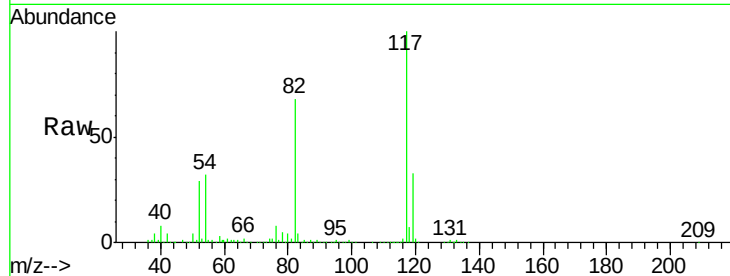
Ion 109.00 (108.70 to 109.70): V





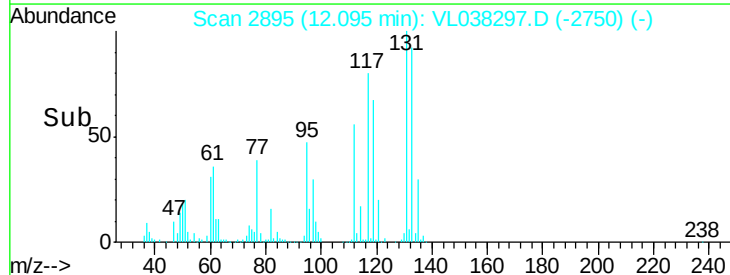
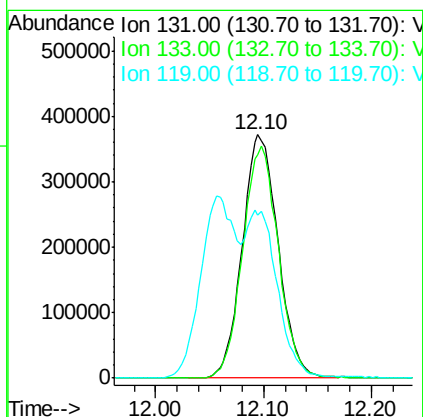
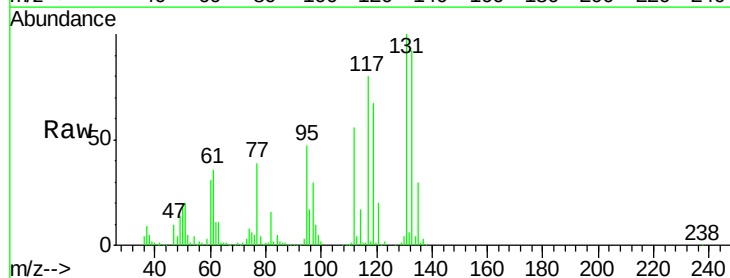
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010
Acq: 27 Jan 2022 14:28

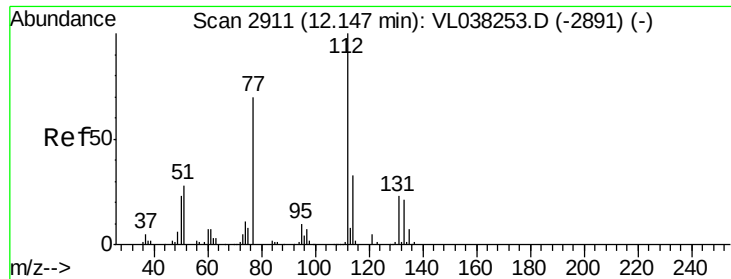
Tgt Ion:117 Resp: 2475533
Ion Ratio Lower Upper
117 100
82 55.1 54.4 81.6
119 24.2 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.913 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL038297.D
Acq: 27 Jan 2022 14:28

Tgt Ion:131 Resp: 857429
Ion Ratio Lower Upper
131 100
133 95.4 76.0 114.0
119 57.3 53.0 79.4





#57

Chlorobenzene

Concen: 7.878 ppbv

RT: 12.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 14:28

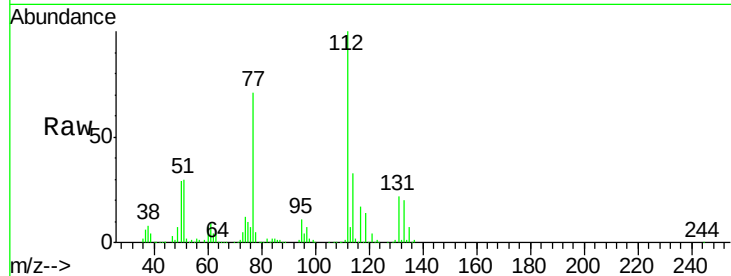
Tgt Ion: 112 Resp: 1560549

Ion Ratio Lower Upper

112 100

77 70.4 55.9 83.9

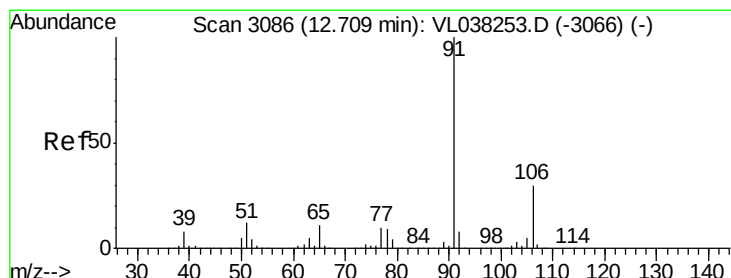
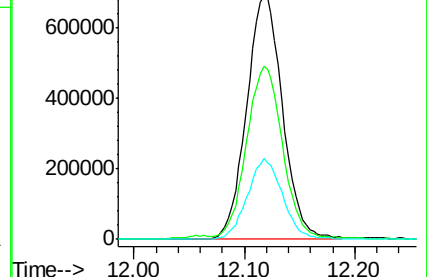
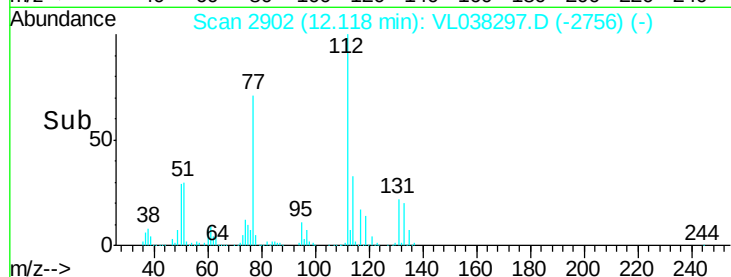
114 33.1 29.3 35.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.012 ppbv

RT: 12.68 min Scan# 3077

Delta R.T. -0.03 min

Lab File: VL038297.D

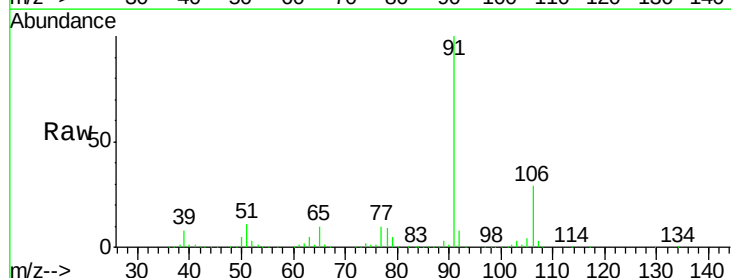
Acq: 27 Jan 2022 14:28

Tgt Ion: 91 Resp: 2914924

Ion Ratio Lower Upper

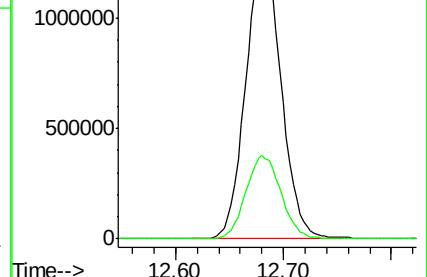
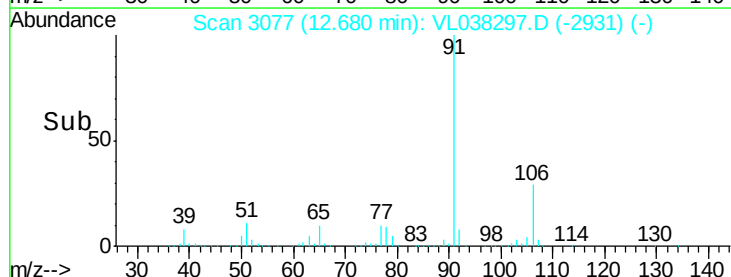
91 100

