

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032222\
 Data File : VL038713.D
 Acq On : 23 Mar 2022 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Mar 24 02:53:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	725579	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	1930646	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2253161	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1431134	8.28	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	921306	9.446	ppbv	99
3) Chlorodifluoromethane	2.98	51	748250	9.764	ppbv	98
4) Chloromethane	3.13	50	396036	9.413	ppbv	99
5) Vinyl Chloride	3.25	62	410833	9.610	ppbv	99
6) Bromomethane	3.46	94	248156	10.888	ppbv	98
7) Chloroethane	3.55	64	141780	10.018	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	990715	10.173	ppbv	100
9) Propene	3.00	41	326954	8.837	ppbv	99
10) Heptane	8.10	43	873457	9.876	ppbv	98
11) Trichlorofluoromethane	3.94	101	937171	10.886	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	717574	10.828	ppbv	100
13) Ethanol	3.61	45	4004	0.981	ppbv #	1
14) Bromoethene	3.73	108	315316	10.706	ppbv	97
15) Acetone	3.84	43	637409	10.181	ppbv	98
16) 1,3-Butadiene	3.32	39	357660	10.066	ppbv	99
17) tert-Butyl alcohol	4.27	59	669276	12.240	ppbv	99
18) 1,1-Dichloroethene	4.28	96	328483	11.034	ppbv	95
19) Isopropyl Alcohol	3.95	45	340249	9.802	ppbv	99
20) Methylene Chloride	4.33	84	261883	9.931	ppbv	98
21) Allyl Chloride	4.40	41	480280	10.659	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	347217	11.244	ppbv	99
23) Vinyl Acetate	5.06	43	475537	7.844	ppbv	99
24) 1,1-Dichloroethane	5.00	63	636259	10.656	ppbv	99
25) Ethyl Acetate	5.65	43	1733339	10.998	ppbv	99
26) Hexane	5.67	57	677514	9.602	ppbv	89
27) Carbon Disulfide	4.54	76	801569	11.580	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	586432	11.157	ppbv	99
29) Chloroform	5.73	83	1132850	10.027	ppbv	99
30) Cyclohexane	7.11	84	598883	9.762	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	679154	10.237	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	1107893	10.162	ppbv	100
34) 2-Butanone	5.22	43	737752	9.655	ppbv	99
35) Carbon Tetrachloride	7.00	117	1159248	10.348	ppbv	99
36) Benzene	6.87	78	1453579	9.755	ppbv	100
37) 1,2-Dichloroethane	6.29	62	782946	10.330	ppbv	98
38) Trichloroethene	7.81	130	606405	9.715	ppbv	99
39) 1,2-Dichloropropane	7.59	63	551547	9.468	ppbv	97
40) 1,4-Dioxane	7.81	88	175238	8.663	ppbv	68
41) Tetrahydrofuran	6.02	42	549916	9.669	ppbv	99
42) Bromodichloromethane	7.77	83	1198667	10.548	ppbv	99
43) Methyl Methacrylate	7.99	69	615453	11.125	ppbv	99

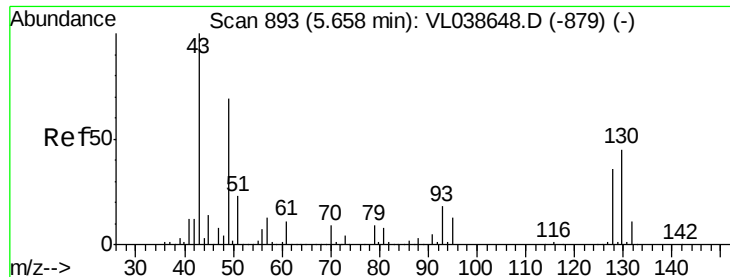
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2390866	9.557	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	666812	11.855	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	832415	10.945	ppbv	100
47) 1,1,2-Trichloroethane	9.45	97	610194	9.812	ppbv	99
48) Dibromochloromethane	10.28	129	1065690	10.940	ppbv	99
49) Bromoform	13.01	173	886352	11.163	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1427079	10.045	ppbv	99
51) 2-Hexanone	10.11	43	1109180	10.870	ppbv #	99
52) Tetrachloroethene	11.20	164	524744	9.623	ppbv	97
53) Toluene	9.78	91	1670698	10.435	ppbv	99
54) 1,2-Dibromoethane	10.58	107	913230	10.754	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	781940	8.371	ppbv	100
57) Chlorobenzene	12.12	112	1260757	7.758	ppbv	99
58) Ethyl Benzene	12.68	91	2192101	8.322	ppbv	99
59) m/p-Xylene	12.97	91	2086273	9.054	ppbv #	46
60) o-Xylene	13.67	91	1808699	8.268	ppbv	99
61) Styrene	13.50	104	1079371	9.098	ppbv	99
62) Isopropylbenzene	14.64	105	2796147	8.502	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1277347	7.538	ppbv	99
64) n-propylbenzene	15.54	120	750193	8.693	ppbv	97
65) tert-Butylbenzene	16.72	119	2479750	8.391	ppbv	98
66) Benzyl Chloride	16.96	91	519813	9.289	ppbv	99
67) sec-Butylbenzene	17.27	105	3583766	8.479	ppbv	99
69) p-Isopropyltoluene	17.63	119	2943415	8.533	ppbv	99
70) n-Butylbenzene	18.53	91	3034062	8.528	ppbv	100
71) 2-Chlorotoluene	15.43	91	2070953	8.483	ppbv	99
72) 4-Ethyltoluene	15.82	105	2213550	8.571	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	1919765	8.158	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2060002	8.037	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	1268670	7.771	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1247039	7.680	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1233371	7.626	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	905118	6.055	ppbv	99
79) Naphthalene	22.16	128	1636171	8.355	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	387780	7.384	ppbv	94
81) 1,2,4-Trichlorobenzene	21.90	180	930183	6.938	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 23 Mar 2022 11:10

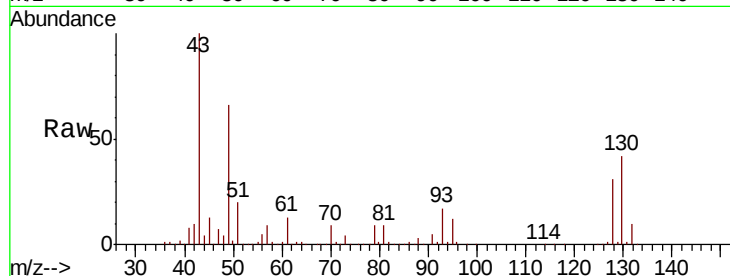
Tot Ion: 49 Resp: 725579

Ion Ratio Lower Upper

49 100

128 52.6 26.2 78.6

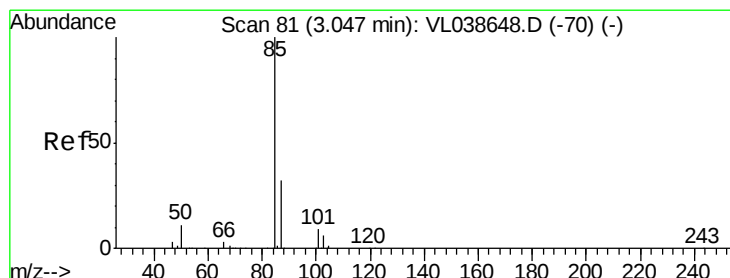
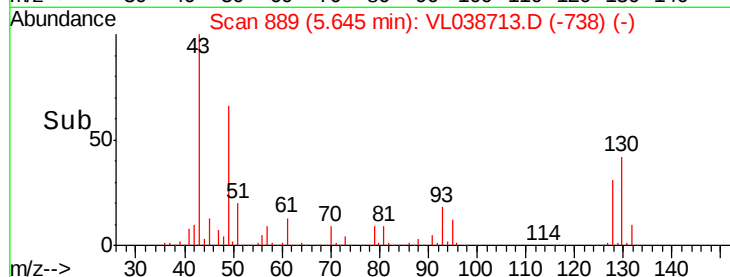
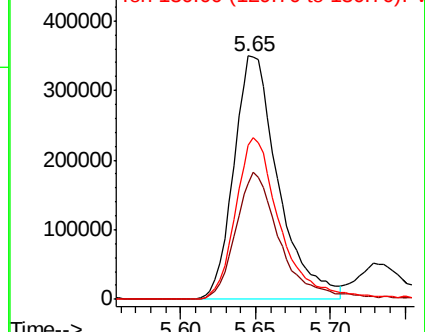
130 67.8 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.446 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL038713.D

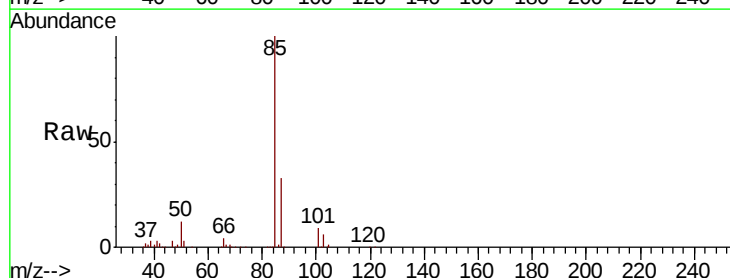
Acq: 23 Mar 2022 11:10

Tgt Ion: 85 Resp: 921306

Ion Ratio Lower Upper

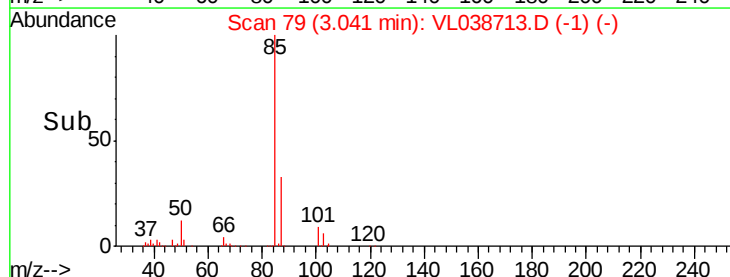
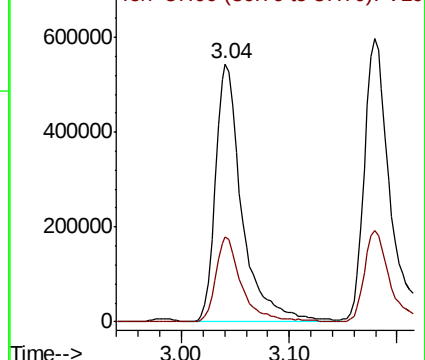
85 100

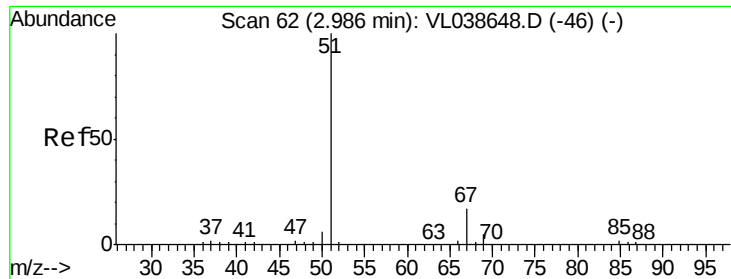
87 32.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

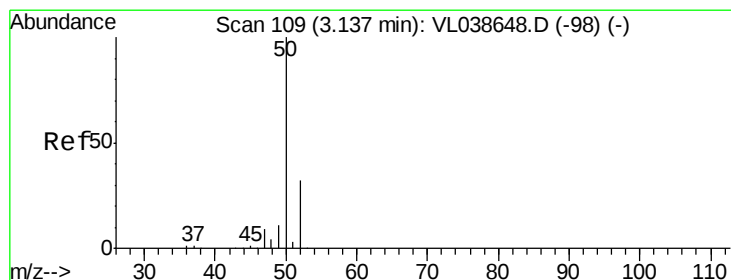
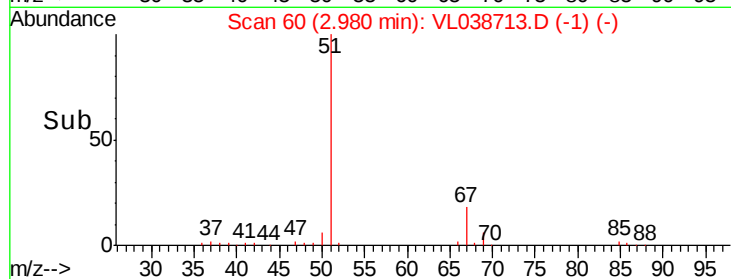
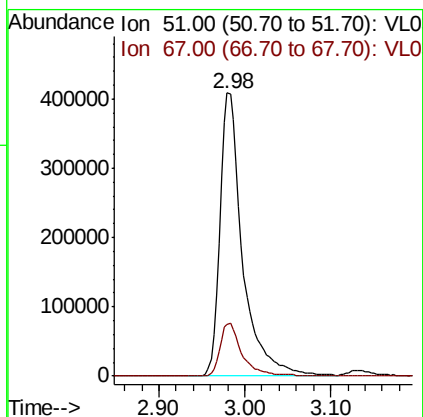
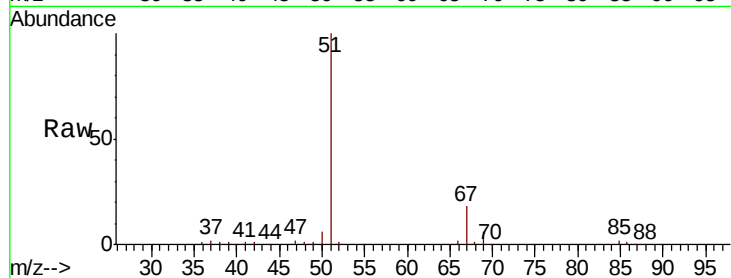
Ion 87.00 (86.70 to 87.70): VL0





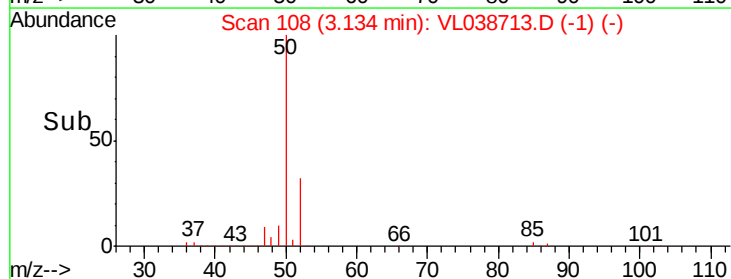
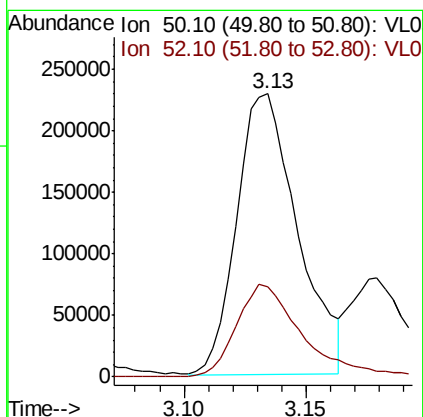
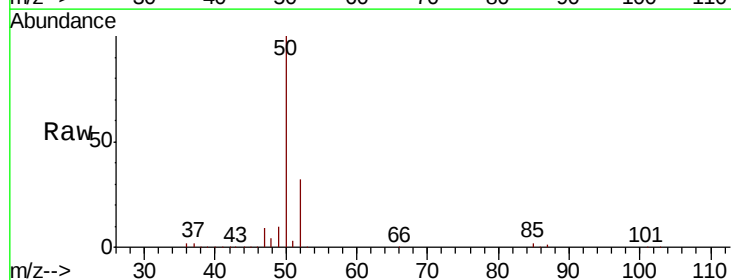
#3
 Chlorodifluoromethane
 Concen: 9.764 ppbv
 RT: 2.98
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

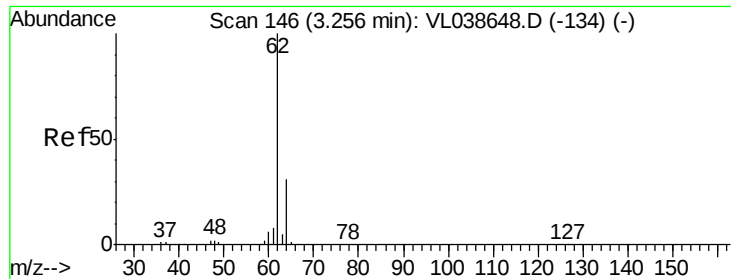
Tot Ion: 51 Resp: 748250
 Ion Ratio Lower Upper
 51 100
 67 18.4 14.1 21.1



#4
 Chloromethane
 Concen: 9.413 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.00 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

Tgt Ion: 50 Resp: 396036
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.5 38.3





#5

Vinyl Chloride

Concen: 9.610 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

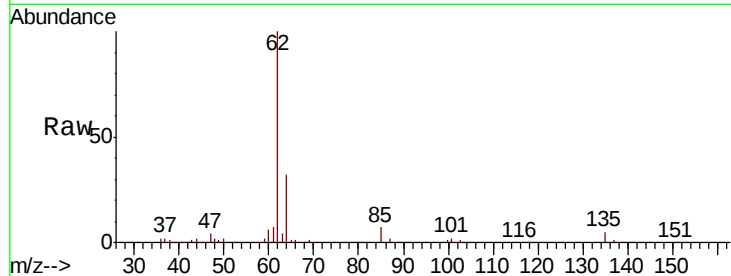
Acq: 23 Mar 2022 11:10

Tot Ion: 62 Resp: 410833

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

250000

200000

150000

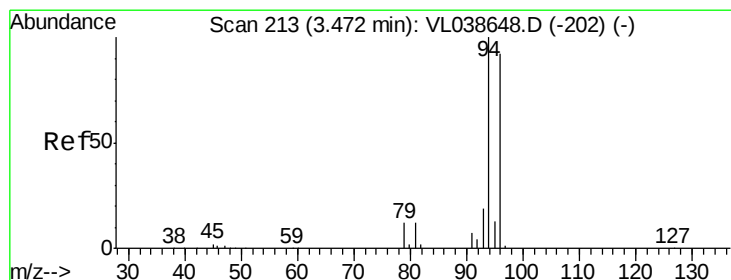
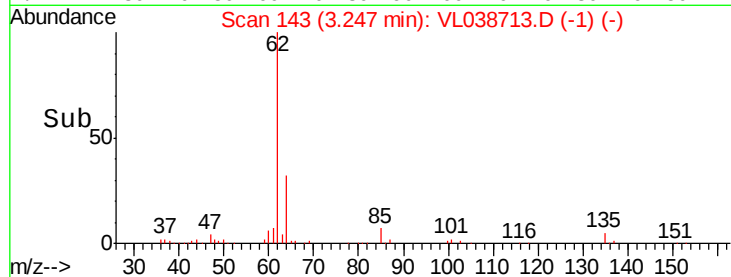
100000

