

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037931.D
 Acq On : 28 Oct 2021 00:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 28 05:20:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1444193	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4214278	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4671064	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2683619	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1420529	6.158 ppbv	100
3) Chlorodifluoromethane	3.00	51	2589408	9.331 ppbv	100
4) Chloromethane	3.15	50	999701	9.836 ppbv	95
5) Vinyl Chloride	3.27	62	974452	10.459 ppbv	96
6) Bromomethane	3.48	94	502011	9.961 ppbv	99
7) Chloroethane	3.57	64	358954	10.478 ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	2158558	9.467 ppbv	97
9) Propene	3.02	41	938224	9.189 ppbv	98
10) Heptane	8.13	43	2386834	10.293 ppbv	99
11) Trichlorofluoromethane	3.96	101	2011662	9.774 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1559521	10.001 ppbv	99
13) Ethanol	3.62	45	50019	5.990 ppbv #	55
14) Bromoethene	3.75	108	674791	9.842 ppbv	98
15) Acetone	3.86	43	1143364	8.819 ppbv	100
16) 1,3-Butadiene	3.34	39	934067	9.902 ppbv	98
17) tert-Butyl alcohol	4.29	59	1243893	9.316 ppbv	100
18) 1,1-Dichloroethene	4.30	96	701715	9.902 ppbv	99
19) Isopropyl Alcohol	3.98	45	759942	9.422 ppbv #	98
20) Methylene Chloride	4.35	84	582053	8.886 ppbv	95
21) Allyl Chloride	4.42	41	1116126	9.718 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	743329	10.433 ppbv	98
23) Vinyl Acetate	5.09	43	1874058	9.646 ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1459161	10.317 ppbv	99
25) Ethyl Acetate	5.69	43	3678362	10.111 ppbv	99
26) Hexane	5.70	57	1730136	9.658 ppbv	98
27) Carbon Disulfide	4.56	76	1770364	11.151 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1373527	9.209 ppbv	99
29) Chloroform	5.76	83	2451723	9.575 ppbv	96
30) Cyclohexane	7.14	84	1471843	9.689 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1594487	9.805 ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2314207	9.533 ppbv	100
34) 2-Butanone	5.25	43	1639912	9.639 ppbv	100
35) Carbon Tetrachloride	7.03	117	2395214	10.008 ppbv	99
36) Benzene	6.90	78	3590158	9.974 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1689828	9.970 ppbv	100
38) Trichloroethene	7.85	130	1419443	9.982 ppbv	97
39) 1,2-Dichloropropane	7.63	63	1375846	10.162 ppbv	99
40) 1,4-Dioxane	7.84	88	345339	10.193 ppbv #	100
41) Tetrahydrofuran	6.06	42	845633	10.150 ppbv	97
42) Bromodichloromethane	7.80	83	2548431	10.236 ppbv	96
43) Methyl Methacrylate	8.02	69	1254994	10.674 ppbv	99

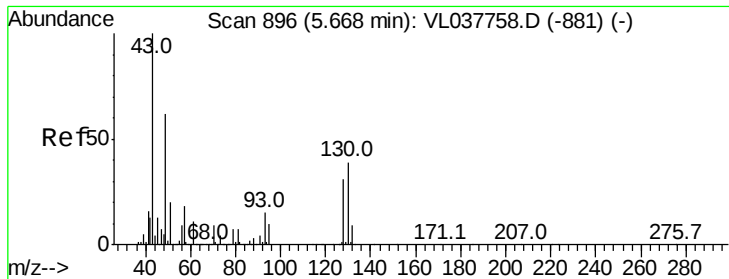
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037931.D
 Acq On : 28 Oct 2021 00:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
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Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 28 05:20:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6056084	10.014	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	951614	11.763	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1309536	11.679	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1436126	9.757	ppbv	98
48) Dibromochloromethane	10.31	129	2223605	10.597	ppbv	98
49) Bromoform	13.05	173	1843095	11.480	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	2394977	10.814	ppbv	100
51) 2-Hexanone	10.14	43	1088317	11.007	ppbv #	99
52) Tetrachloroethene	11.23	164	658221	4.700	ppbv	96
53) Toluene	9.82	91	4124127	10.338	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1981492	9.966	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1583279	8.188	ppbv	97
57) Chlorobenzene	12.16	112	3024787	7.894	ppbv	98
58) Ethyl Benzene	12.72	91	5270104	8.402	ppbv	99
59) m/p-Xylene	13.00	91	4752412	8.827	ppbv #	38
60) o-Xylene	13.70	91	4090596	7.928	ppbv	99
61) Styrene	13.54	104	2277295	9.124	ppbv	99
62) Isopropylbenzene	14.67	105	5817586	8.083	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3070396	7.711	ppbv	100
64) n-propylbenzene	15.57	120	1543257	8.599	ppbv	97
65) tert-Butylbenzene	16.75	119	5067159	8.001	ppbv	99
66) Benzyl Chloride	16.99	91	265019	8.479	ppbv #	99
67) sec-Butylbenzene	17.30	105	7082052	8.176	ppbv	100
69) p-Isopropyltoluene	17.66	119	5832078	8.328	ppbv	100
70) n-Butylbenzene	18.55	91	5629799	8.463	ppbv	100
71) 2-Chlorotoluene	15.46	91	4174726	8.214	ppbv	100
72) 4-Ethyltoluene	15.84	105	5029140	8.584	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4446439	8.355	ppbv	93
74) 1,2,4-Trimethylbenzene	16.77	105	4634036	8.292	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2844941	8.217	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2716631	8.225	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2736146	8.227	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1876597	6.910	ppbv	100
79) Naphthalene	22.20	128	2928314	8.556	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	606878	6.604	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1773300	8.101	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 28 Oct 2021 00:43

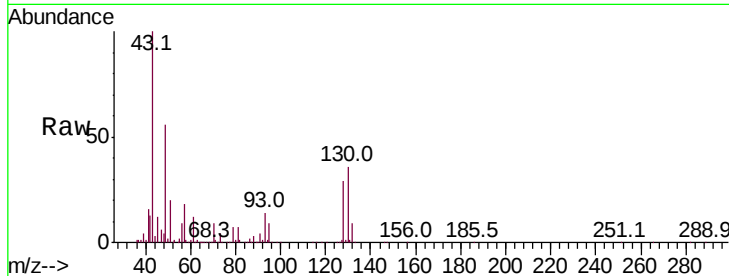
Tot Ion: 49 Resp: 1444193

Ion Ratio Lower Upper

49 100

128 54.1 27.1 81.3

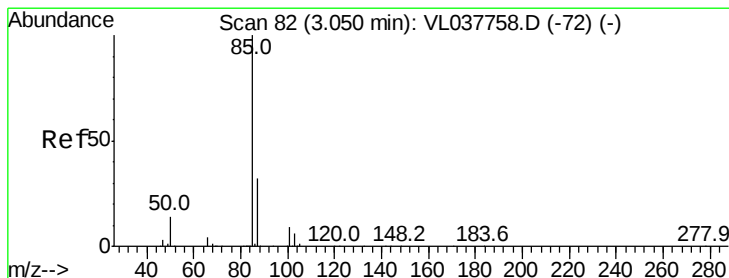
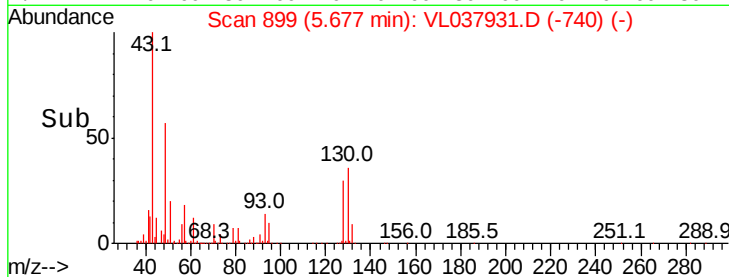
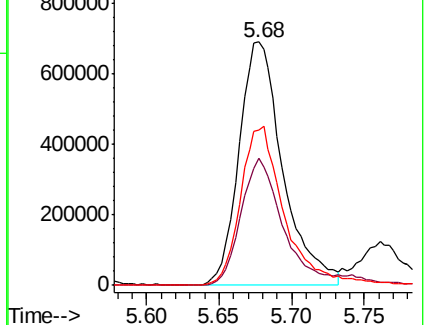
130 66.9 33.2 99.6



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: 6.158 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL037931.D

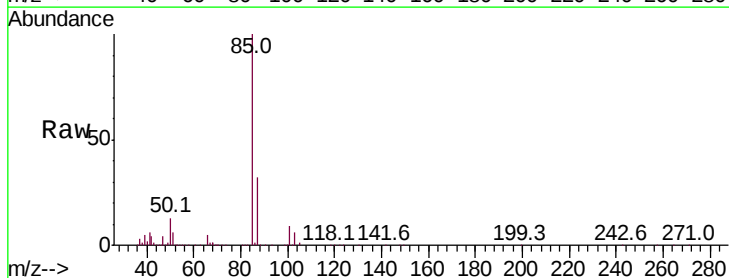
Acq: 28 Oct 2021 00:43

Tgt Ion: 85 Resp: 1420529

Ion Ratio Lower Upper

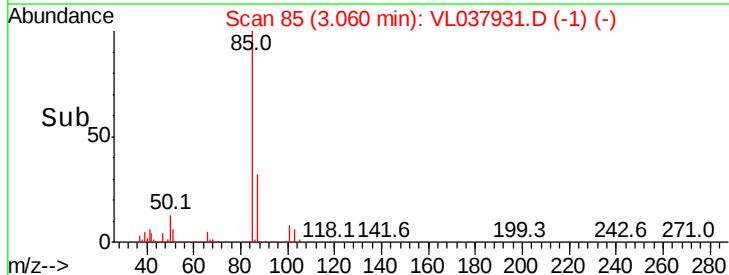
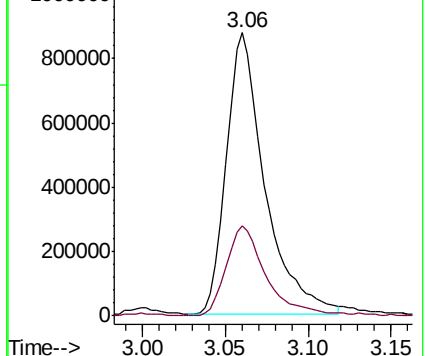
85 100

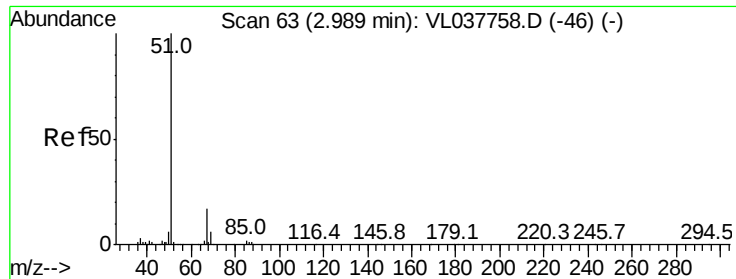
87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.331 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

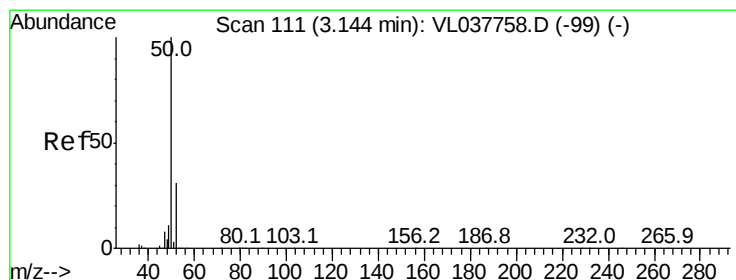
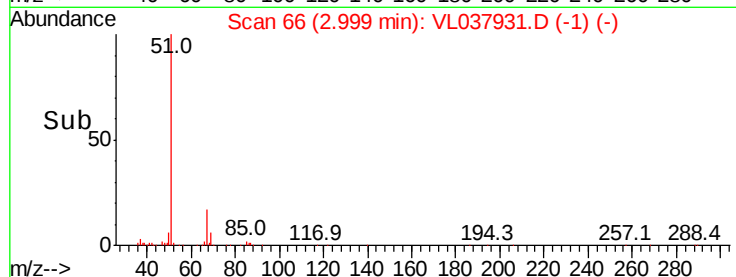
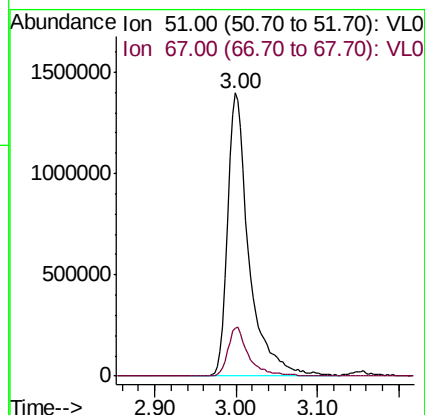
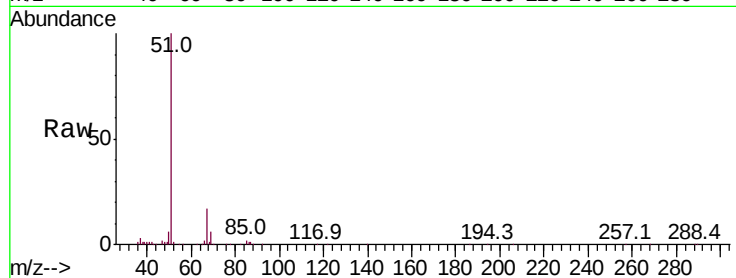
Acq: 28 Oct 2021 00:43

Tot Ion: 51 Resp: 2589408

Ion Ratio Lower Upper

51 100

67 16.9 13.5 20.3



#4

Chloromethane

Concen: 9.836 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL037931.D

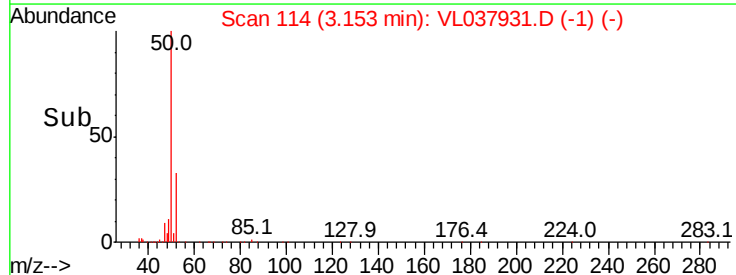
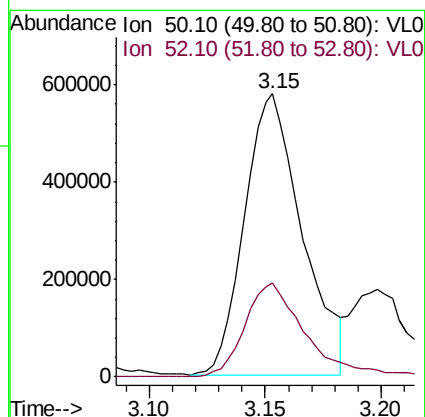
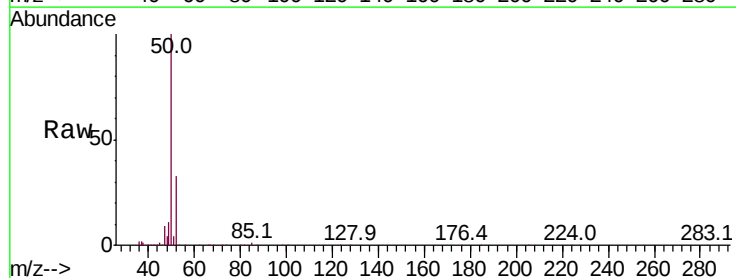
Acq: 28 Oct 2021 00:43

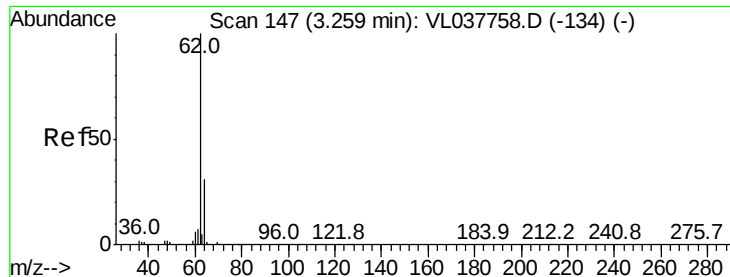
Tgt Ion: 50 Resp: 999701

Ion Ratio Lower Upper

50 100

52 33.5 24.4 36.6





#5

Vinyl Chloride

Concen: 10.459 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

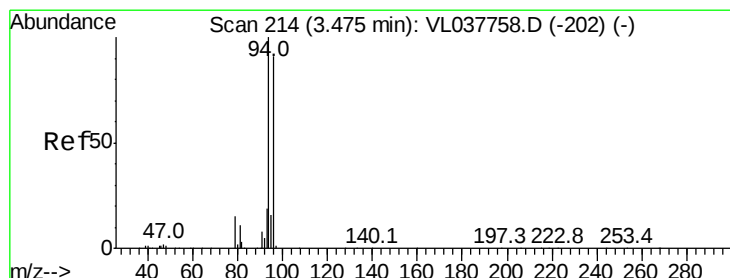
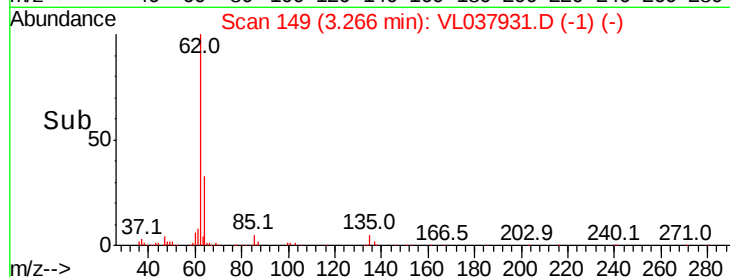
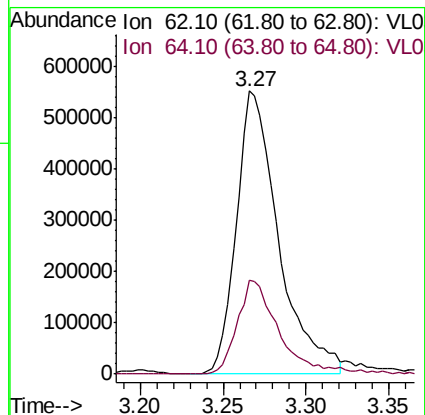
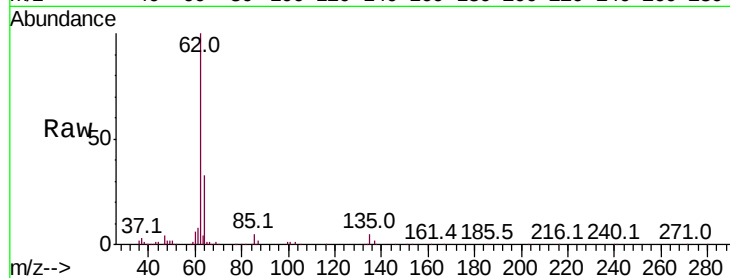
Acq: 28 Oct 2021 00:43 VSTDCCC010EC

Tot Ion: 62 Resp: 974452

Ion Ratio Lower Upper

62 100

64 33.3 24.9 37.3



#6

Bromomethane

Concen: 9.961 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037931.D

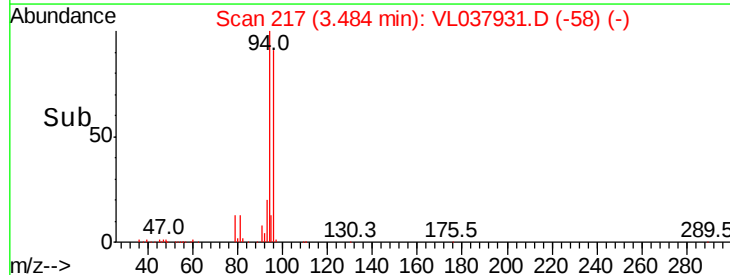
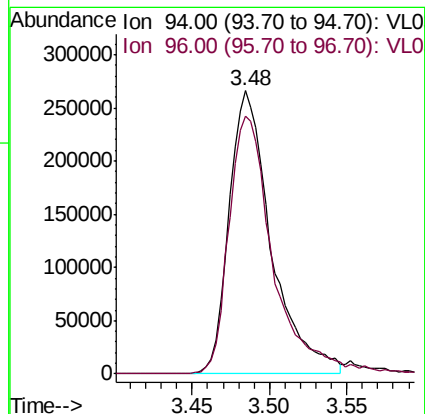
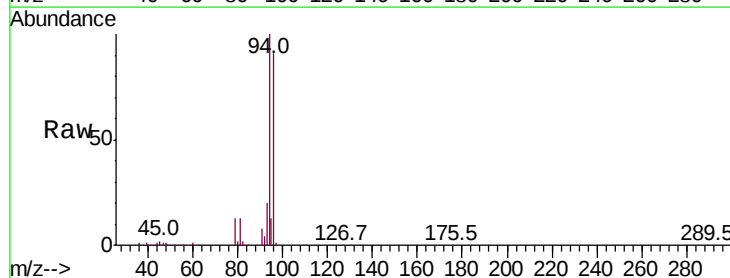
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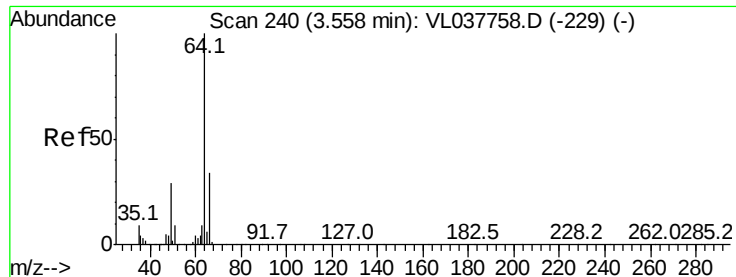
Tgt Ion: 94 Resp: 502011

Ion Ratio Lower Upper

94 100

96 91.2 72.5 108.7





#7

Chloroethane

Concen: 10.478 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

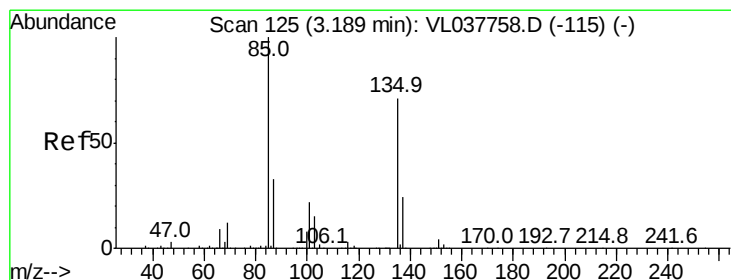
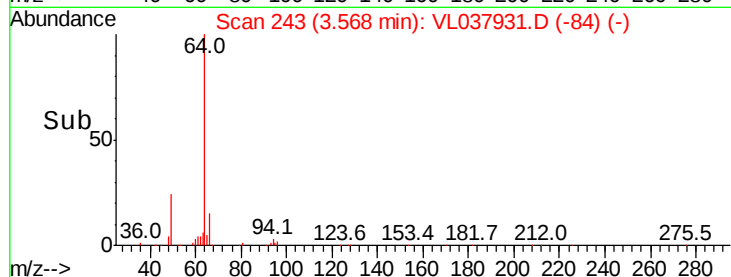
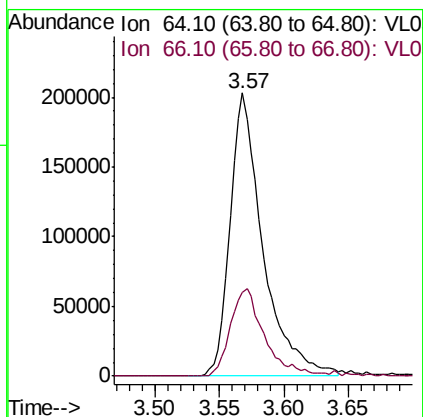
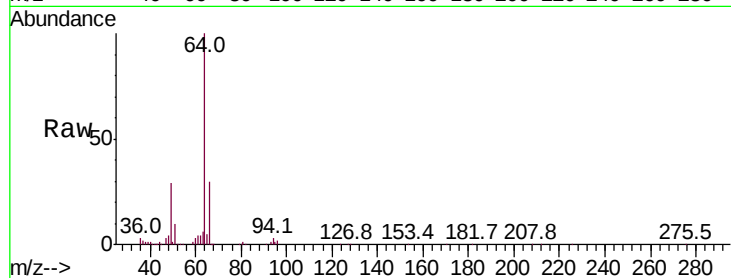
Acq: 28 Oct 2021 00:43 VSTDCCC010EC

Tot Ion: 64 Resp: 358954

Ion Ratio Lower Upper

64 100

66 29.6 27.5 41.3



#8

Dichlorotetrafluoroethane

Concen: 9.467 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037931.D

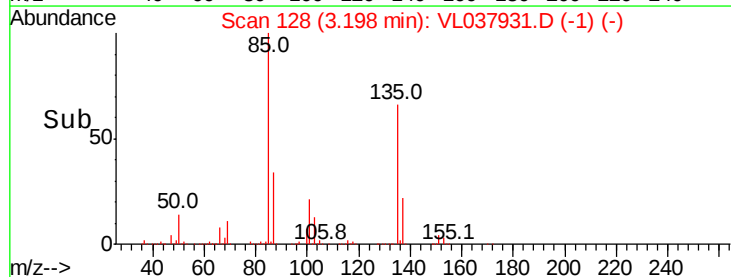
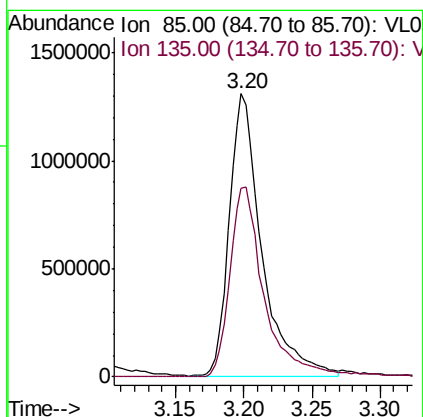
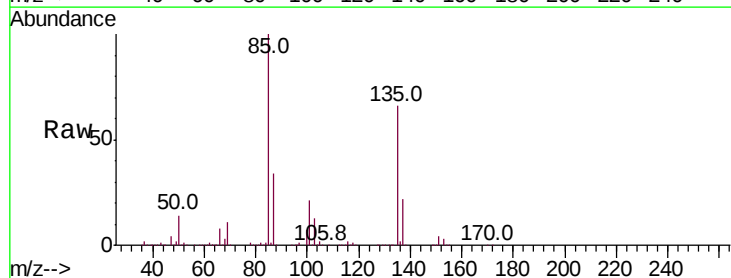
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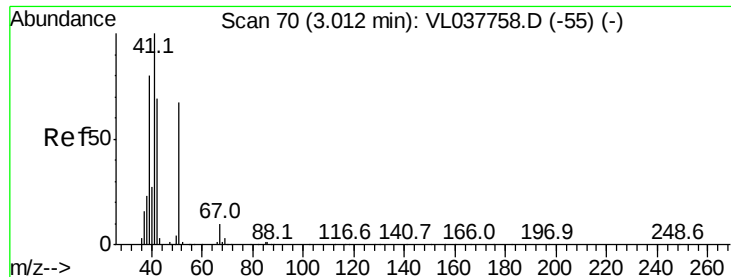
Tgt Ion: 85 Resp: 2158558