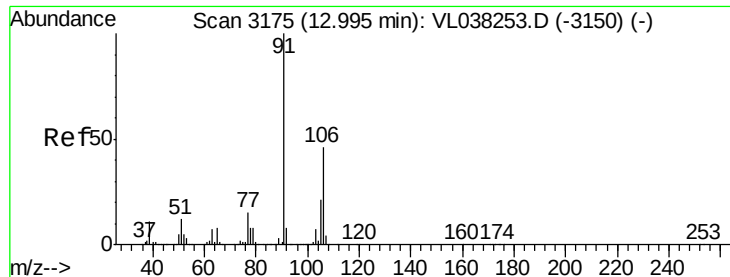
106 29.4 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

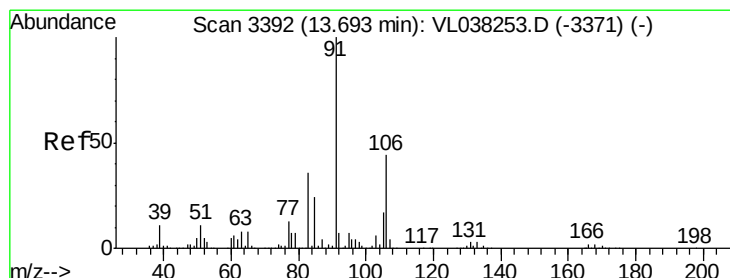
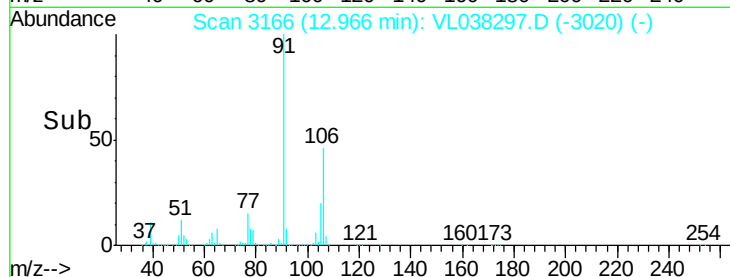
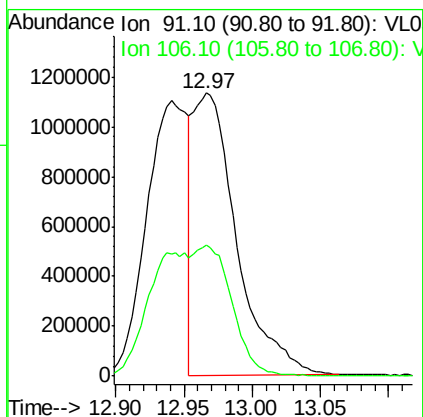
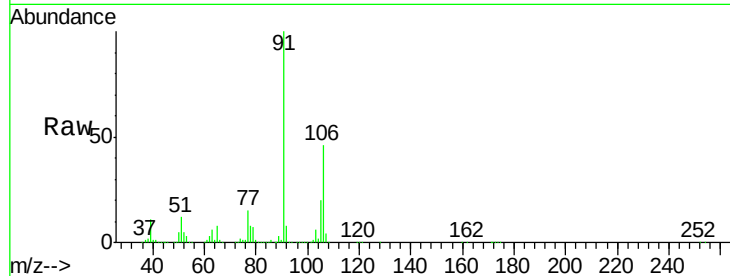
Ion 106.10 (105.80 to 106.80): V





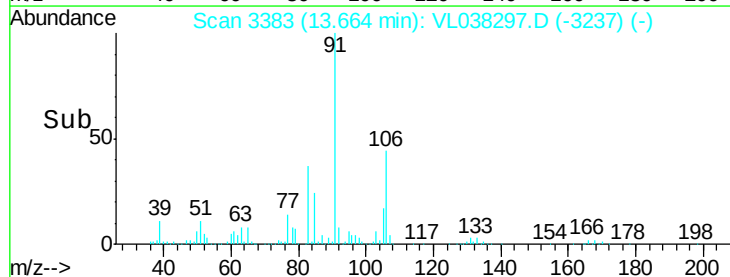
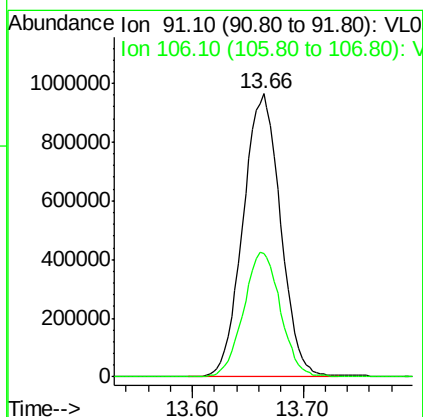
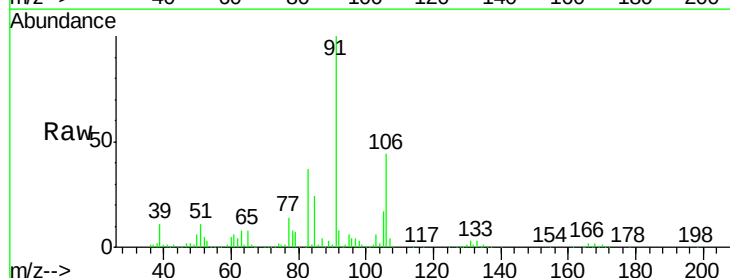
#59
m/p-Xylene
Concen: 8.000 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 27 Jan 2022 14:28

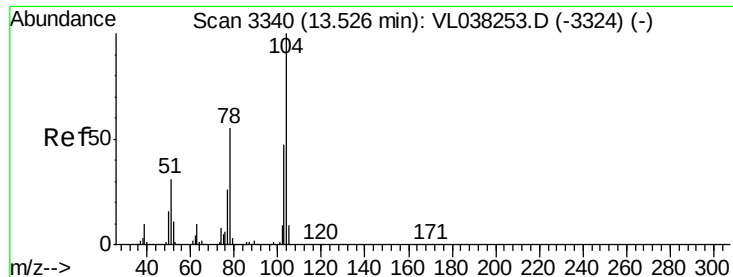
Tgt Ion: 91 Resp: 2483234
Ion Ratio Lower Upper
91 100
106 84.0 34.8 52.2#



#60
o-Xylene
Concen: 7.877 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.03 min
Lab File: VL038297.D
Acq: 27 Jan 2022 14:28