50000

0

3.20 3.30

Time-->



#6

Bromomethane

Concen: 10.888 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL038713.D

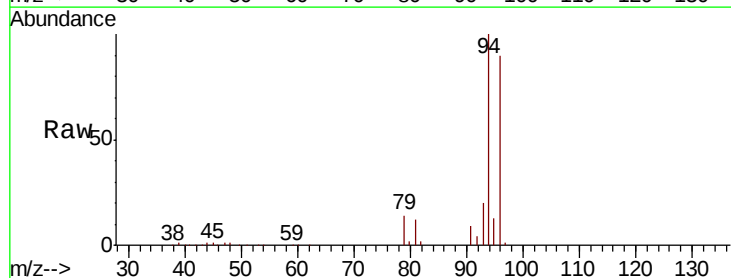
Acq: 23 Mar 2022 11:10

Tgt Ion: 94 Resp: 248156

Ion Ratio Lower Upper

94 100

96 90.1 73.3 109.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

150000

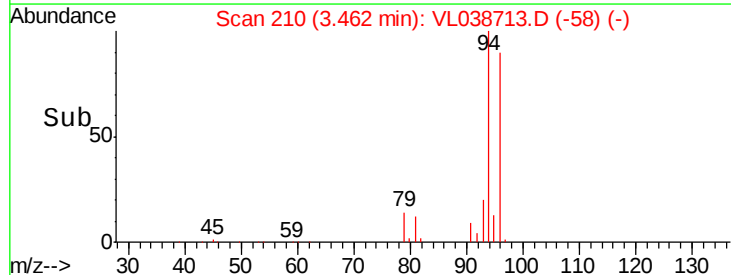
100000

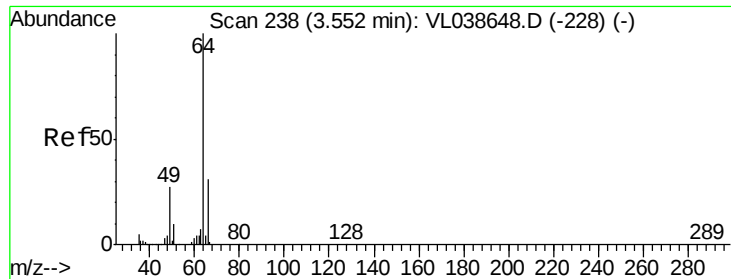
50000

0

3.40 3.50 3.60

Time-->





#7

Chloroethane

Concen: 10.018 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

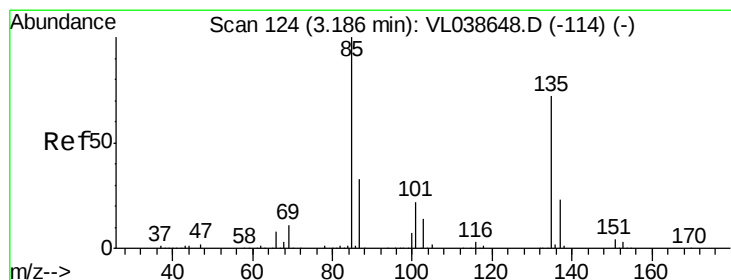
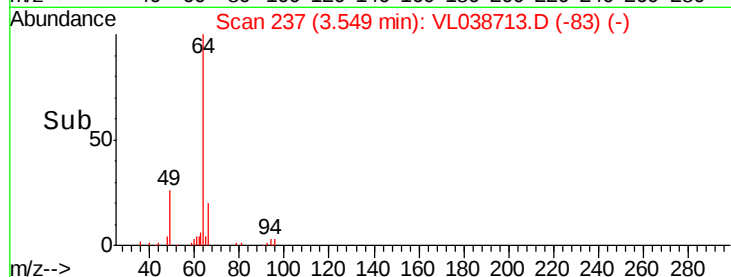
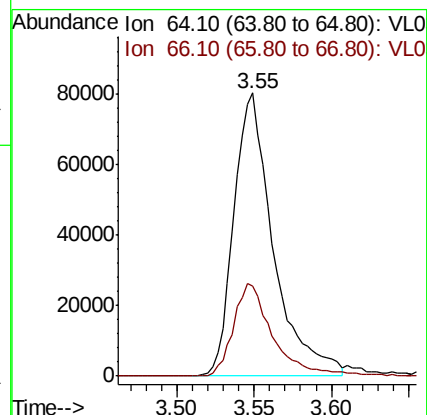
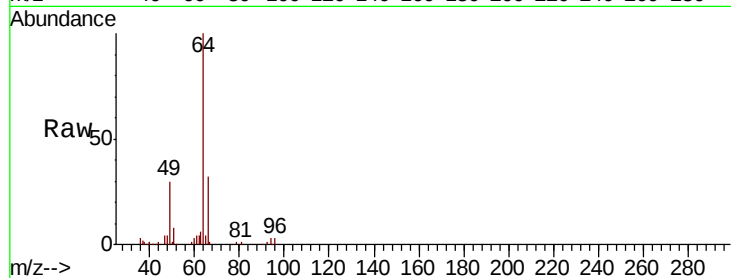
Acq: 23 Mar 2022 11:10 VSTDCCC010EC

Tot Ion: 64 Resp: 141780

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 10.173 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL038713.D

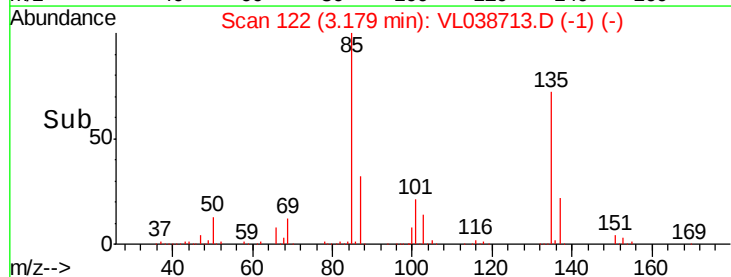
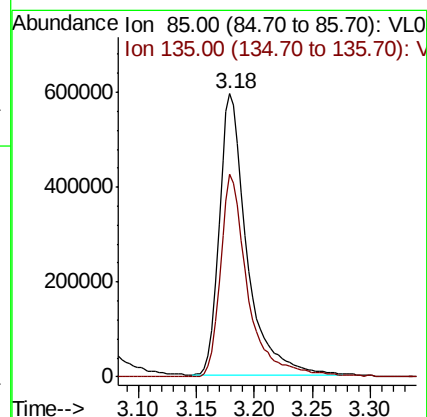
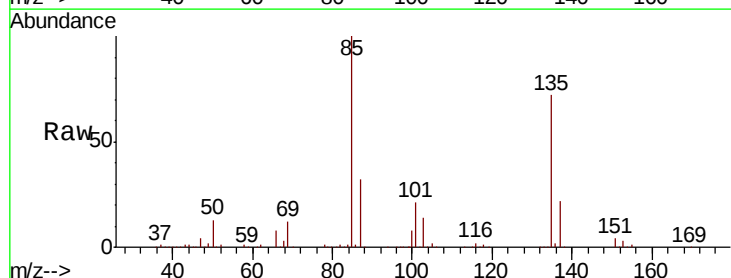
Acq: 23 Mar 2022 11:10

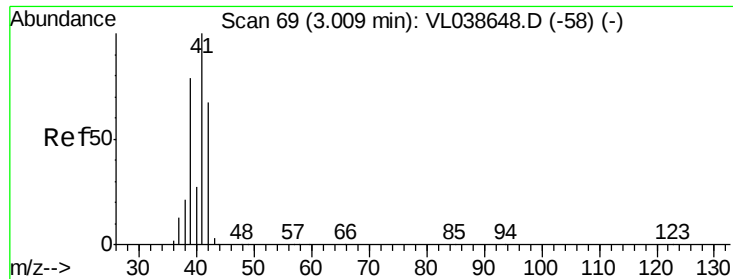
Tgt Ion: 85 Resp: 990715

Ion Ratio Lower Upper

85 100

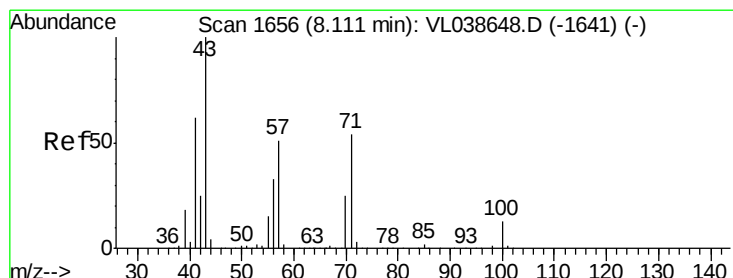
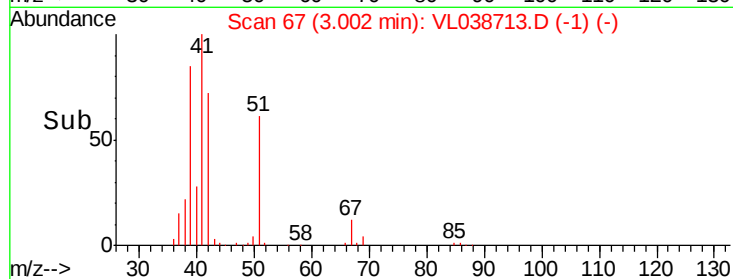
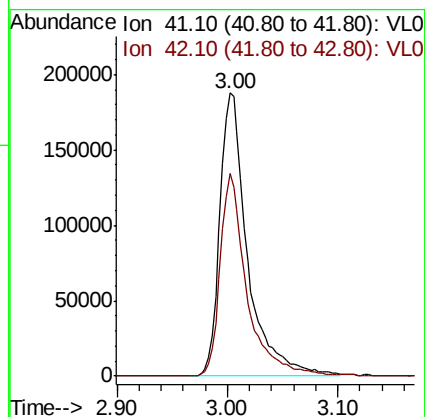
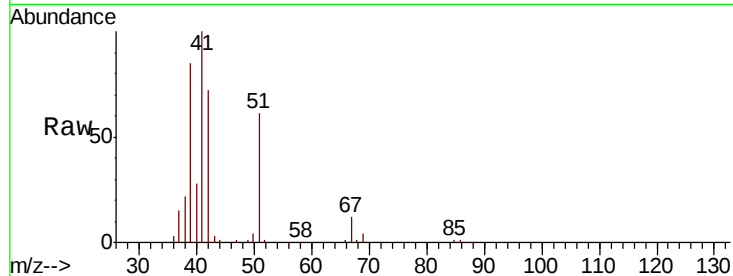
135 72.0 57.8 86.6





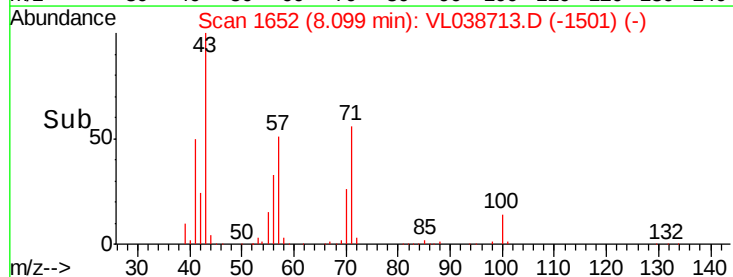
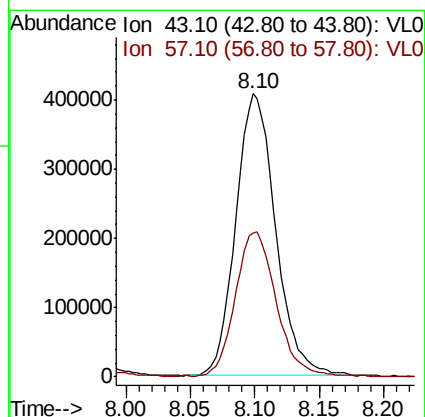
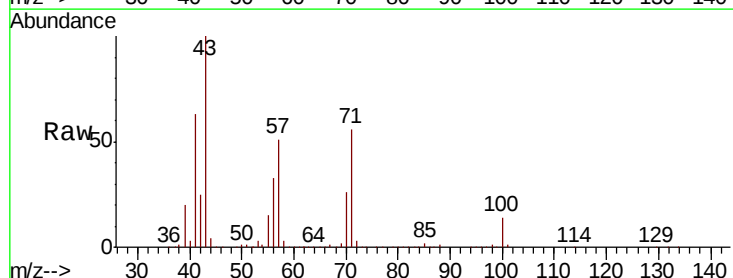
#9
 Propene
 Concen: 8.837 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

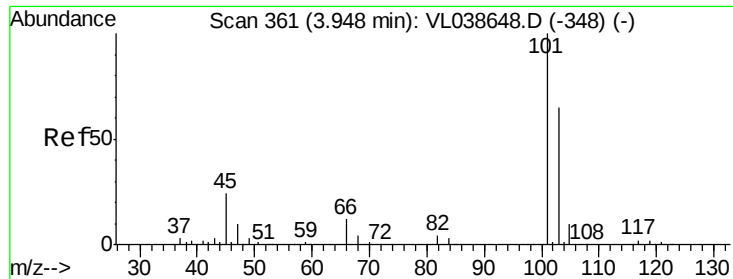
Tot Ion: 41 Resp: 326954
 Ion Ratio Lower Upper
 41 100
 42 69.4 56.2 84.4



#10
 Heptane
 Concen: 9.876 ppbv
 RT: 8.10 min Scan# 1652
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

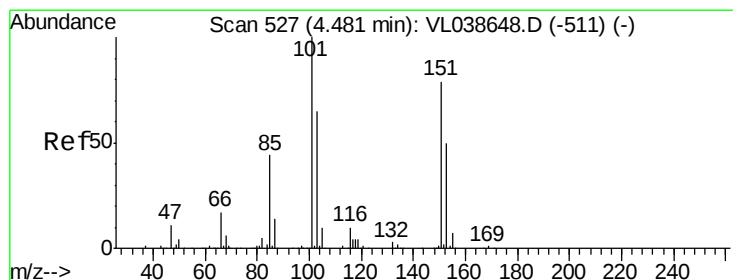
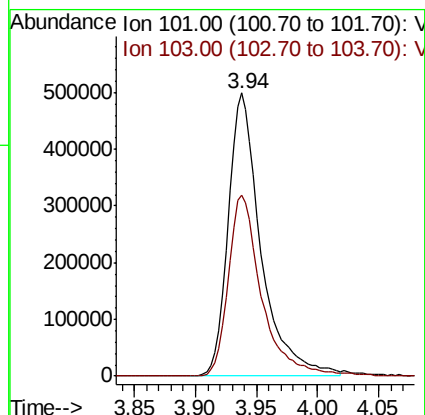
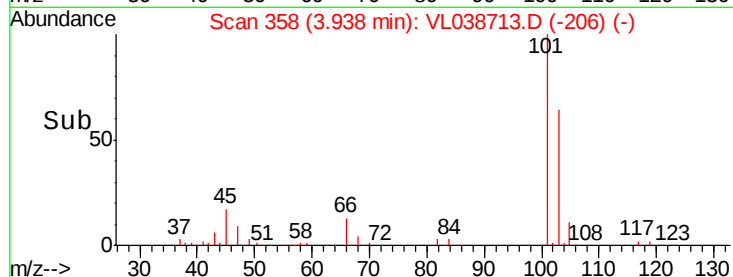
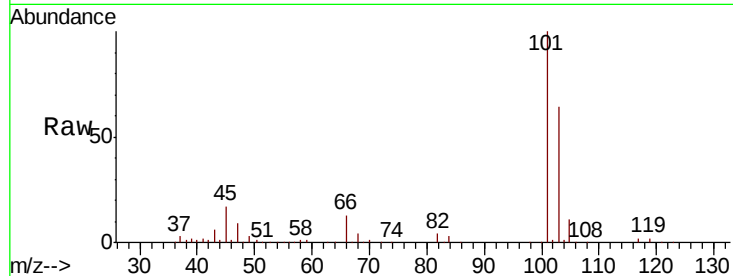
Tgt Ion: 43 Resp: 873457
 Ion Ratio Lower Upper
 43 100
 57 53.1 41.4 62.2





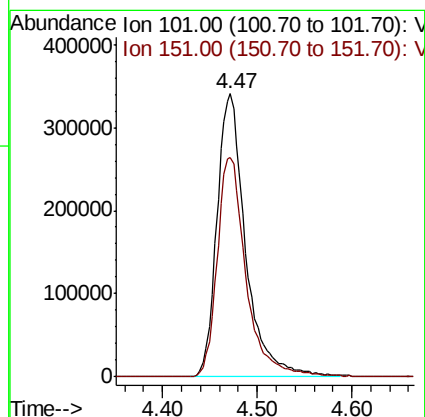
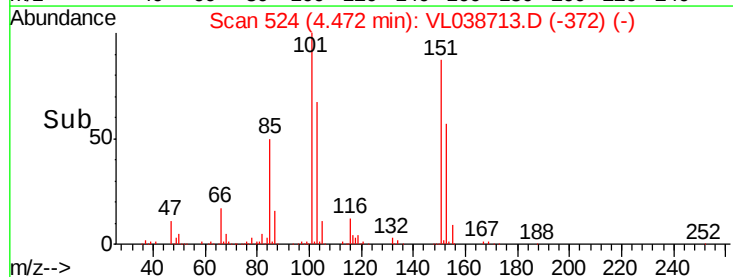
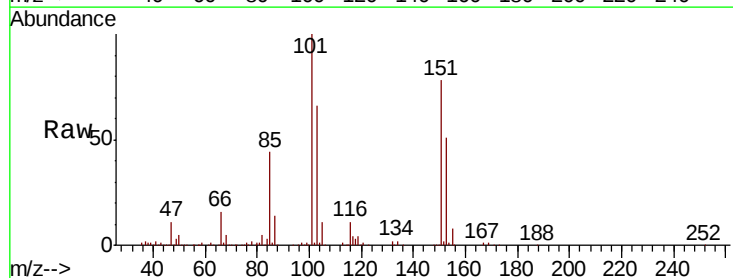
#11
 Trichlorofluoromethane
 Concen: 10.886 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

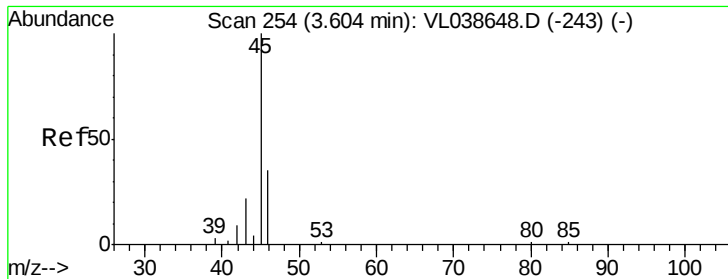
Tot Ion:101 Resp: 937171
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.828 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T.: -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