Ion Ratio Lower Upper

85 100

135 72.3 59.5 89.3





#9

Propene

Concen: 9.189 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

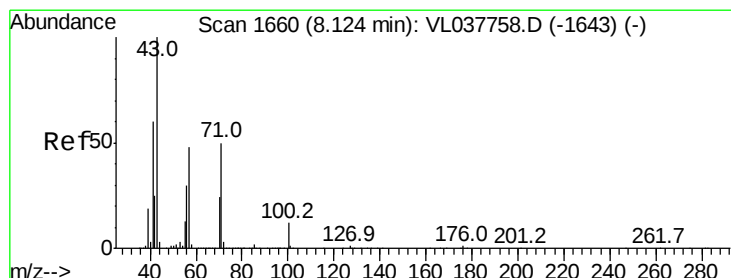
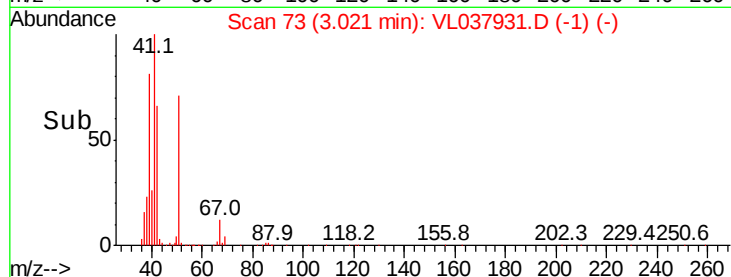
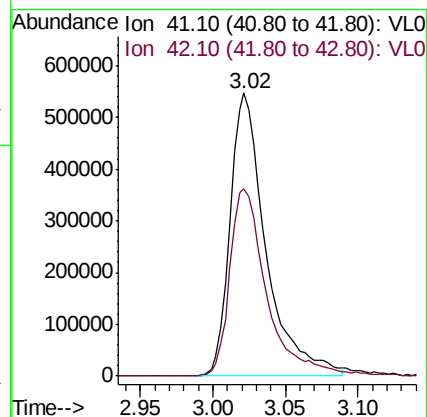
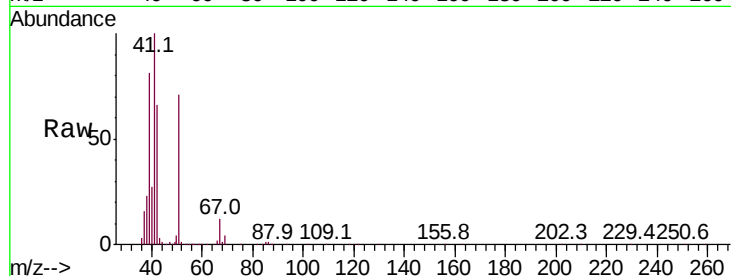
Acq: 28 Oct 2021 00:43 VSTDCCC010EC

Tot Ion: 41 Resp: 938224

Ion Ratio Lower Upper

41 100

42 69.2 54.2 81.2



#10

Heptane

Concen: 10.293 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL037931.D

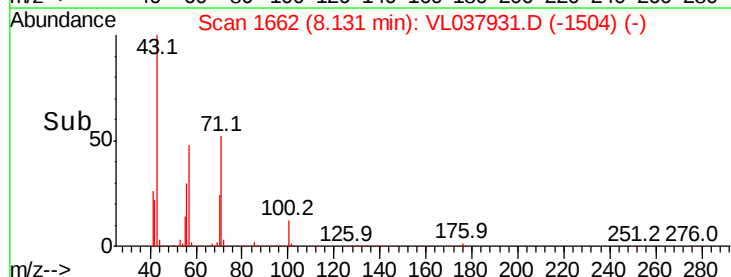
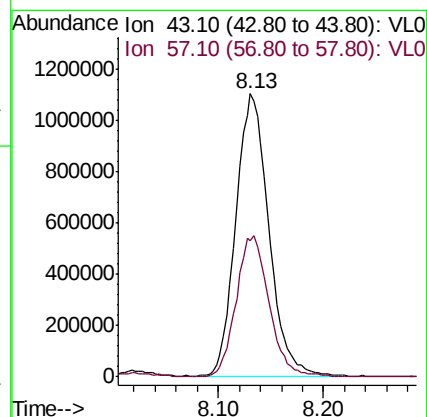
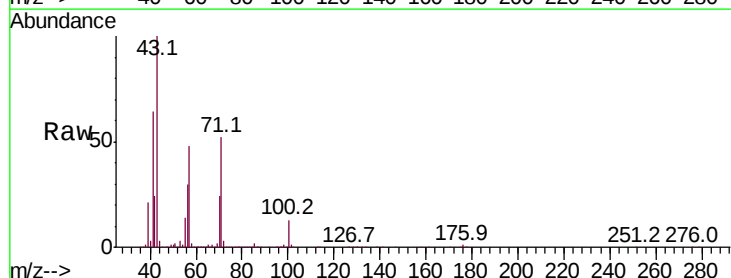
Acq: 28 Oct 2021 00:43

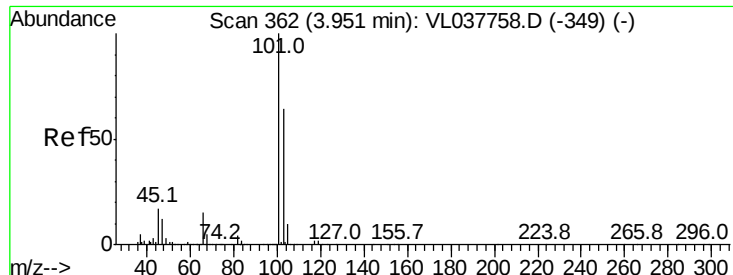
Tgt Ion: 43 Resp: 2386834

Ion Ratio Lower Upper

43 100

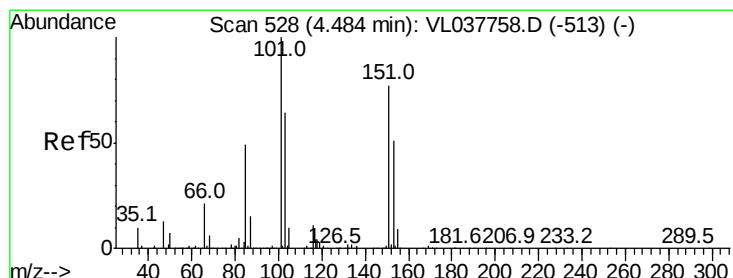
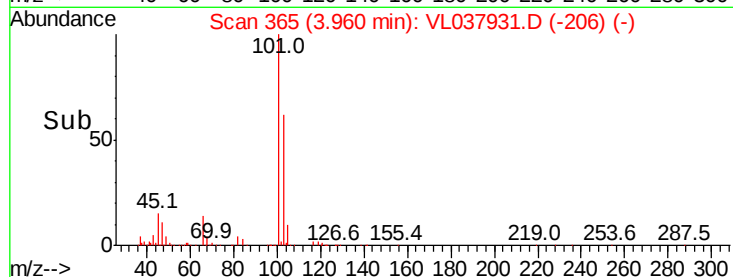
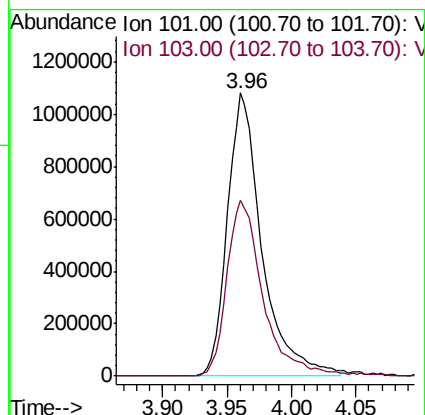
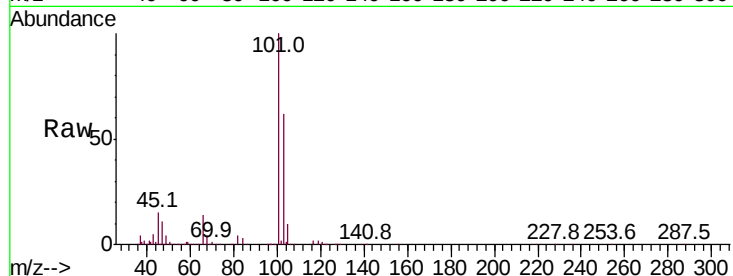
57 50.5 40.0 60.0





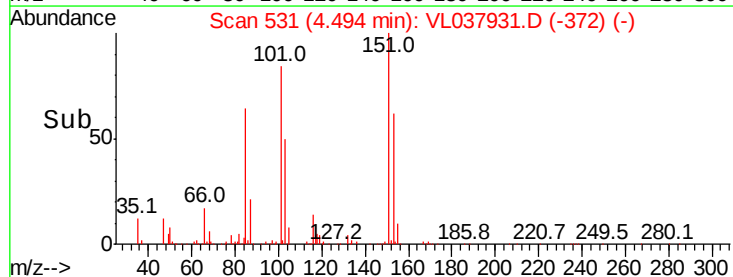
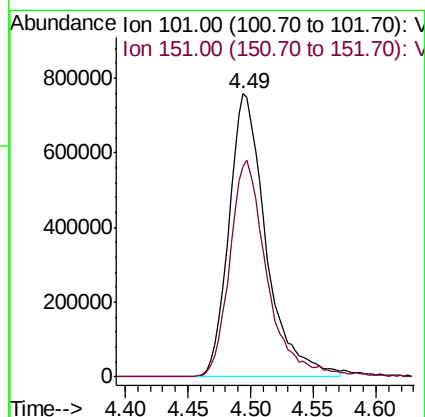
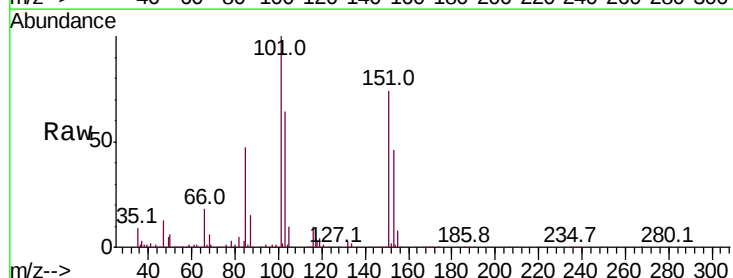
#11
 Trichlorofluoromethane
 Concen: 9.774 ppbv
 RT: 3.96
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

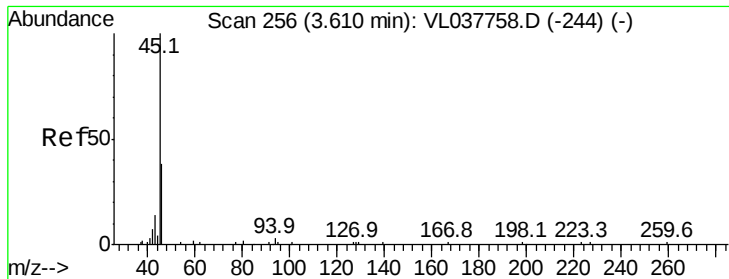
Tot Ion:101 Resp: 2011662
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.001 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

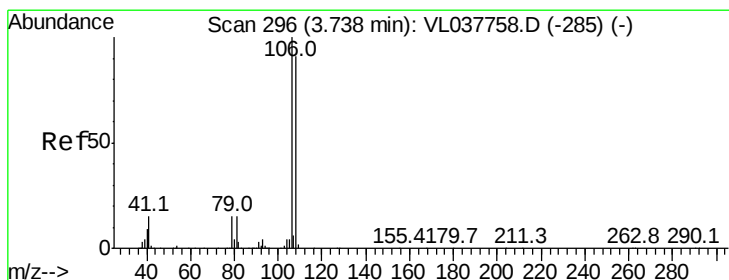
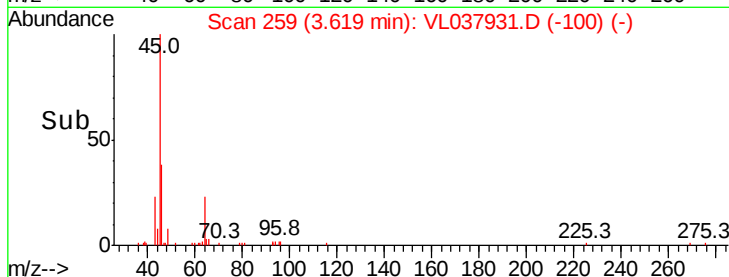
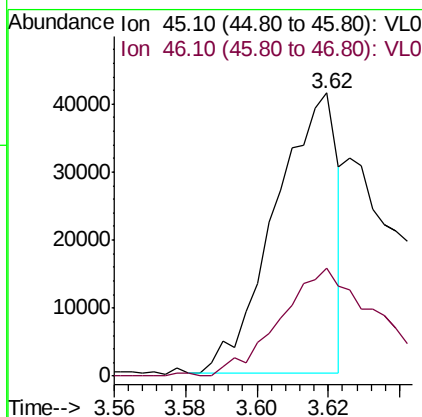
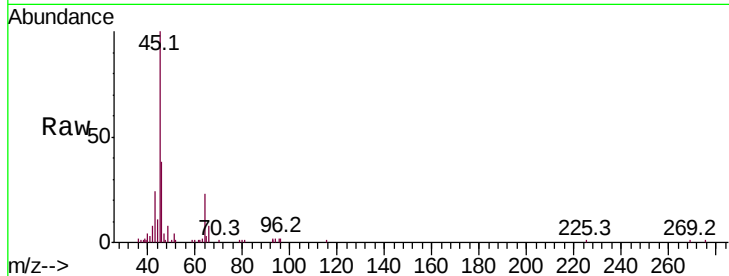
Tgt Ion:101 Resp: 1559521
 Ion Ratio Lower Upper
 101 100
 151 77.3 62.9 94.3





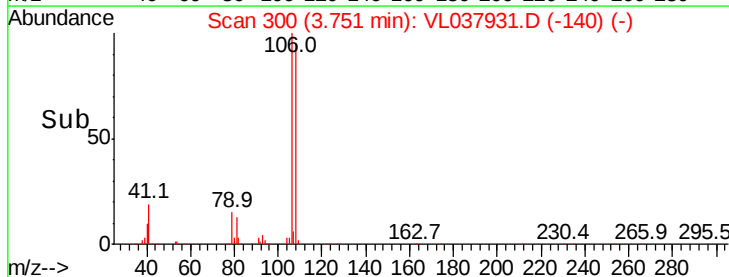
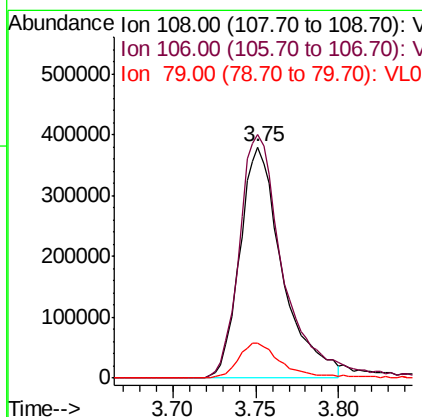
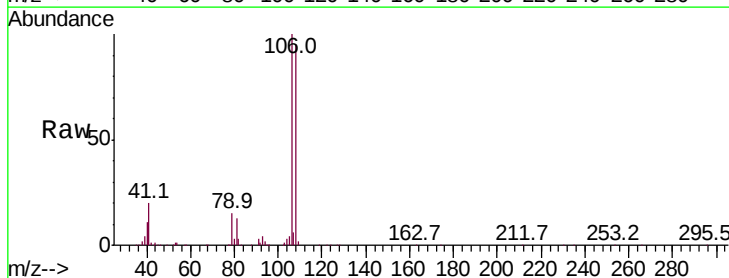
#13
Ethanol
Concen: 5.990 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 28 Oct 2021 00:43

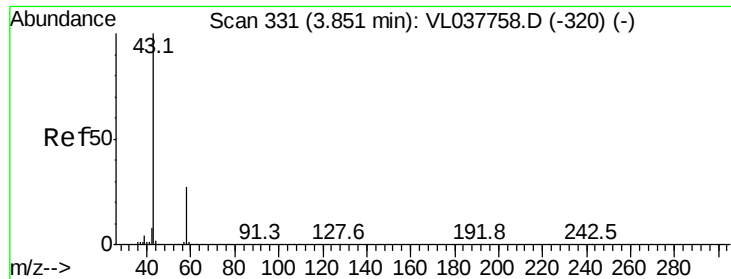
Tot Ion: 45 Resp: 50019
Ion Ratio Lower Upper
45 100
46 81.6 20.2 81.0#



#14
Bromoethene
Concen: 9.842 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

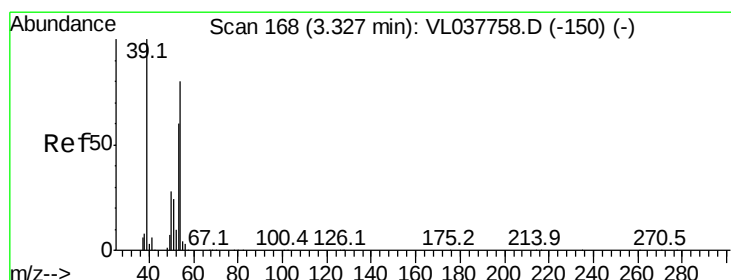
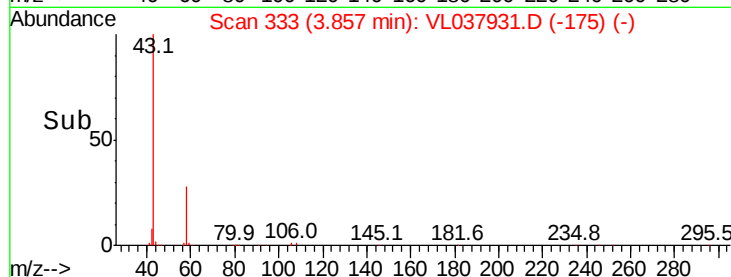
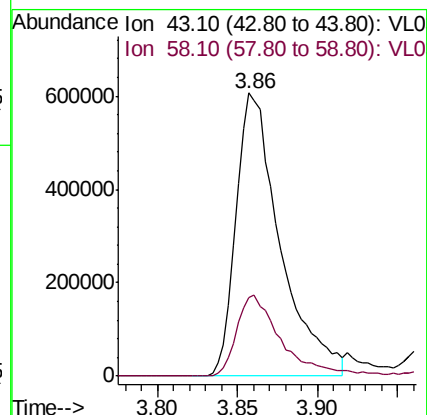
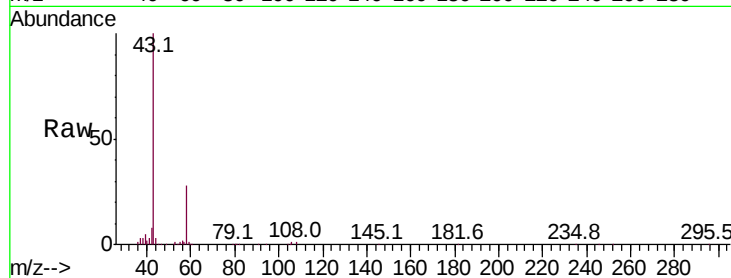
Tgt Ion: 108 Resp: 674791
Ion Ratio Lower Upper
108 100
106 112.5 91.9 137.9
79 16.5 13.9 20.9





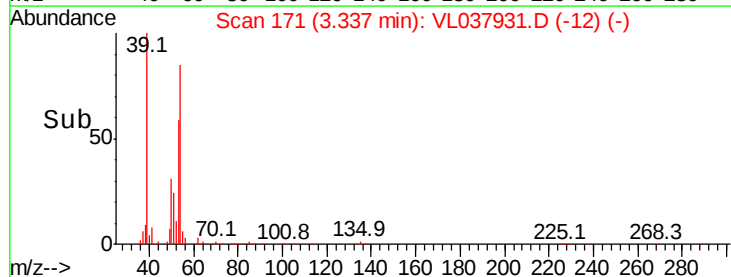
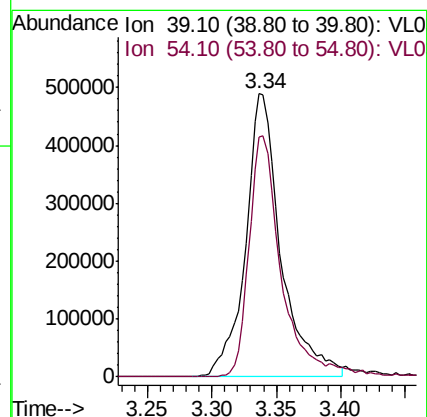
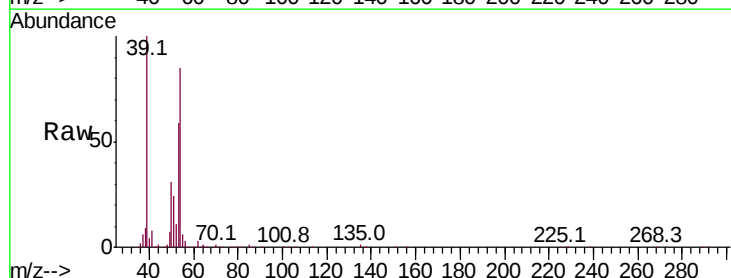
#15
Acetone
Concen: 8.819 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Oct 2021 00:43

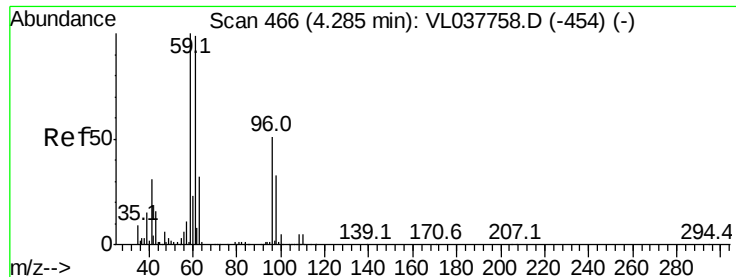
Tot Ion: 43 Resp: 1143364
Ion Ratio Lower Upper
43 100
58 28.9 23.0 34.6



#16
1,3-Butadiene
Concen: 9.902 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion: 39 Resp: 934067
Ion Ratio Lower Upper
39 100
54 79.2 61.7 92.5





#17

tert-Butyl alcohol

Concen: 9.316 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

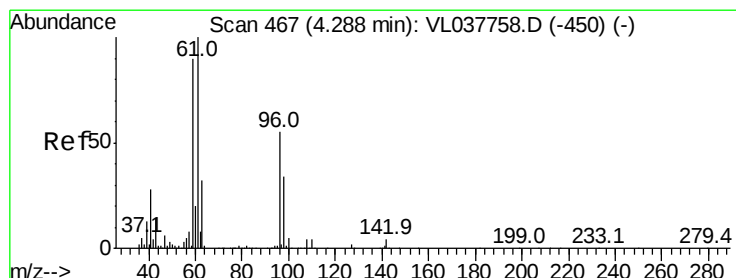
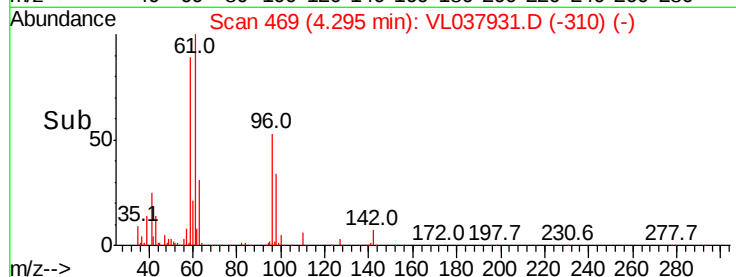
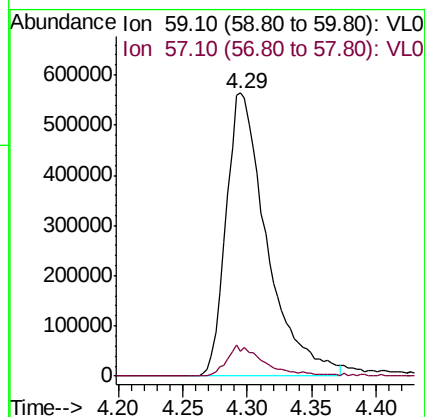
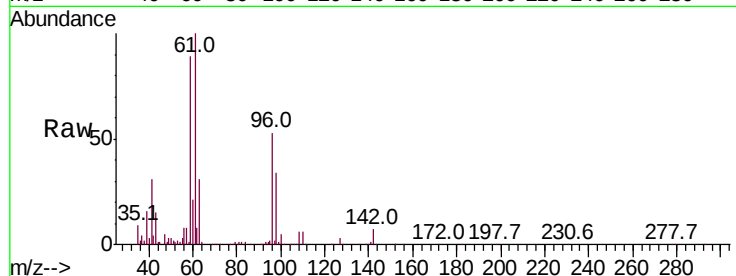
Acq: 28 Oct 2021 00:43 VSTDCCC010EC

Tot Ion: 59 Resp: 1243893

Ion Ratio Lower Upper

59 100

57 10.7 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.902 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

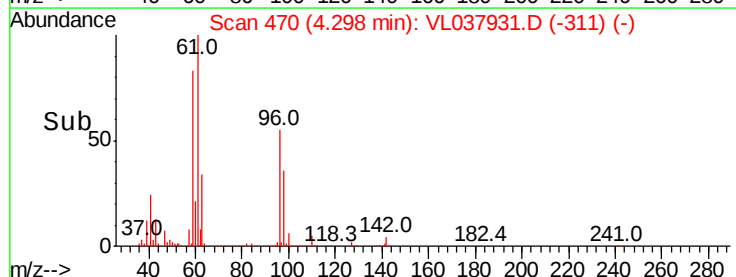
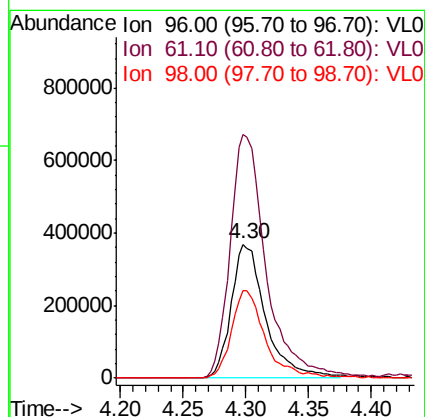
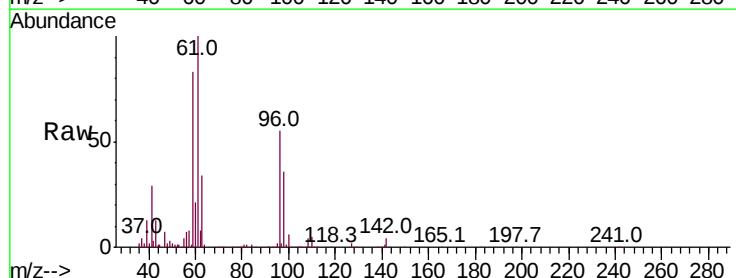
Tgt Ion: 96 Resp: 701715

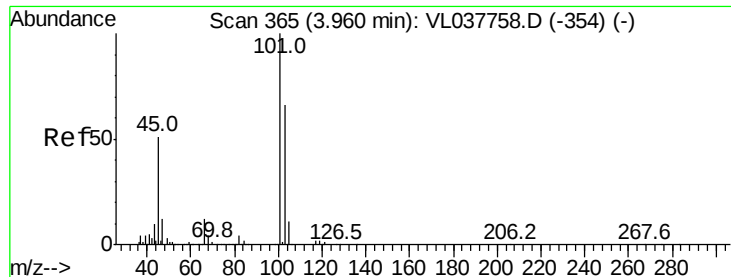
Ion Ratio Lower Upper

96 100

61 181.8 146.2 219.4

98 65.3 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.422 ppbv

RT: 3.98 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

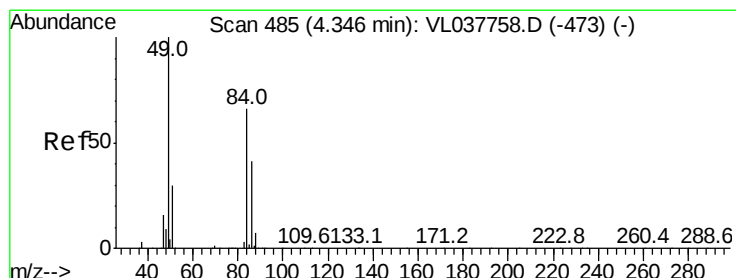
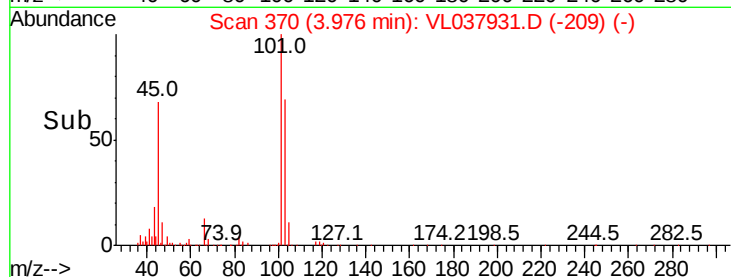
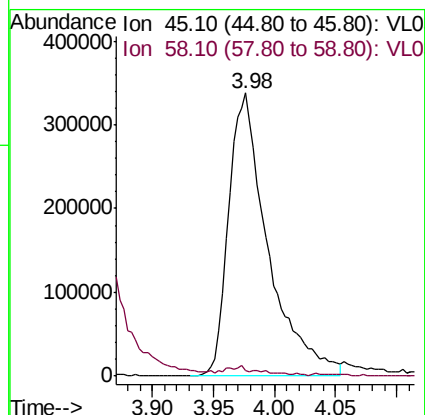
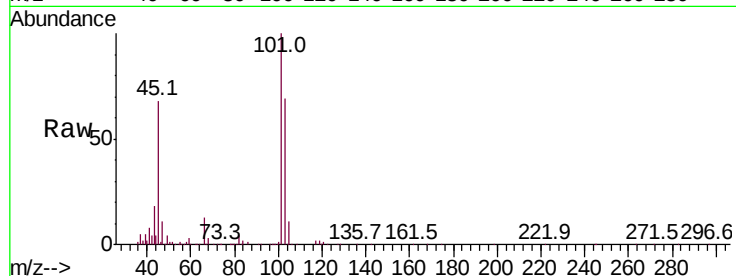
Acq: 28 Oct 2021 00:43 VSTDCCC010EC