Tgt Ion: 91 Resp: 2274178
Ion Ratio Lower Upper
91 100
106 43.5 22.2 66.6





#61

Styrene

Concen: 8.729 ppbv

RT: 13.50

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 14:28

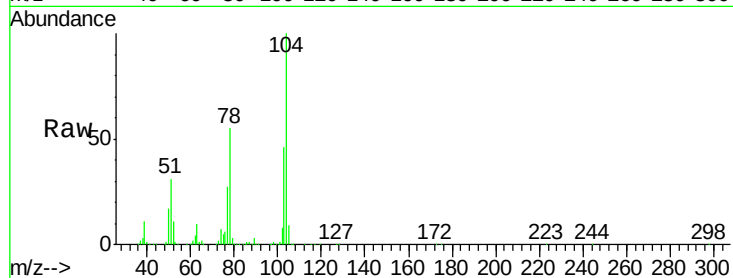
Tgt Ion:104 Resp: 1176034

Ion Ratio Lower Upper

104 100

78 55.2 44.2 66.4

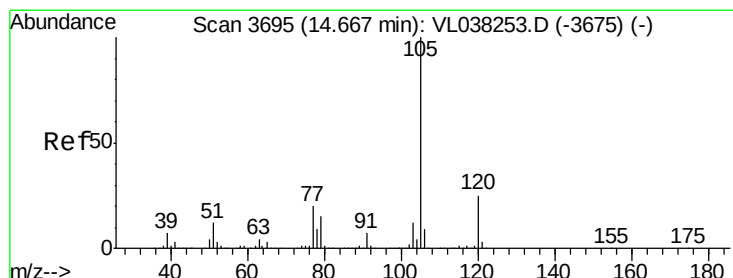
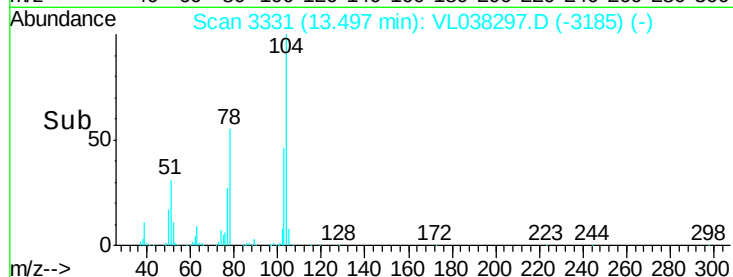
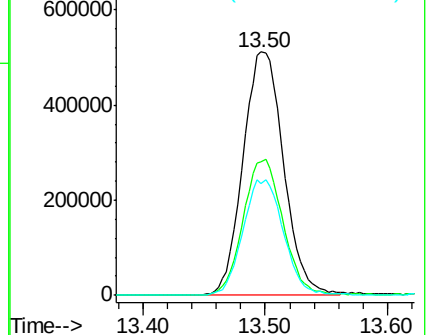
103 47.7 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.768 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.03 min

Lab File: VL038297.D

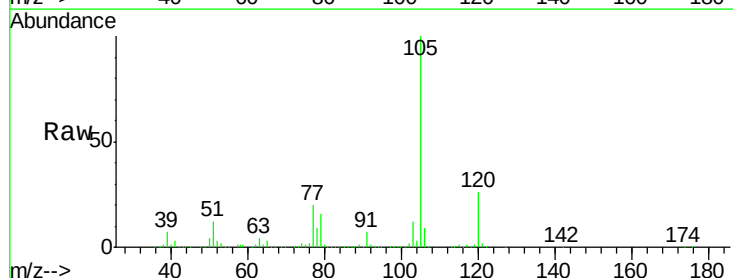
Acq: 27 Jan 2022 14:28

Tgt Ion:105 Resp: 2989742

Ion Ratio Lower Upper

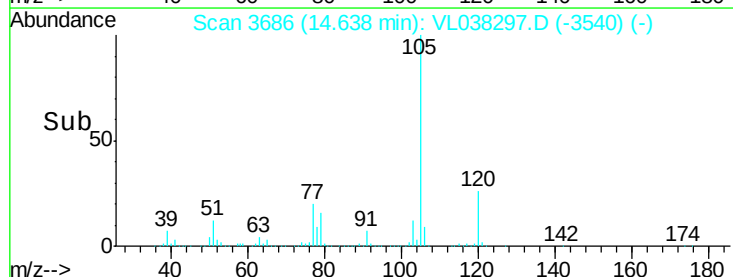
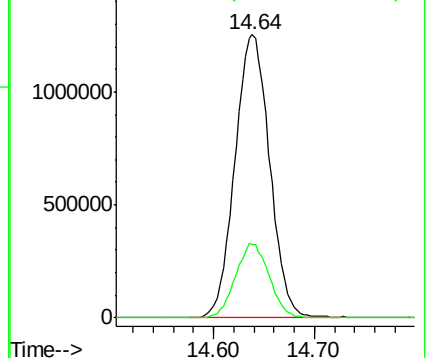
105 100

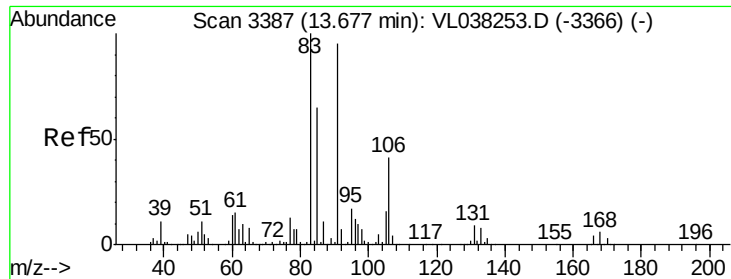
120 25.7 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

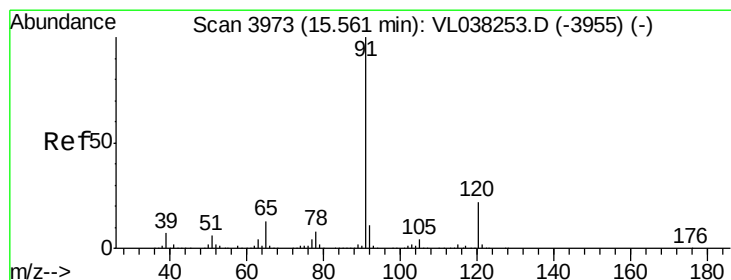
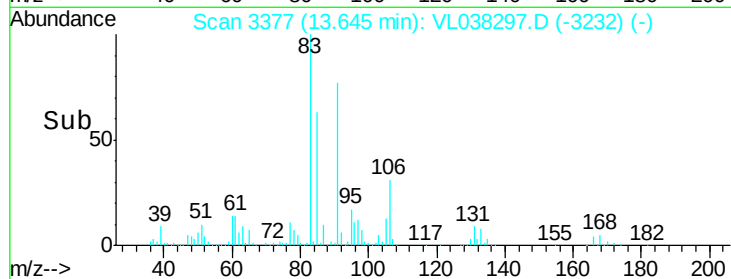
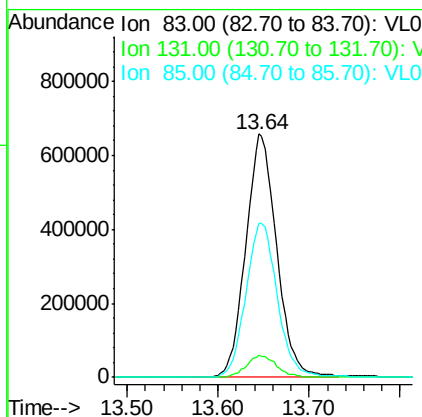
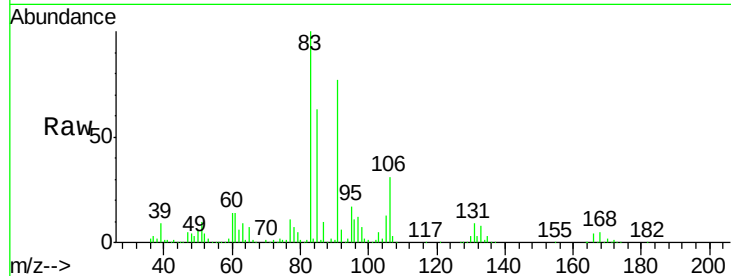
Ion 120.20 (119.90 to 120.90): V