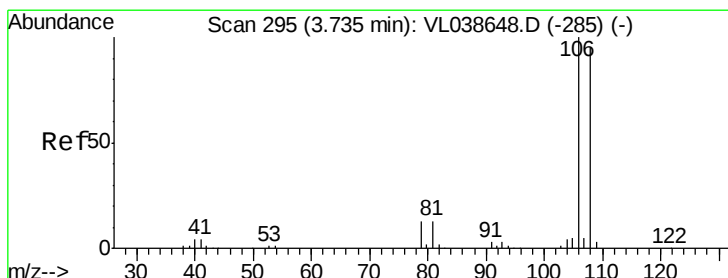
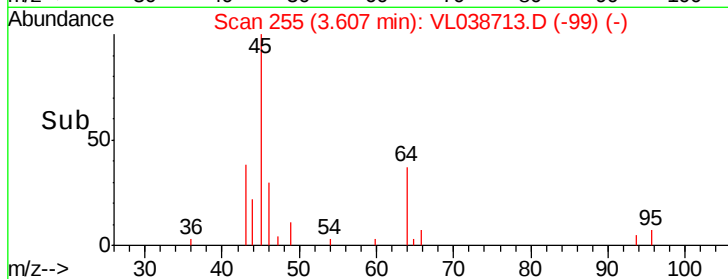
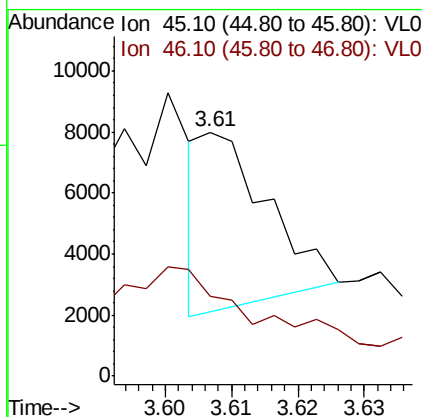
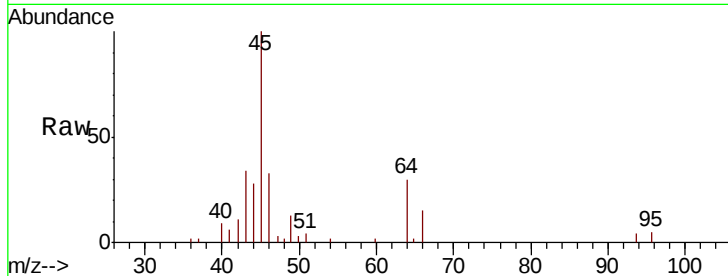
Tgt Ion:101 Resp: 717574
 Ion Ratio Lower Upper
 101 100
 151 78.5 62.9 94.3





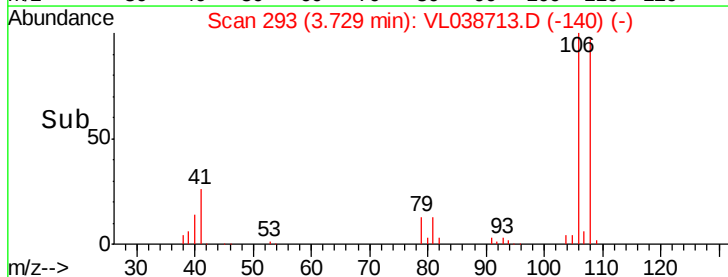
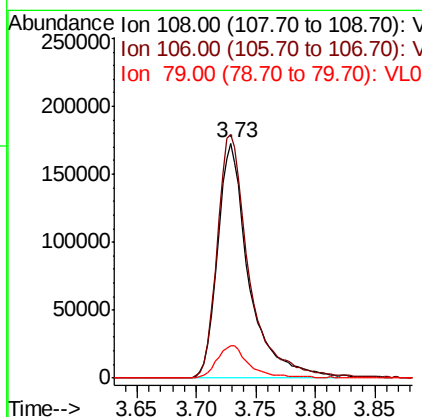
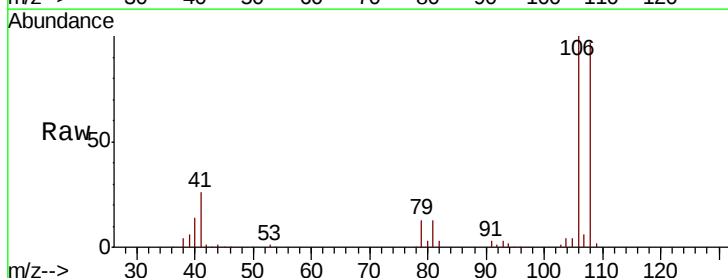
#13
Ethanol
Concen: 0.981 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

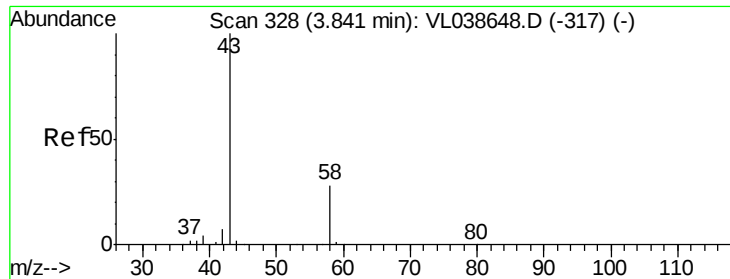
Tot Ion: 45 Resp: 4004
Ion Ratio Lower Upper
45 100
46 210.7 15.1 60.5#



#14
Bromoethene
Concen: 10.706 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

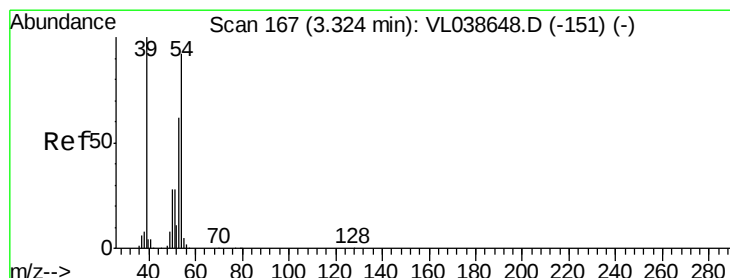
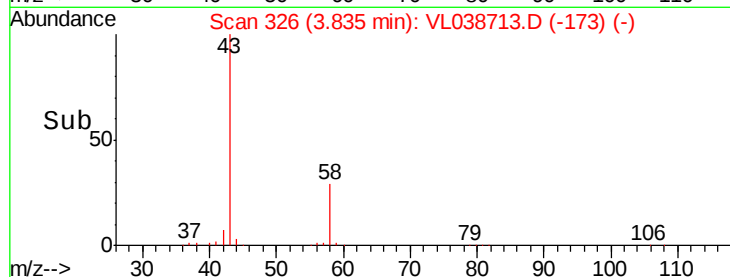
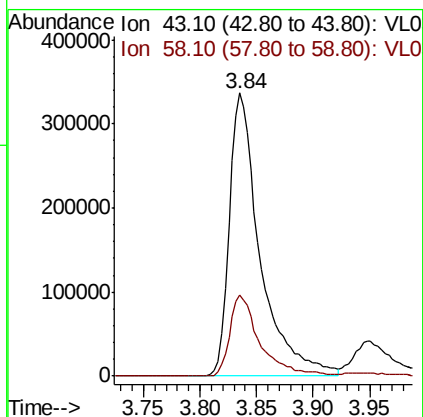
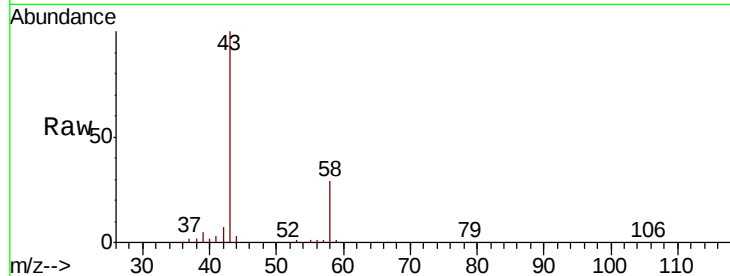
Tgt Ion: 108 Resp: 315316
Ion Ratio Lower Upper
108 100
106 107.0 88.3 132.5
79 14.6 11.2 16.8





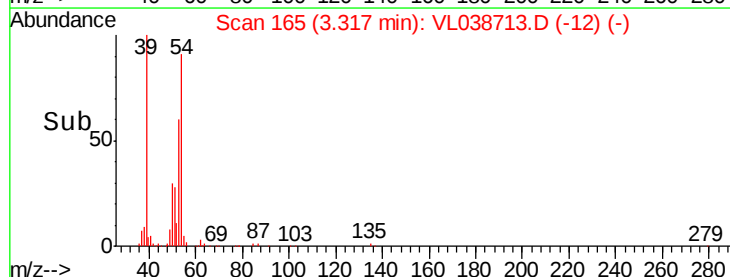
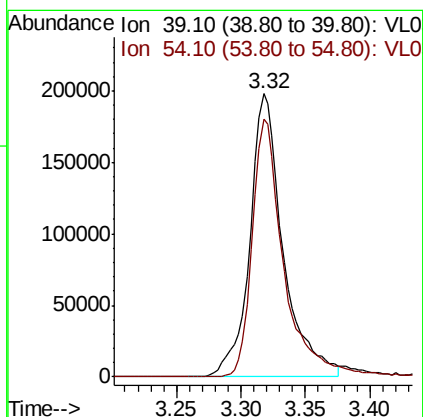
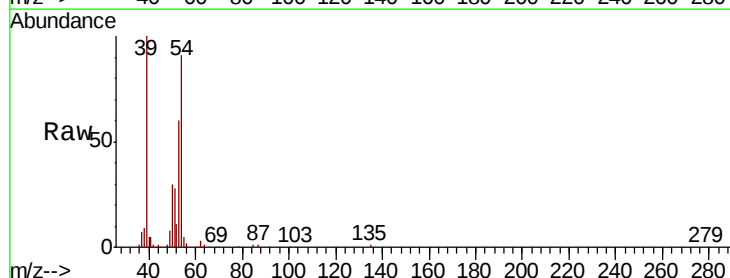
#15
Acetone
Concen: 10.181 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

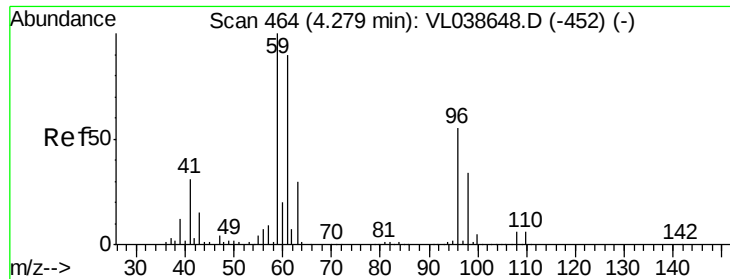
Tot Ion: 43 Resp: 637409
Ion Ratio Lower Upper
43 100
58 28.3 23.3 34.9



#16
1,3-Butadiene
Concen: 10.066 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion: 39 Resp: 357660
Ion Ratio Lower Upper
39 100
54 87.4 69.1 103.7





#17

tert-Butyl alcohol

Concen: 12.240 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

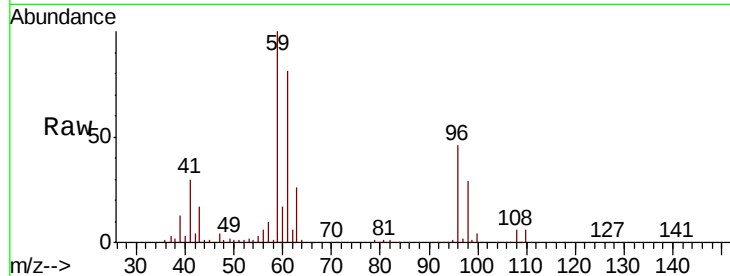
Acq: 23 Mar 2022 11:10 VSTDCCC010EC

Tot Ion: 59 Resp: 669276

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

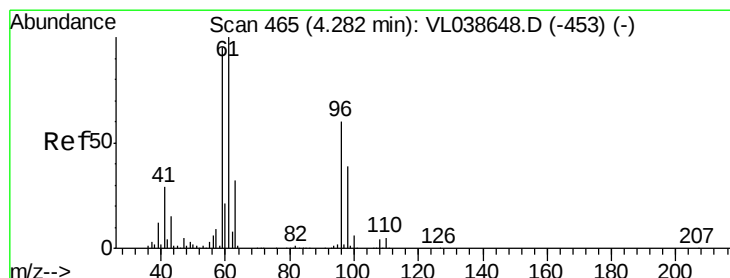
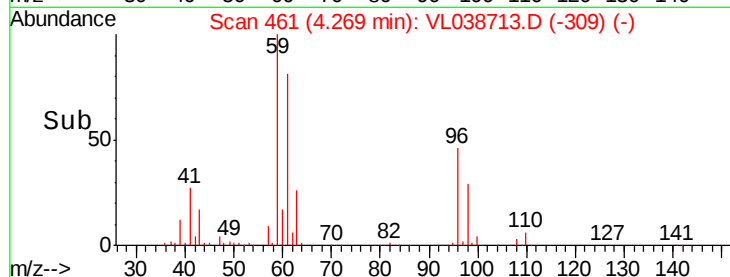
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.034 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

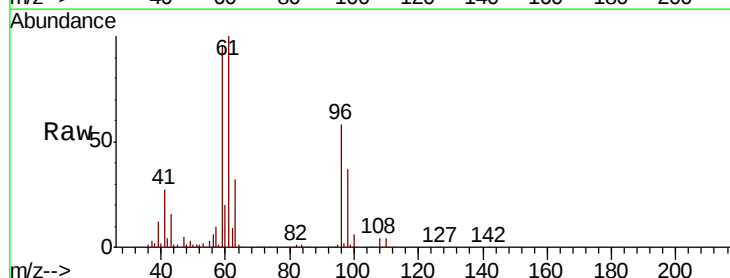
Tgt Ion: 96 Resp: 328483

Ion Ratio Lower Upper

96 100

61 173.8 132.4 198.6

98 65.2 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

400000

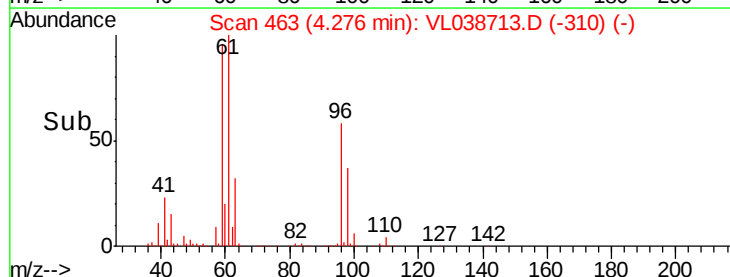
300000

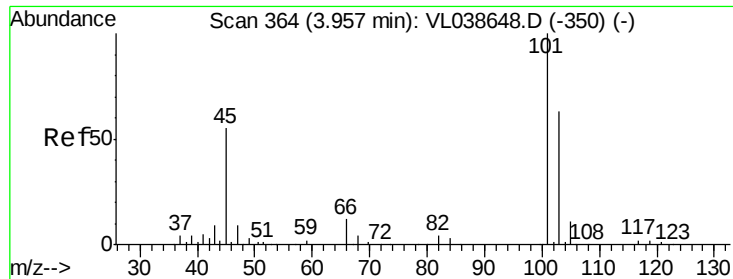
200000

100000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.802 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

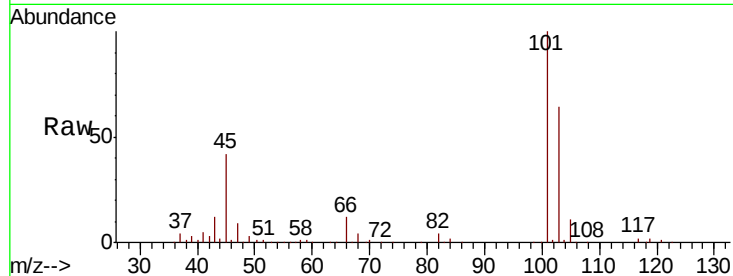
Acq: 23 Mar 2022 11:10 VSTDCCC010EC

Tot Ion: 45 Resp: 340249

Ion Ratio Lower Upper

45 100

58 3.4 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

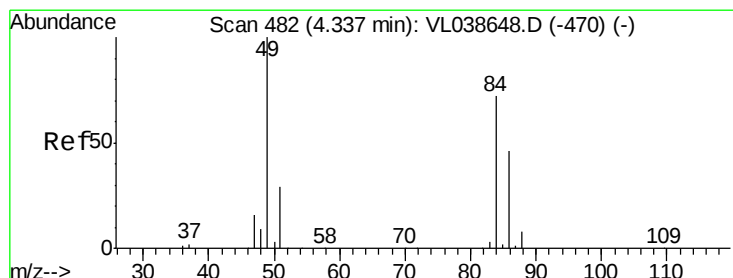
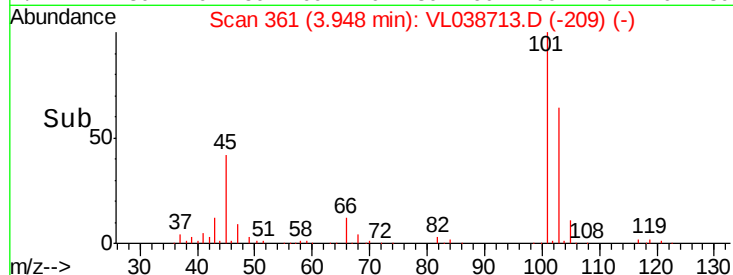
100000

50000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 9.931 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