Tot Ion: 45 Resp: 759942

Ion Ratio Lower Upper

45 100

58 2.2 1.1 1.7#



#20

Methylene Chloride

Concen: 8.886 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

Tgt Ion: 84 Resp: 582053

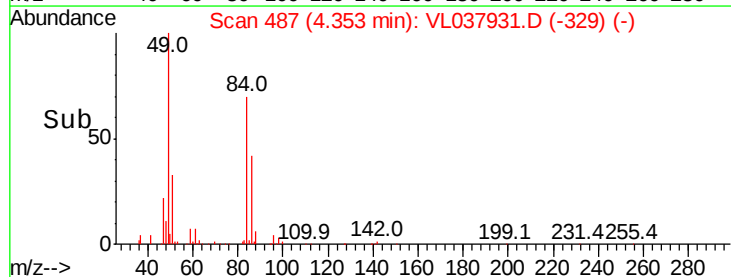
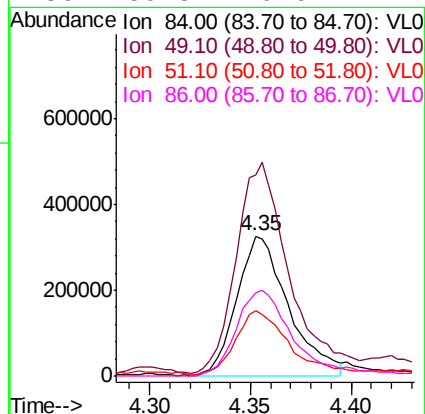
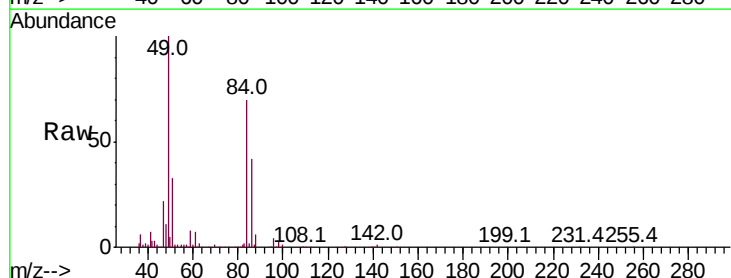
Ion Ratio Lower Upper

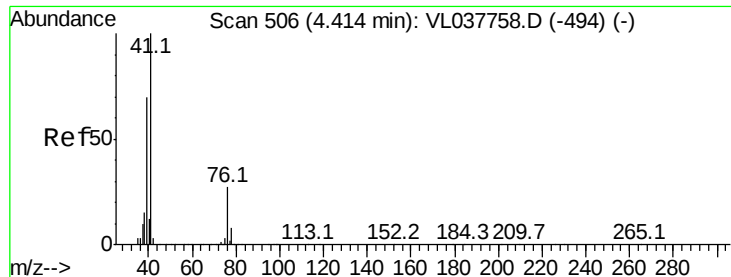
84 100

49 142.4 120.7 181.1

51 45.8 36.2 54.4

86 59.8 49.6 74.4

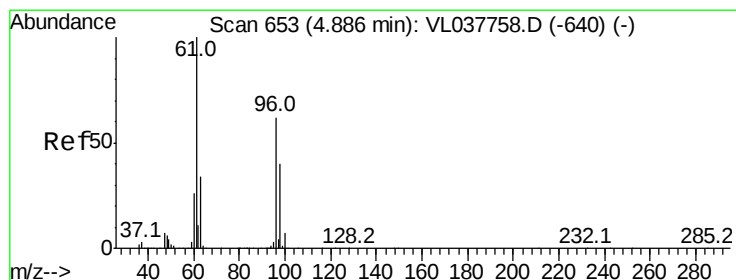
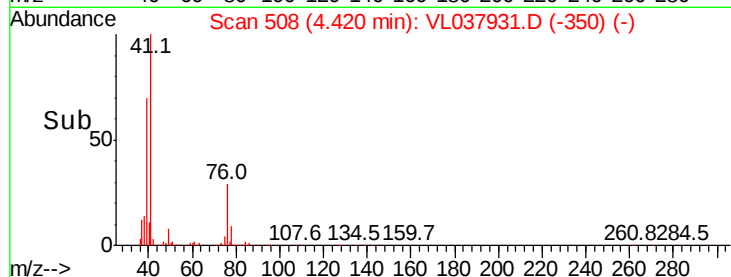
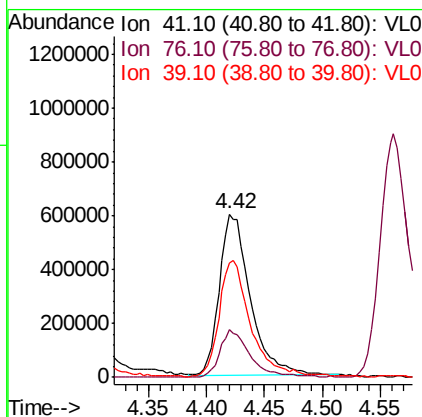
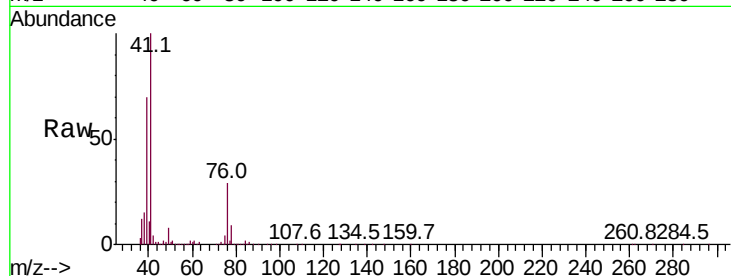




#21
 Allvl Chloride
 Concen: 9.718 ppbv
 RT: 4.42
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

Tot Ion: 41 Resp: 1116126

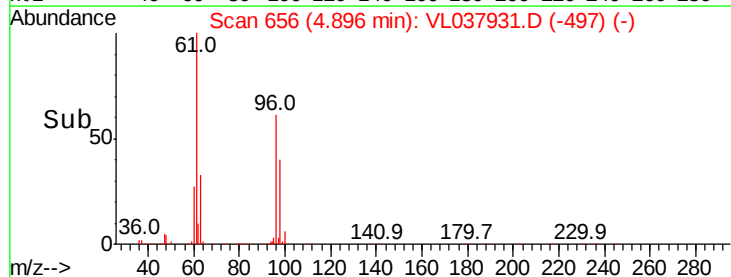
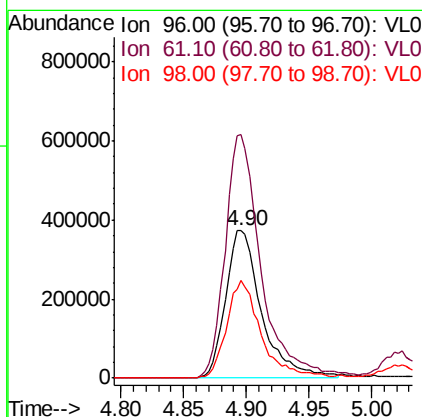
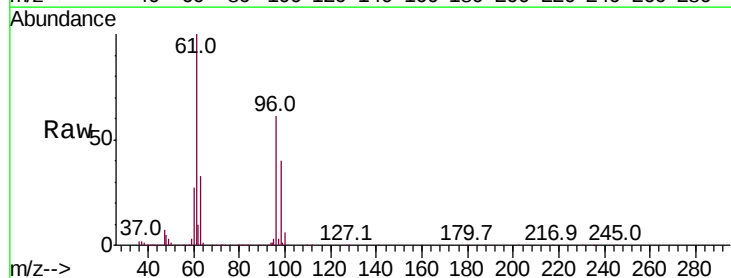
Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.4	33.6
39	72.8	58.0	87.0

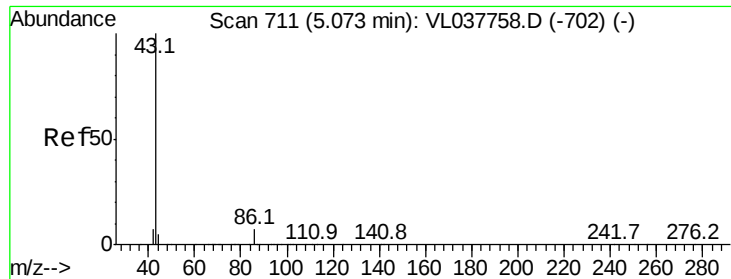


#22
 trans-1,2-Dichloroethene
 Concen: 10.433 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

Tgt Ion: 96 Resp: 743329

Ion	Ratio	Lower	Upper
96	100		
61	164.7	129.0	193.6
98	65.8	51.7	77.5





#23

Vinyl Acetate

Concen: 9.646 ppbv

RT: 5.09 Instrument: MSVOA_1

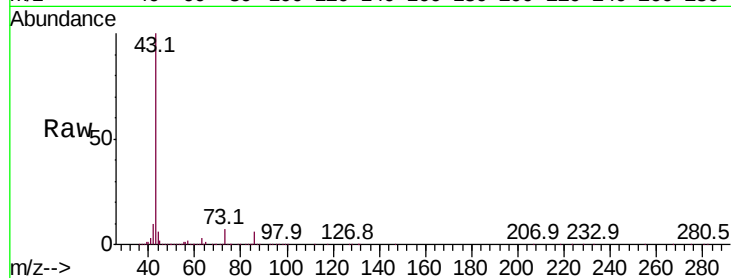
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

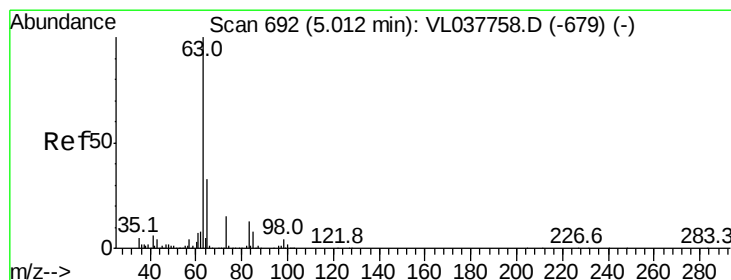
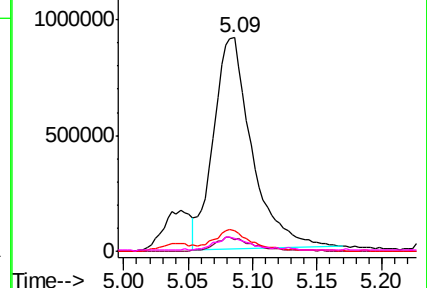
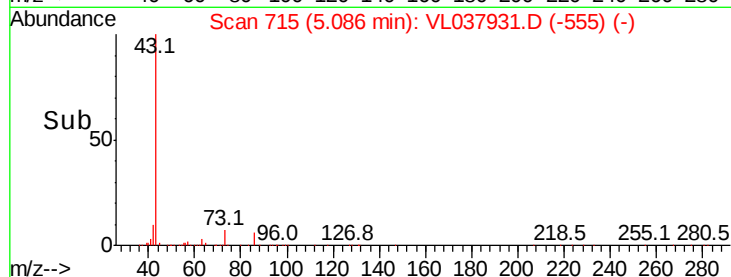
Acq: 28 Oct 2021 00:43

Tot Ion: 43 Resp: 1874058

Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.0	7.4
42	9.6	7.4	11.0
44	5.7	3.8	5.6#



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



#24

1,1-Dichloroethane

Concen: 10.317 ppbv

RT: 5.02 min Scan# 695

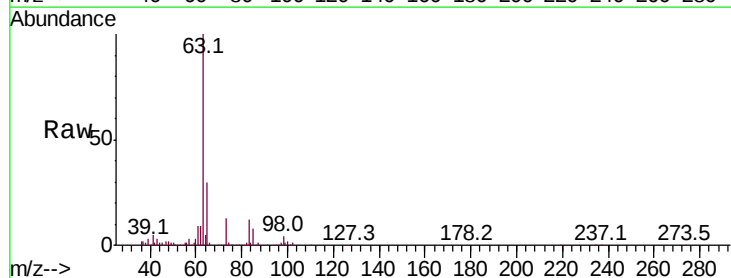
Delta R.T. 0.01 min

Lab File: VL037931.D

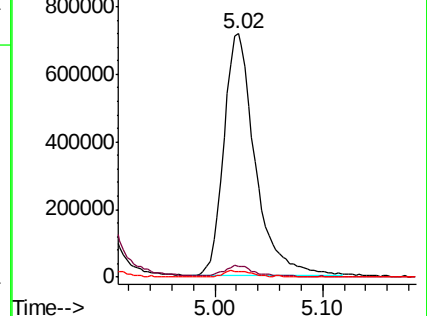
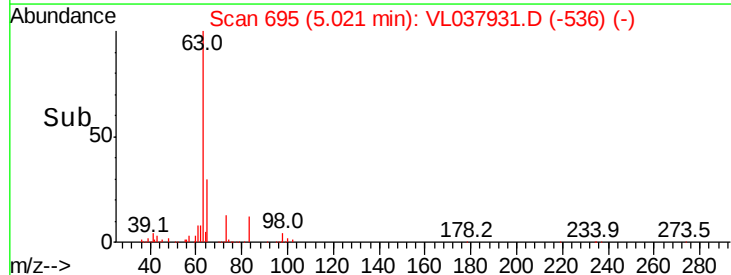
Acq: 28 Oct 2021 00:43

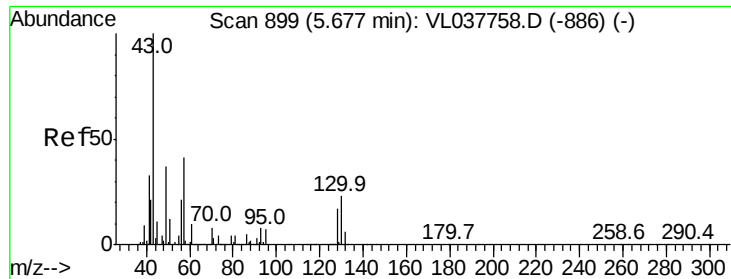
Tgt Ion: 63 Resp: 1459161

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.9
100	2.4	1.1	3.1



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

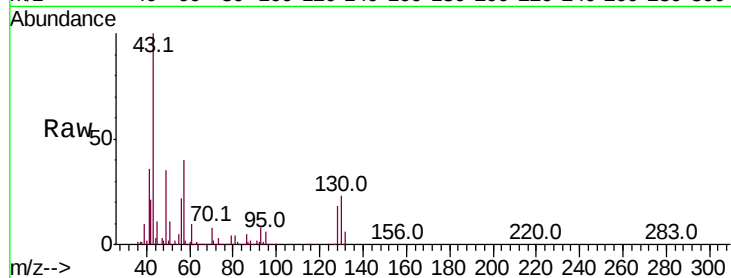




#25
Ethyl Acetate
Concen: 10.111 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Oct 2021 00:43

Tot Ion: 43 Resp: 3678362

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.1	12.1
61	9.7	7.5	11.3
70	7.3	5.9	8.9



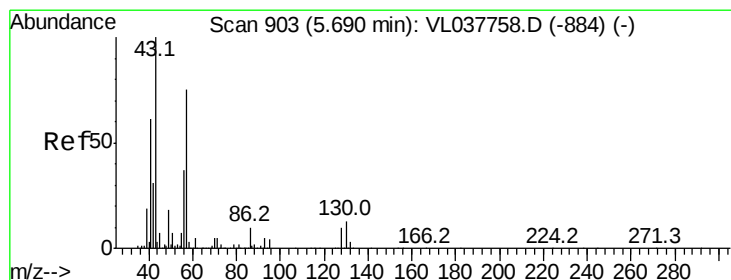
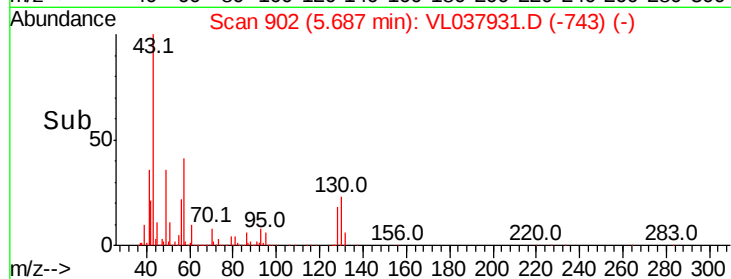
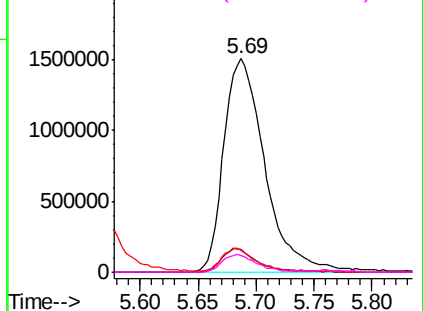
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.658 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion: 57 Resp: 1730136

Ion	Ratio	Lower	Upper
57	100		
41	88.8	69.6	104.4
43	217.0	171.4	257.0
56	54.3	42.0	63.0

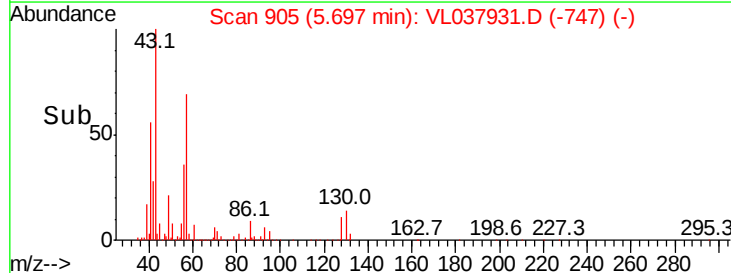
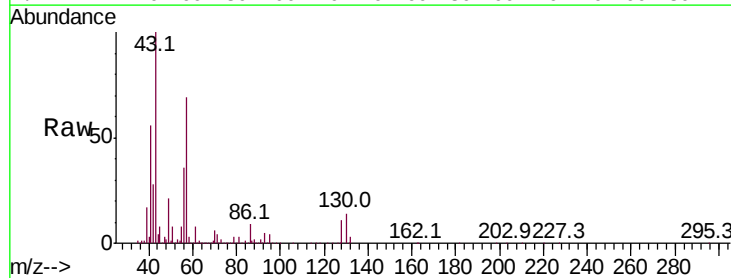
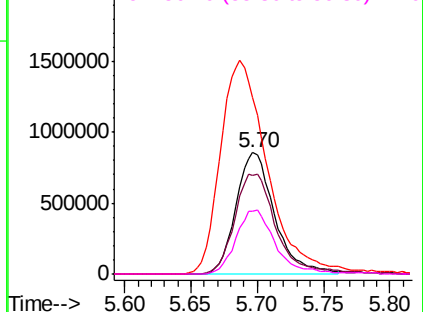
Abundance

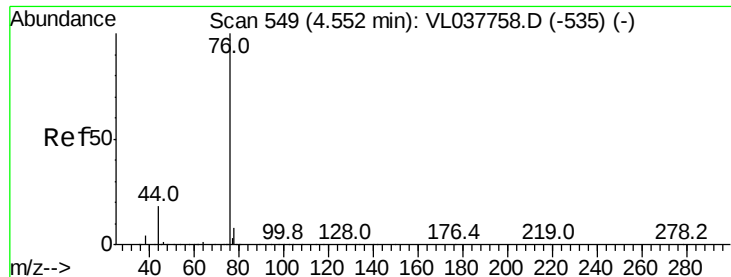
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.151 ppbv

RT: 4.56

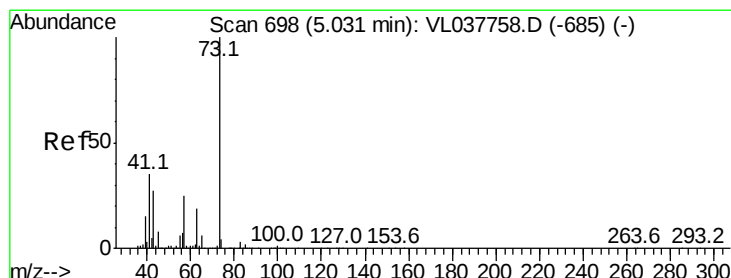
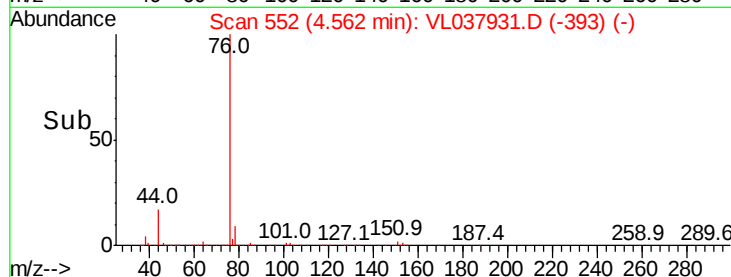
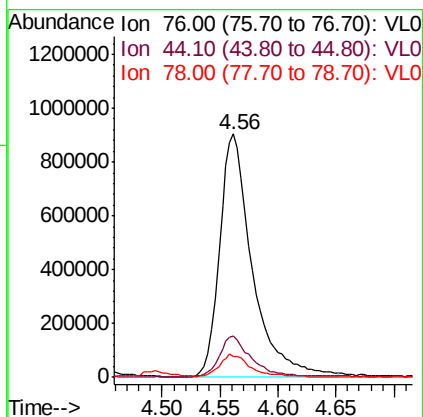
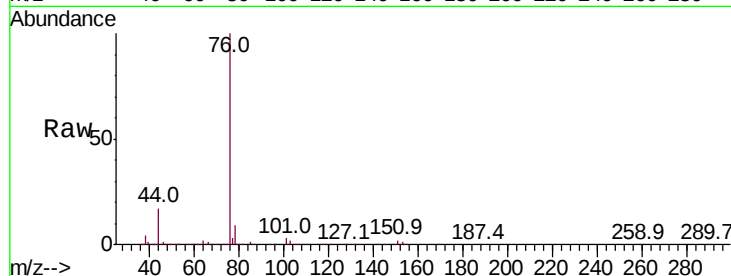
Delta R.T. MSVOA_L

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 28 Oct 2021 00:43

Tot Ion: 76 Resp: 1770364

Ion	Ratio	Lower	Upper
76	100		
44	16.5	14.3	21.5
78	10.0	7.8	11.6



#28

Methyl tert-Butyl Ether

Concen: 9.209 ppbv

RT: 5.04 min Scan# 702

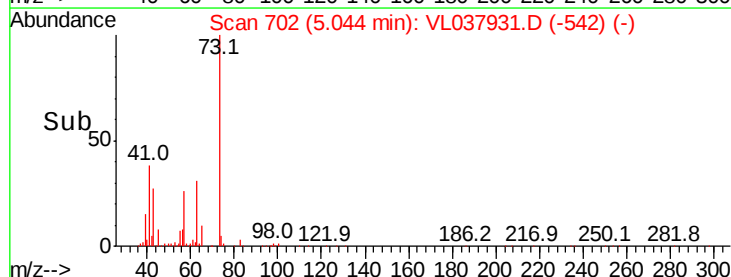
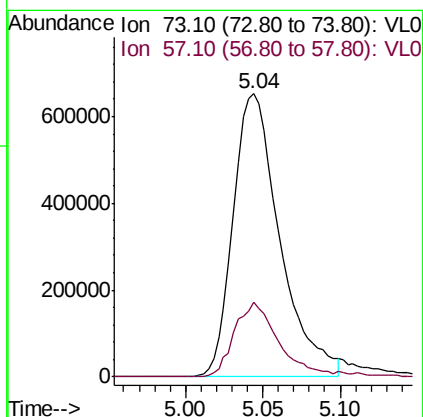
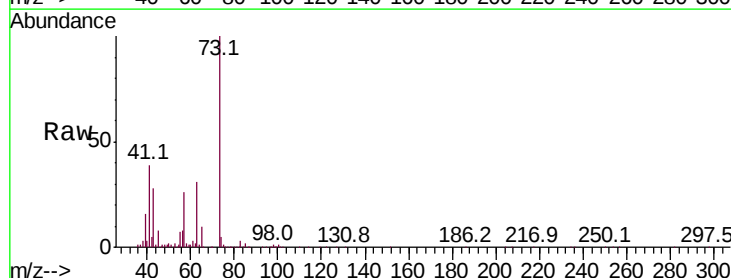
Delta R.T. 0.01 min

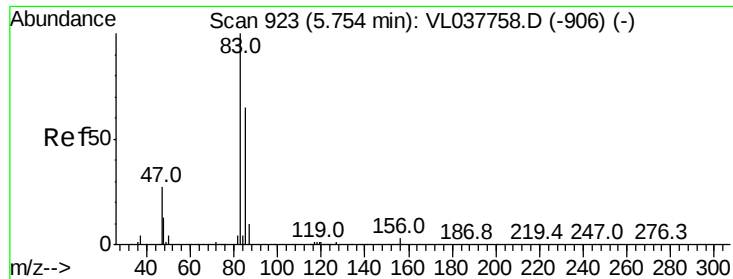
Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

Tgt Ion: 73 Resp: 1373527

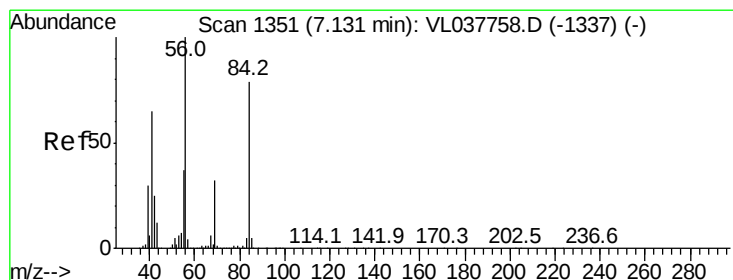
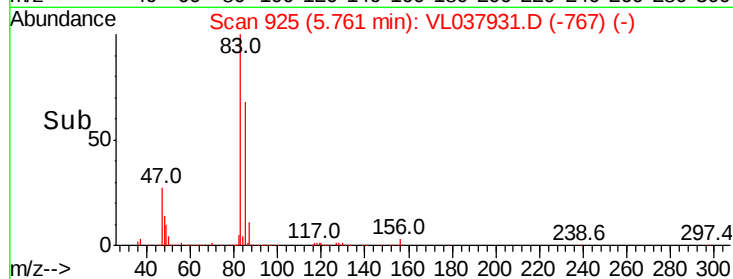
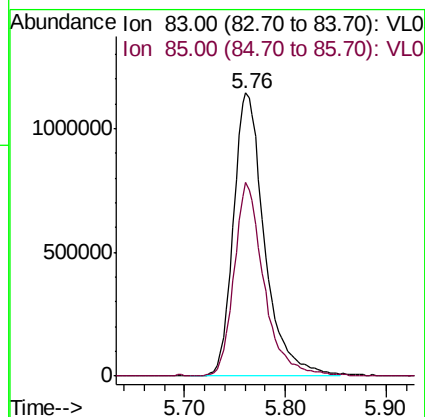
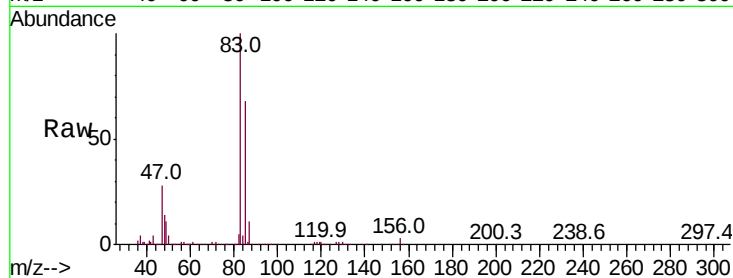
Ion	Ratio	Lower	Upper
73	100		
57	26.1	20.4	30.6