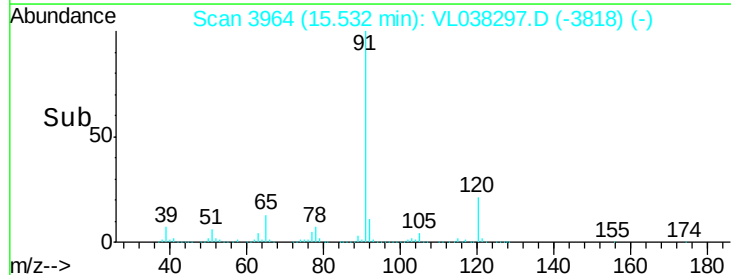
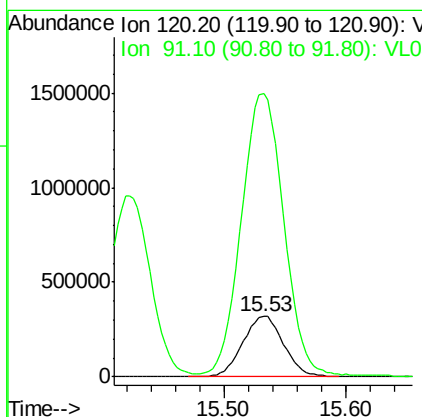
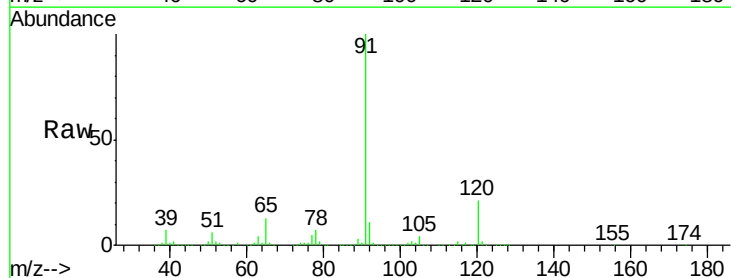
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.286 ppbv
 RT: 13.64 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

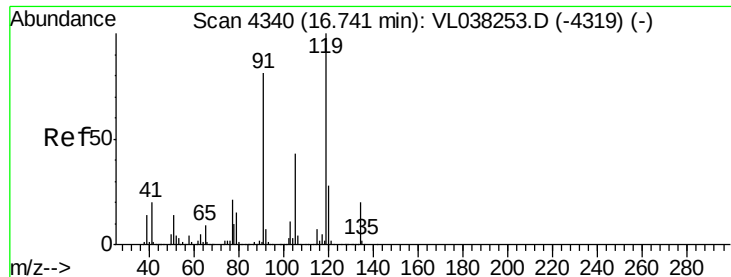
Tgt Ion: 83 Resp: 1556345
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.5 13.5
 85 64.9 32.8 98.4



#64
 n-propylbenzene
 Concen: 7.996 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 120 Resp: 740267
 Ion Ratio Lower Upper
 120 100
 91 489.8 390.8 586.2





#65

tert-Butylbenzene

Concen: 7.575 ppbv

RT: 16.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 14:28

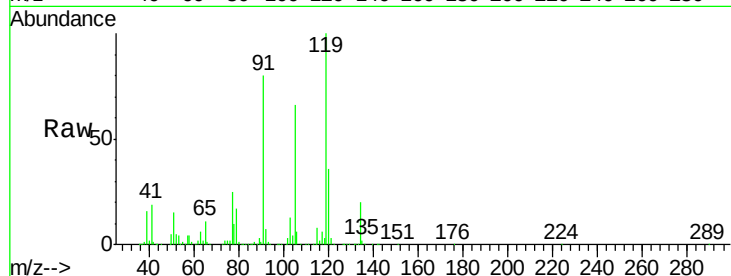
Tgt Ion: 119 Resp: 2401030

Ion Ratio Lower Upper

119 100

91 83.9 66.6 100.0

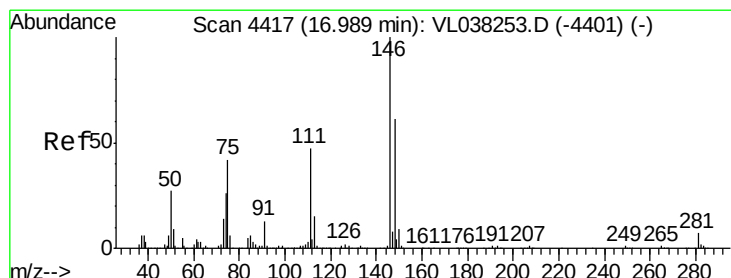
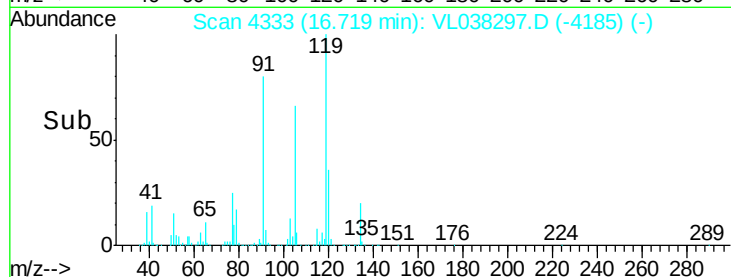
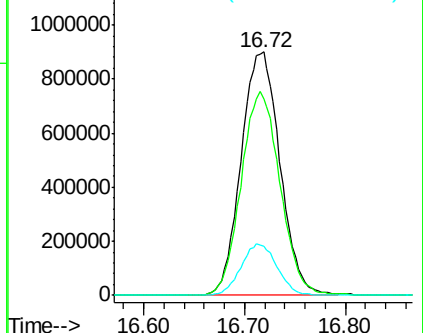
134 19.8 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.410 ppbv

RT: 16.96 min Scan# 4407

Delta R.T. -0.03 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

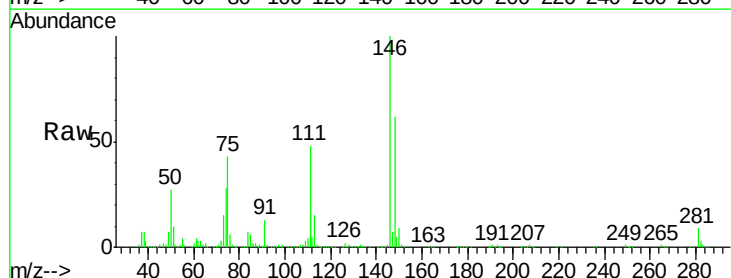
Tgt Ion: 91 Resp: 121095

Ion Ratio Lower Upper

91 100

126 16.0 12.6 18.8

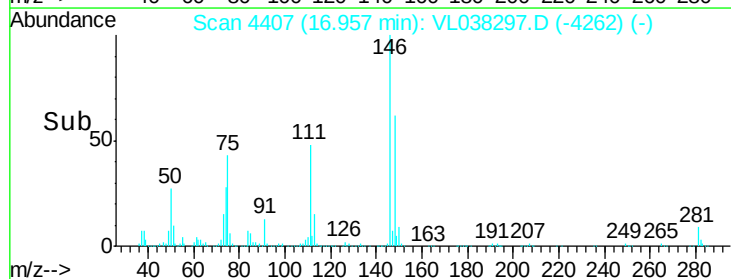
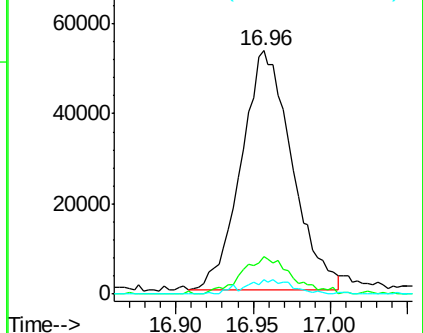
128 5.8 4.3 6.5