Tgt Ion: 84 Resp: 261883

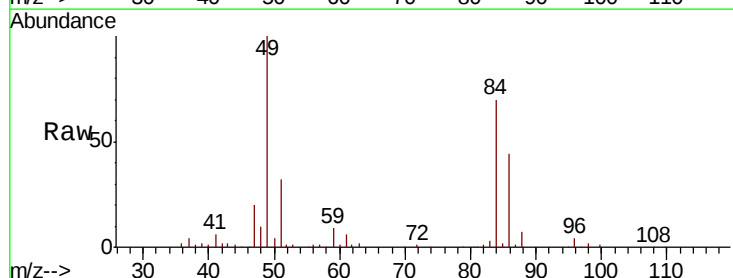
Ion Ratio Lower Upper

84 100

49 141.6 111.2 166.8

51 44.4 32.8 49.2

86 63.7 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

300000

250000

200000

150000

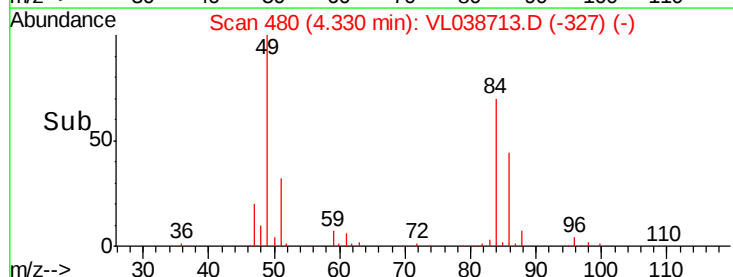
100000

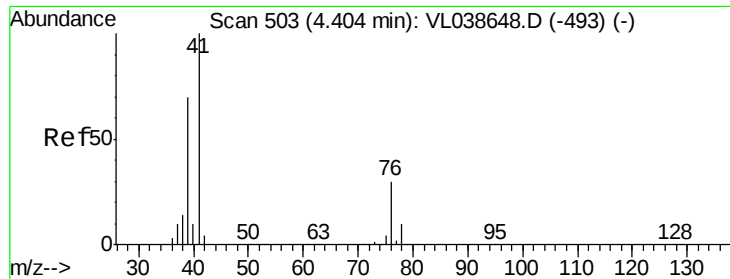
50000

0

4.25 4.30 4.35 4.40 4.45

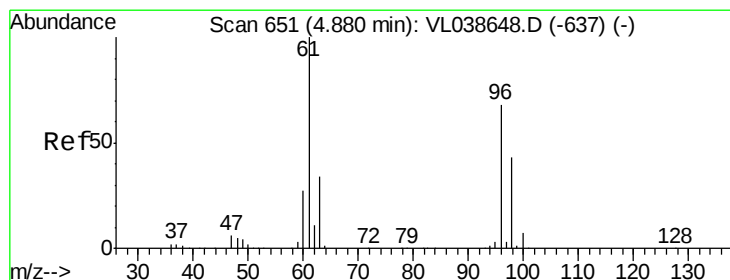
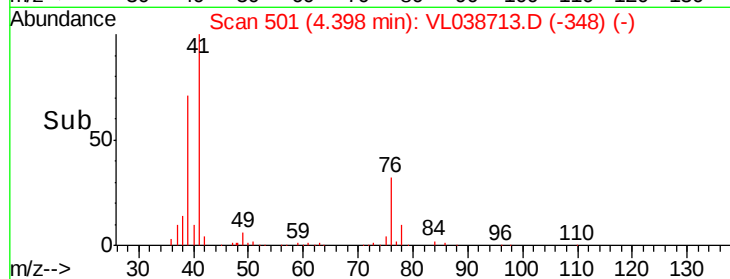
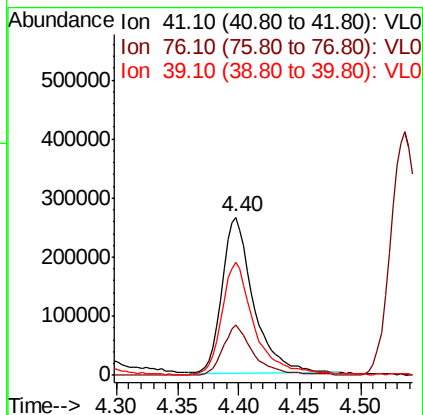
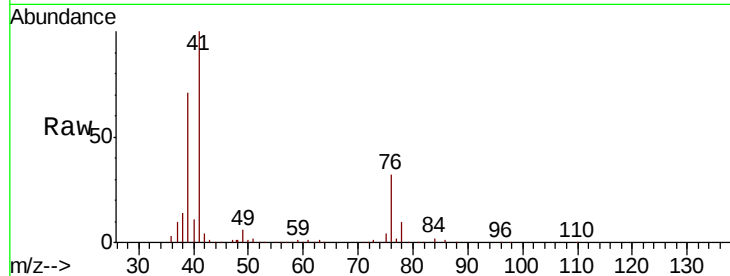
Time-->





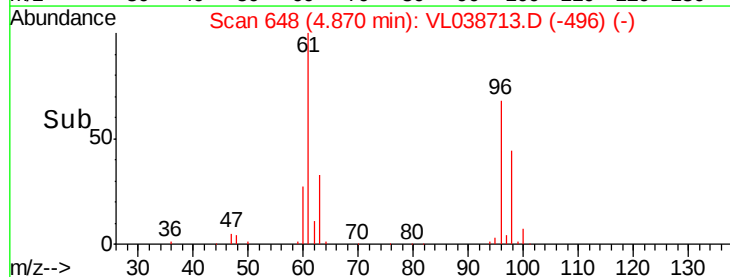
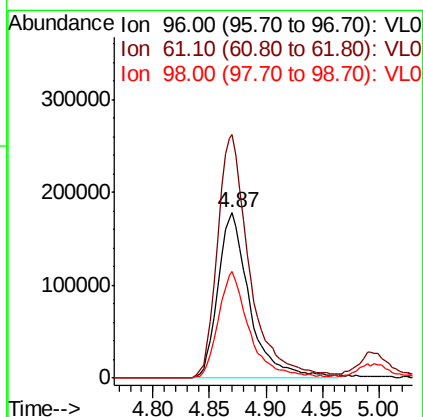
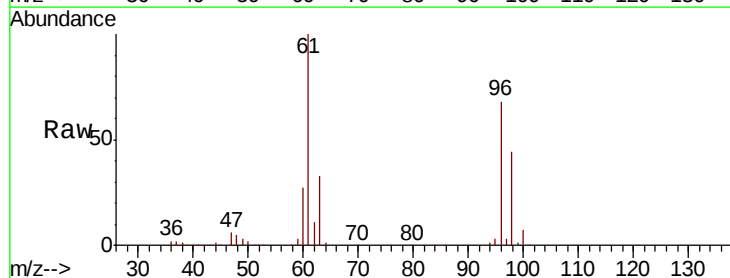
#21
Allvl Chloride
Concen: 10.659 ppbv
RT: 4.40
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 11:10

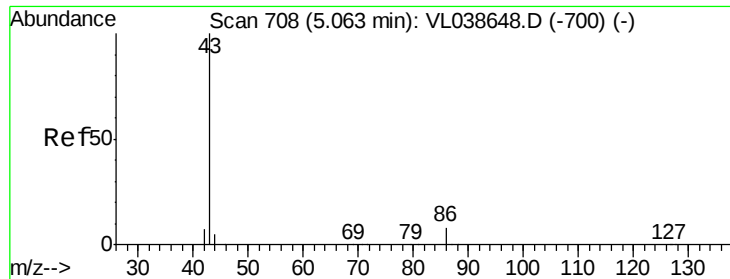
Tot Ion: 41 Resp: 480280
Ion Ratio Lower Upper
41 100
76 31.7 25.0 37.6
39 73.2 56.6 85.0



#22
trans-1,2-Dichloroethene
Concen: 11.244 ppbv
RT: 4.87 min Scan# 648
Delta R.T.: -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion: 96 Resp: 347217
Ion Ratio Lower Upper
96 100
61 147.0 118.3 177.5
98 64.7 51.3 76.9





#23

Vinyl Acetate

Concen: 7.844 ppbv

RT: 5.06 Instrument: MSVOA_1

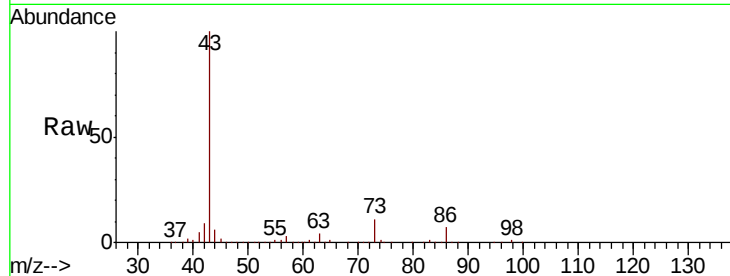
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

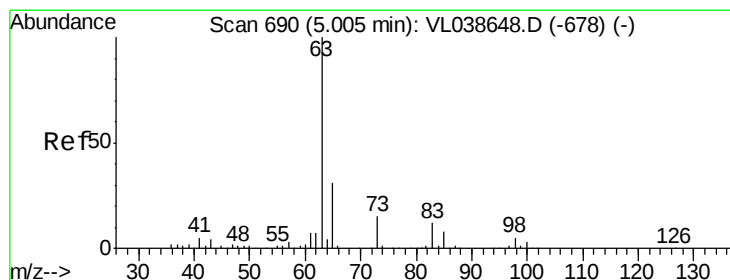
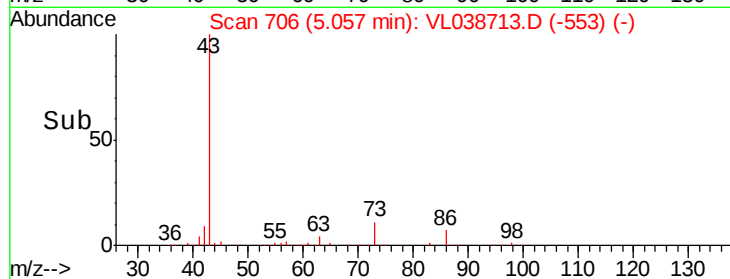
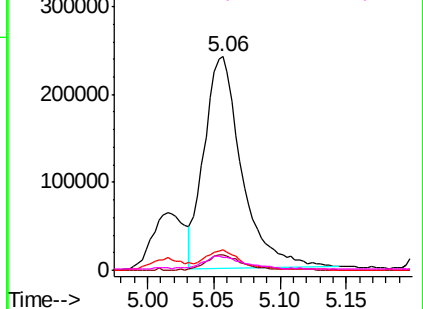
Acq: 23 Mar 2022 11:10

Tot Ion: 43 Resp: 475537

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.6	8.4
42	9.4	6.8	10.2
44	5.5	4.2	6.2



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



#24

1,1-Dichloroethane

Concen: 10.656 ppbv

RT: 5.00 min Scan# 687

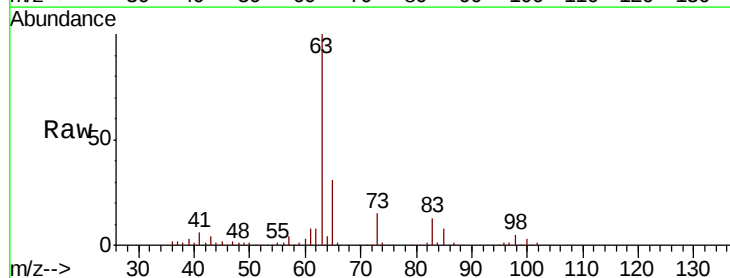
Delta R.T. -0.01 min

Lab File: VL038713.D

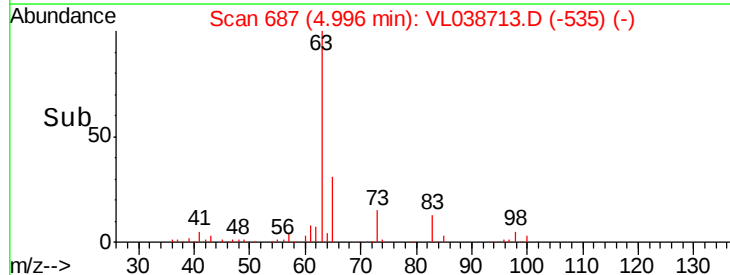
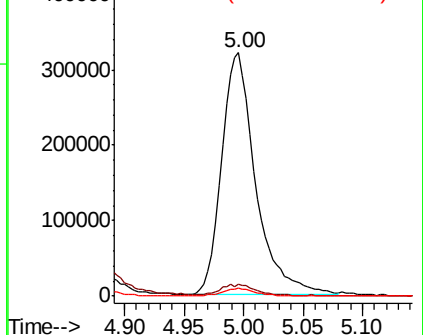
Acq: 23 Mar 2022 11:10

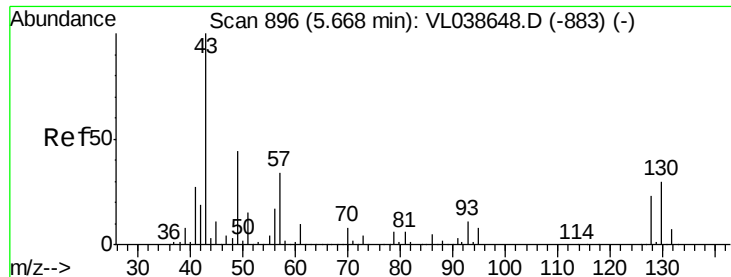
Tgt Ion: 63 Resp: 636259

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.5	7.5
100	3.0	1.4	4.2



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

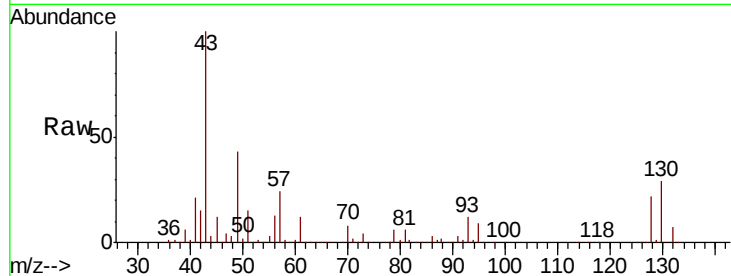




#25
Ethyl Acetate
Concen: 10.998 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 11:10

Tot Ion: 43 Resp: 1733339

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.4
61	10.9	8.3	12.5
70	7.5	5.6	8.4



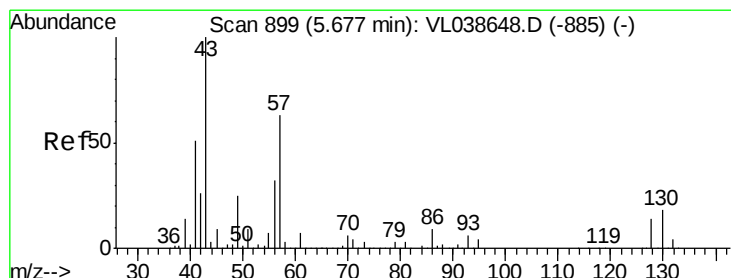
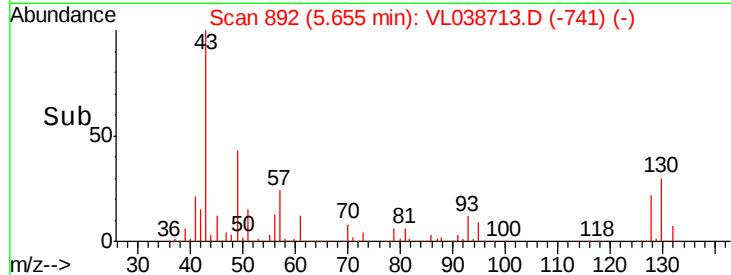
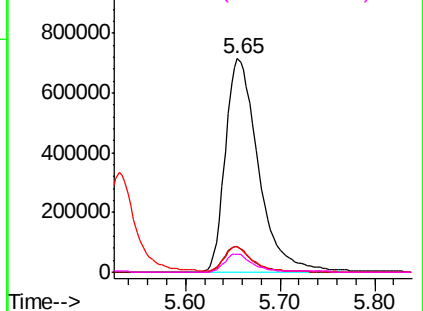
Abundance

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

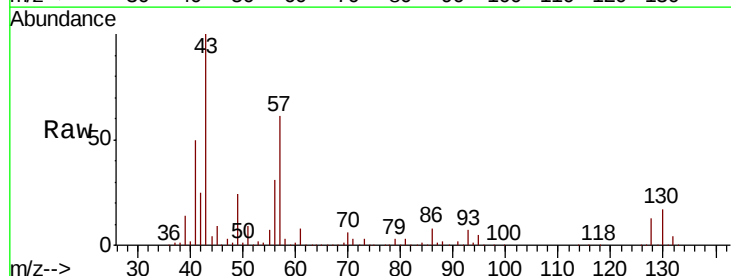
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.602 ppbv
RT: 5.67 min Scan# 896
Delta R.T.: -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion: 57 Resp: 677514

Ion	Ratio	Lower	Upper
57	100		
41	85.6	67.0	100.4
43	258.0	184.2	276.2
56	54.4	42.6	64.0



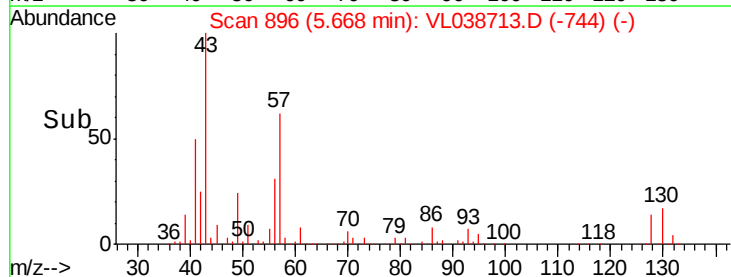
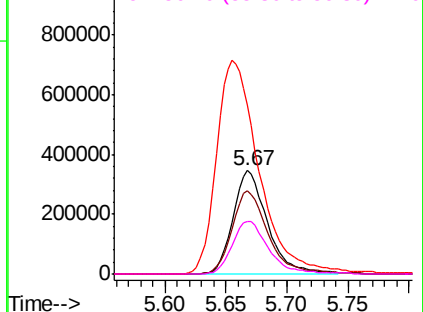
Abundance

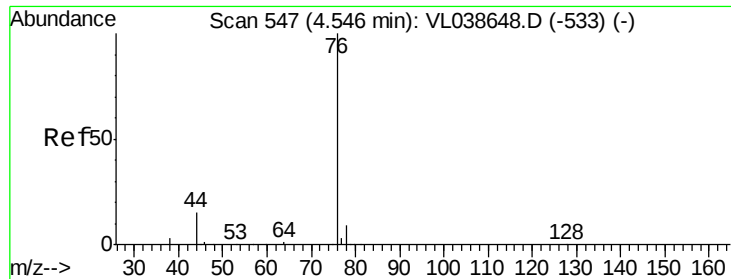
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