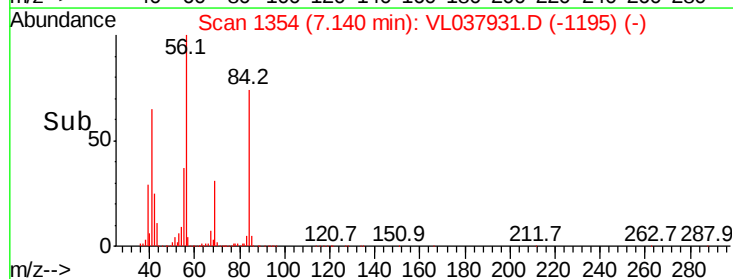
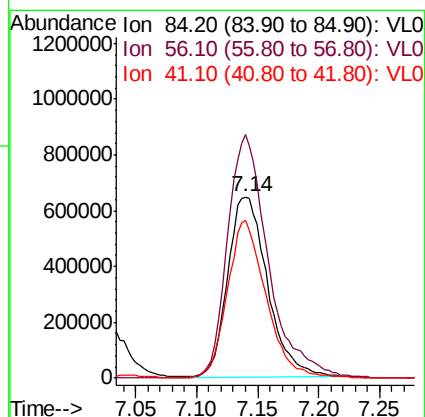
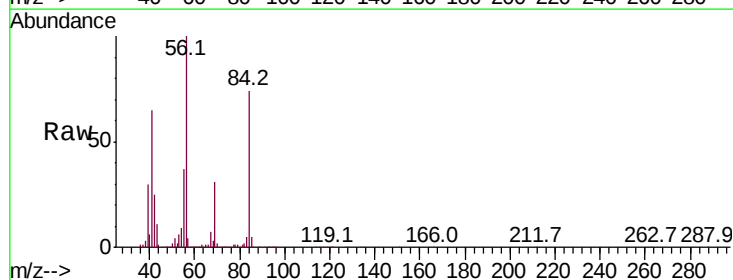
#29
Chloroform
Concen: 9.575 ppbv
RT: 5.76
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Oct 2021 00:43
VSTDCCC010EC

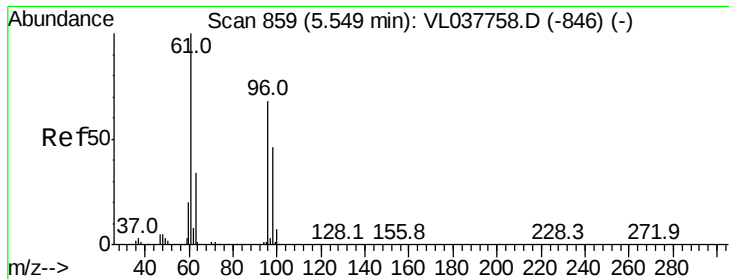
Tot Ion: 83 Resp: 2451723
Ion Ratio Lower Upper
83 100
85 68.2 51.8 77.8



#30
Cyclohexane
Concen: 9.689 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion: 84 Resp: 1471843
Ion Ratio Lower Upper
84 100
56 139.1 113.0 169.4
41 85.4 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 9.805 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Oct 2021 00:43 VSTDCCC010EC

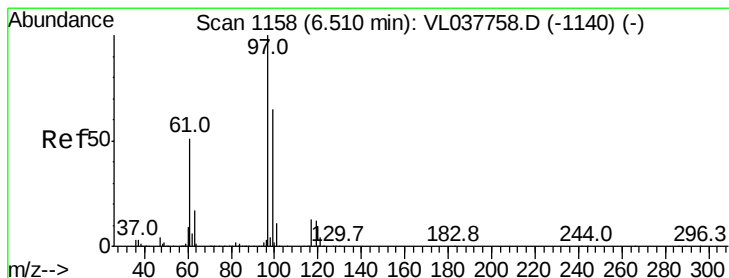
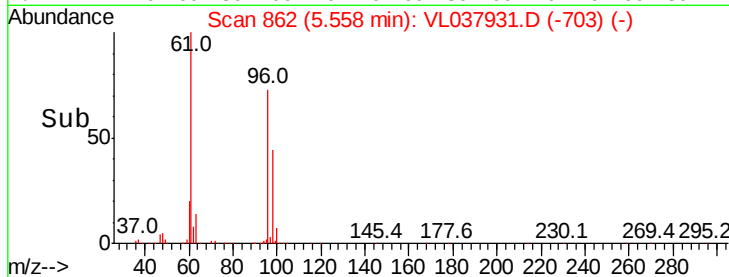
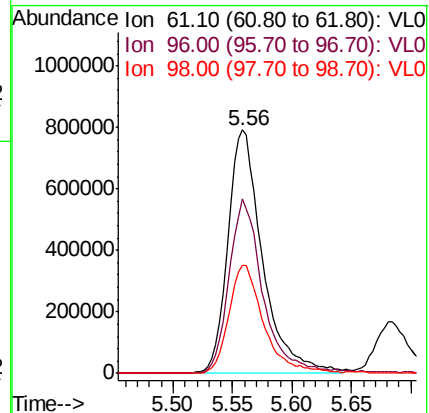
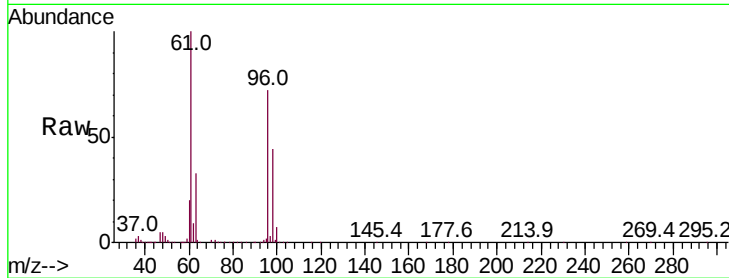
Tot Ion: 61 Resp: 1594487

Ion Ratio Lower Upper

61 100

96 71.9 54.2 81.2

98 44.3 36.6 54.8



#32

1,1,1-Trichloroethane

Concen: 9.533 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

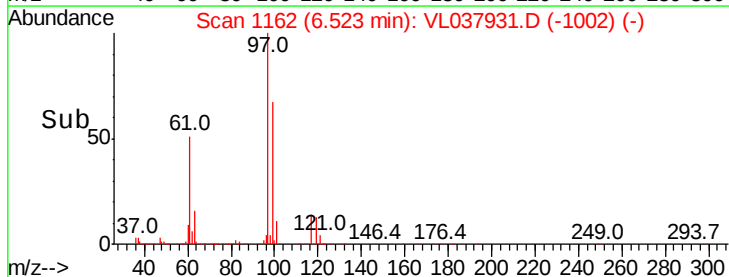
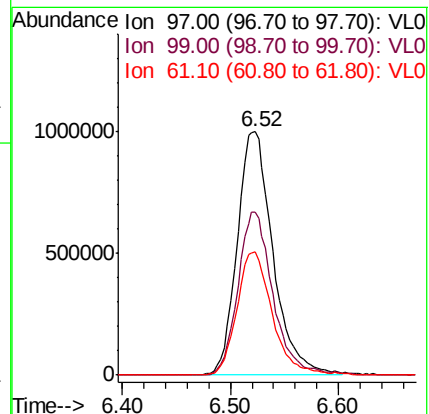
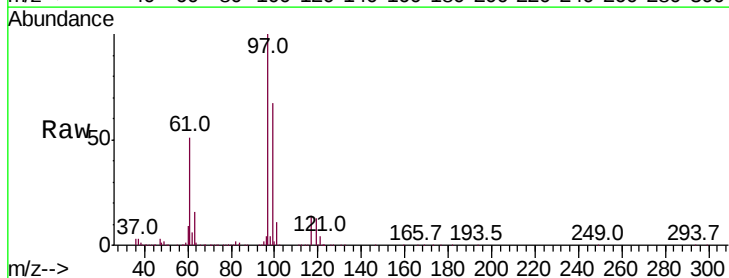
Tgt Ion: 97 Resp: 2314207

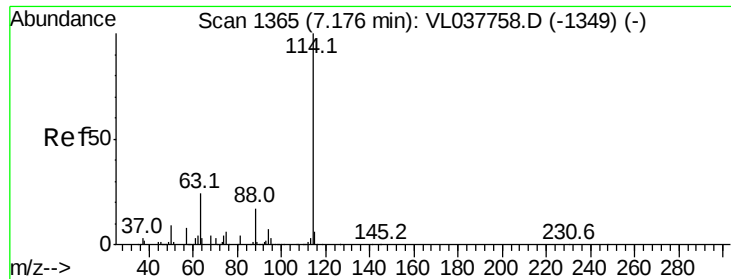
Ion Ratio Lower Upper

97 100

99 65.8 52.6 78.8

61 50.0 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19

Instrument: MSVOA_1

Delta R.T.:

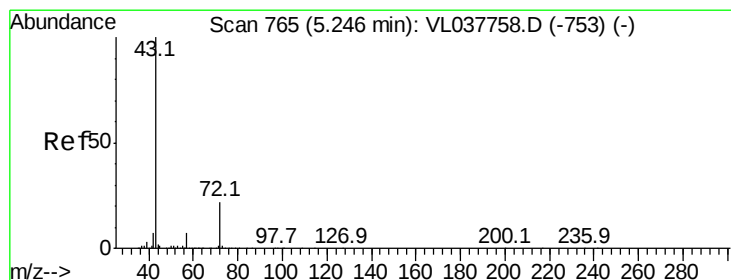
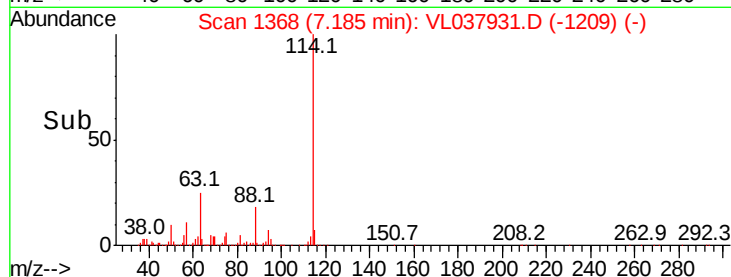
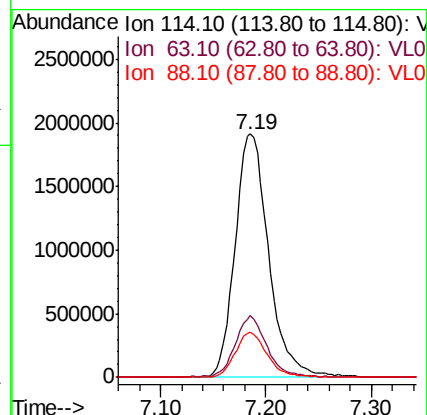
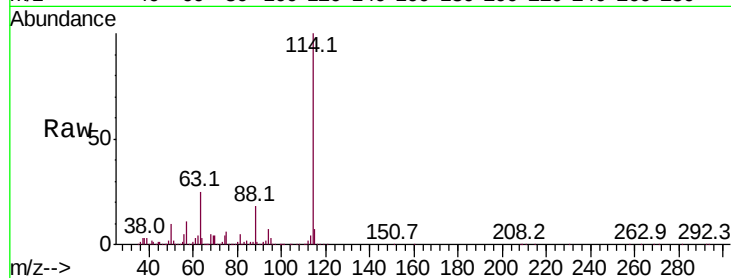
ClientSampleId: VSTDCCC010EC

Lab File:

Acq: 28 Oct 2021 00:43

Tot Ion:114 Resp: 4214278

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.4	29.2
88	17.8	14.4	21.6



#34

2-Butanone

Concen: 9.639 ppbv

RT: 5.25 min Scan# 767

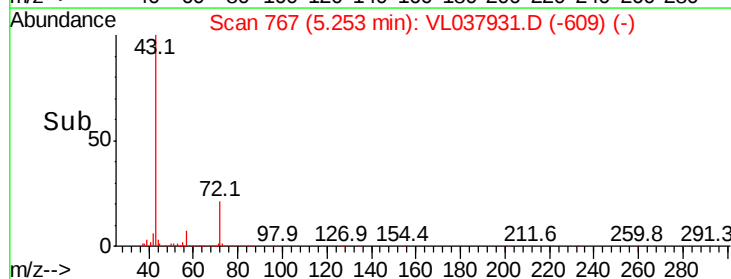
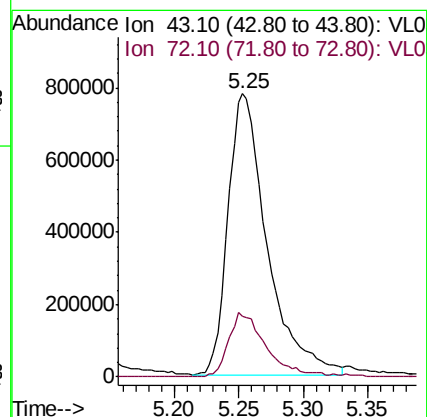
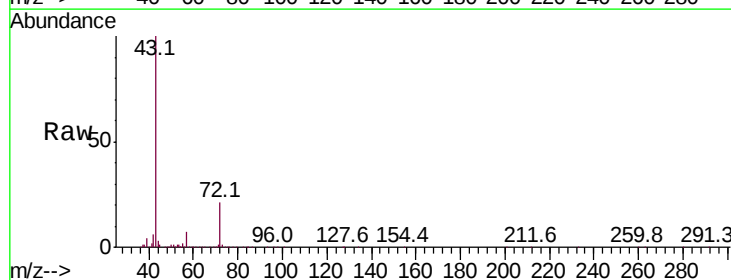
Delta R.T. 0.01 min

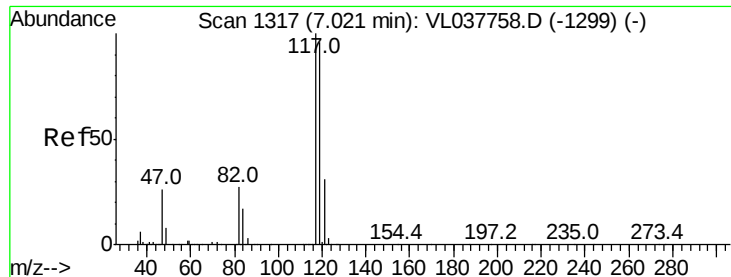
Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

Tgt Ion: 43 Resp: 1639912

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2





#35

Carbon Tetrachloride

Concen: 10.008 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Oct 2021 00:43 VSTDCCC010EC

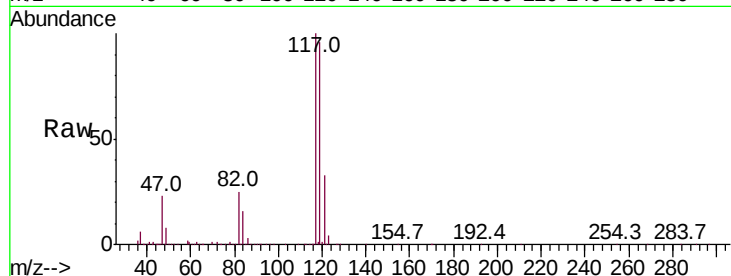
Tot Ion:117 Resp: 2395214

Ion Ratio Lower Upper

117 100

119 96.2 76.5 114.7

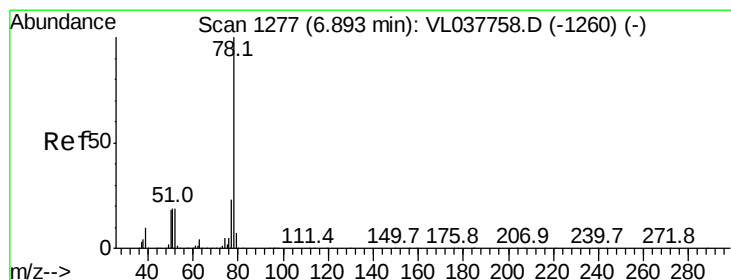
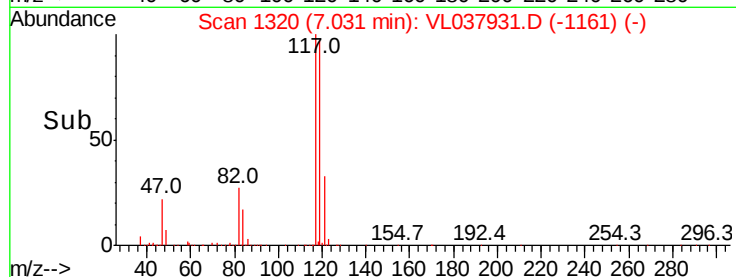
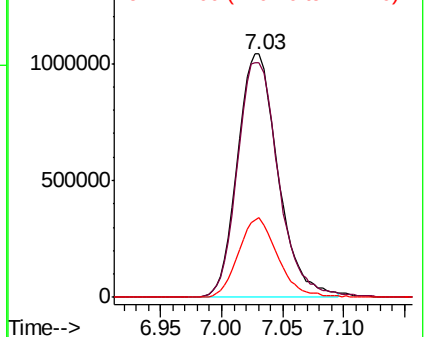
121 33.0 24.9 37.3



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: 9.974 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

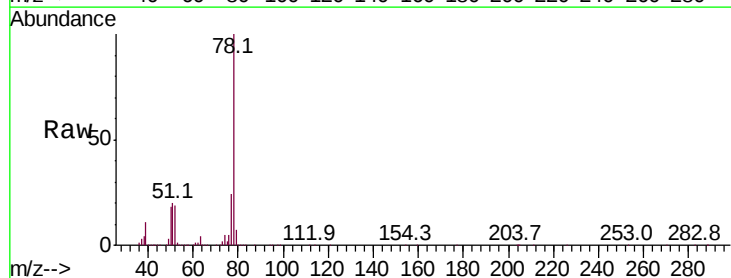
Tgt Ion: 78 Resp: 3590158

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

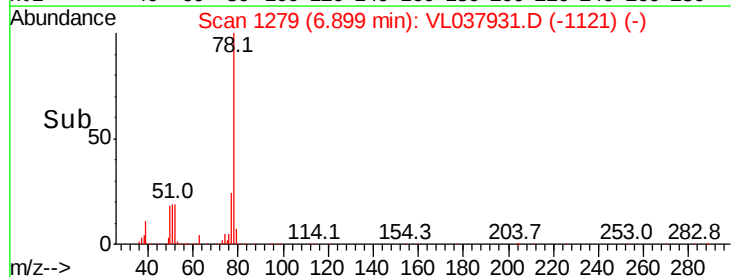
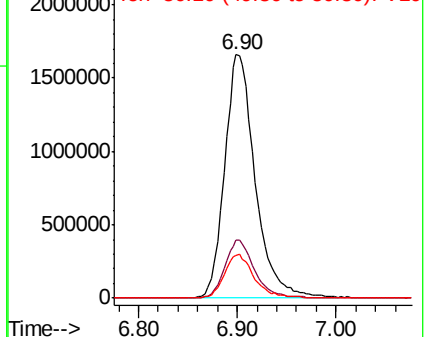
50 17.7 14.7 22.1

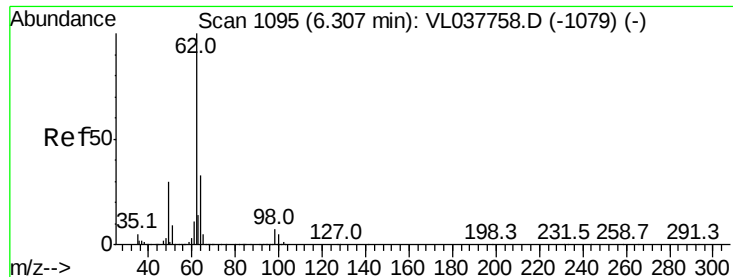


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

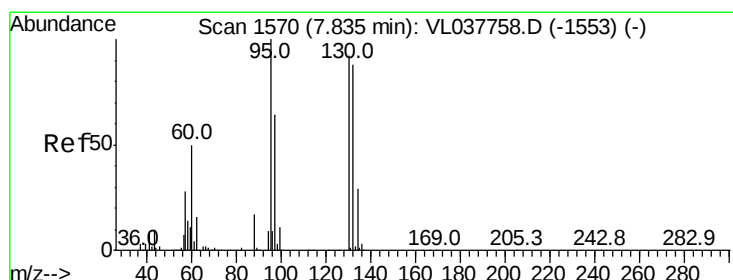
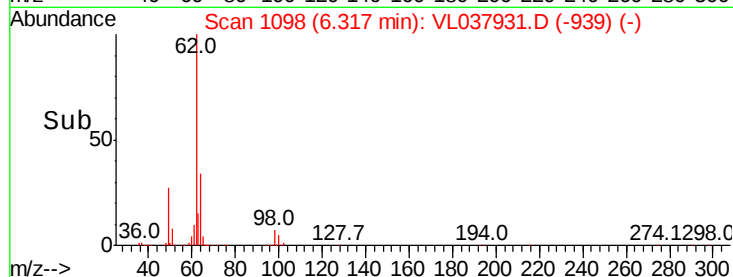
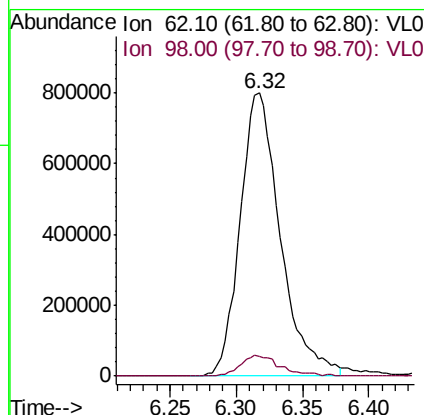
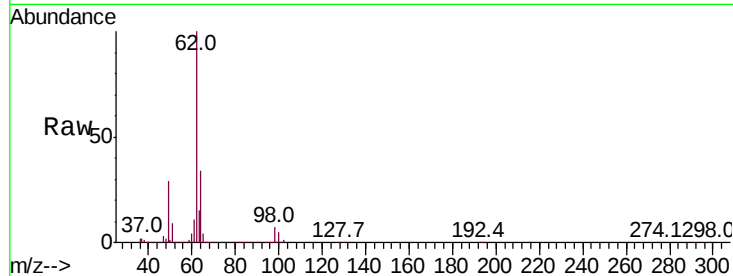
Ion 50.10 (49.80 to 50.80): VL0





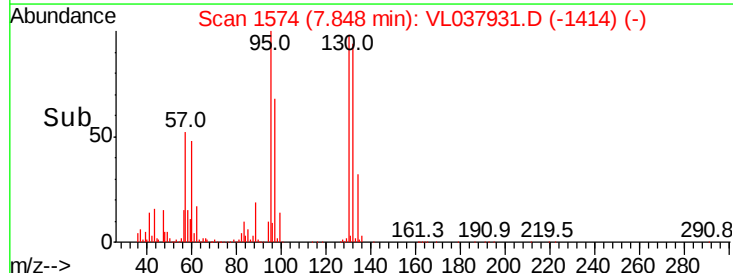
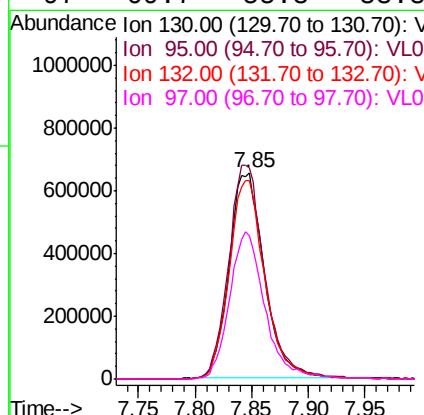
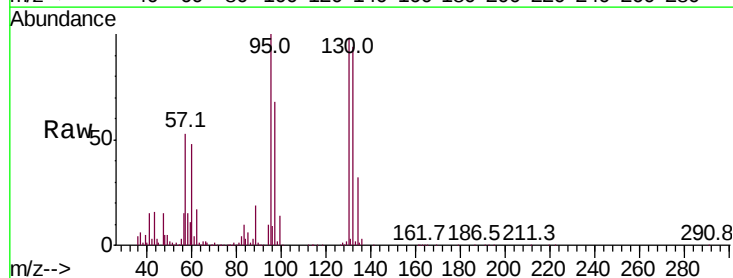
#37
 1,2-Dichloroethane
 Concen: 9.970 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

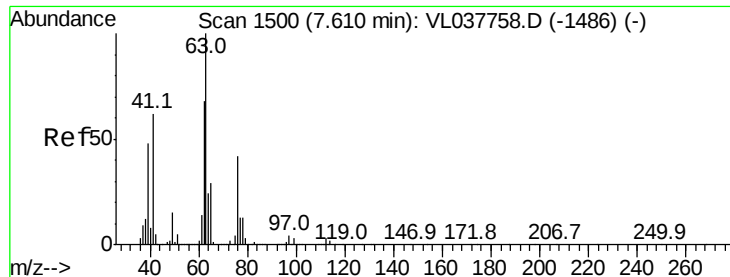
Tot Ion: 62 Resp: 1689828
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.1 9.1



#38
 Trichloroethene
 Concen: 9.982 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

Tgt Ion:130 Resp: 1419443
 Ion Ratio Lower Upper
 130 100
 95 102.7 87.4 131.0
 132 96.1 76.8 115.2
 97 69.7 55.8 83.8





#39

1,2-Dichloropropane

Concen: 10.162 ppbv

RT: 7.63 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Oct 2021 00:43 VSTDCCC010EC

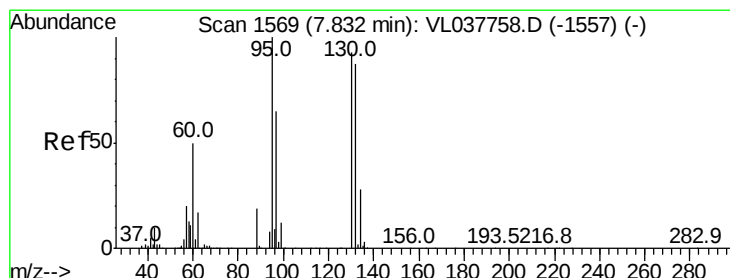
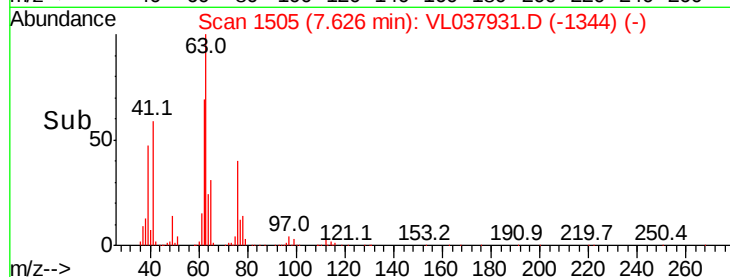
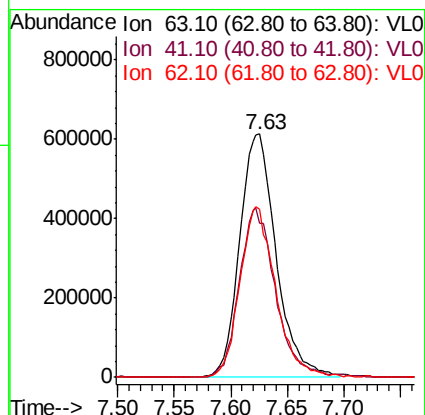
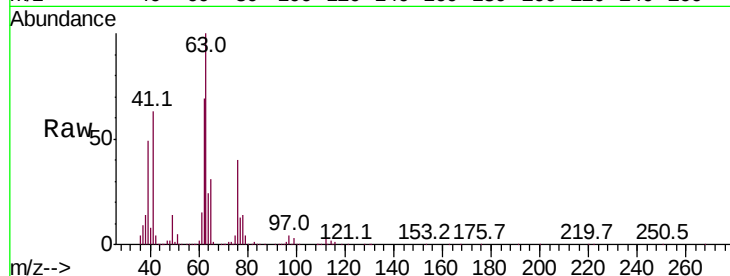
Tot Ion: 63 Resp: 1375846