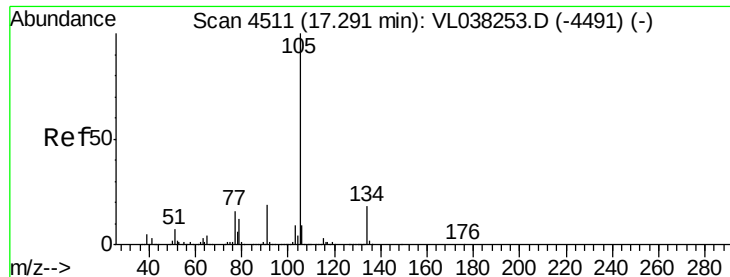


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.557 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

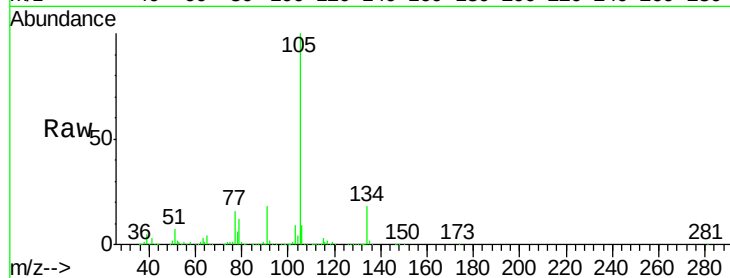
Acq: 27 Jan 2022 14:28

Tgt Ion: 105 Resp: 3332385

Ion Ratio Lower Upper

105 100

134 18.0 14.3 21.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

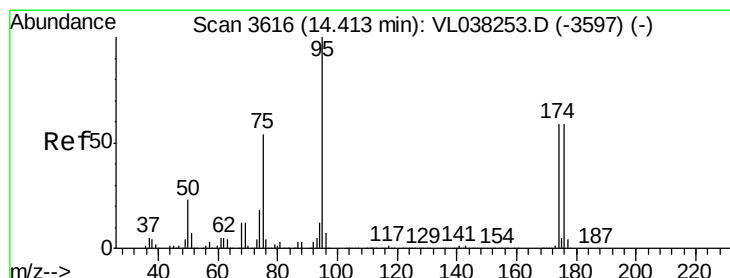
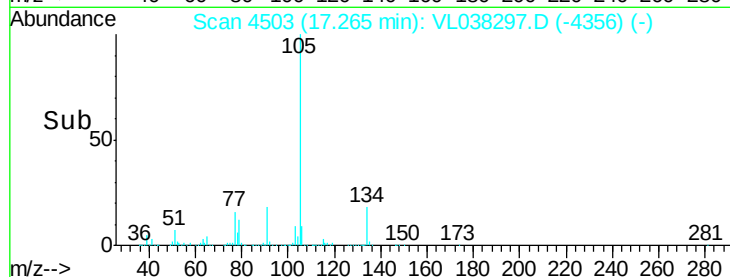
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.254 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.03 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

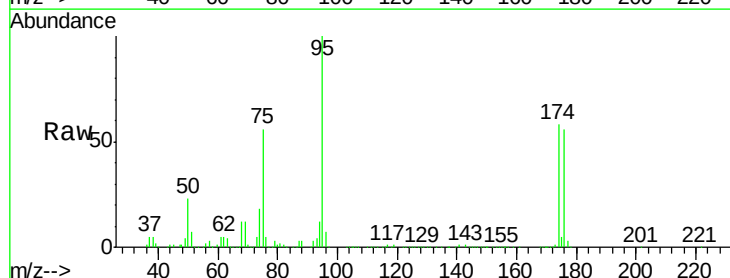
Tgt Ion: 95 Resp: 1550943

Ion Ratio Lower Upper

95 100

174 59.7 48.3 72.5

175 4.5 3.5 5.3



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.38

800000

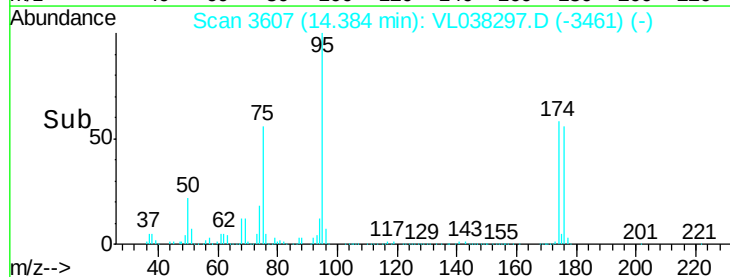
600000

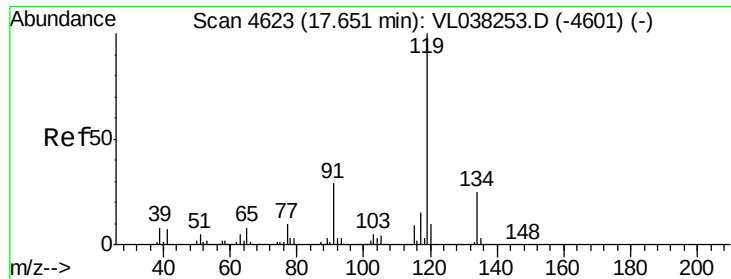
400000

200000

0

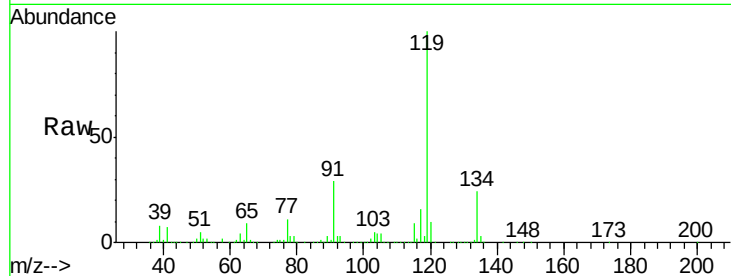
Time-->



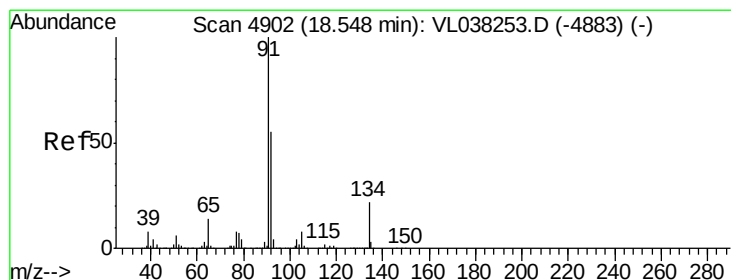
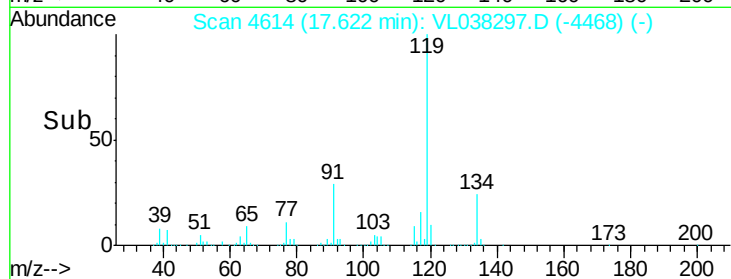
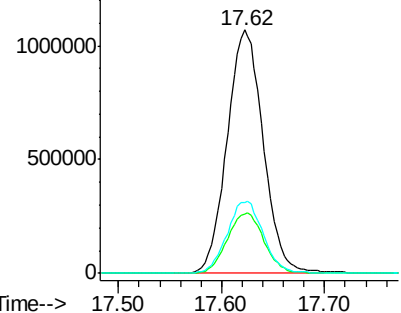