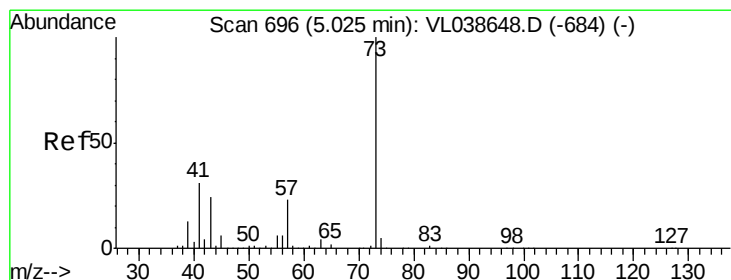
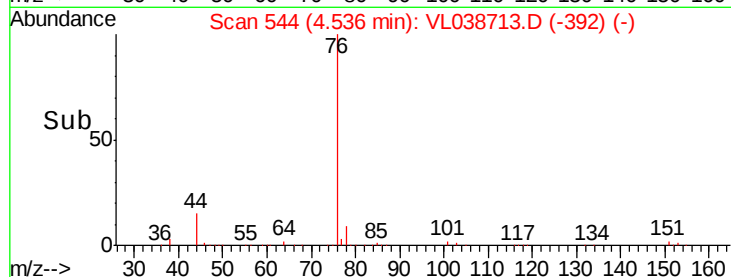
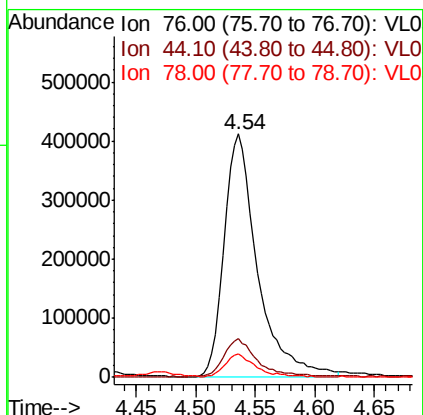
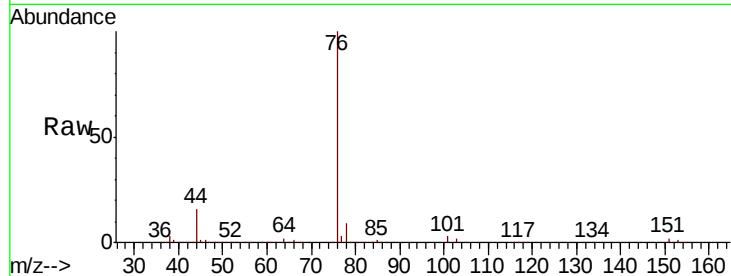
Ion 56.10 (55.80 to 56.80): VL0





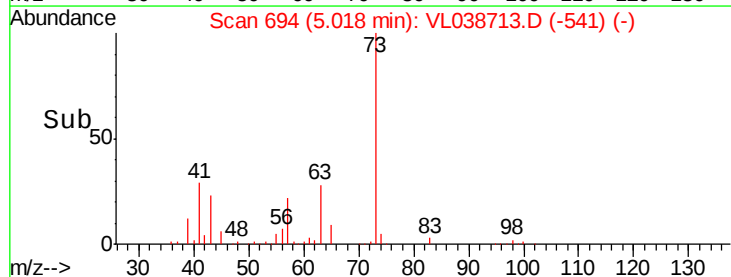
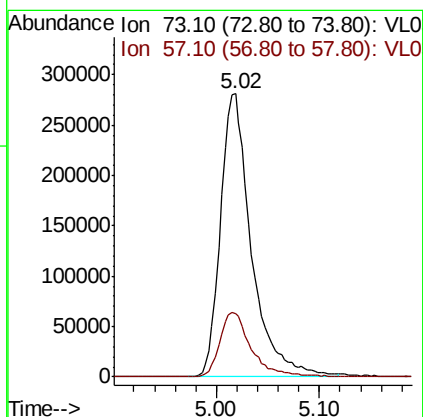
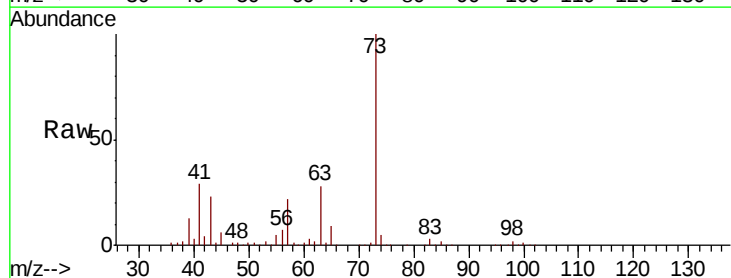
#27
Carbon Disulfide
Concen: 11.580 ppbv
RT: 4.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 11:10

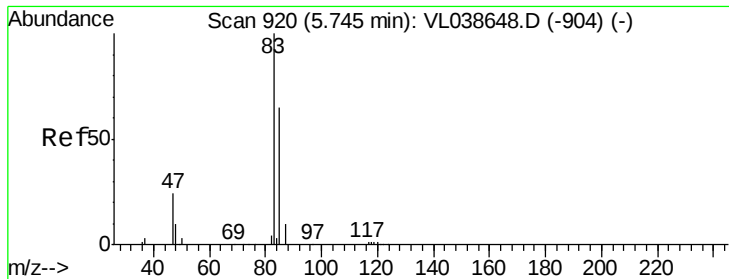
Tot Ion	Ratio	Lower	Upper
76	100		
44	16.1	12.4	18.6
78	9.9	7.8	11.8



#28
Methyl tert-Butyl Ether
Concen: 11.157 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

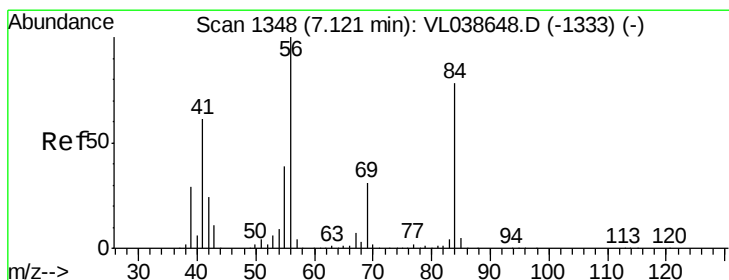
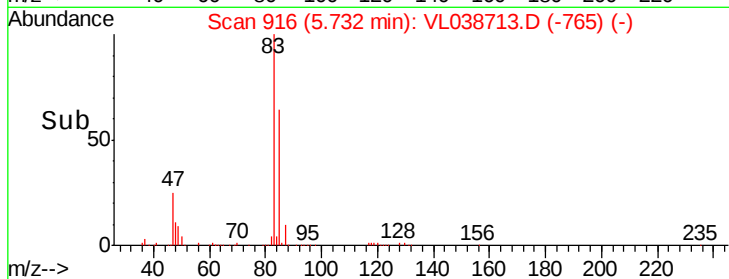
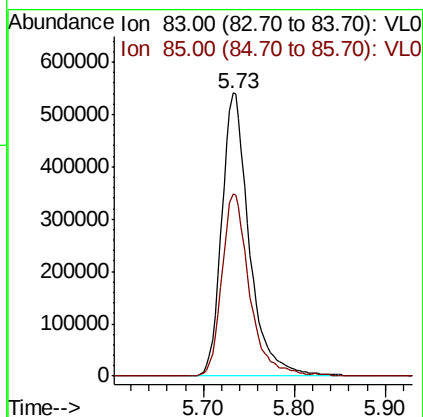
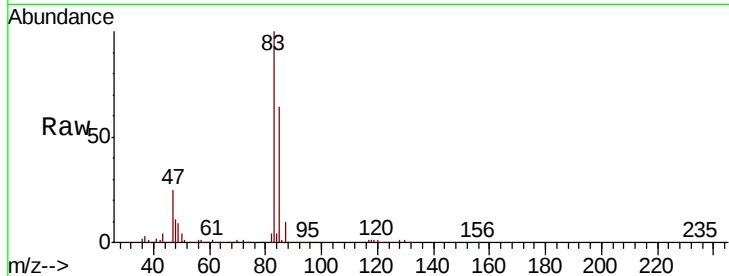
Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.2	28.8





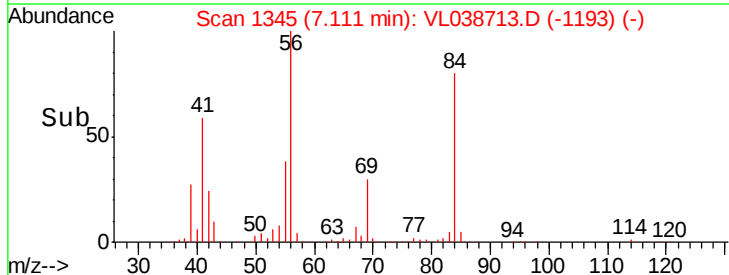
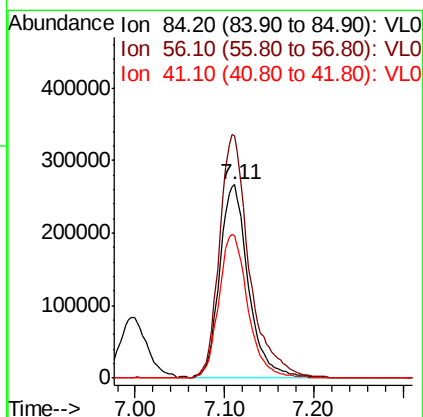
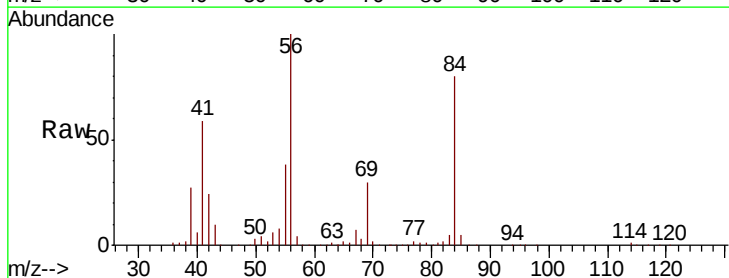
#29
Chloroform
Concen: 10.027 ppbv
RT: 5.73
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 11:10

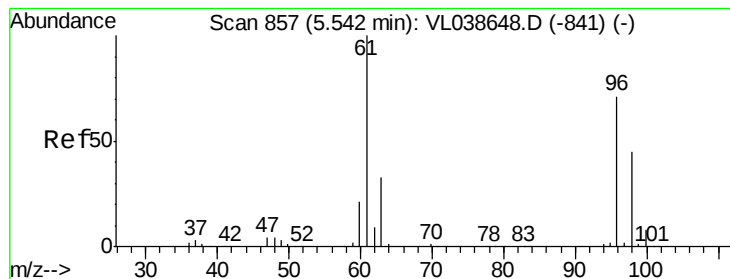
Tot Ion: 83 Resp: 1132850
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5



#30
Cyclohexane
Concen: 9.762 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion: 84 Resp: 598883
Ion Ratio Lower Upper
84 100
56 130.5 108.2 162.4
41 75.0 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 10.237 ppbv

RT: 5.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 11:10 VSTDCCC010EC

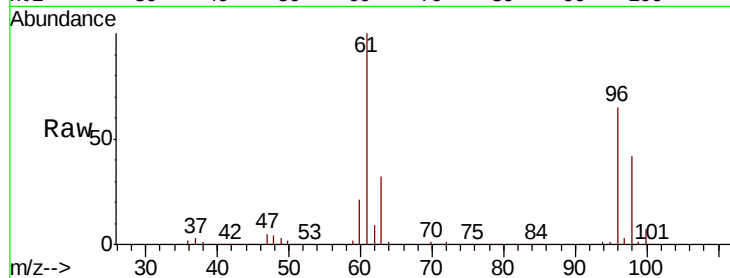
Tot Ion: 61 Resp: 679154

Ion Ratio Lower Upper

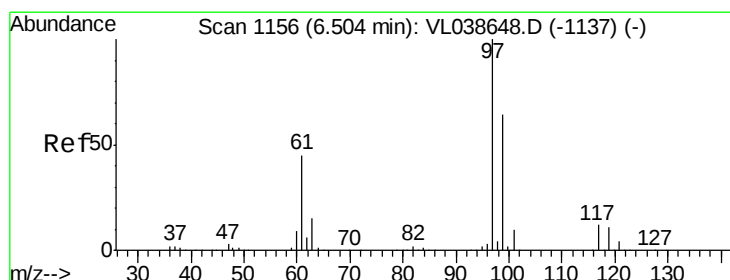
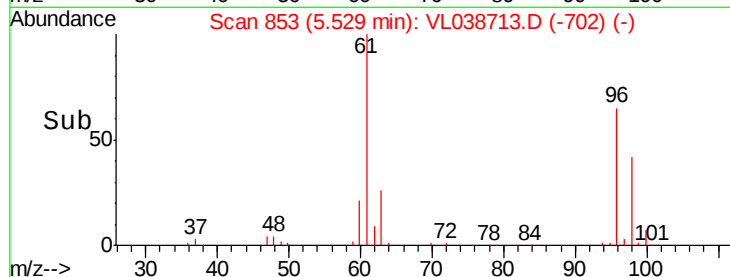
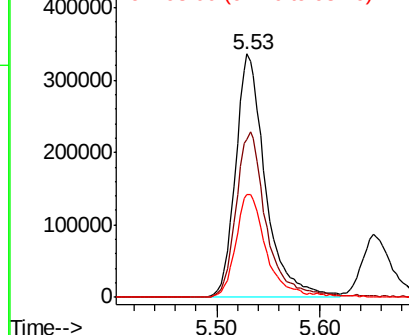
61 100

96 64.9 56.6 84.8

98 42.1 36.3 54.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.162 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

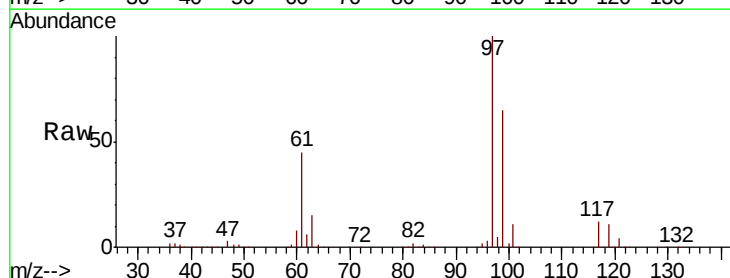
Tgt Ion: 97 Resp: 1107893

Ion Ratio Lower Upper

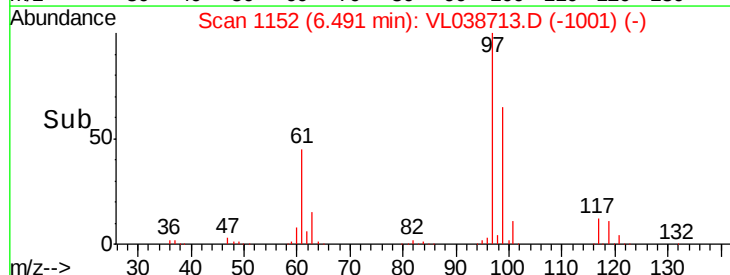
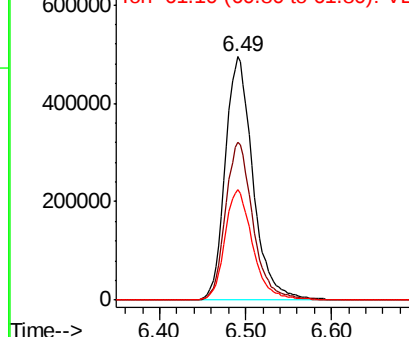
97 100

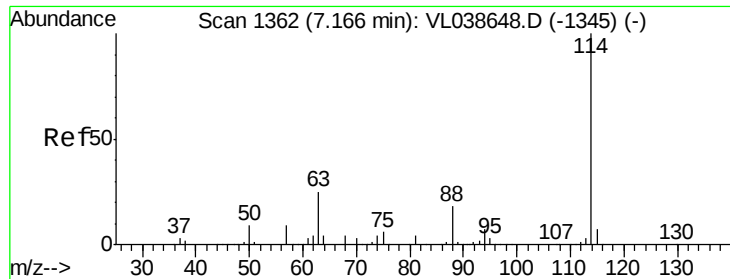
99 64.8 51.8 77.8

61 45.9 36.7 55.1



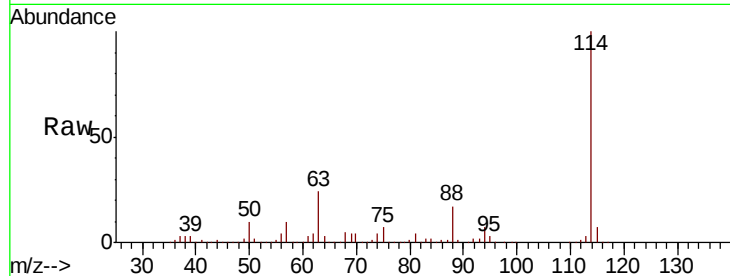
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



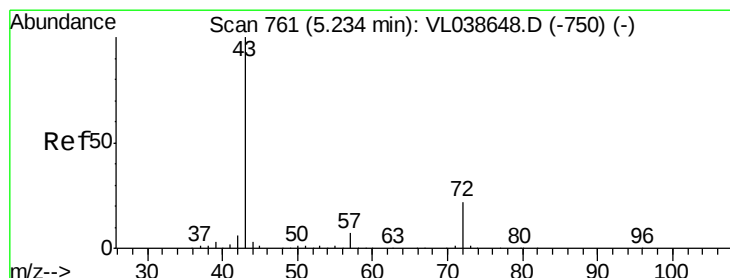
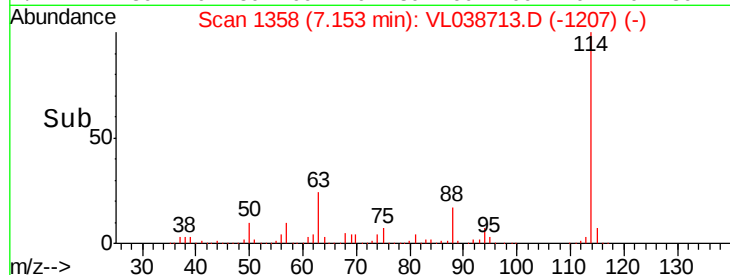
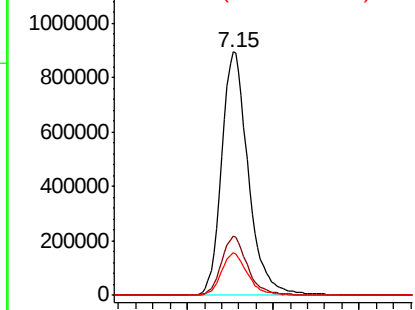


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

Tot Ion:114 Resp: 1930646
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.0
 88 17.2 13.9 20.9