Ion Ratio Lower Upper

63 100

41 63.1 49.8 74.6

62 68.8 54.6 82.0



#40

1,4-Dioxane

Concen: 10.193 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

Tgt Ion: 88 Resp: 345339

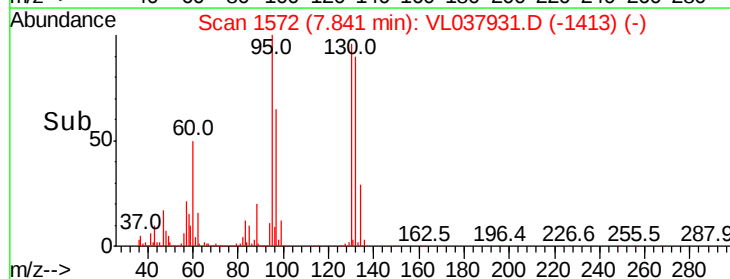
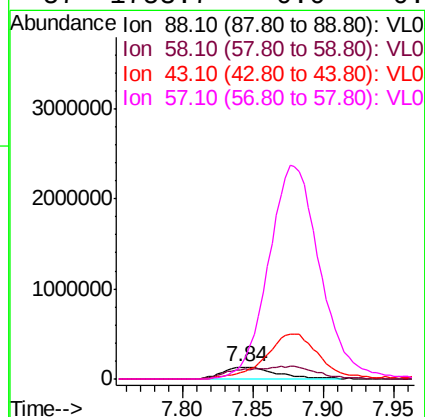
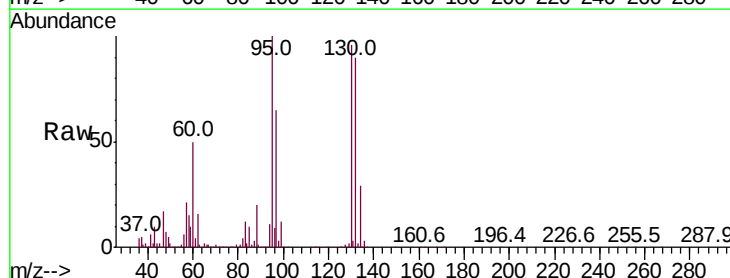
Ion Ratio Lower Upper

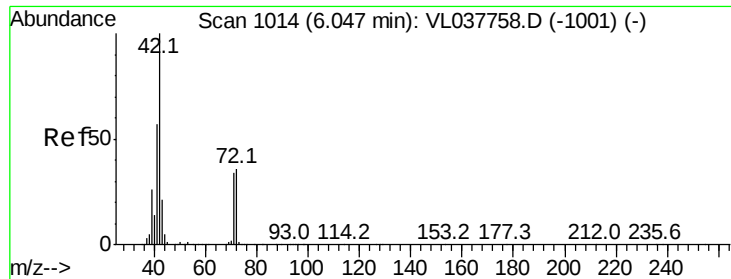
88 100

58 159.7 0.0 0.0#

43 392.6 0.0 0.0#

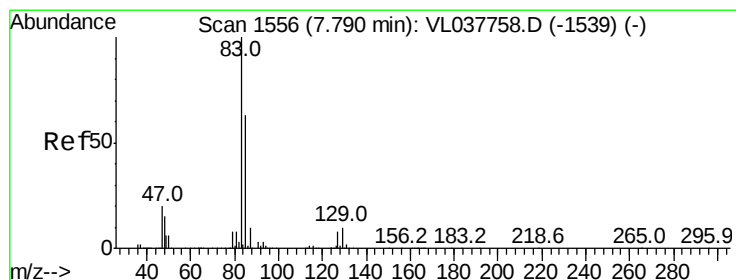
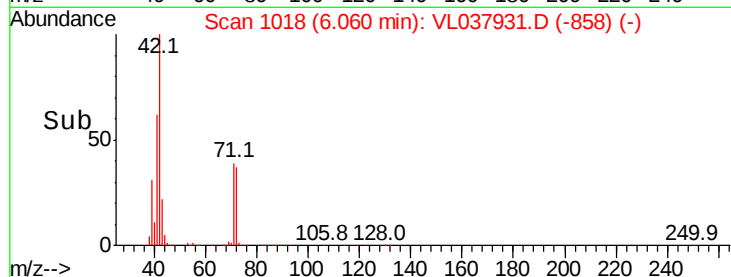
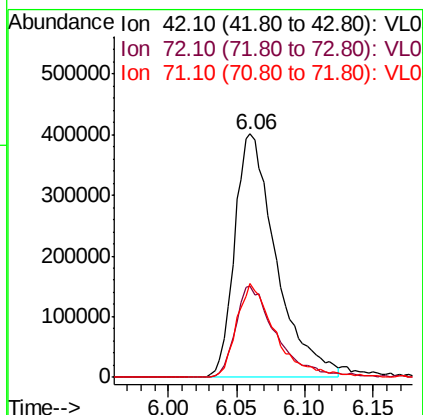
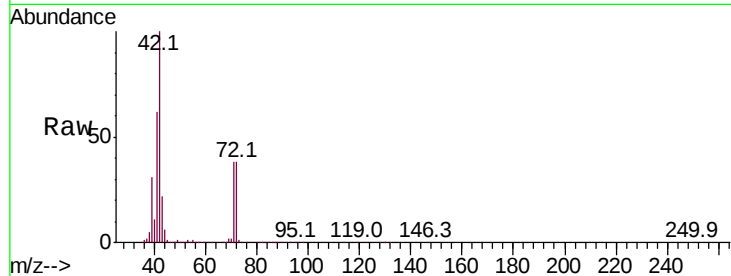
57 1753.7 0.0 0.0#





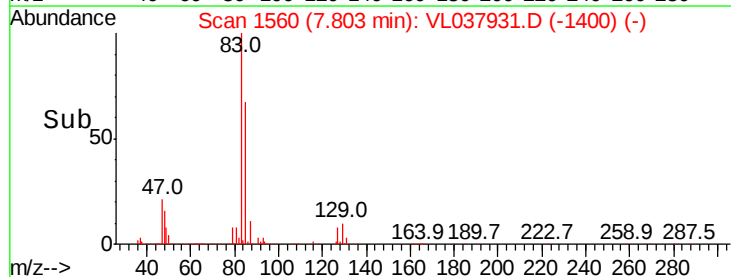
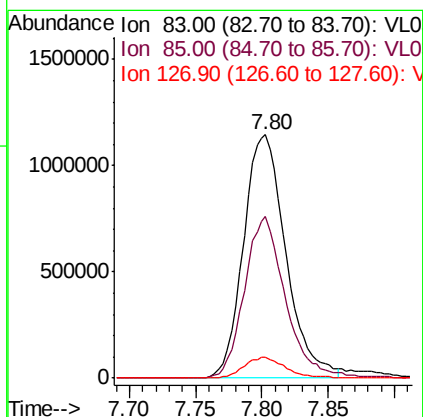
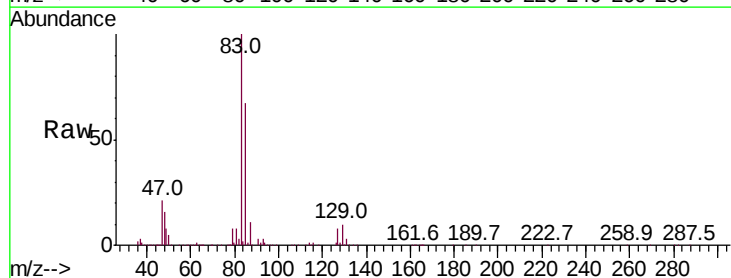
#41
Tetrahydrofuran
Concen: 10.150 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 28 Oct 2021 00:43

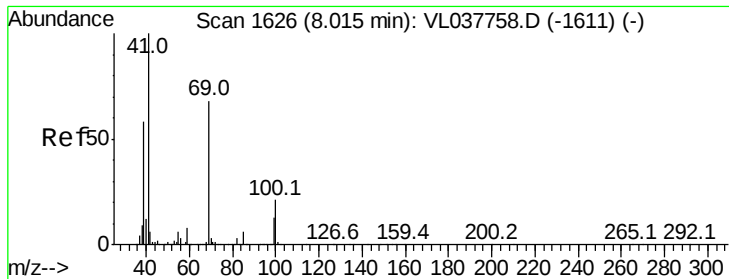
Tot Ion: 42 Resp: 845633
Ion Ratio Lower Upper
42 100
72 37.2 31.9 47.9
71 37.0 30.3 45.5



#42
Bromodichloromethane
Concen: 10.236 ppbv
RT: 7.80 min Scan# 1560
Delta R.T.: 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion: 83 Resp: 2548431
Ion Ratio Lower Upper
83 100
85 66.6 50.6 75.8
127 8.4 6.2 9.4





#43

Methyl Methacrylate

Concen: 10.674 ppbv

RT: 8.02

Instrument: MSVOA_1

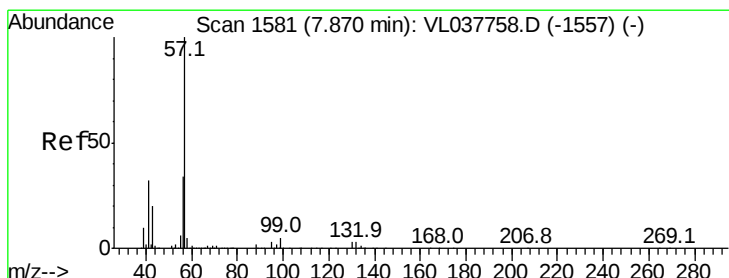
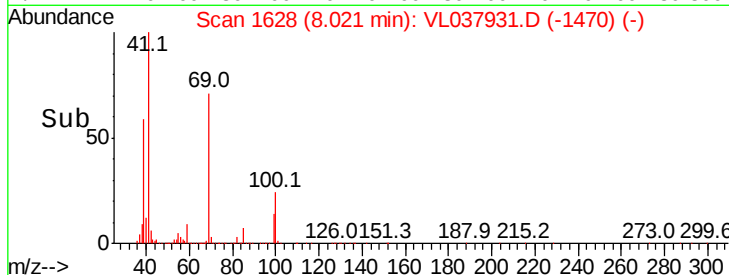
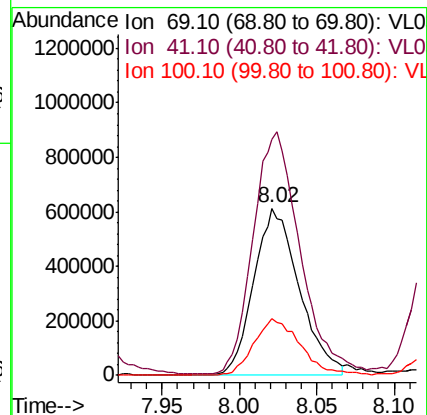
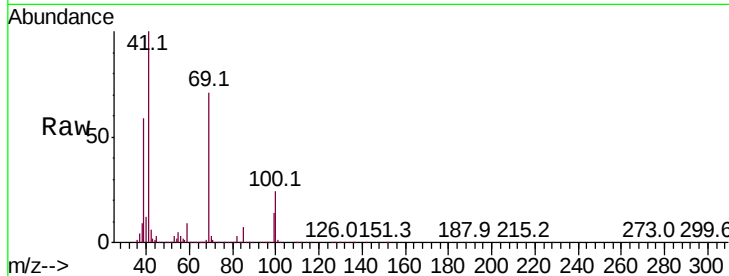
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 28 Oct 2021 00:43

Tot Ion: 69 Resp: 1254994

Ion	Ratio	Lower	Upper
69	100		
41	151.9	121.0	181.4
100	34.9	27.7	41.5



#44

2,2,4-Trimethylpentane

Concen: 10.014 ppbv

RT: 7.88 min Scan# 1583

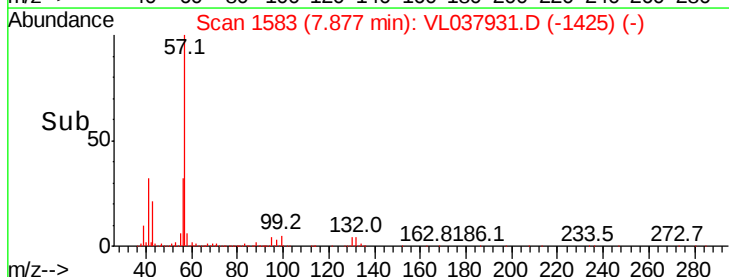
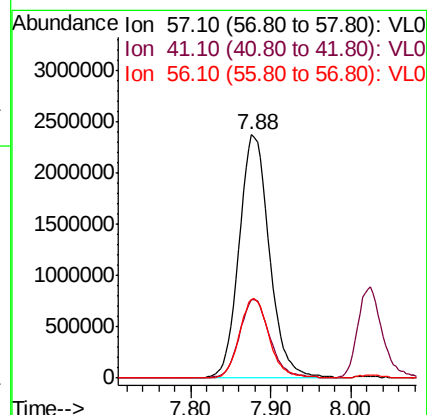
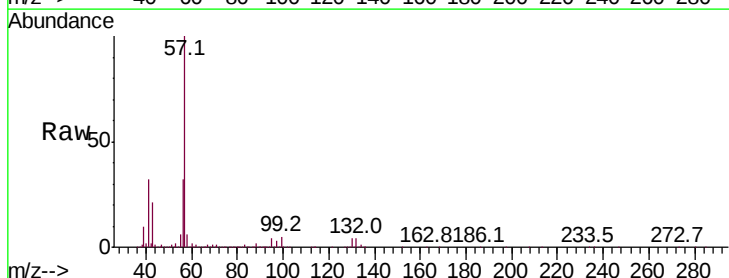
Delta R.T. 0.01 min

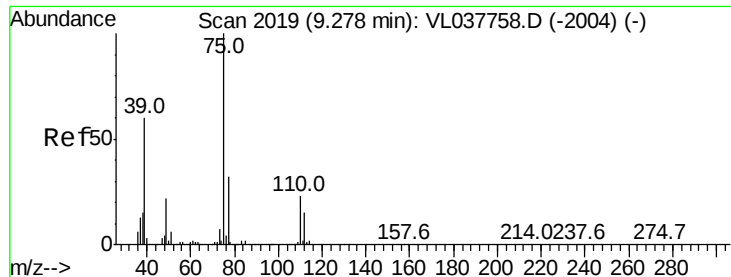
Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

Tgt Ion: 57 Resp: 6056084

Ion	Ratio	Lower	Upper
57	100		
41	32.4	25.6	38.4
56	32.0	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 11.763 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

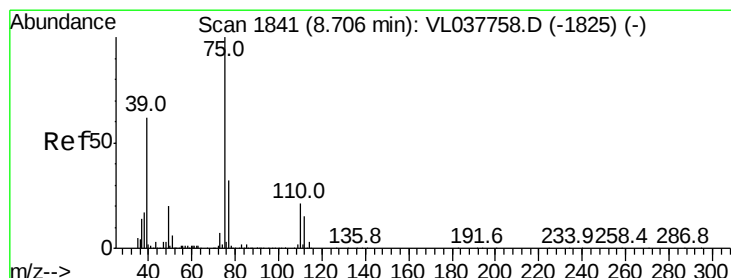
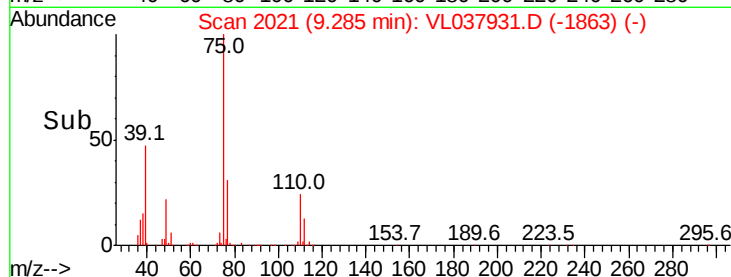
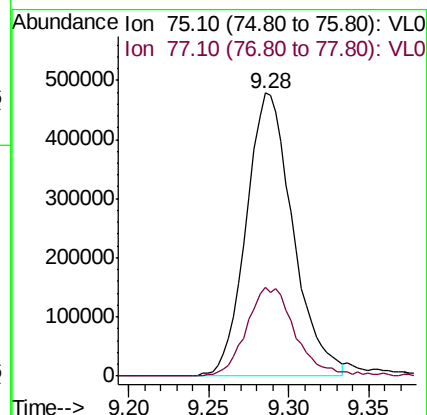
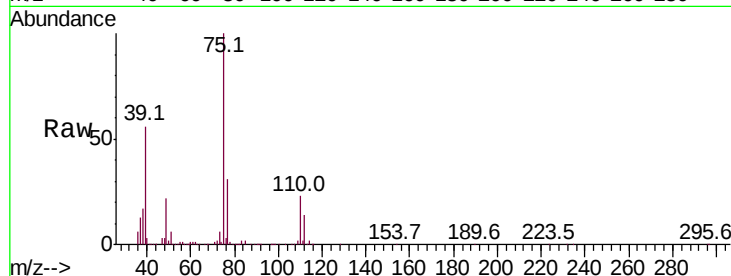
Acq: 28 Oct 2021 00:43

Tot Ion: 75 Resp: 951614

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.679 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

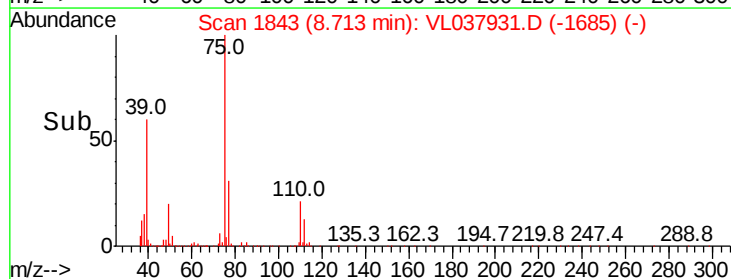
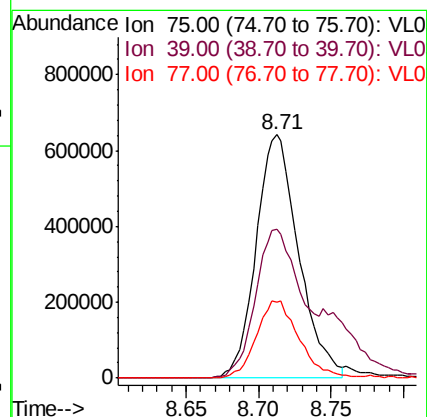
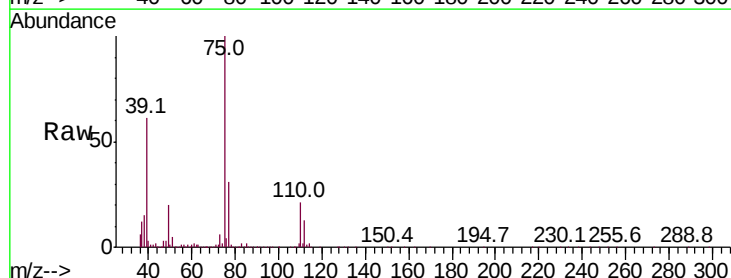
Tgt Ion: 75 Resp: 1309536

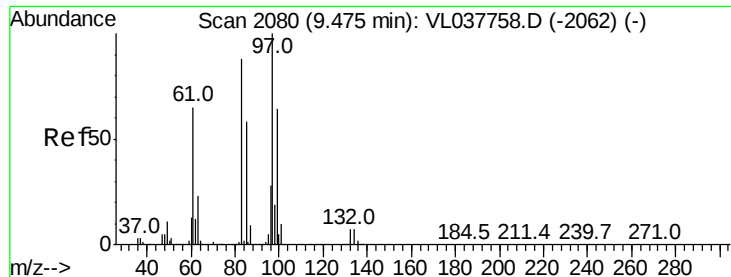
Ion Ratio Lower Upper

75 100

39 60.8 49.9 74.9

77 31.0 25.9 38.9

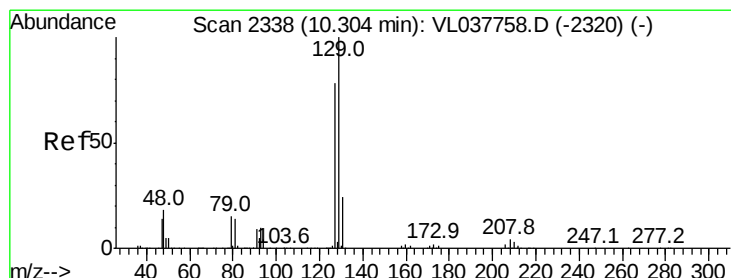
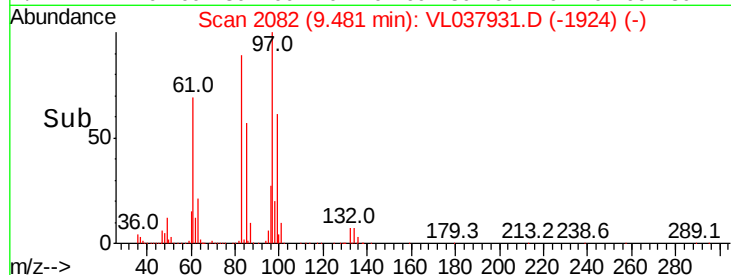
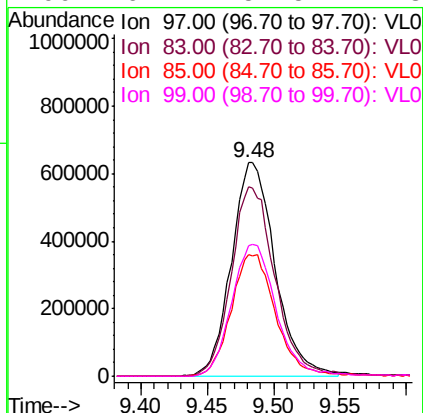
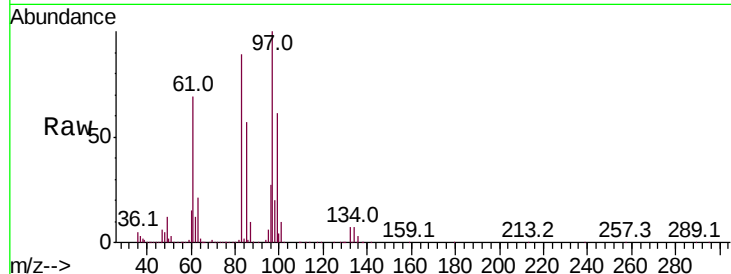




#47
 1,1,2-Trichloroethane
 Concen: 9.757 ppbv
 RT: 9.48
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

Tot Ion: 97 Resp: 1436126

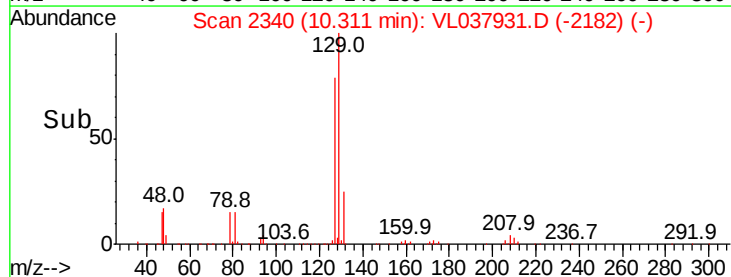
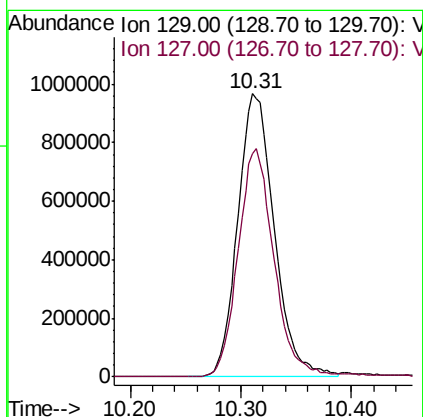
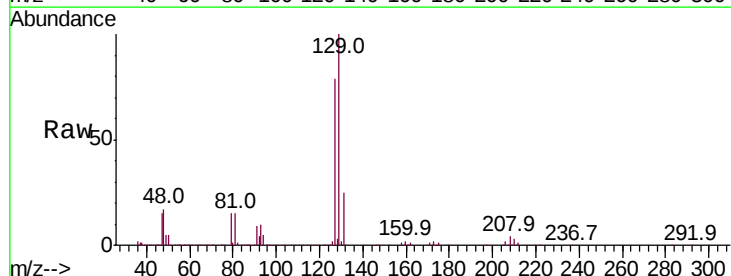
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.6	105.8
85	56.9	45.9	68.9
99	61.4	51.5	77.3

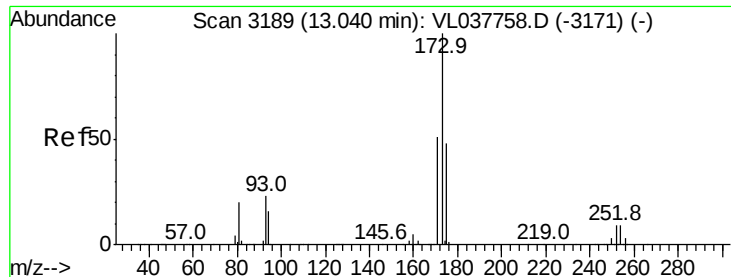


#48
 Dibromochloromethane
 Concen: 10.597 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T.: 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

Tgt Ion: 129 Resp: 2223605

Ion	Ratio	Lower	Upper
129	100		
127	80.6	39.5	118.5





#49

Bromoform

Concen: 11.480 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Oct 2021 00:43

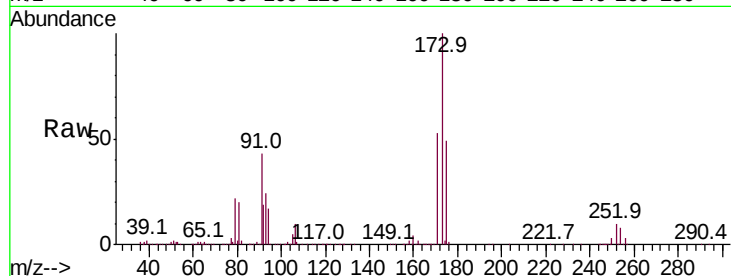
Tot Ion:173 Resp: 1843095

Ion Ratio Lower Upper

173 100

175 52.7 39.9 59.9

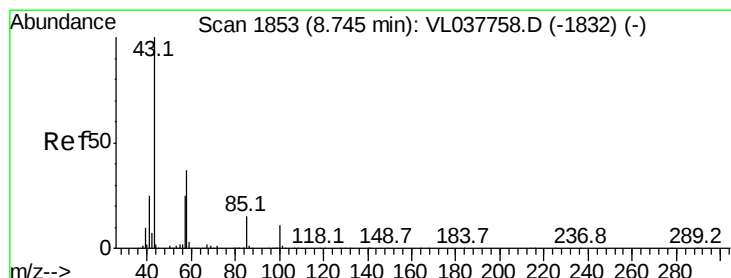
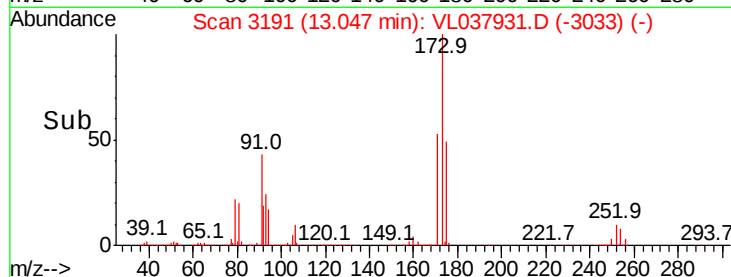
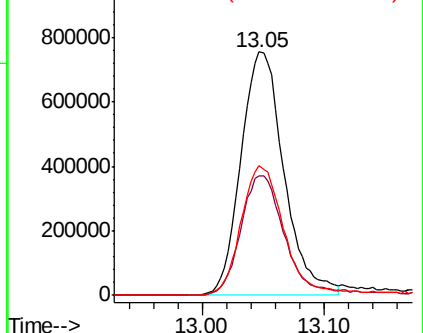
171 55.5 43.4 65.2



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: 10.814 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL037931.D