#69
 p-Isopropyltoluene
 Concen: 7.716 ppbv
 RT: 17.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

Tgt Ion: 119 Resp: 2603642
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.2
 91 29.9 23.2 34.8

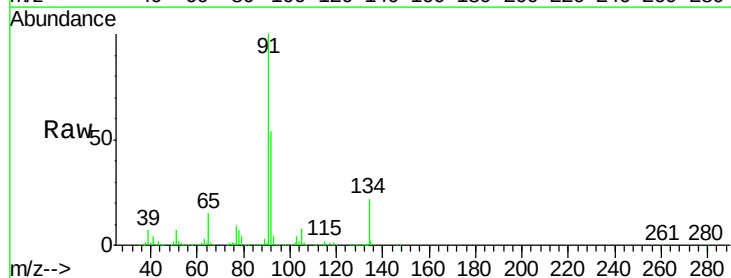


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

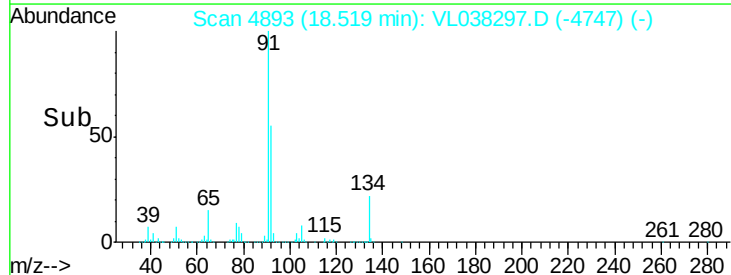
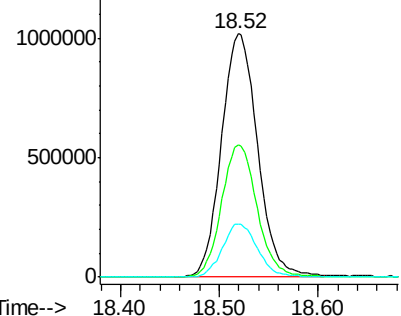


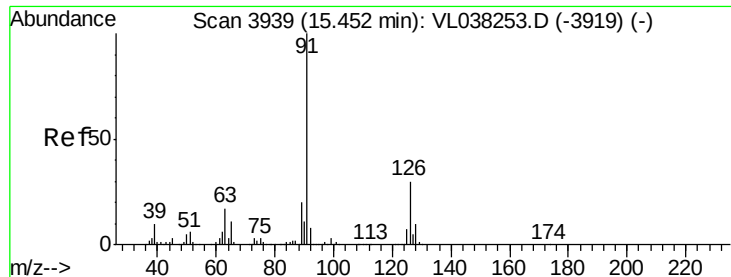
#70
 n-Butylbenzene
 Concen: 7.830 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 91 Resp: 2587859
 Ion Ratio Lower Upper
 91 100
 92 54.0 43.4 65.0
 134 21.4 17.3 25.9



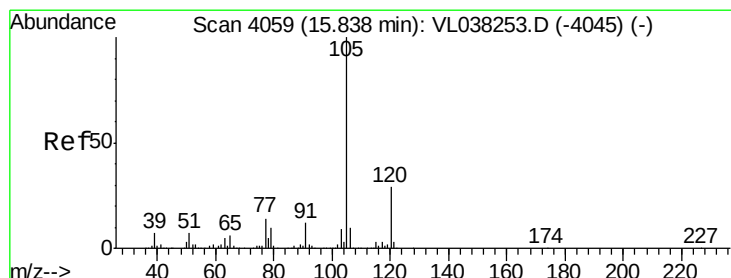
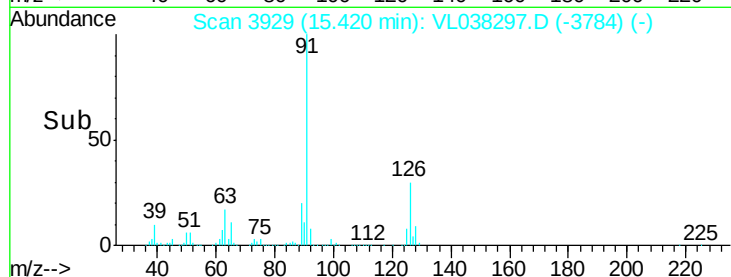
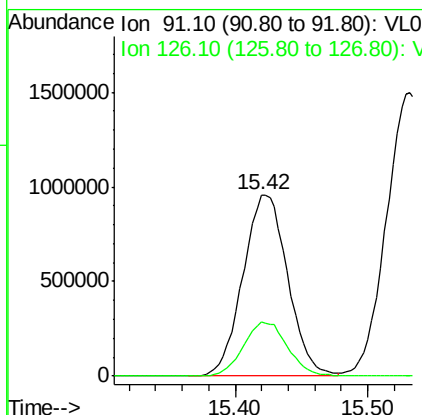
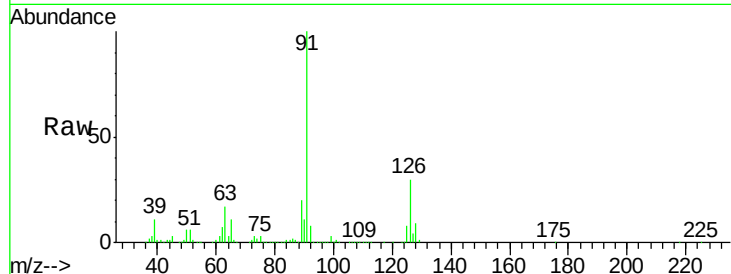
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





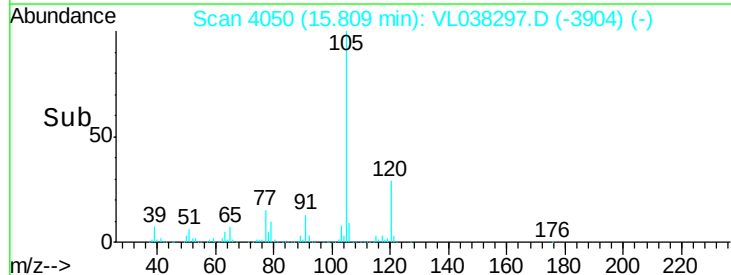
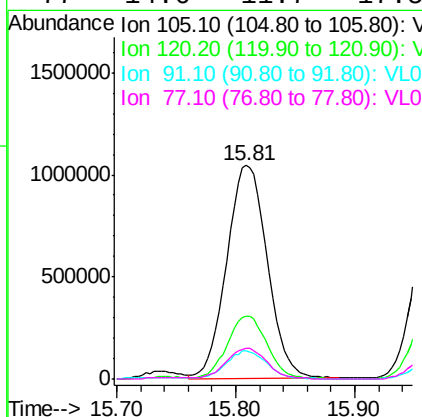
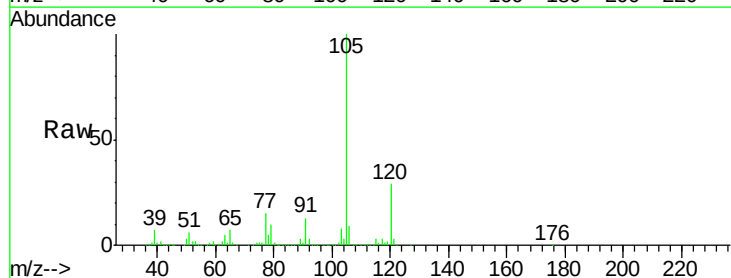
#71
 2-Chlorotoluene
 Concen: 7.905 ppbv
 RT: 15.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jan 2022 14:28