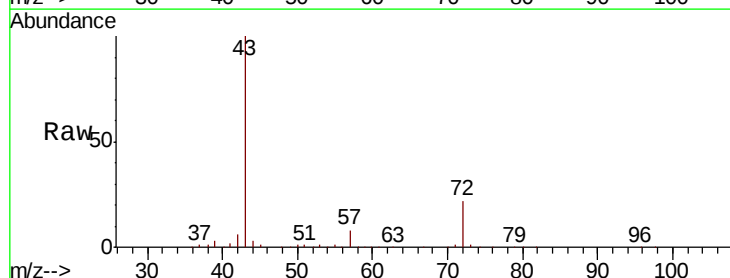


Abundance Ion 114.10 (113.80 to 114.80): V
 1200000
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

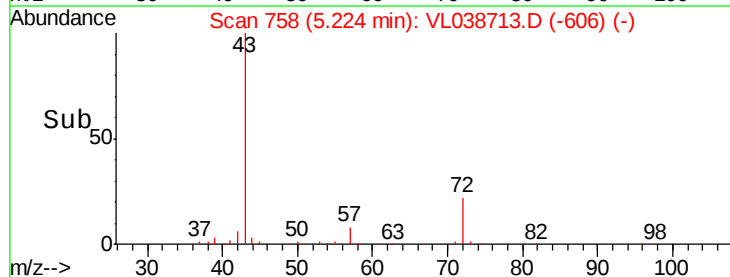
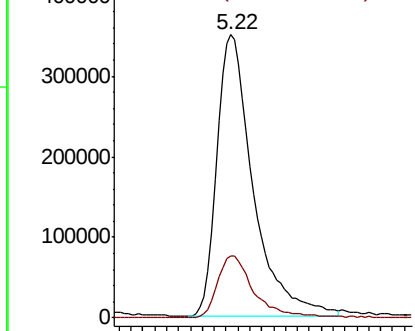


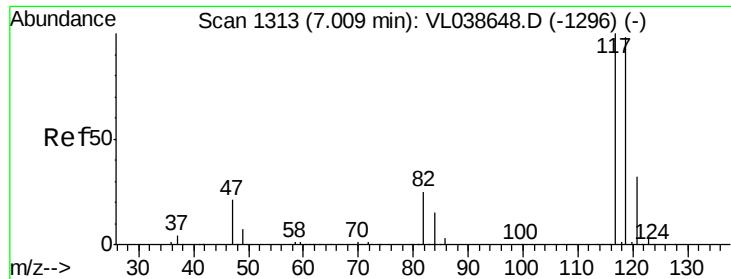
#34
 2-Butanone
 Concen: 9.655 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

Tgt Ion: 43 Resp: 737752
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.8 26.8



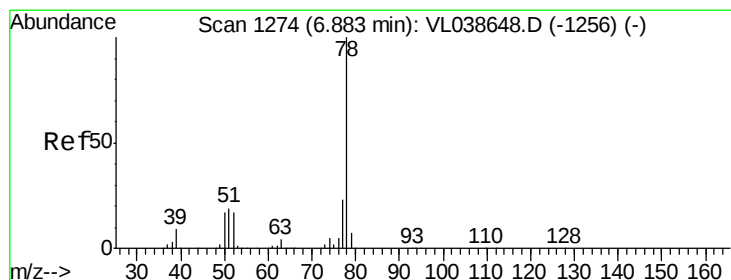
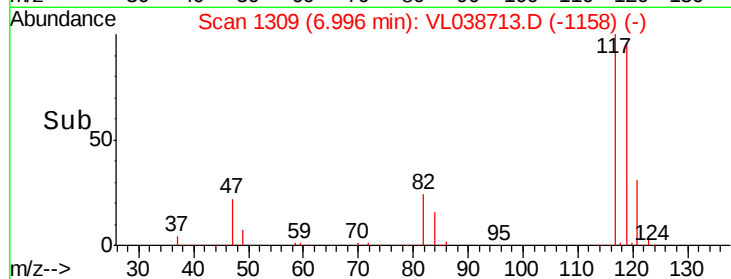
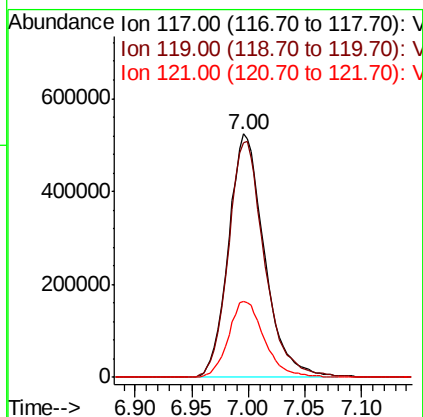
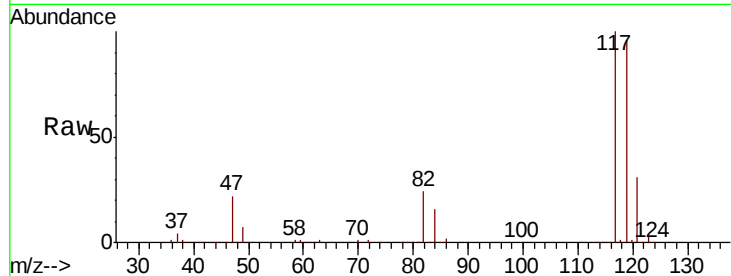
Abundance Ion 43.10 (42.80 to 43.80): VL0
 400000
 Ion 72.10 (71.80 to 72.80): VL0





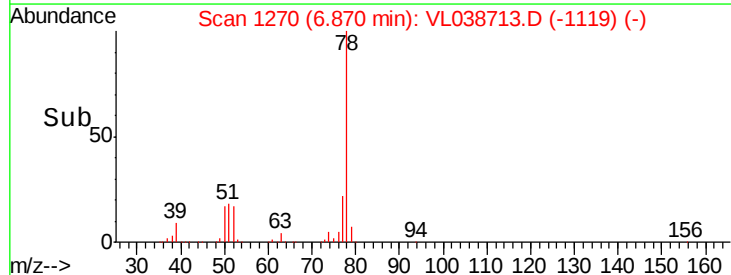
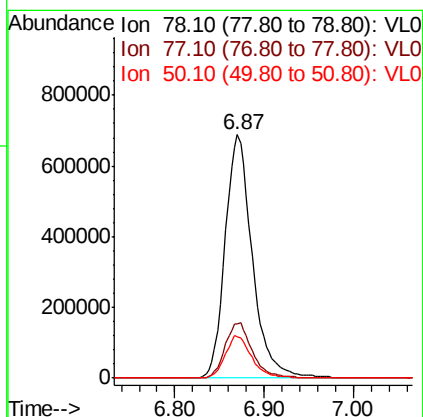
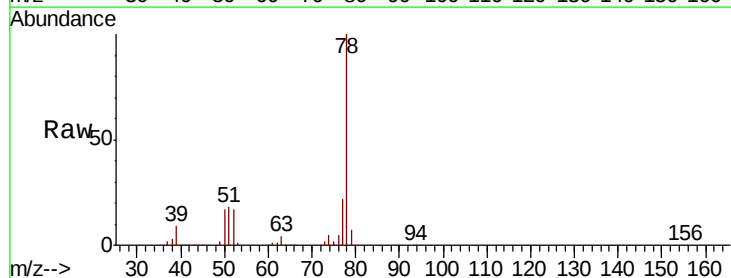
#35
Carbon Tetrachloride
Concen: 10.348 ppbv
RT: 7.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

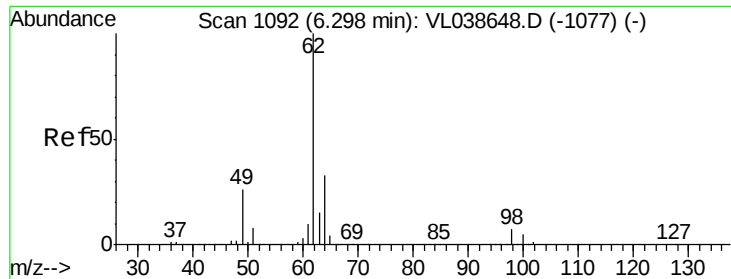
Tot Ion:117 Resp: 1159248
Ion Ratio Lower Upper
117 100
119 96.3 78.1 117.1
121 31.3 25.8 38.6



#36
Benzene
Concen: 9.755 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

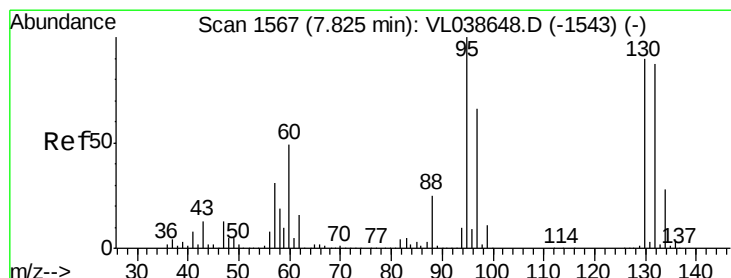
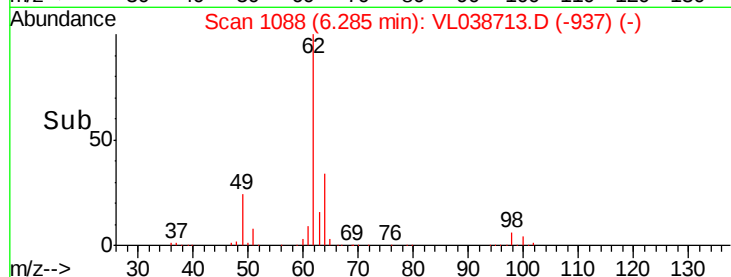
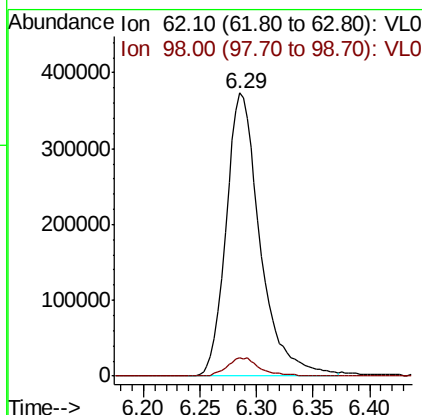
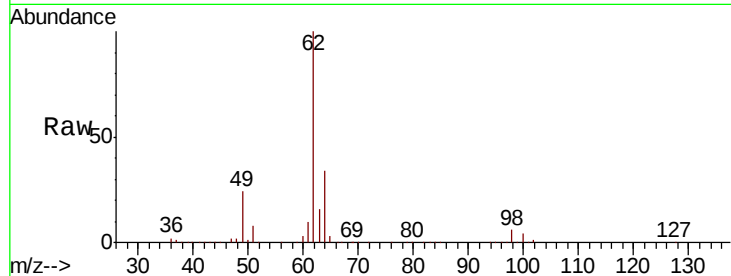
Tgt Ion: 78 Resp: 1453579
Ion Ratio Lower Upper
78 100
77 22.4 18.1 27.1
50 17.0 13.6 20.4





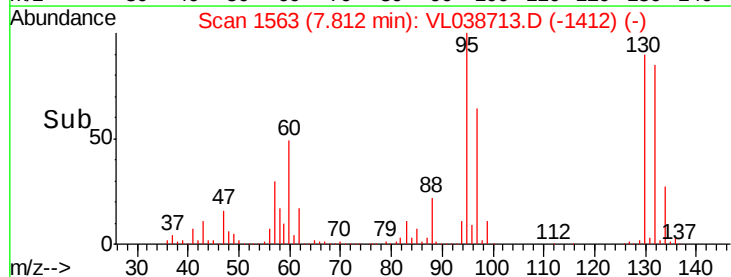
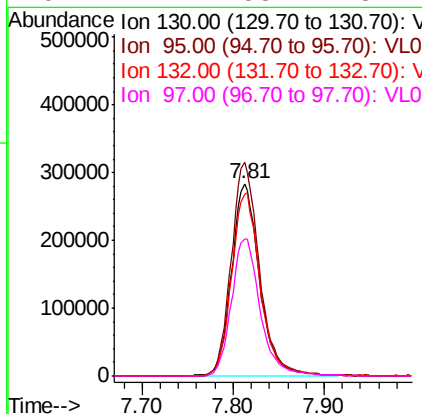
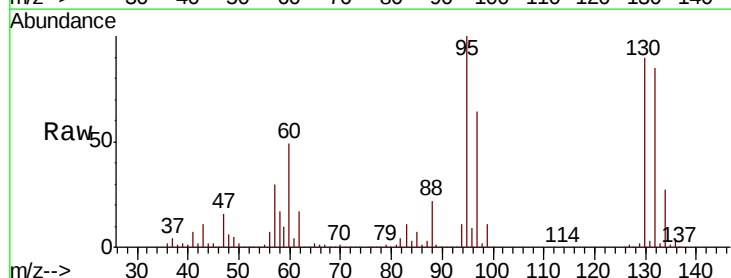
#37
 1,2-Dichloroethane
 Concen: 10.330 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

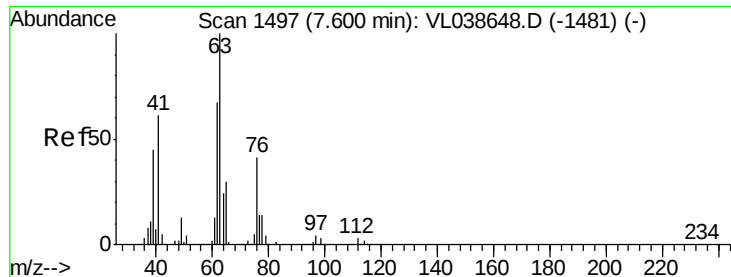
Tot Ion: 62 Resp: 782946
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.6 8.4



#38
 Trichloroethene
 Concen: 9.715 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

Tgt Ion:130 Resp: 606405
 Ion Ratio Lower Upper
 130 100
 95 111.4 88.9 133.3
 132 94.8 77.4 116.0
 97 71.2 58.2 87.4





#39

1,2-Dichloropropane

Concen: 9.468 ppbv

RT: 7.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 11:10 VSTDCCC010EC

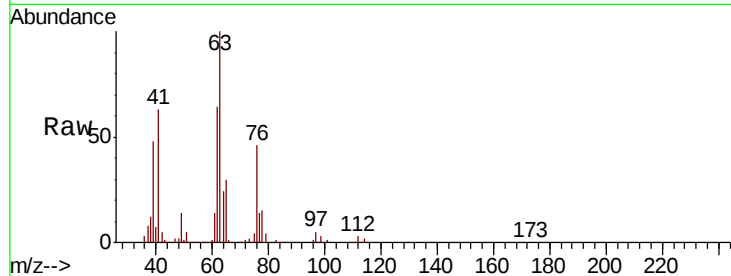
Tot Ion: 63 Resp: 551547

Ion Ratio Lower Upper

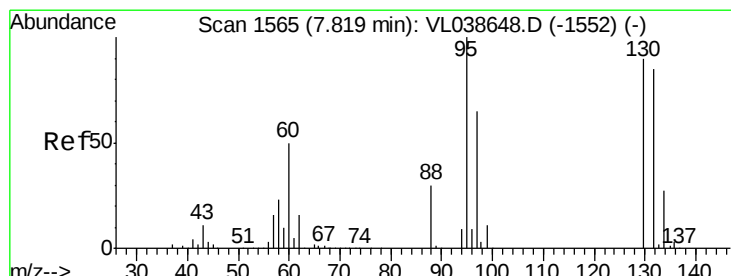
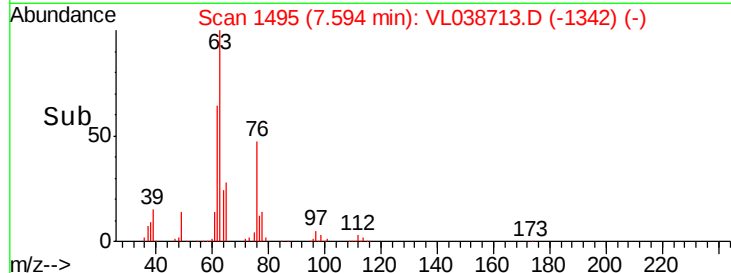
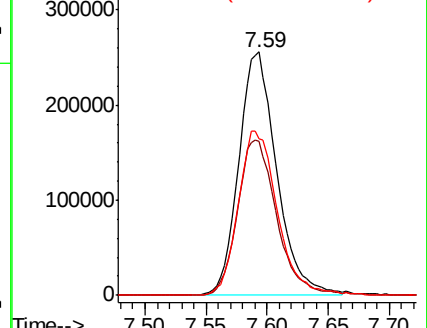
63 100

41 63.0 49.0 73.6

62 64.0 53.9 80.9



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.663 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

Tgt Ion: 88 Resp: 175238

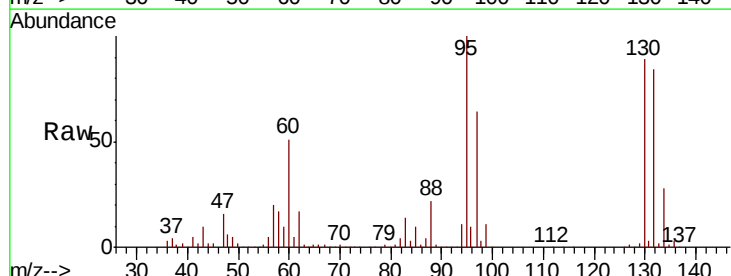
Ion Ratio Lower Upper

88 100

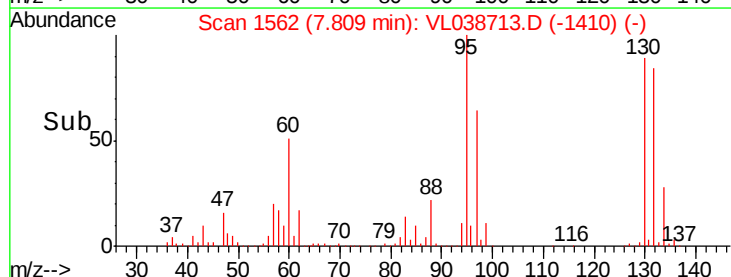
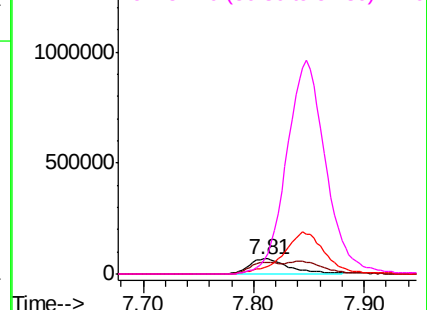
58 138.9 105.6 158.4