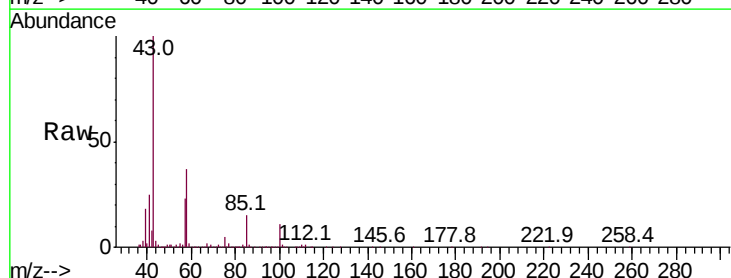
Acq: 28 Oct 2021 00:43

Tgt Ion: 43 Resp: 2394977

Ion Ratio Lower Upper

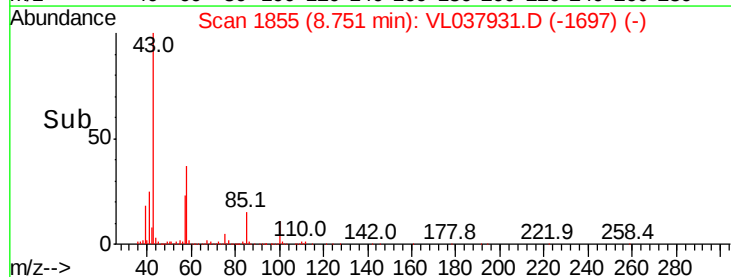
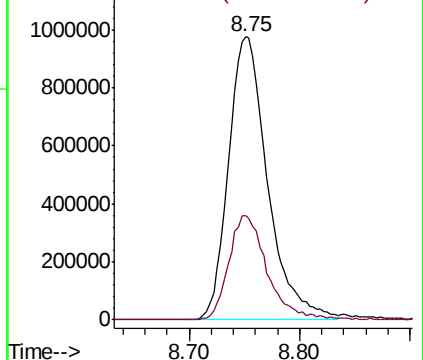
43 100

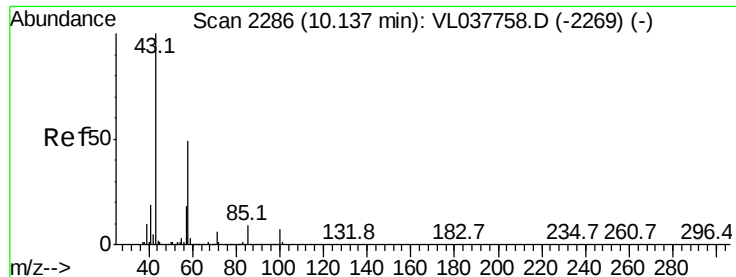
58 36.6 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

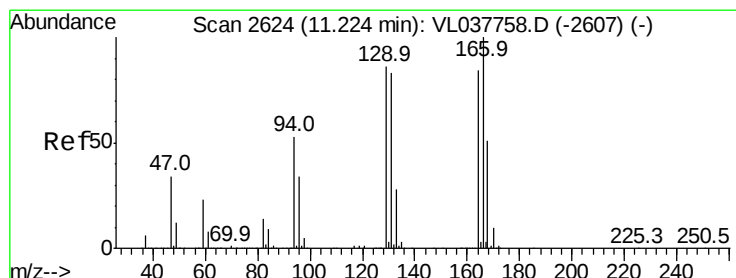
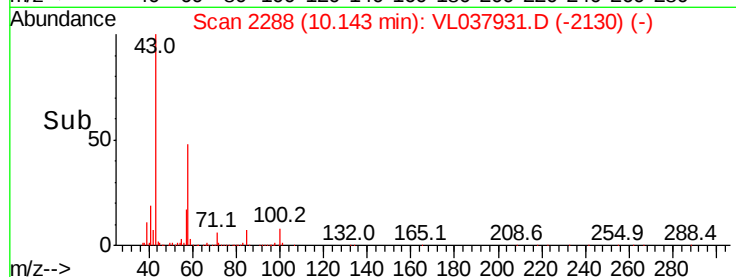
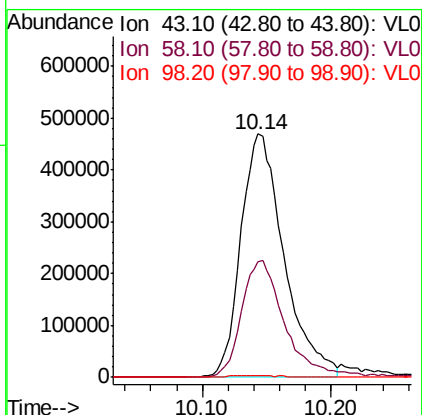
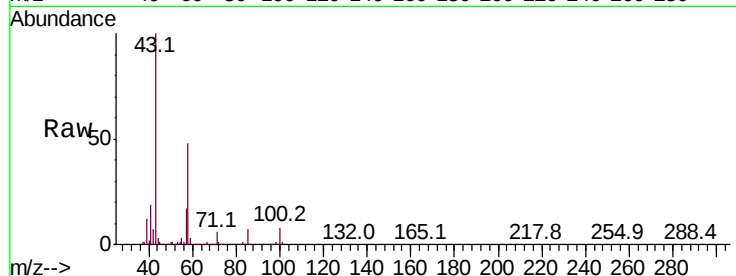
Ion 58.10 (57.80 to 58.80): VL0





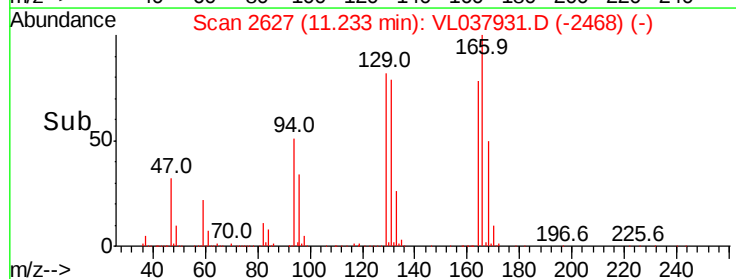
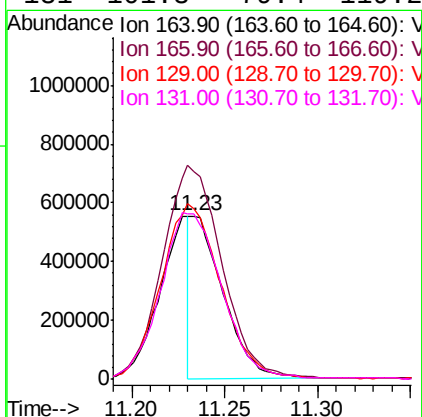
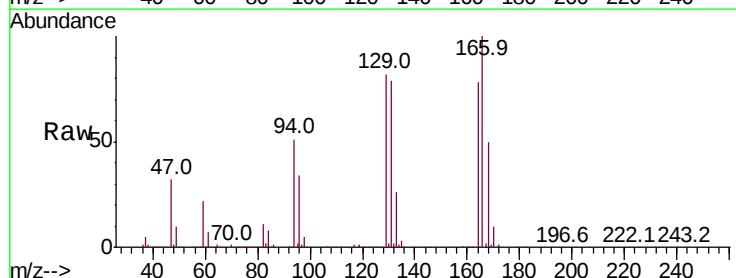
#51
2-Hexanone
Concen: 11.007 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Oct 2021 00:43

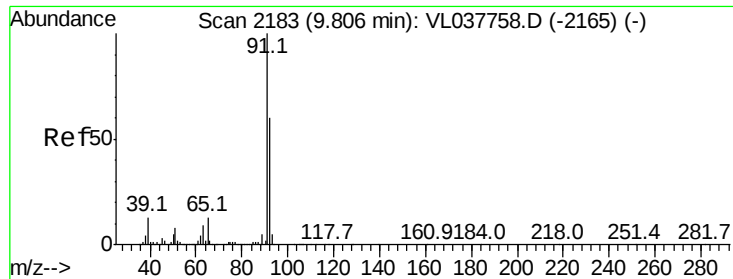
Tot Ion: 43 Resp: 1088317
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 1.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 4.700 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion:164 Resp: 658221
Ion Ratio Lower Upper
164 100
166 127.7 95.4 143.2
129 104.7 82.2 123.4
131 101.3 79.4 119.2





#53

Toluene

Concen: 10.338 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

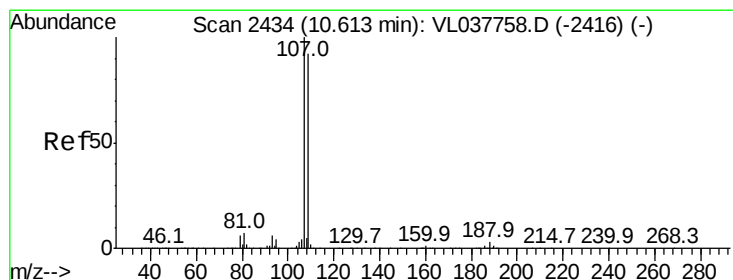
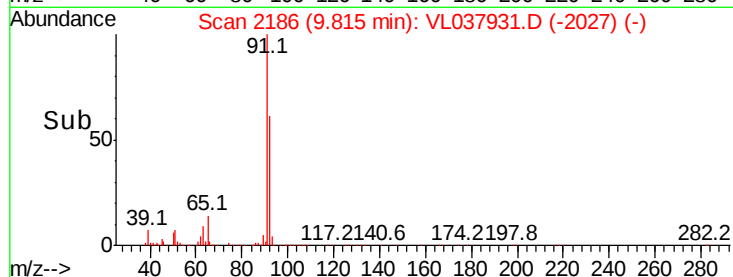
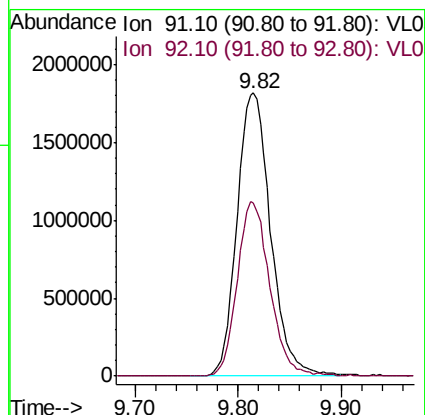
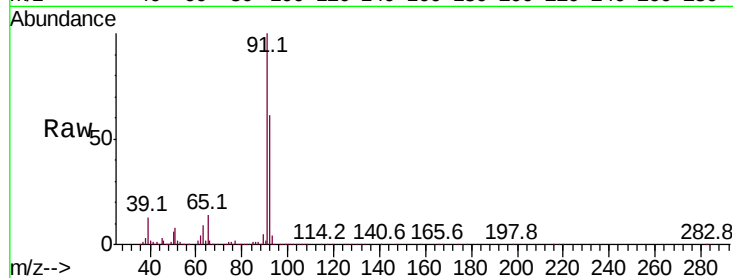
Acq: 28 Oct 2021 00:43

Tot Ion: 91 Resp: 4124127

Ion Ratio Lower Upper

91 100

92 60.2 48.4 72.6



#54

1,2-Dibromoethane

Concen: 9.966 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL037931.D

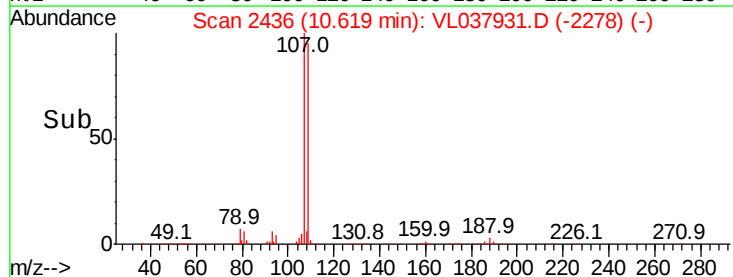
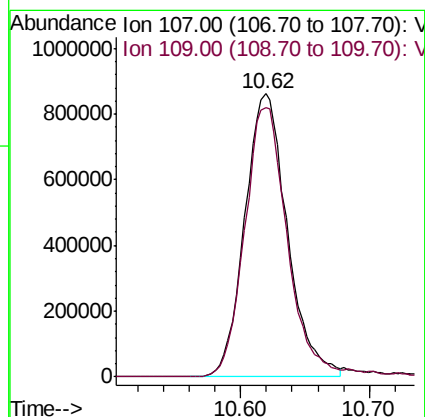
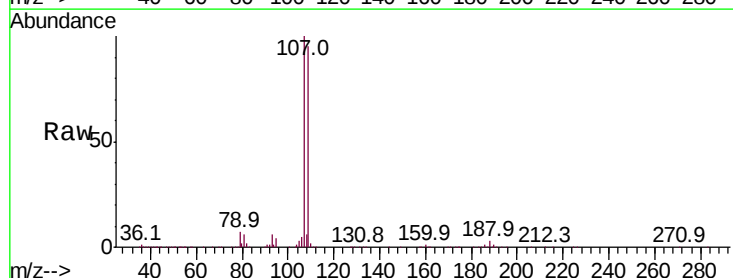
Acq: 28 Oct 2021 00:43

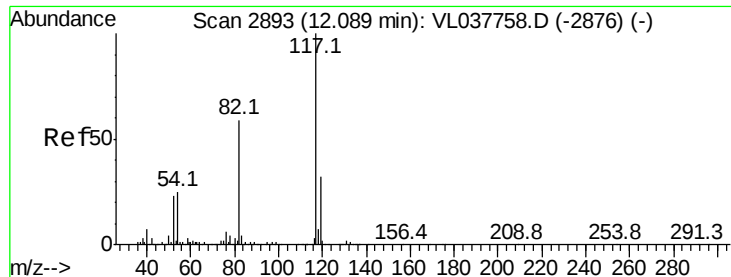
Tgt Ion: 107 Resp: 1981492

Ion Ratio Lower Upper

107 100

109 95.3 73.8 110.6

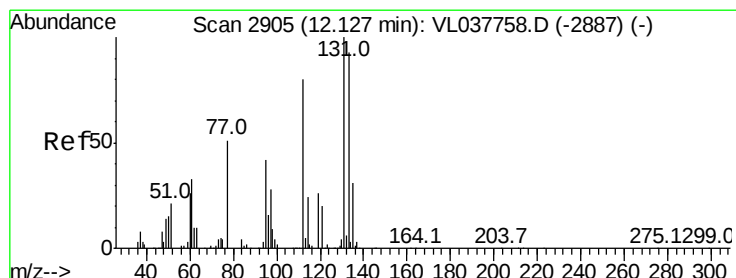
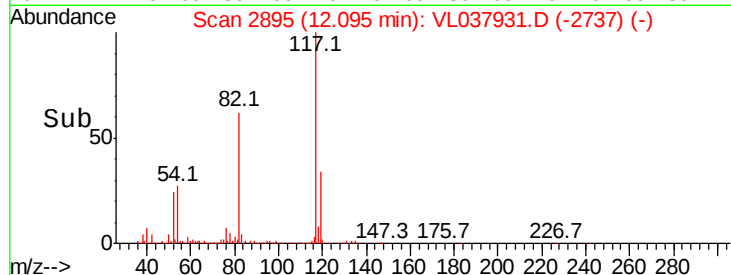
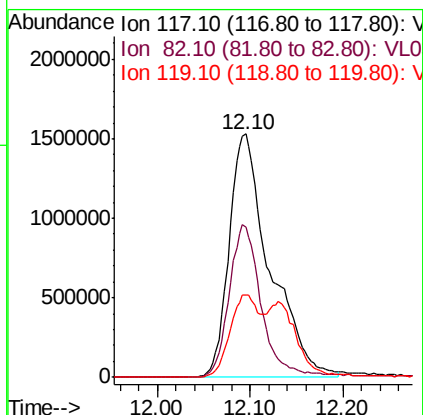
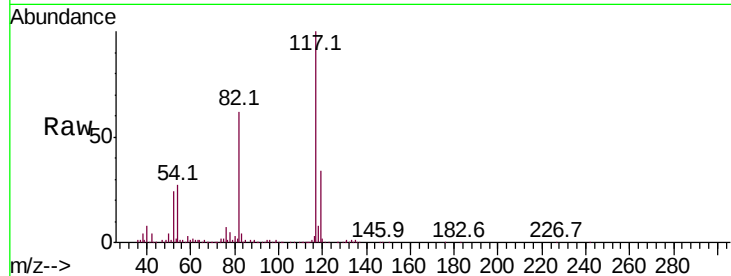




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 28 Oct 2021 00:43

Tot Ion:117 Resp: 4671064

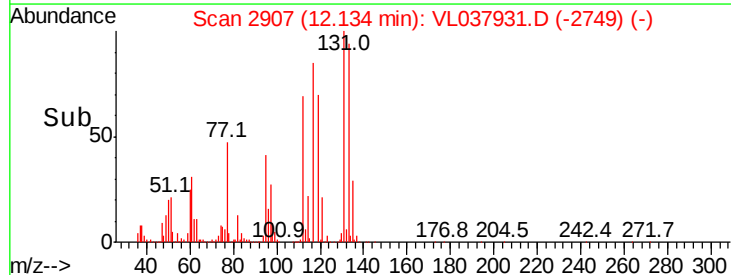
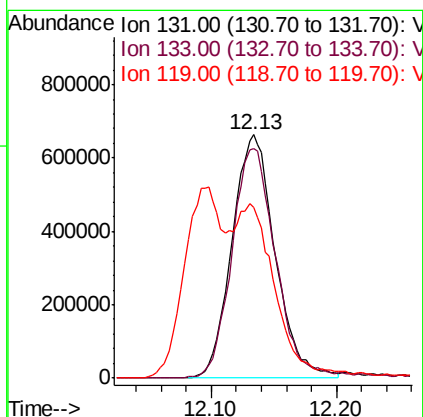
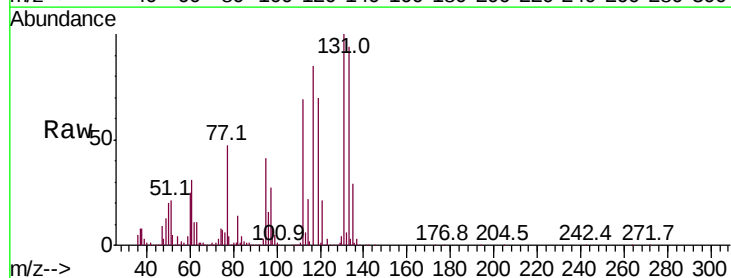
Ion	Ratio	Lower	Upper
117	100		
82	50.8	52.2	78.2#
119	24.8	26.0	39.0#

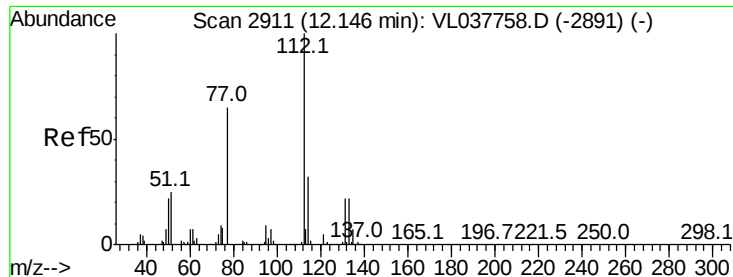


#56
1,1,1,2-Tetrachloroethane
Concen: 8.188 ppbv
RT: 12.13 min Scan# 2907
Delta R.T.: 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion:131 Resp: 1583279

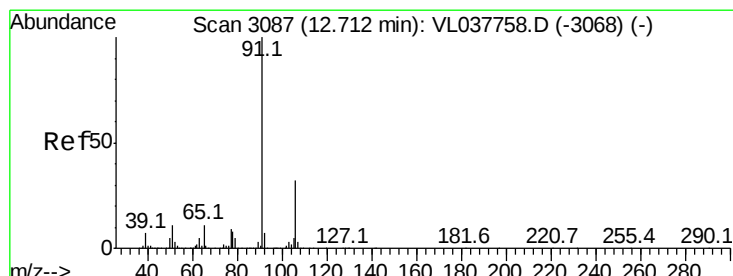
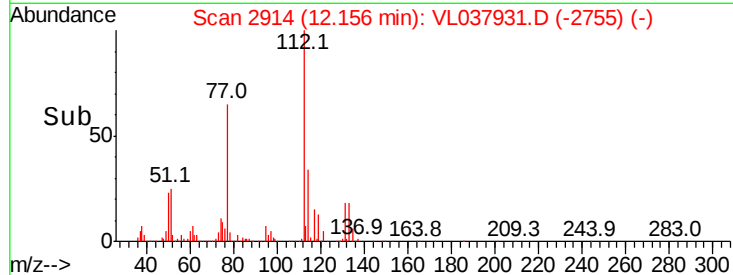
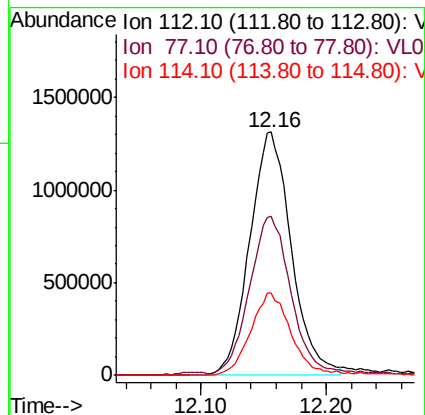
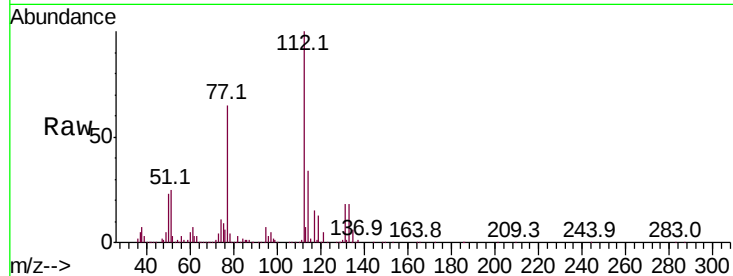
Ion	Ratio	Lower	Upper
131	100		
133	98.0	78.5	117.7
119	70.8	51.7	77.5





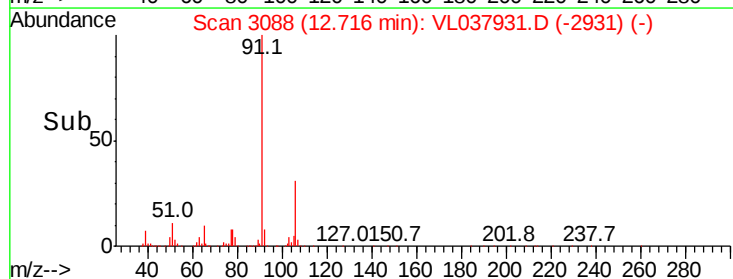
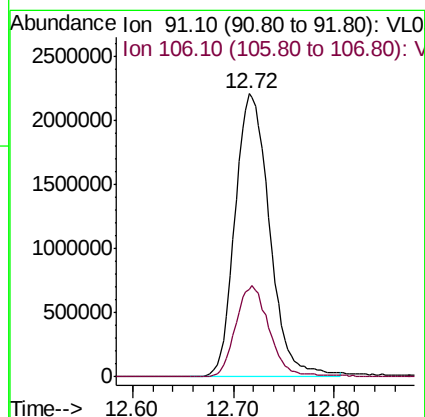
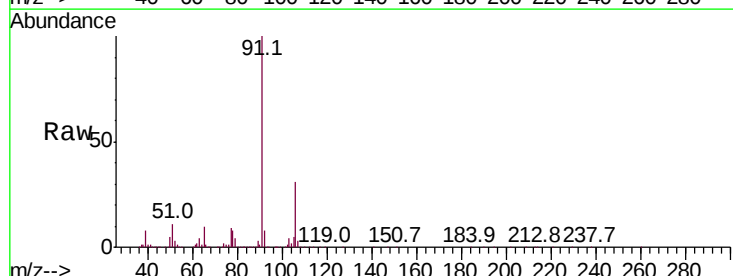
#57
Chlorobenzene
Concen: 7.894 ppbv
RT: 12.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 28 Oct 2021 00:43

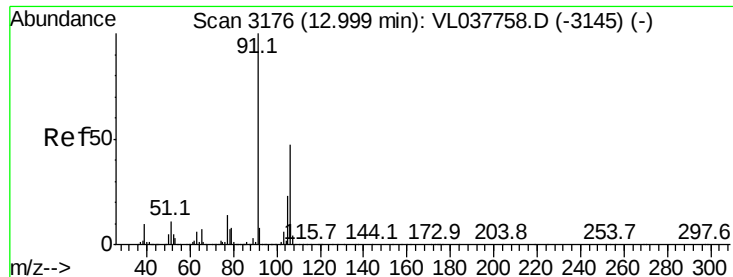
Tot Ion	Ratio	Lower	Upper
112	100		
77	64.2	51.8	77.8
114	33.9	28.8	35.2



#58
Ethyl Benzene
Concen: 8.402 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

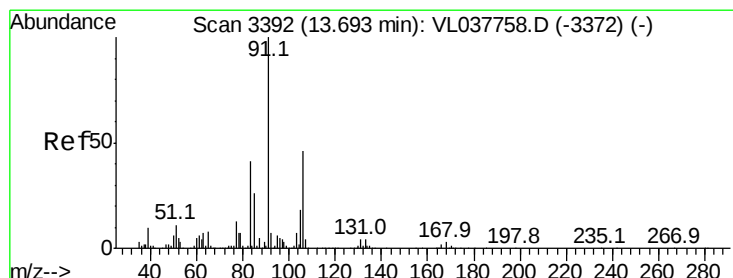
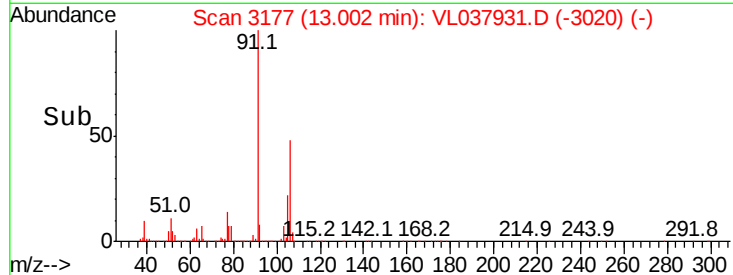
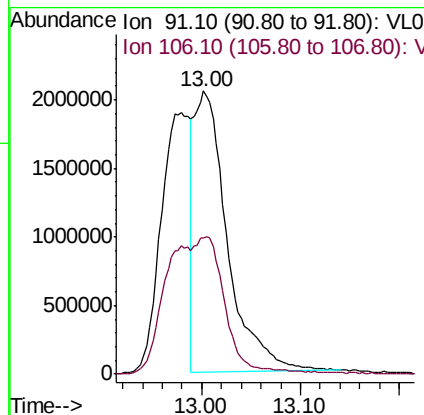
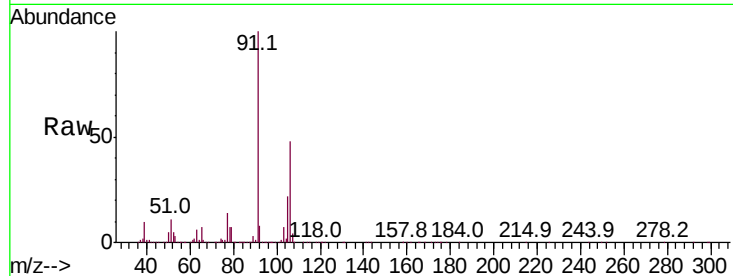
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.3	37.9





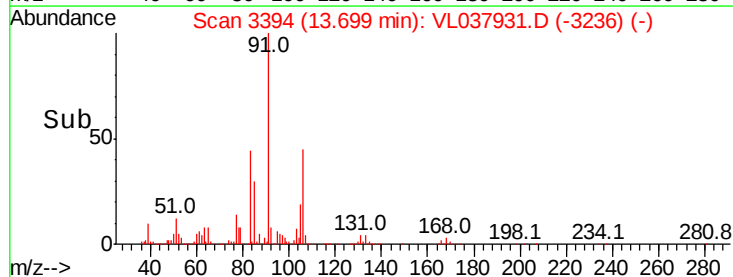
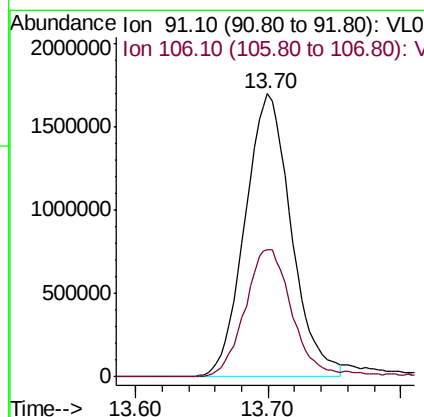
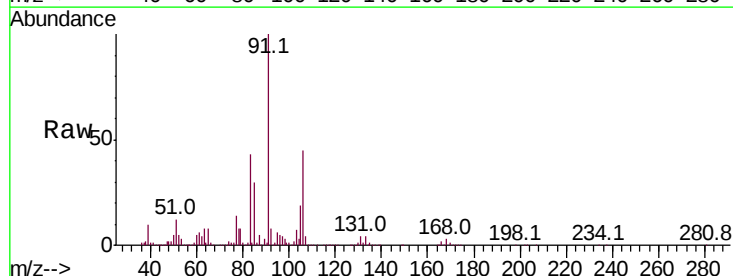
#59
m/p-Xylene
Concen: 8.827 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Oct 2021 00:43
VSTDCCC010EC