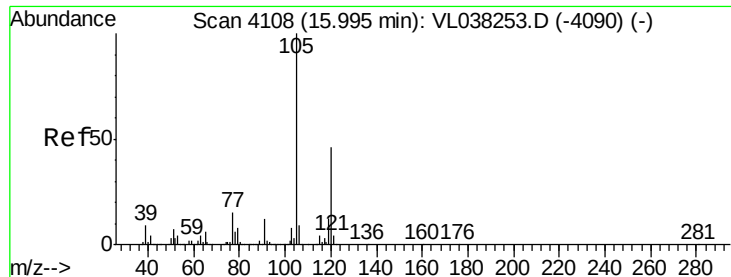
Tgt Ion: 91 Resp: 2253482
 Ion Ratio Lower Upper
 91 100
 126 29.5 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.177 ppbv
 RT: 15.81 min Scan# 4050
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion: 105 Resp: 2468545
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.8 35.8
 91 13.6 10.2 15.4
 77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.885 ppbv

RT: 15.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

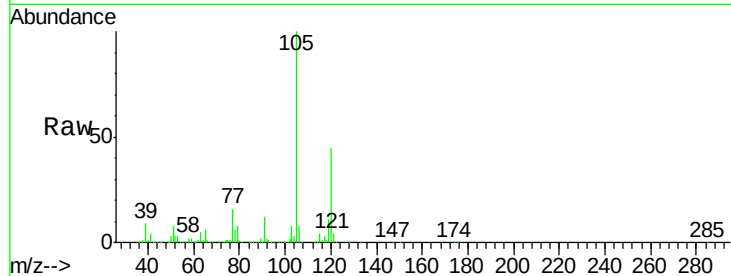
Acq: 27 Jan 2022 14:28

Tgt Ion:105 Resp: 2140871

Ion Ratio Lower Upper

105 100

120 45.3 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

800000

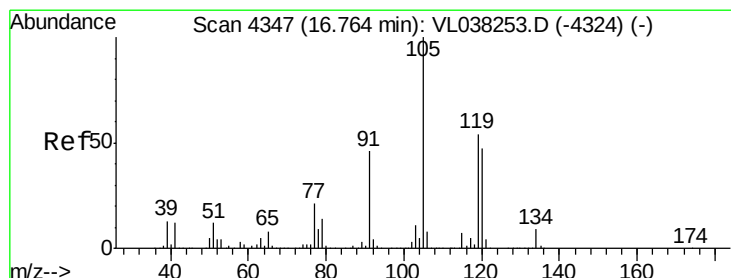
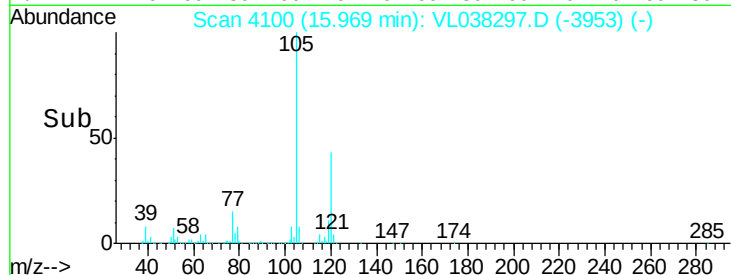
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.551 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.03 min

Lab File: VL038297.D

Acq: 27 Jan 2022 14:28

Tgt Ion:105 Resp: 2159669

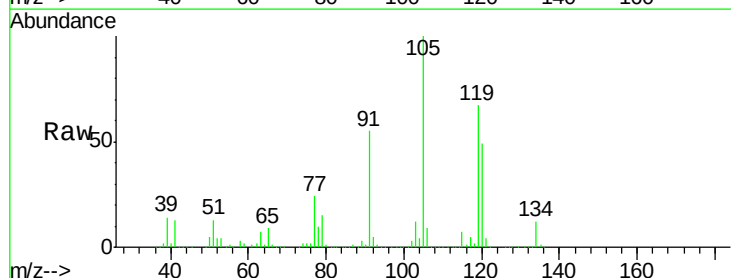
Ion Ratio Lower Upper

105 100

120 49.1 37.2 55.8

91 54.3 36.6 55.0

77 23.7 16.9 25.3



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

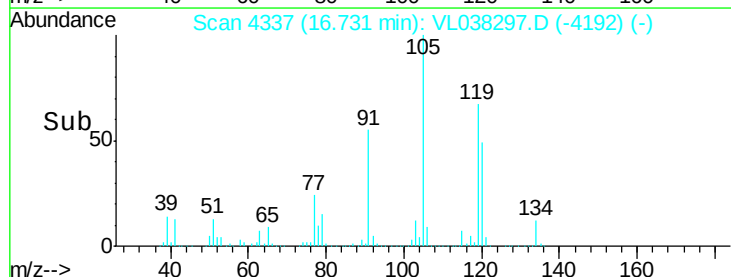
16.73

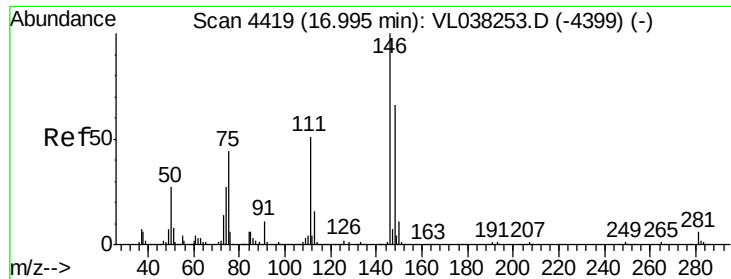
1000000

500000

0

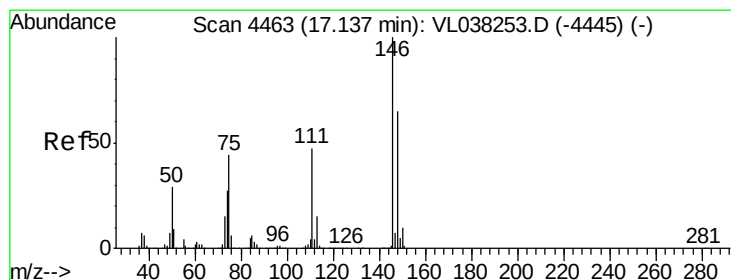
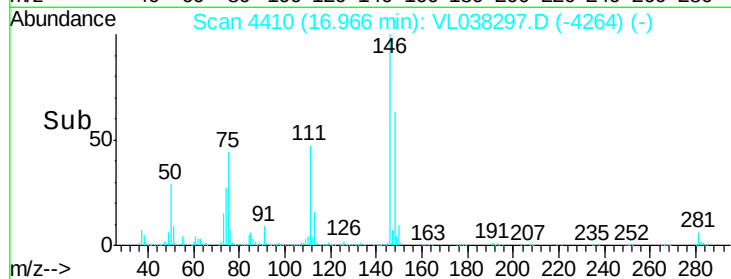
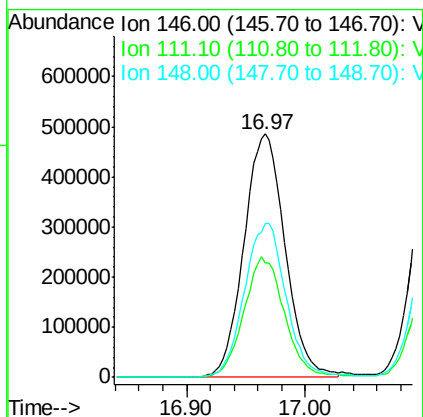
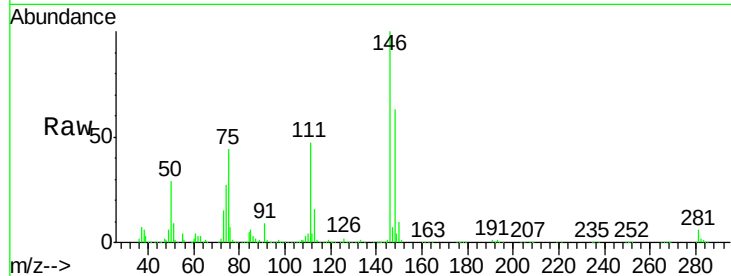
Time-->