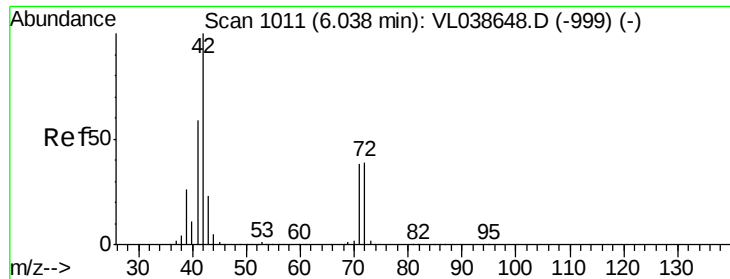
43 284.4 201.9 302.9

57 1365.5 942.1 1413.1



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.669 ppbv

RT: 6.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 23 Mar 2022 11:10 VSTDCCC010EC

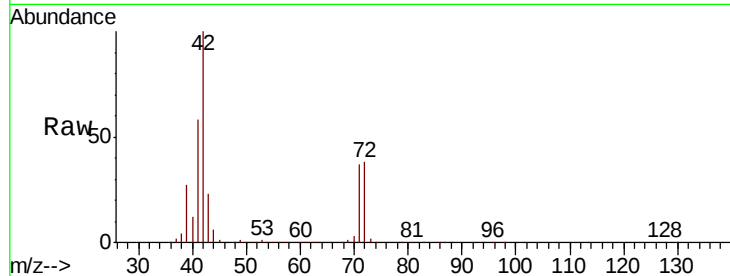
Tot Ion: 42 Resp: 549916

Ion Ratio Lower Upper

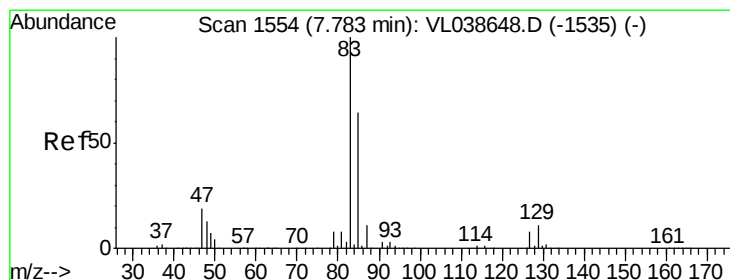
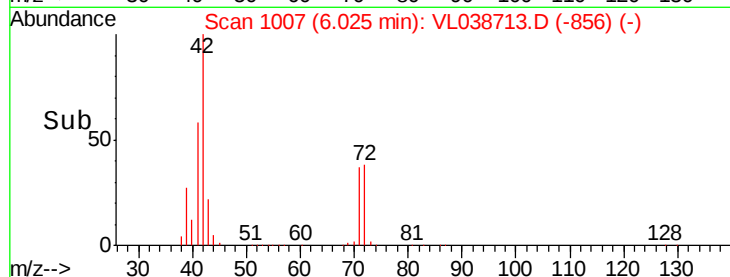
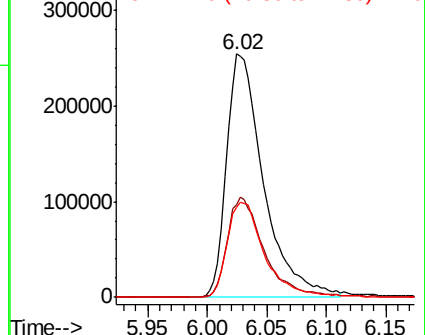
42 100

72 41.4 32.5 48.7

71 39.8 31.4 47.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.548 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.02 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

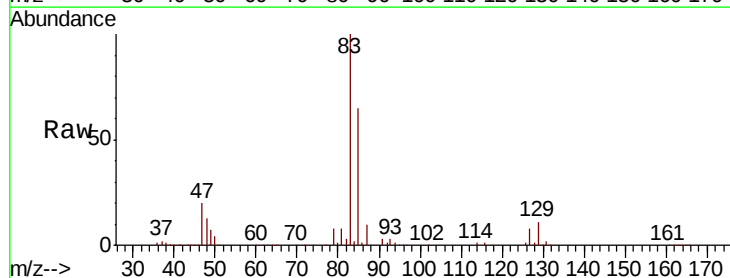
Tgt Ion: 83 Resp: 1198667

Ion Ratio Lower Upper

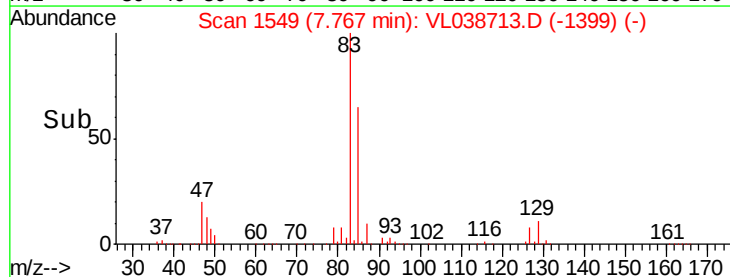
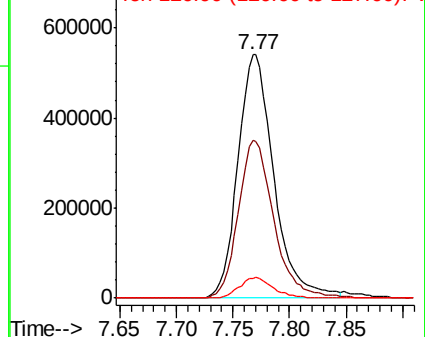
83 100

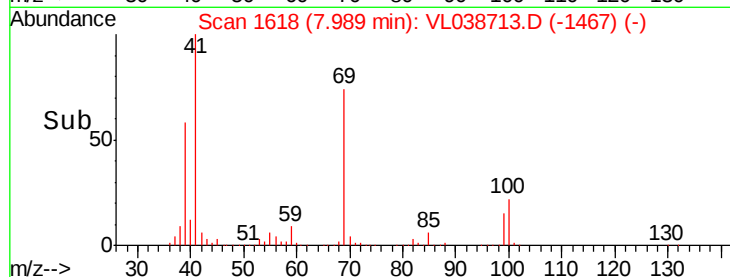
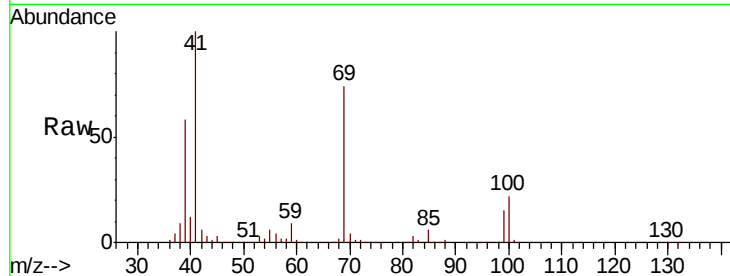
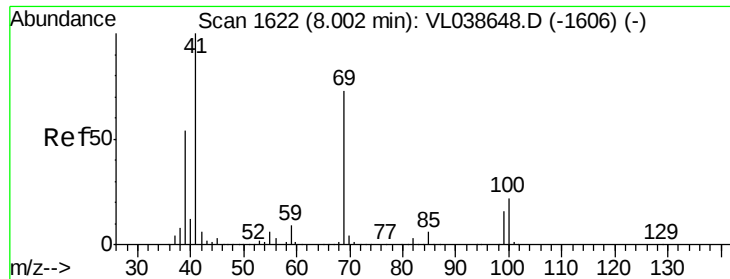
85 65.1 51.1 76.7

127 7.9 6.5 9.7



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





#43

Methyl Methacrylate

Concen: 11.125 ppbv

RT: 7.99

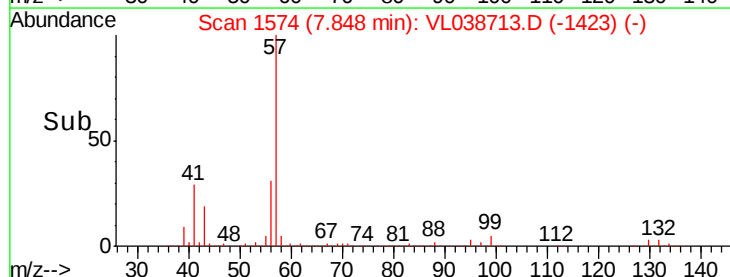
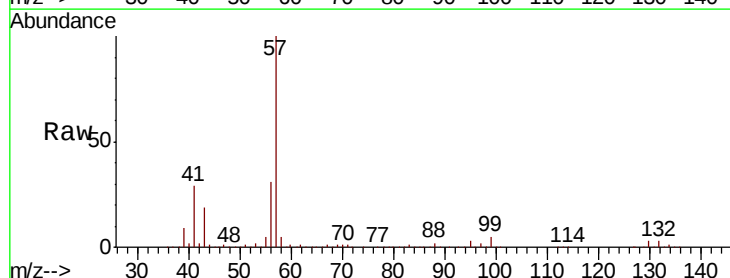
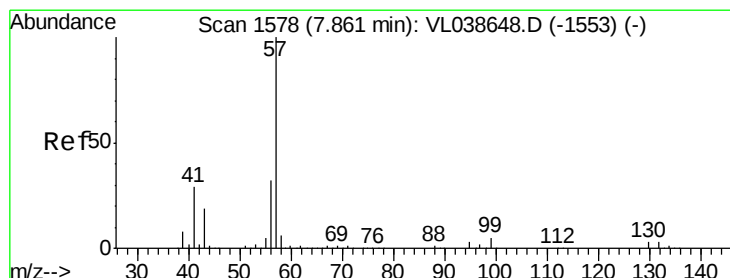
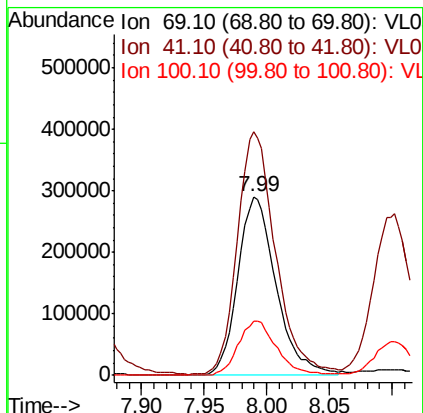
Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 23 Mar 2022 11:10

Tot Ion	69	Resp	615453
Ion Ratio	Lower	Upper	
69	100		
41	136.9	110.3	165.5
100	30.7	24.8	37.2



#44

2,2,4-Trimethylpentane

Concen: 9.557 ppbv

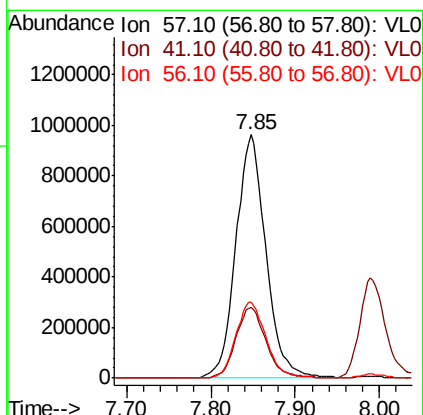
RT: 7.85 min Scan# 1574

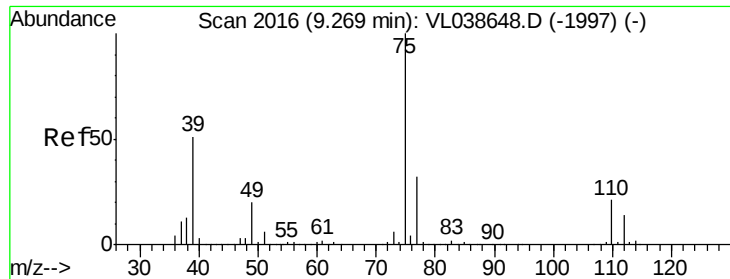
Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

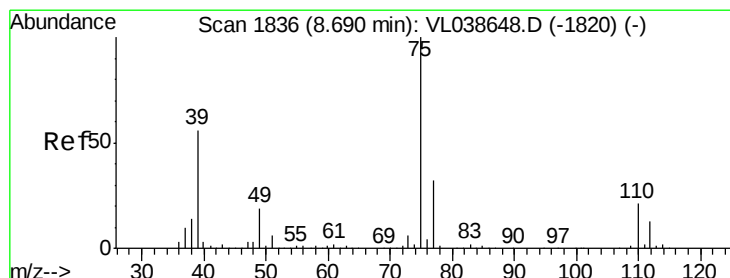
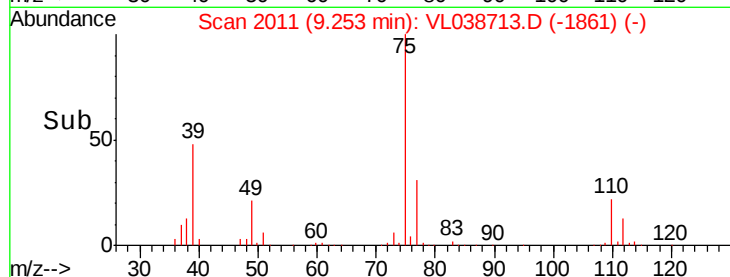
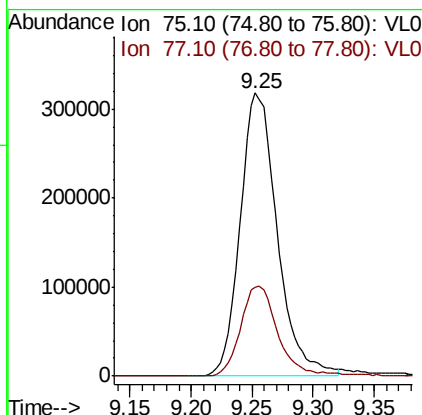
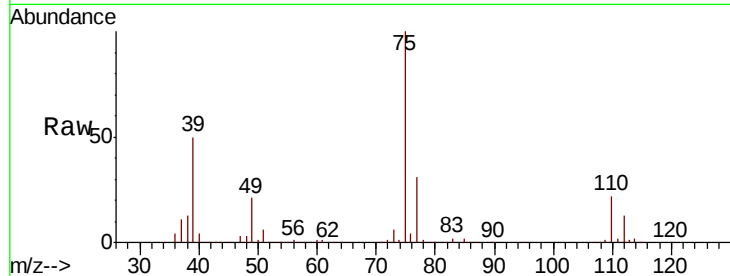
Tgt Ion	57	Resp	2390866
Ion Ratio	Lower	Upper	
57	100		
41	29.2	23.0	34.4
56	31.4	25.3	37.9





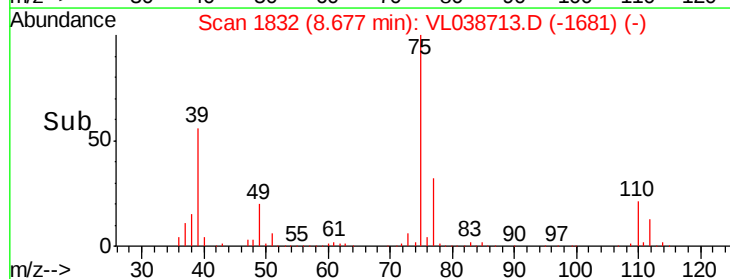
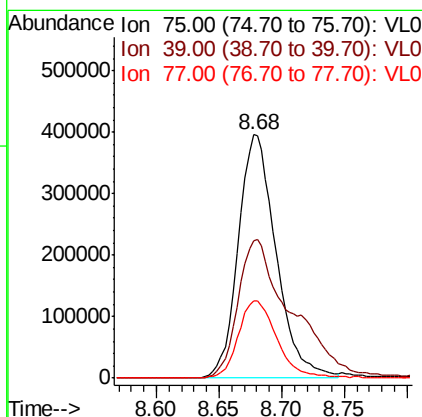
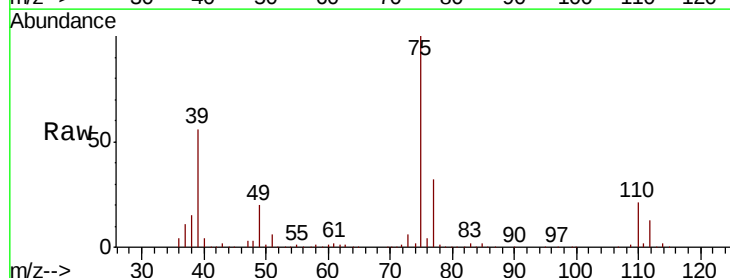
#45
 t-1,3-Dichloropropene
 Concen: 11.855 ppbv
 RT: 9.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

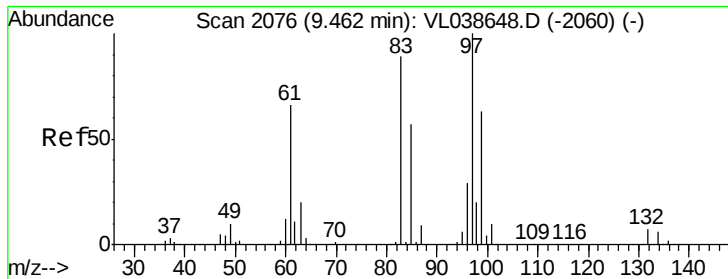
Tot Ion: 75 Resp: 666812
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 10.945 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

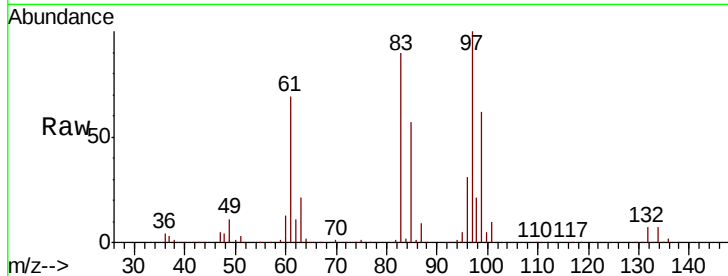
Tgt Ion: 75 Resp: 832415
 Ion Ratio Lower Upper
 75 100
 39 56.4 44.8 67.2
 77 31.6 25.4 38.0





#47
 1,1,2-Trichloroethane
 Concen: 9.812 ppbv
 RT: 9.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

Tot Ion:	97	Resp:	610194
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.2	106.8
85	56.5	45.3	67.9
99	62.0	50.6	76.0