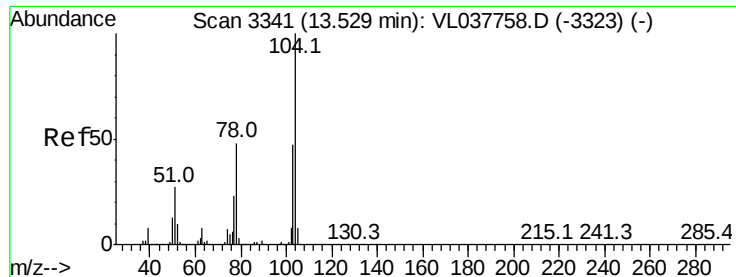
Tot Ion: 91 Resp: 4752412
Ion Ratio Lower Upper
91 100
106 87.1 36.7 55.1#



#60
o-Xylene
Concen: 7.928 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion: 91 Resp: 4090596
Ion Ratio Lower Upper
91 100
106 47.8 23.5 70.5





#61

Stvrene

Concen: 9.124 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Oct 2021 00:43 VSTDCCC010EC

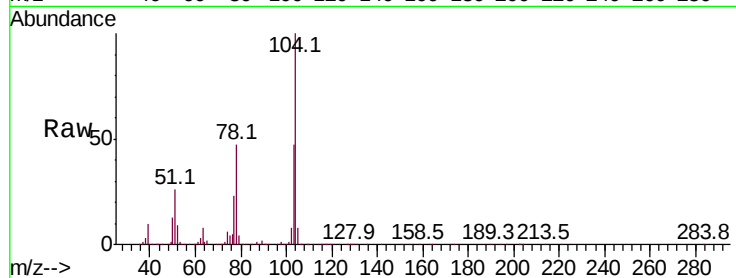
Tot Ion:104 Resp: 2277295

Ion Ratio Lower Upper

104 100

78 49.7 40.6 61.0

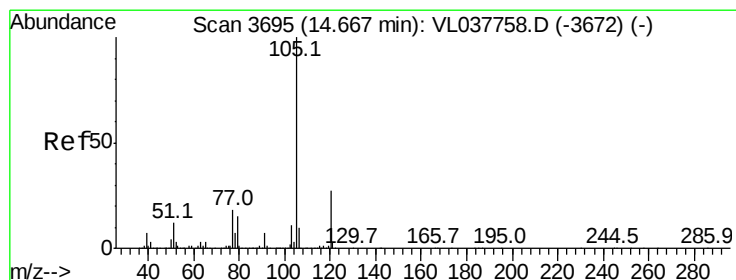
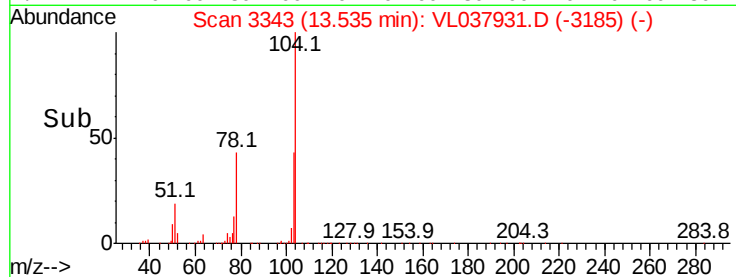
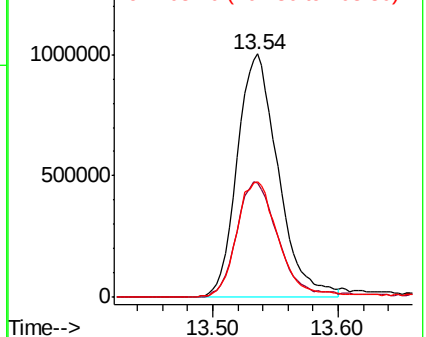
103 49.3 39.6 59.4



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: 8.083 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL037931.D

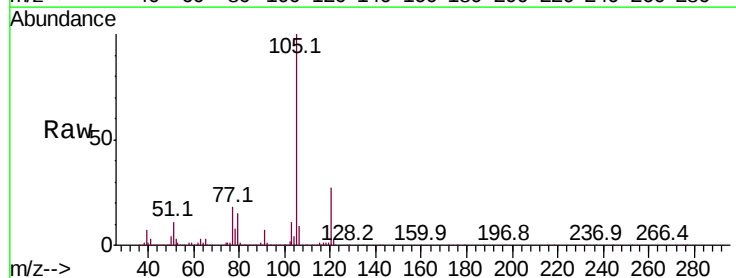
Acq: 28 Oct 2021 00:43

Tgt Ion:105 Resp: 5817586

Ion Ratio Lower Upper

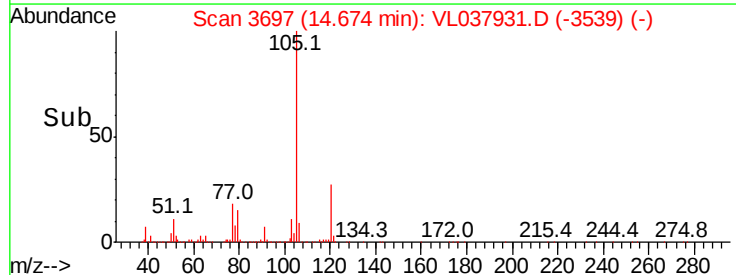
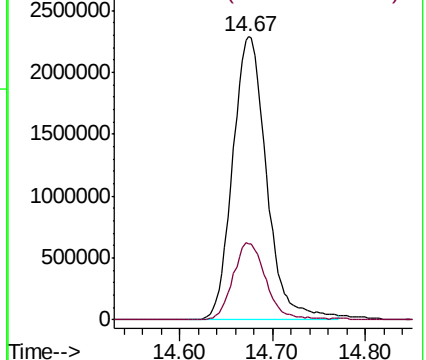
105 100

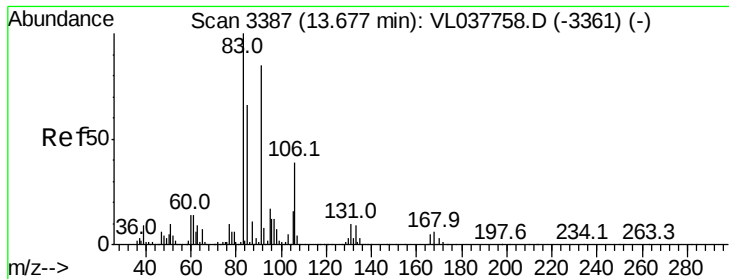
120 27.0 21.3 31.9



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: 7.711 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Oct 2021 00:43

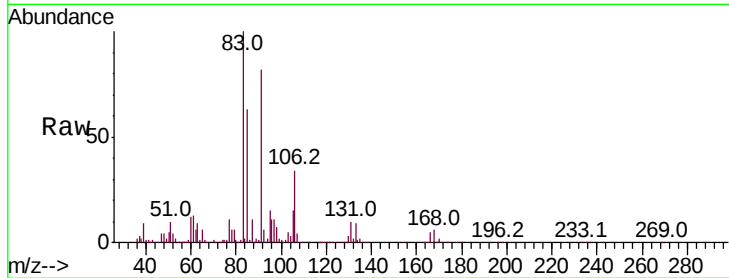
Tot Ion: 83 Resp: 3070396

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

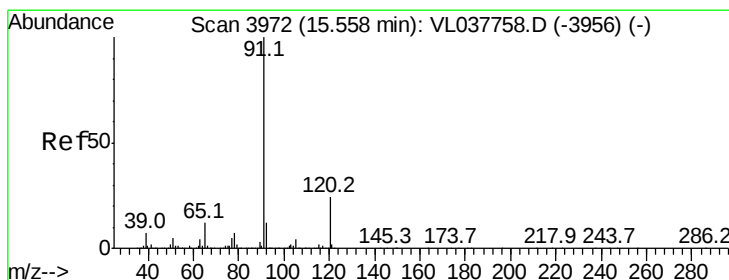
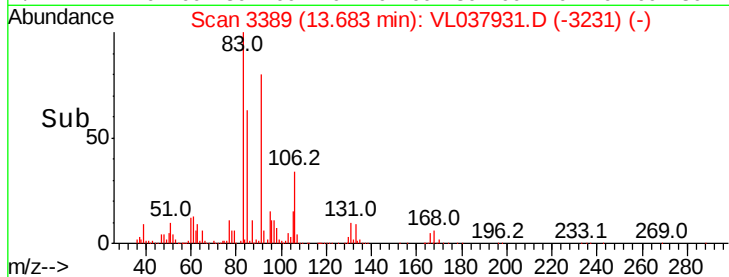
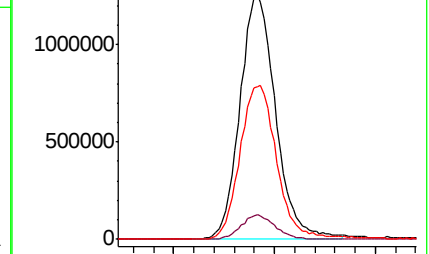
85 66.3 33.1 99.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.599 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VL037931.D

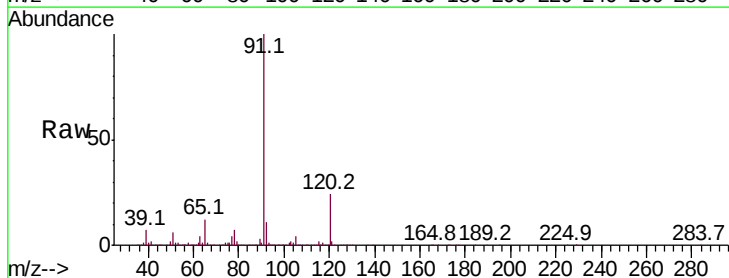
Acq: 28 Oct 2021 00:43

Tgt Ion:120 Resp: 1543257

Ion Ratio Lower Upper

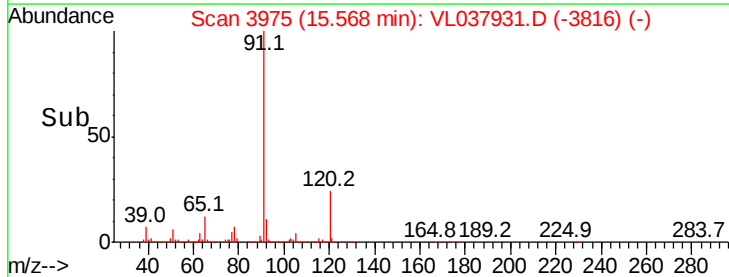
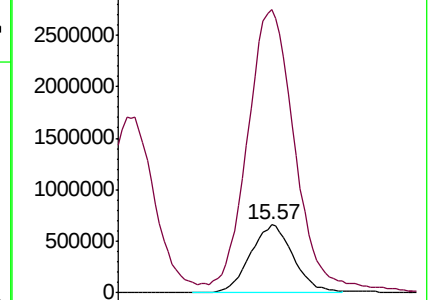
120 100

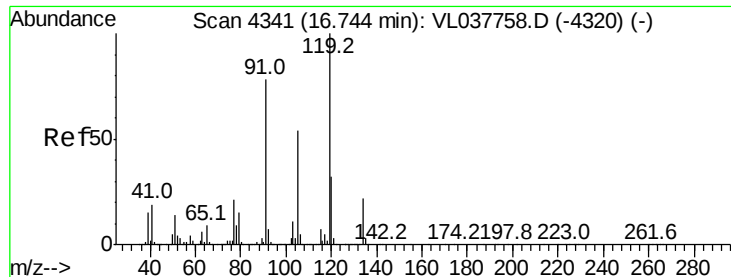
91 460.4 375.0 562.6



Abundance Ion 120.20 (119.90 to 120.90): V

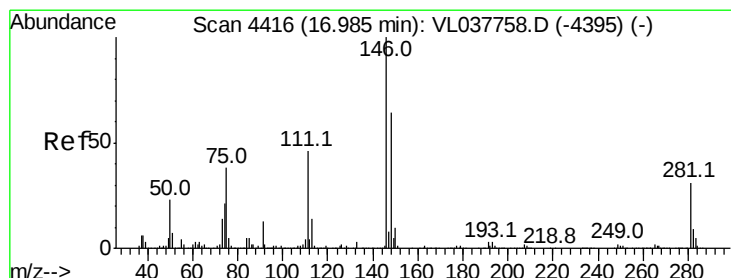
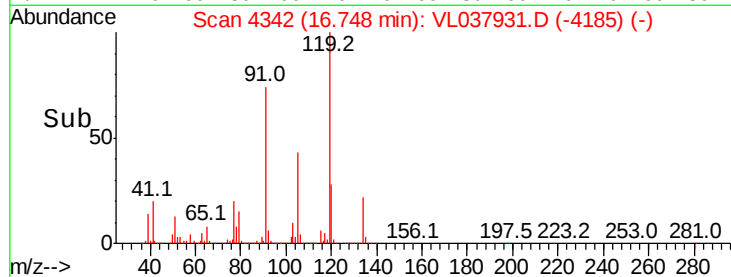
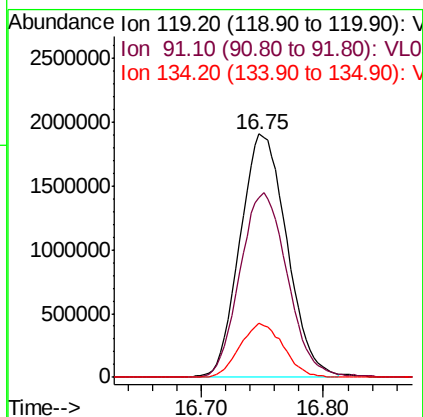
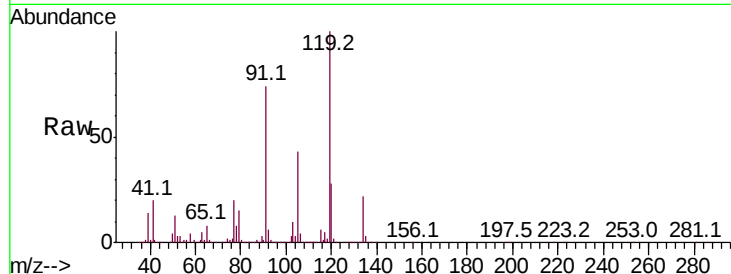
Ion 91.10 (90.80 to 91.80): VL0





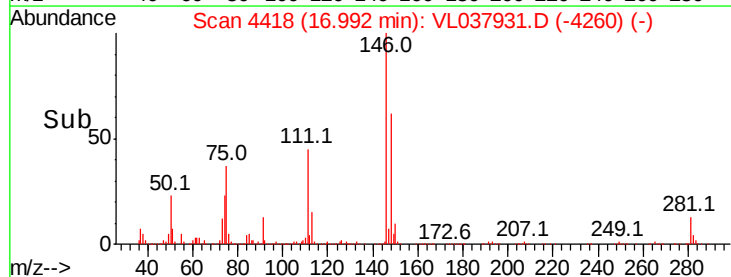
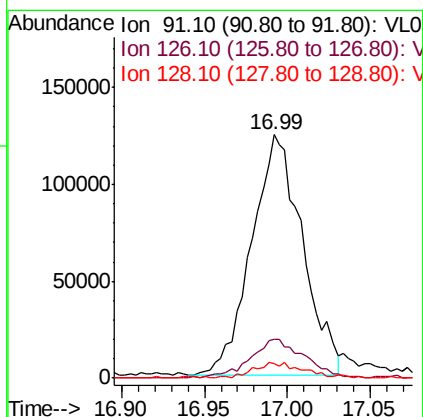
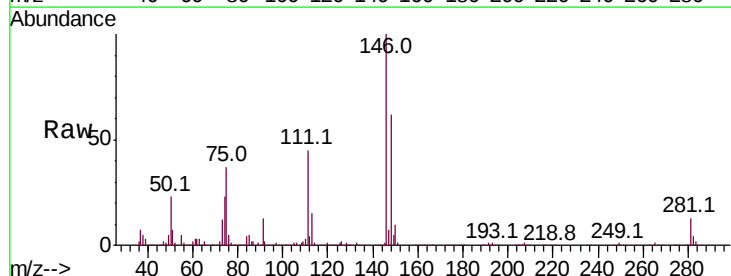
#65
 tert-Butylbenzene
 Concen: 8.001 ppbv
 RT: 16.75
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

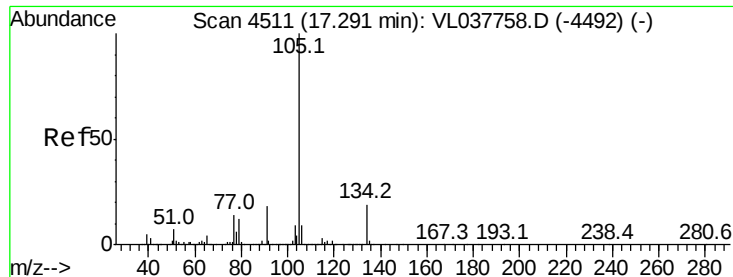
Tot Ion: 119 Resp: 5067159
 Ion Ratio Lower Upper
 119 100
 91 77.2 62.6 94.0
 134 20.8 16.3 24.5



#66
 Benzyl Chloride
 Concen: 8.479 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

Tgt Ion: 91 Resp: 265019
 Ion Ratio Lower Upper
 91 100
 126 18.0 0.0 0.0#
 128 7.0 5.3 7.9





#67

sec-Butylbenzene

Concen: 8.176 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

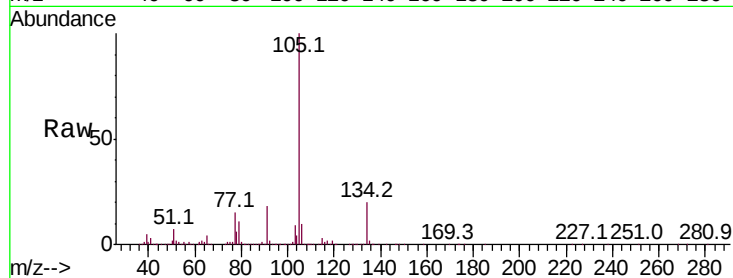
Acq: 28 Oct 2021 00:43

Tot Ion: 105 Resp: 7082052

Ion Ratio Lower Upper

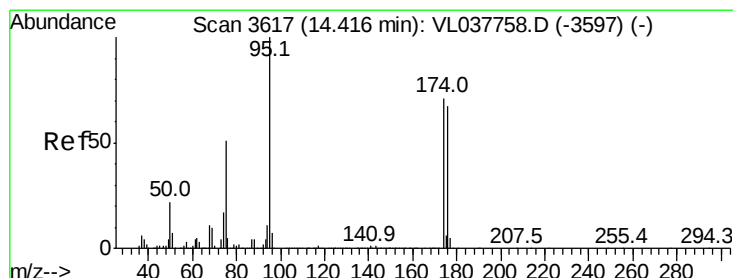
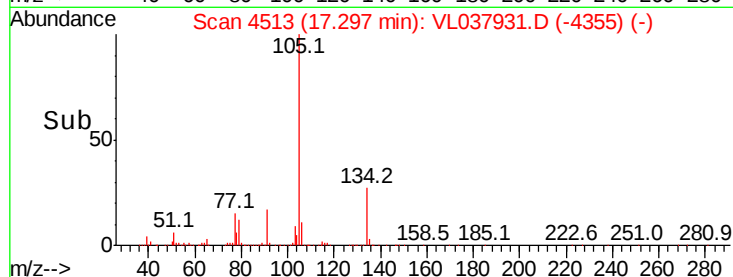
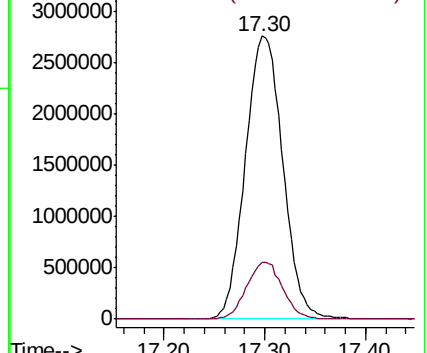
105 100

134 19.4 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.216 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

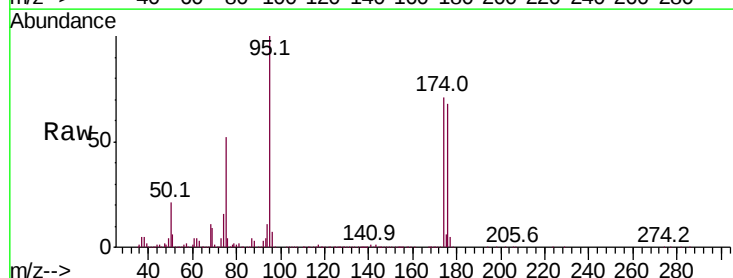
Tgt Ion: 95 Resp: 2683619

Ion Ratio Lower Upper

95 100

174 74.6 57.8 86.6

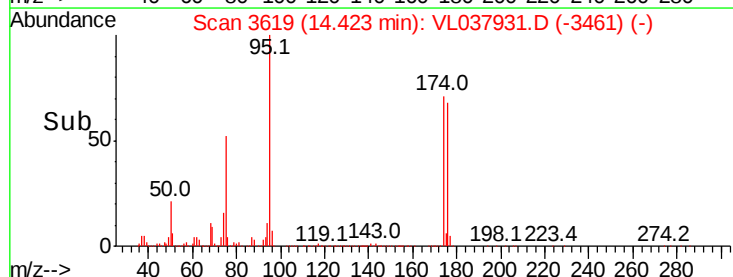
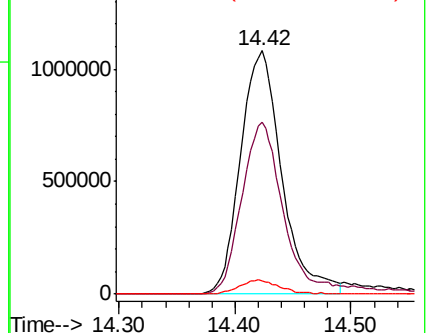
175 6.0 4.7 7.1

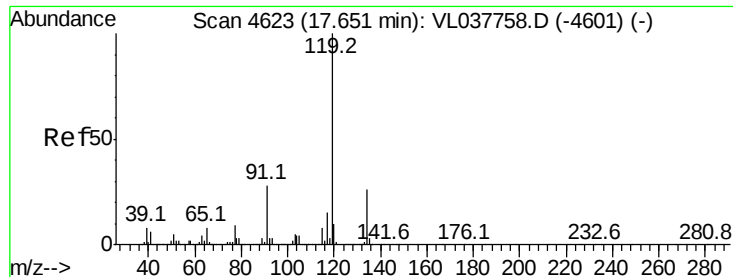


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

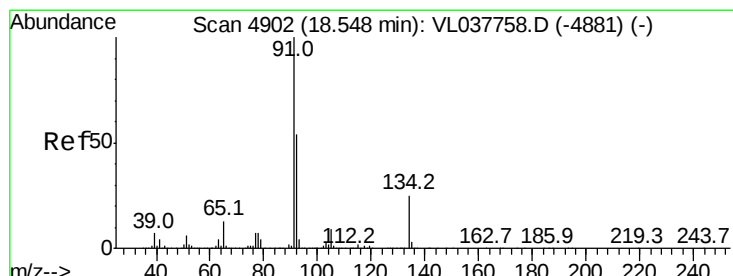
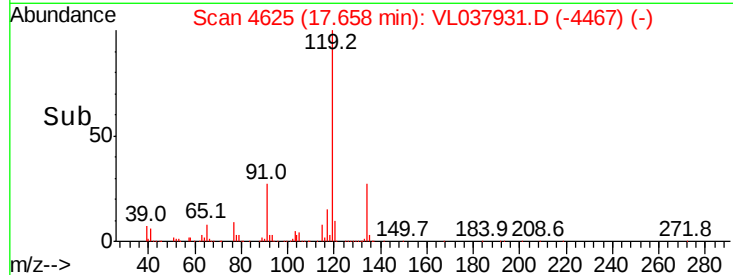
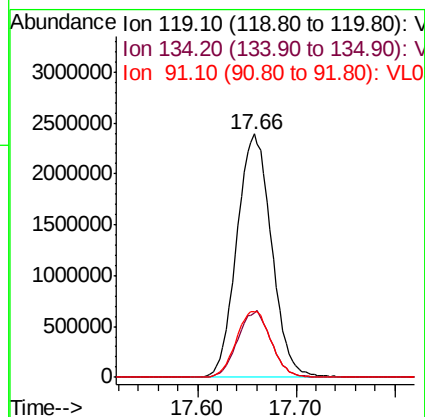
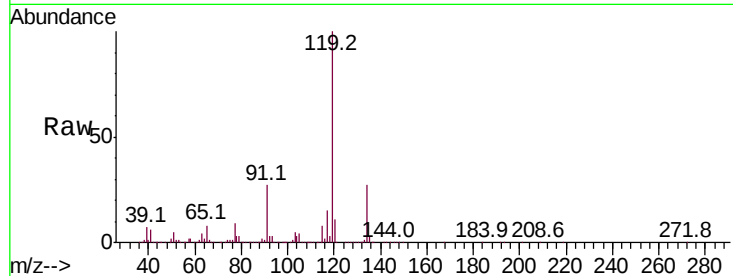
Ion 175.00 (174.70 to 175.70): V





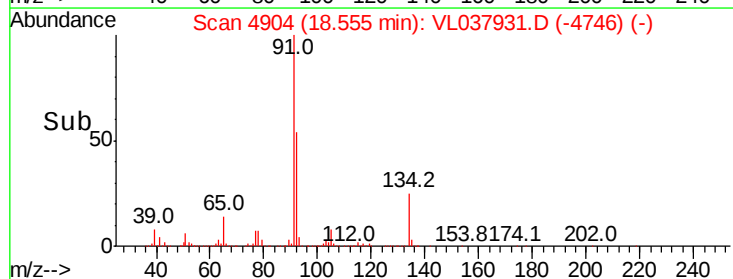
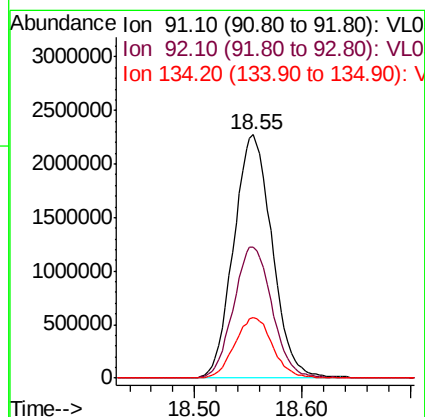
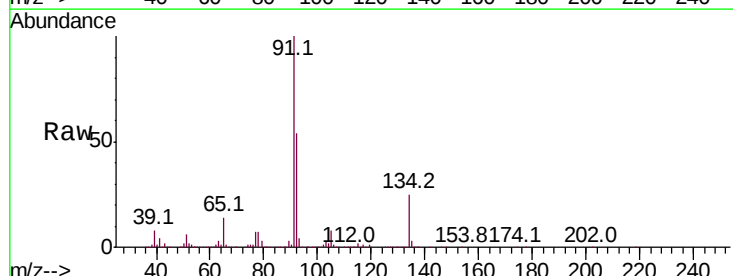
#69
 p-Isopropyltoluene
 Concen: 8.328 ppbv
 RT: 17.66 min
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