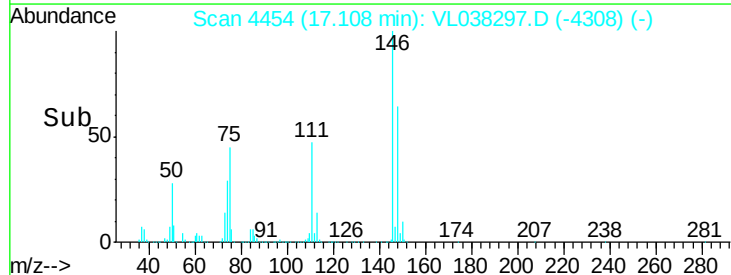
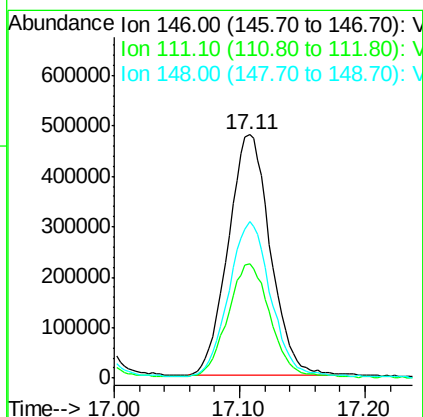
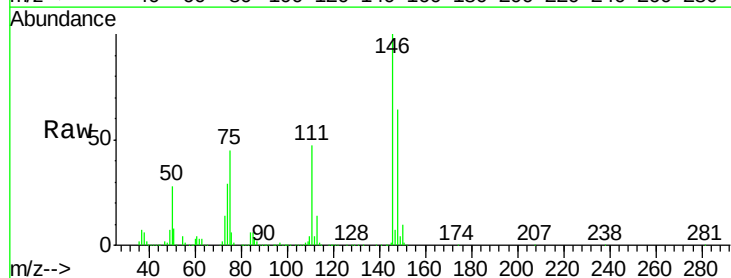
#75
 1,3-Dichlorobenzene
 Concen: 7.585 ppbv
 RT: 16.97
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 27 Jan 2022 14:28

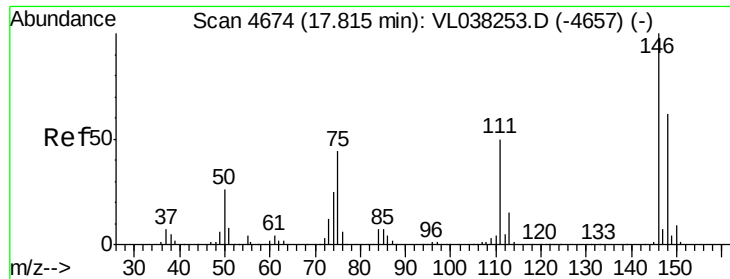
Tgt Ion:146 Resp: 1164251
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.1 72.4
 148 64.1 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.450 ppbv
 RT: 17.11 min Scan# 4454
 Delta R.T. -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

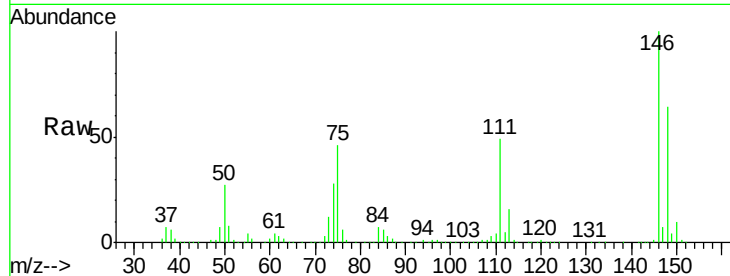
Tgt Ion:146 Resp: 1107017
 Ion Ratio Lower Upper
 146 100
 111 49.2 23.2 69.6
 148 66.9 32.4 97.0



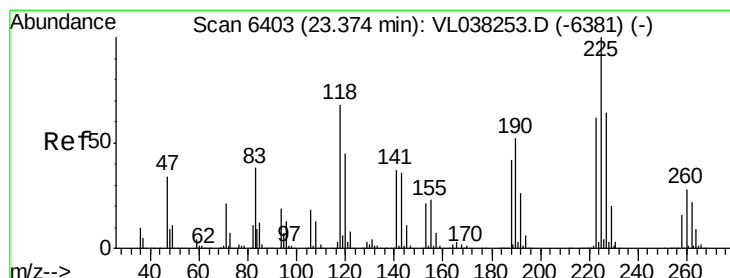
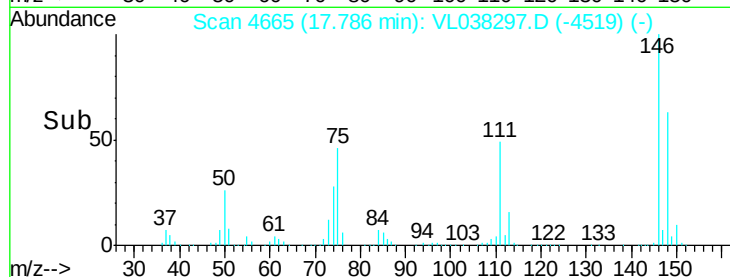
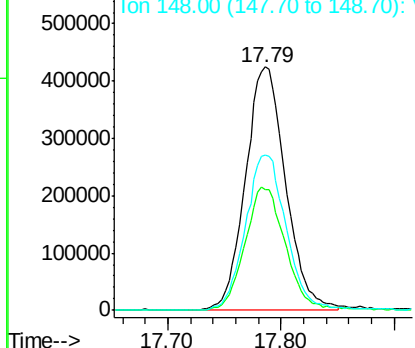


#77
 1,2-Dichlorobenzene
 Concen: 7.337 ppbv
 RT: 17.79
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 27 Jan 2022 14:28

Tgt Ion:146 Resp: 1045927
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.2 75.6
 148 64.7 32.6 97.8

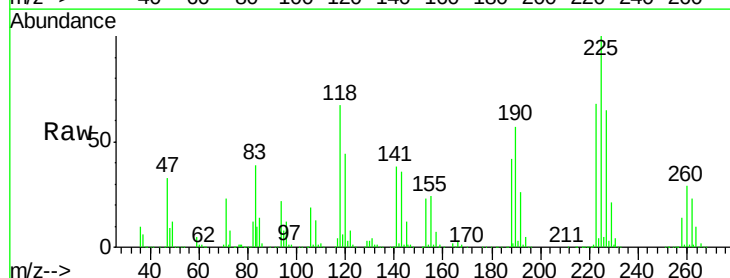


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.026 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T.: -0.03 min
 Lab File: VL038297.D
 Acq: 27 Jan 2022 14:28

Tgt Ion:225 Resp: 696377
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.7 77.5
 227 64.8 51.4 77.0



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