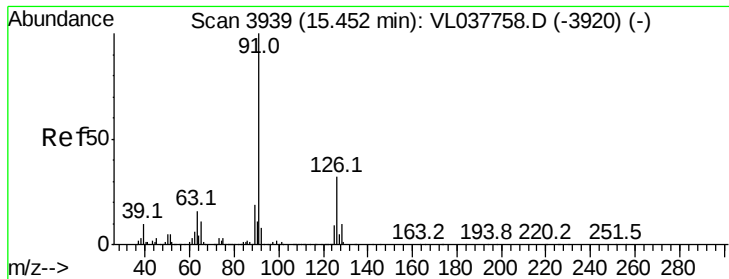
Tot Ion:	119	Resp:	5832078
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.3	22.2	33.4



#70
 n-Butylbenzene
 Concen: 8.463 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

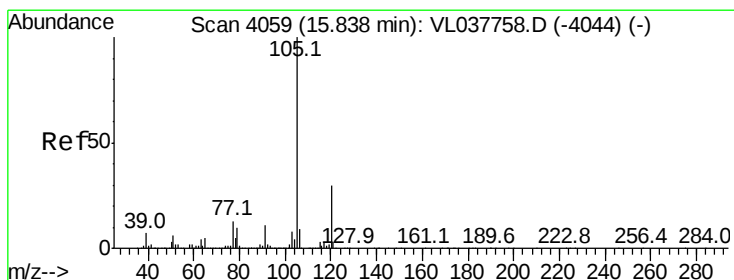
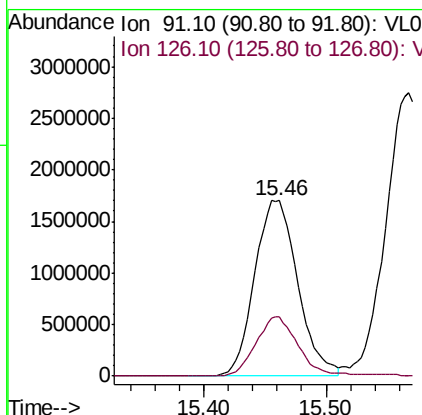
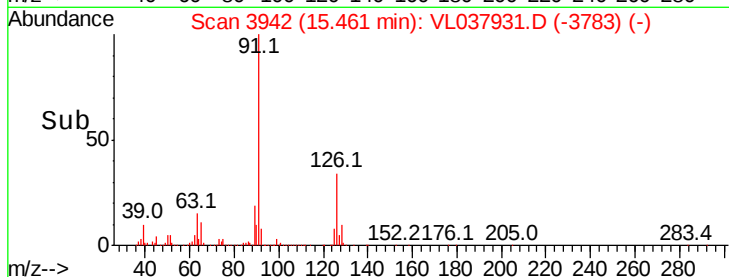
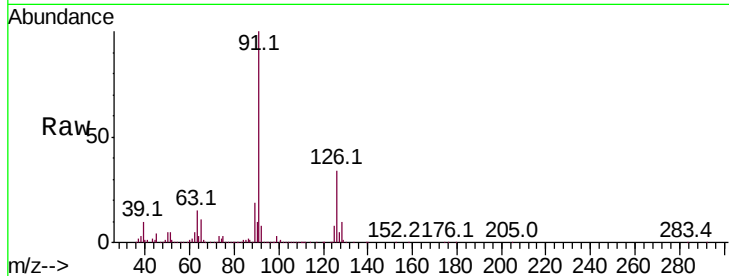
Tgt Ion:	91	Resp:	5629799
Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.4	65.0
134	24.6	19.8	29.6





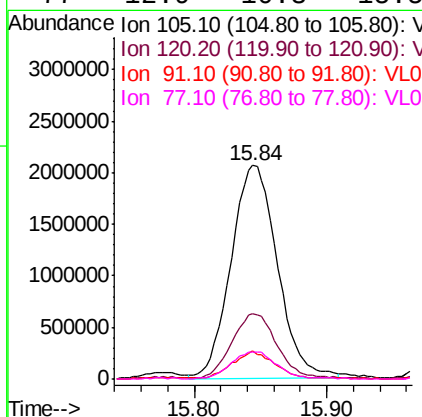
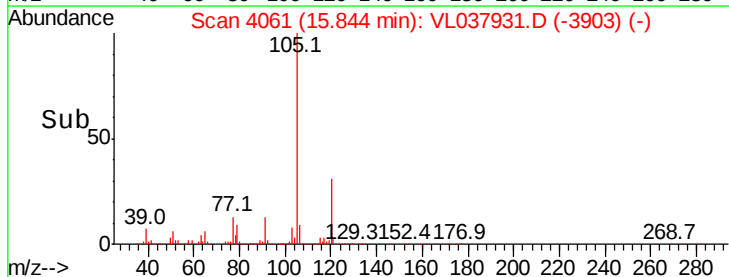
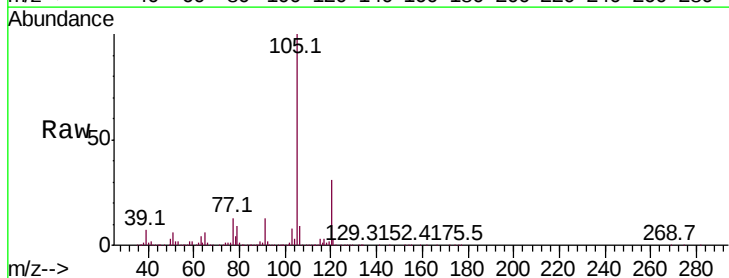
#71
 2-Chlorotoluene
 Concen: 8.214 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

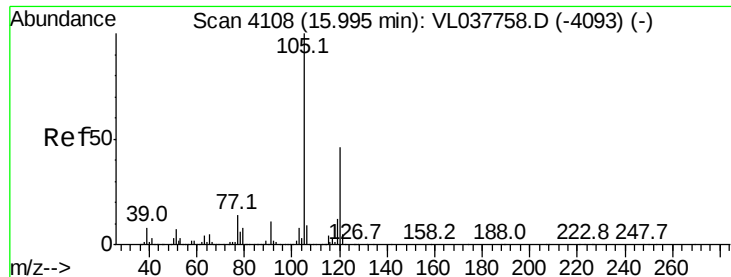
Tot Ion: 91 Resp: 4174726
 Ion Ratio Lower Upper
 91 100
 126 34.3 13.6 54.6



#72
 4-Ethyltoluene
 Concen: 8.584 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

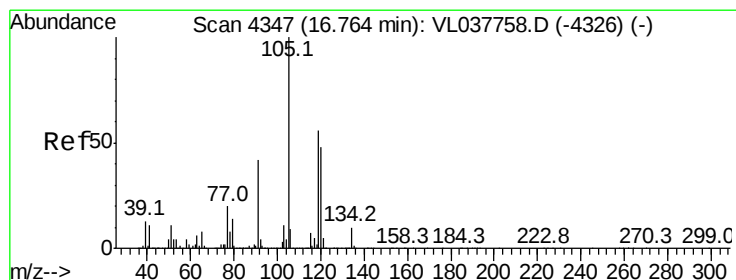
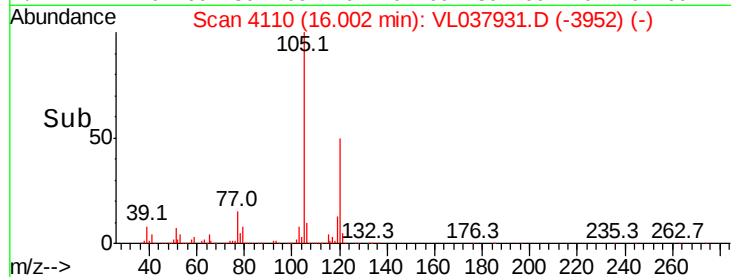
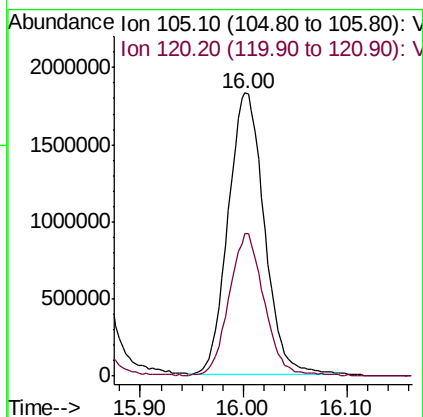
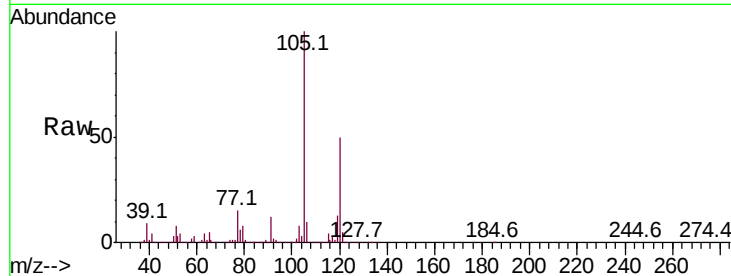
Tgt Ion:105 Resp: 5029140
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.2 36.2
 91 12.6 10.4 15.6
 77 12.9 10.3 15.5





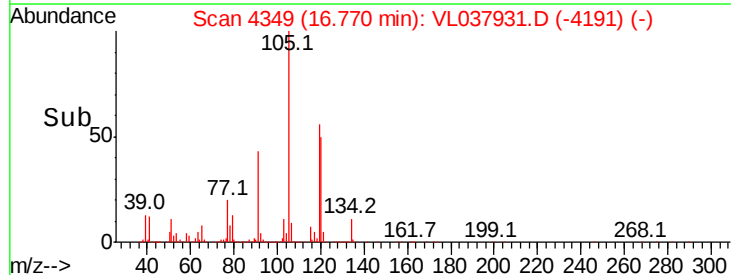
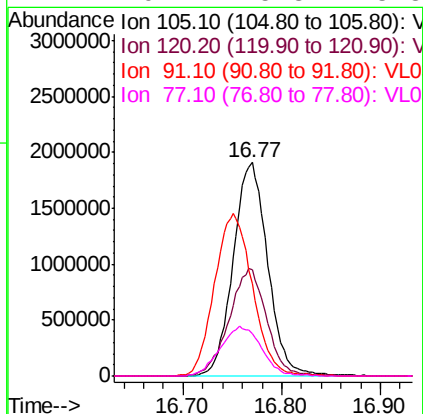
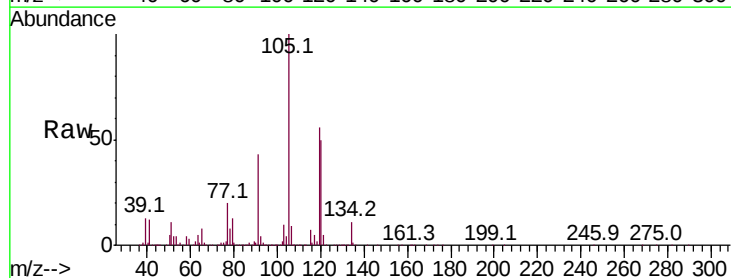
#73
 1,3,5-Trimethylbenzene
 Concen: 8.355 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

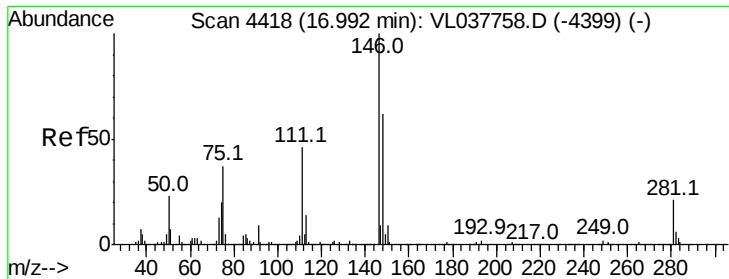
Tot Ion:105 Resp: 4446439
 Ion Ratio Lower Upper
 105 100
 120 50.6 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 8.292 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.01 min
 Lab File: VL037931.D
 Acq: 28 Oct 2021 00:43

Tgt Ion:105 Resp: 4634036
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.4 57.6
 91 42.7 34.2 51.2
 77 19.7 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 8.217 ppbv

RT: 17.00

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 28 Oct 2021 00:43

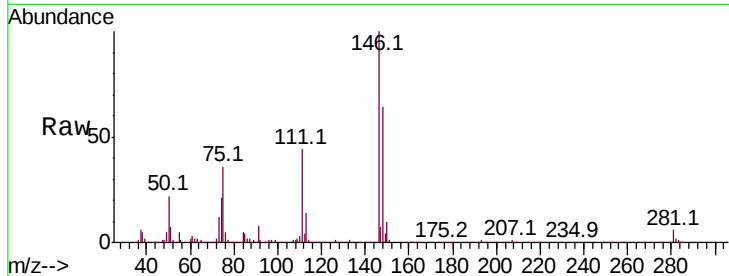
Tot Ion:146 Resp: 2844941

Ion Ratio Lower Upper

146 100

111 44.6 22.8 68.4

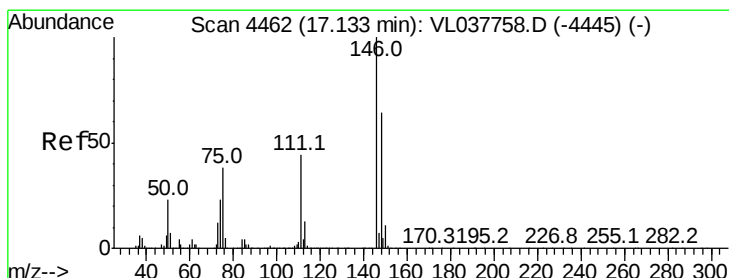
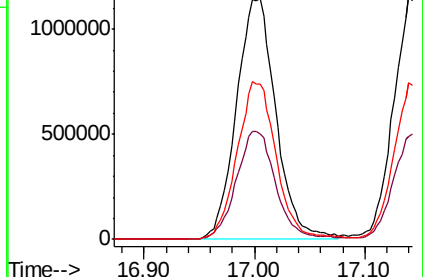
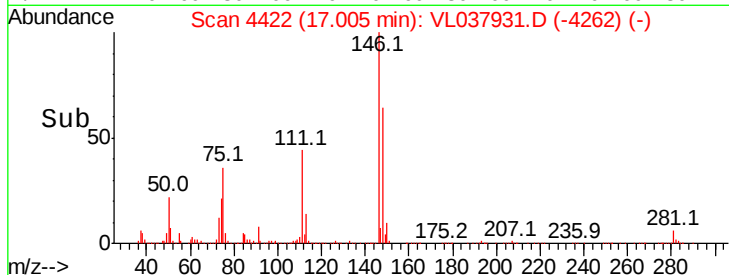
148 64.8 32.8 98.3



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: 8.225 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

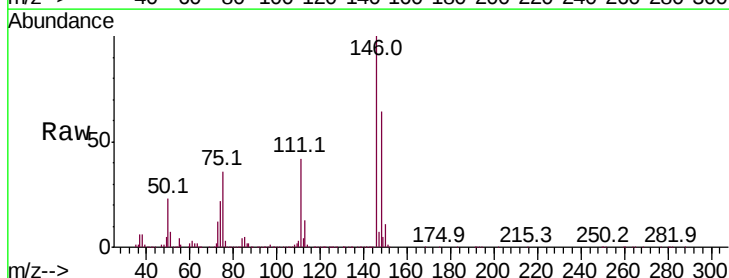
Tgt Ion:146 Resp: 2716631

Ion Ratio Lower Upper

146 100

111 45.0 22.4 67.3

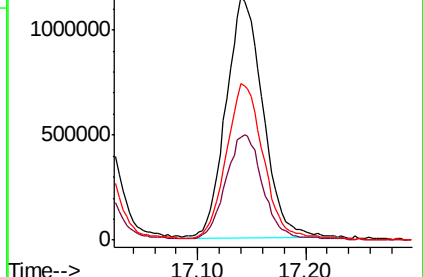
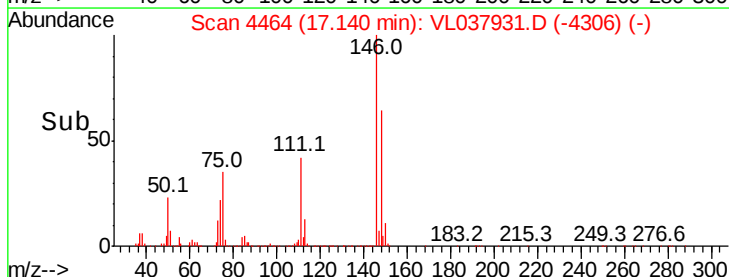
148 66.4 33.3 99.9

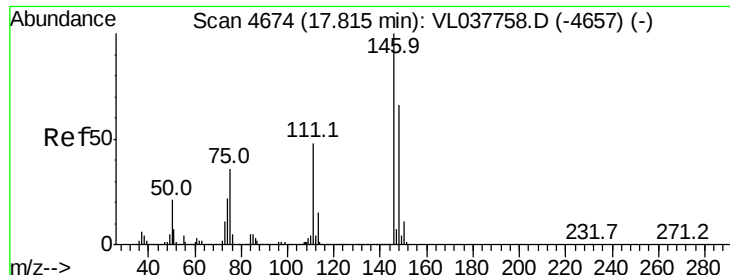


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.227 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Oct 2021 00:43

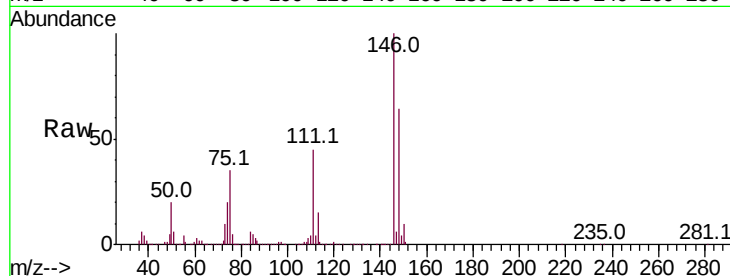
Tot Ion:146 Resp: 2736146

Ion Ratio Lower Upper

146 100

111 46.4 23.6 70.8

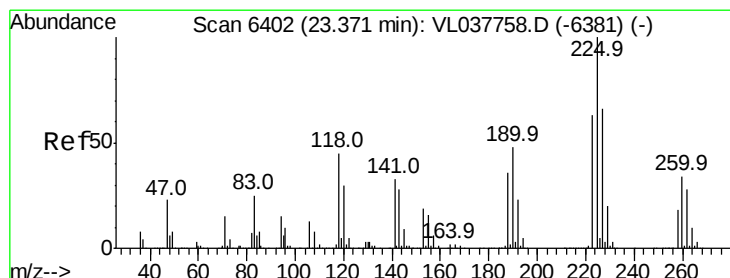
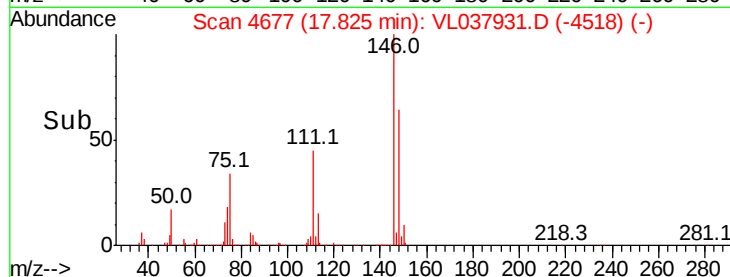
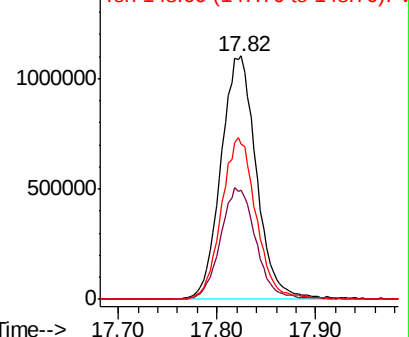
148 64.8 32.9 98.6



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: 6.910 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.01 min

Lab File: VL037931.D

Acq: 28 Oct 2021 00:43

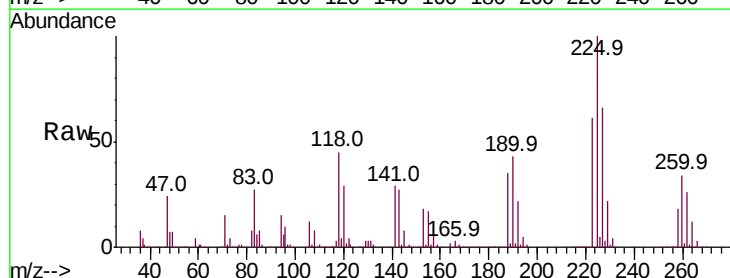
Tgt Ion:225 Resp: 1876597

Ion Ratio Lower Upper

225 100

223 63.6 51.2 76.8

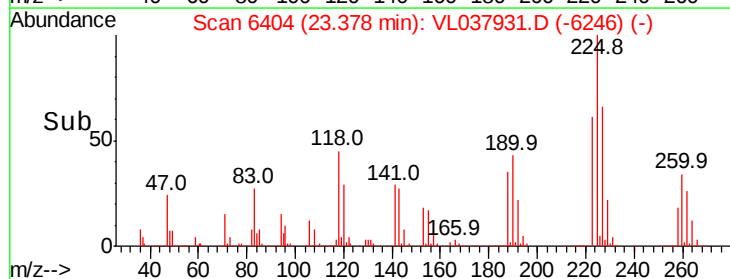
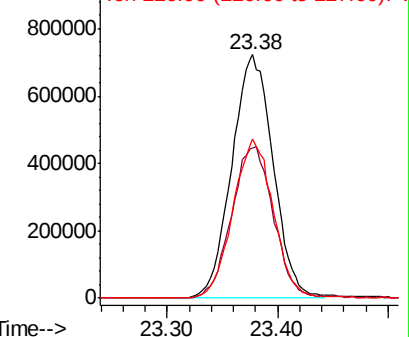
227 64.3 51.1 76.7

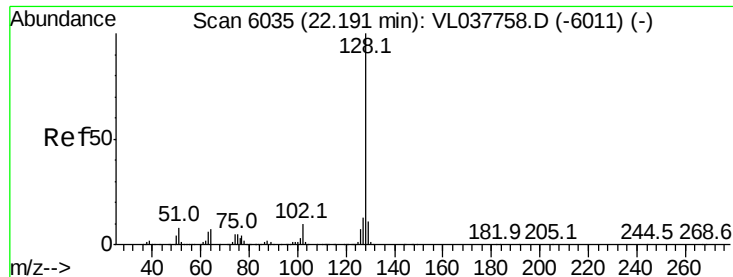


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

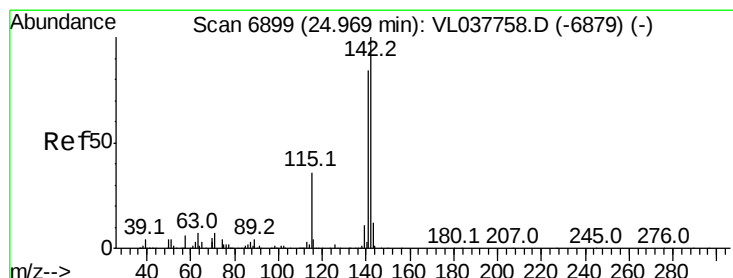
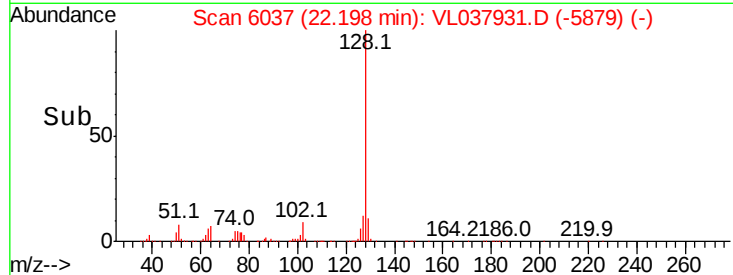
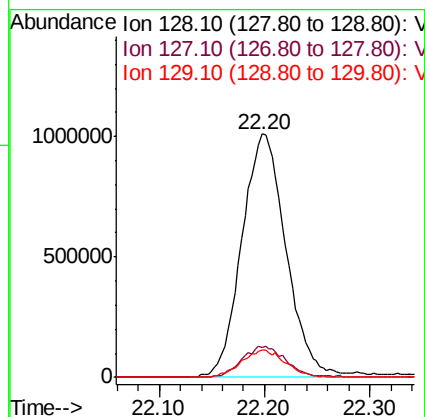
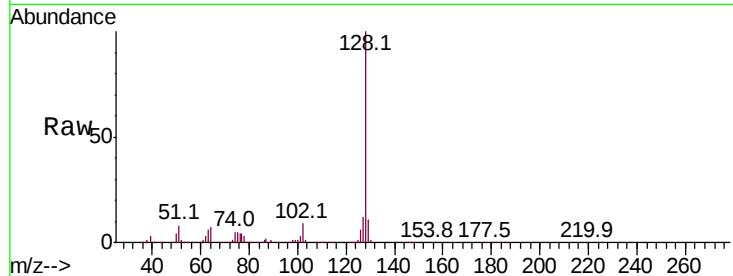
Ion 226.90 (226.60 to 227.60): V





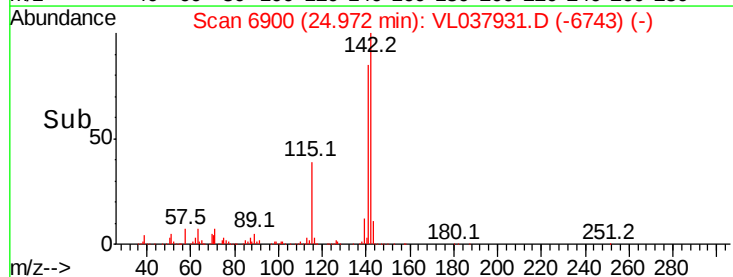
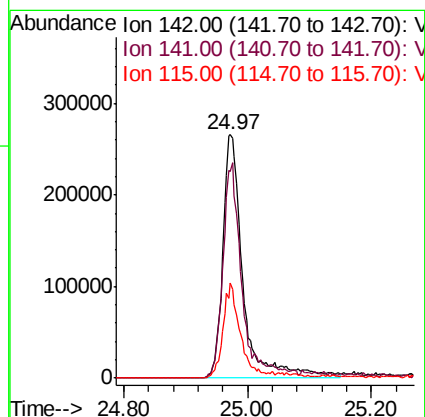
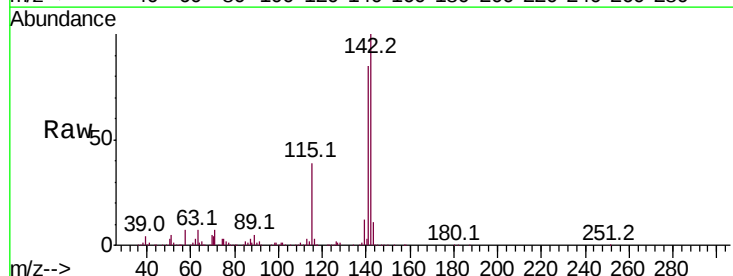
#79
Naphthalene
Concen: 8.556 ppbv
RT: 22.20 min
Delta R.T. 0.00 min
Lab File: VL037758.D
Acq: 28 Oct 2021 00:43

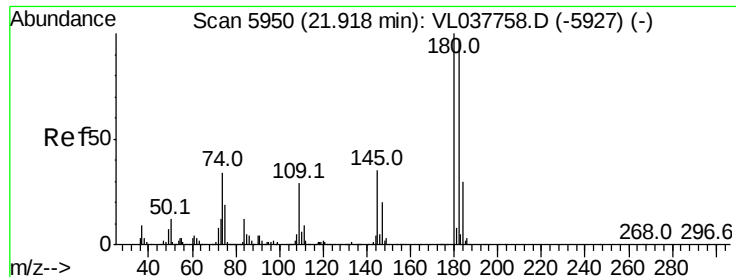
Tot Ion:	128	Resp:	2928314
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.4	9.1	13.7



#80
Naphthalene, 2-methyl-
Concen: 6.604 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL037931.D
Acq: 28 Oct 2021 00:43

Tgt Ion:	142	Resp:	606878
Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.6	102.8
115	34.0	29.0	43.6





#81
 1,2,4-Trichlorobenzene
 Concen: 8.101 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Oct 2021 00:43

Tot Ion:	180	Resp:	1773300
Ion	Ratio	Lower	Upper
180	100		
182	100.2	77.6	116.4
184	31.5	25.0	37.4