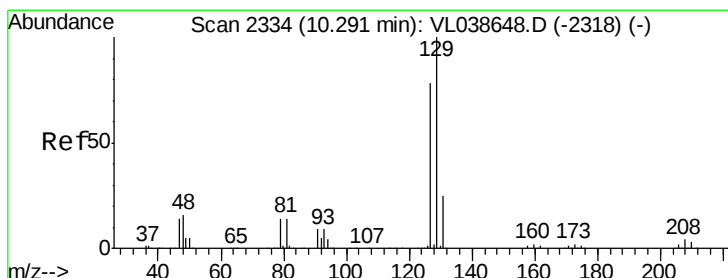
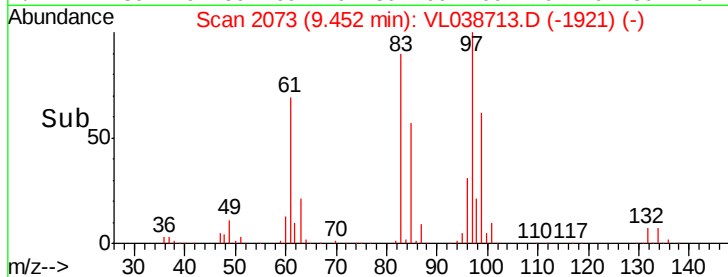
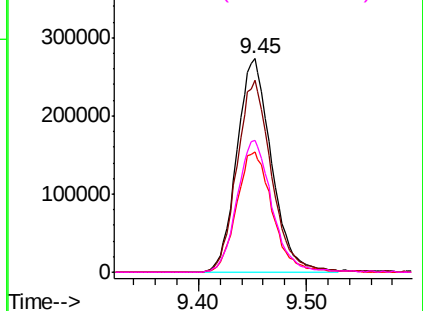
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

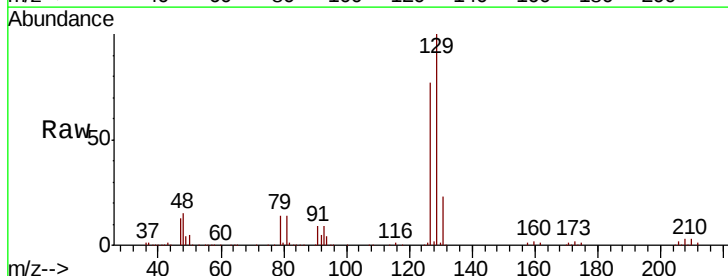
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.940 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

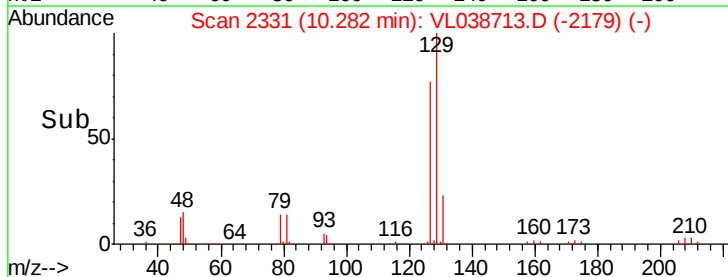
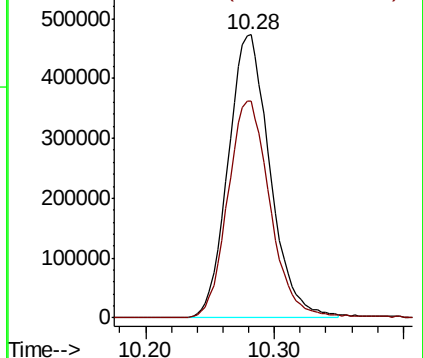
Tgt Ion:	129	Resp:	1065690
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.5	118.5

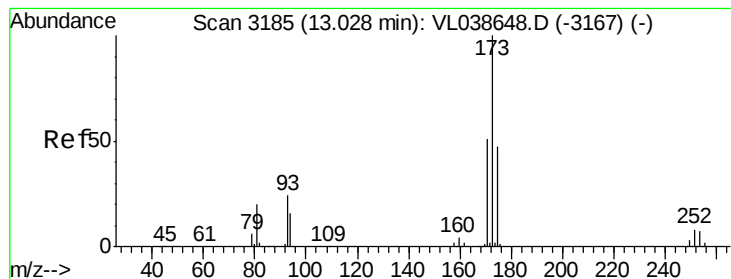


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.163 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 11:10

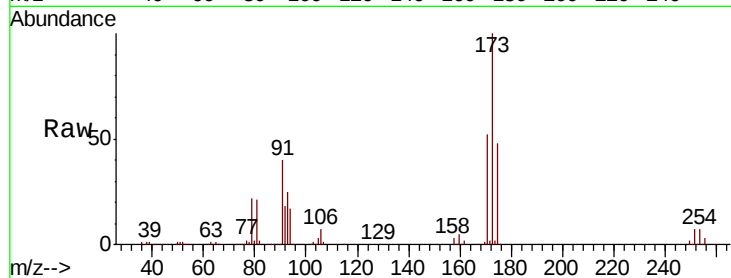
Tot Ion:173 Resp: 886352

Ion Ratio Lower Upper

173 100

175 50.6 41.0 61.6

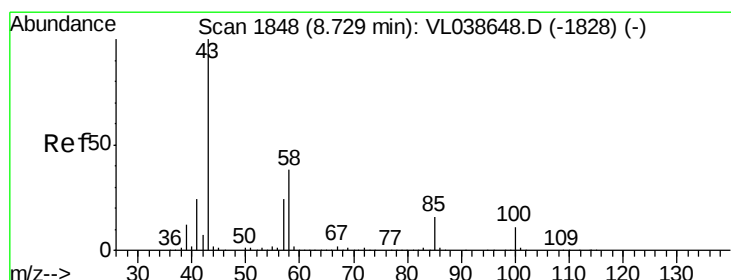
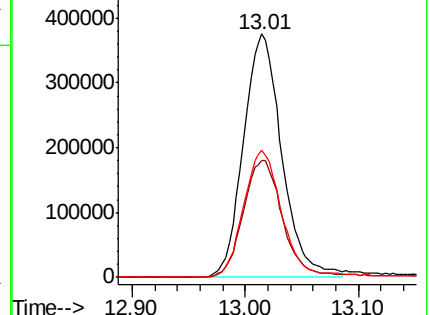
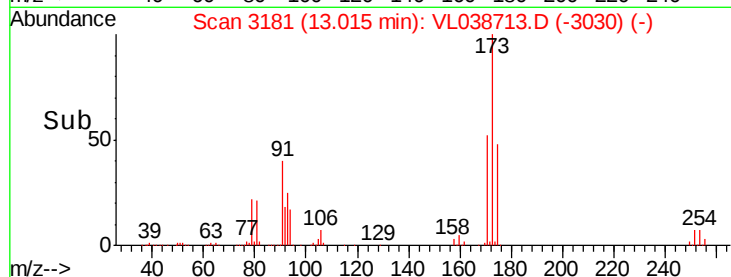
171 54.1 43.1 64.7



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: 10.045 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL038713.D

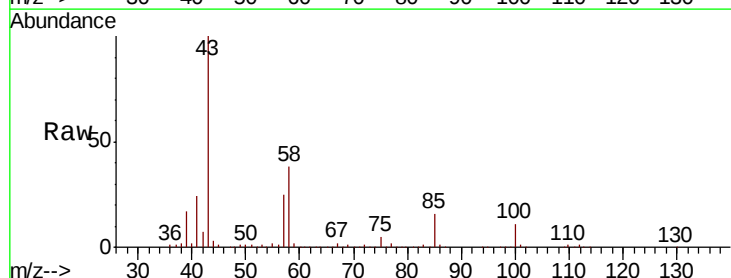
Acq: 23 Mar 2022 11:10

Tgt Ion: 43 Resp: 1427079

Ion Ratio Lower Upper

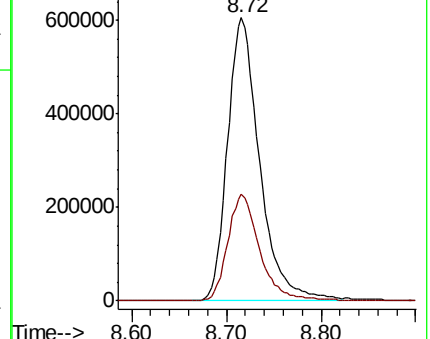
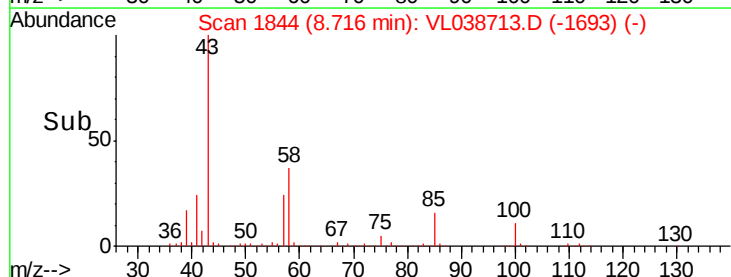
43 100

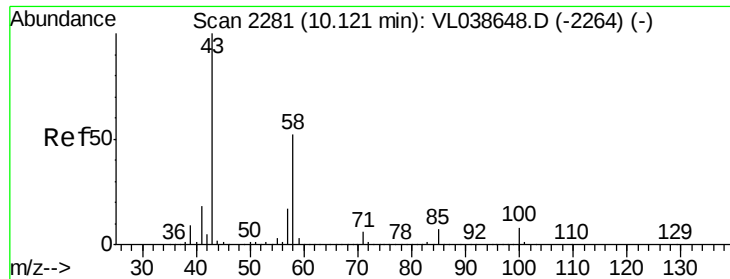
58 37.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

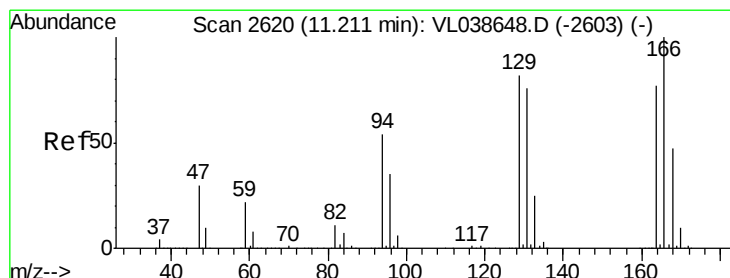
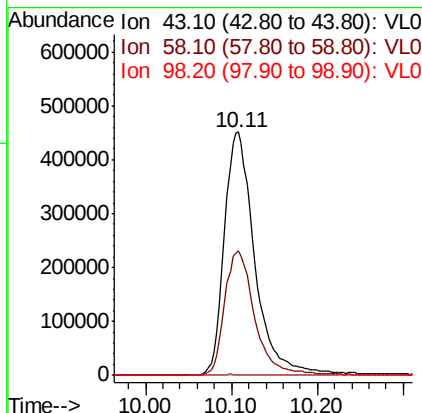
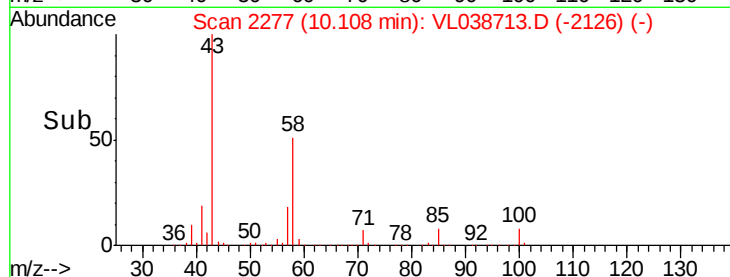
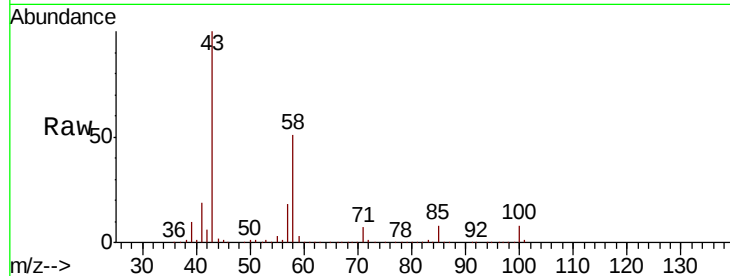
Ion 58.10 (57.80 to 58.80): VL0





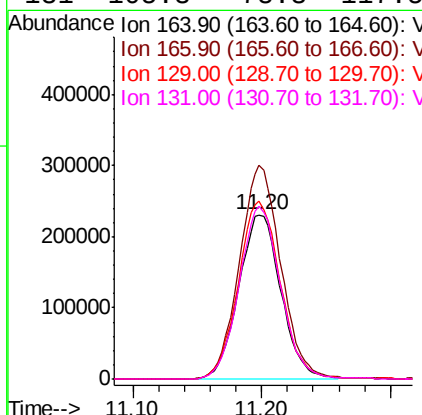
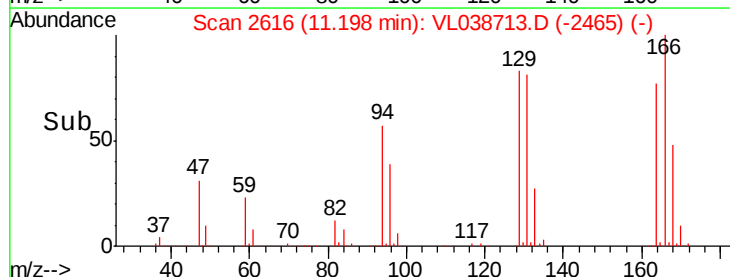
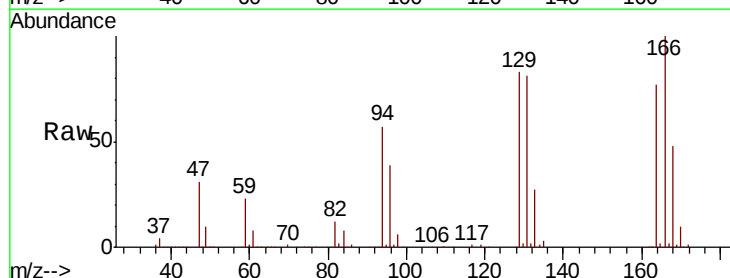
#51
2-Hexanone
Concen: 10.870 ppbv
RT: 10.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 11:10

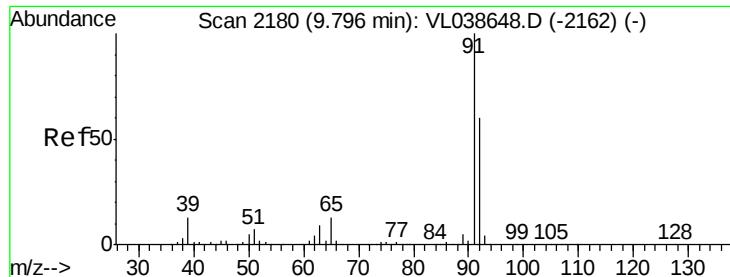
Tot Ion: 43 Resp: 1109180
Ion Ratio Lower Upper
43 100
58 50.9 41.2 61.8
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.623 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion:164 Resp: 524744
Ion Ratio Lower Upper
164 100
166 129.8 103.3 154.9
129 108.3 85.2 127.8
131 105.3 78.3 117.5





#53

Toluene

Concen: 10.435 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

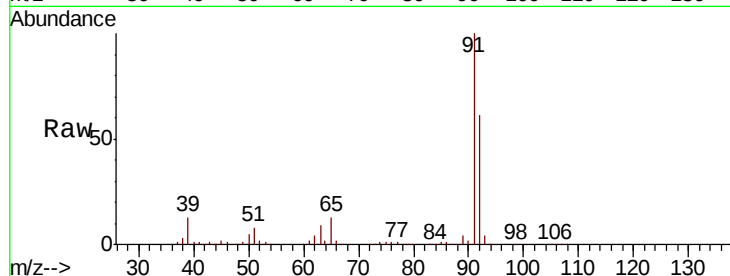
Acq: 23 Mar 2022 11:10 VSTDCCC010EC

Tot Ion: 91 Resp: 1670698

Ion Ratio Lower Upper

91 100

92 60.0 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

800000

600000

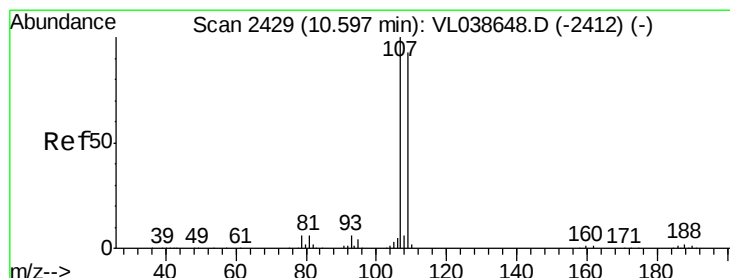
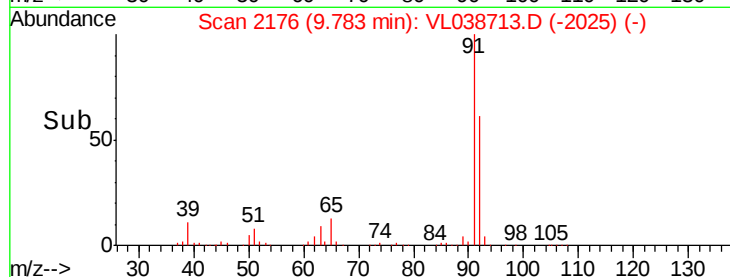
400000

200000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 10.754 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL038713.D

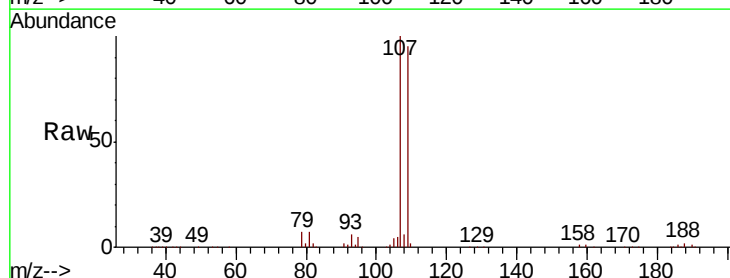
Acq: 23 Mar 2022 11:10

Tgt Ion: 107 Resp: 913230

Ion Ratio Lower Upper

107 100

109 95.0 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

400000

300000

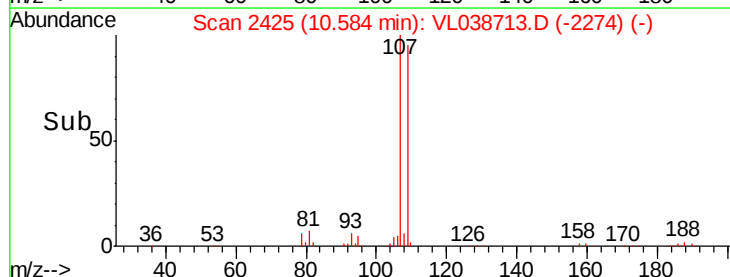
200000

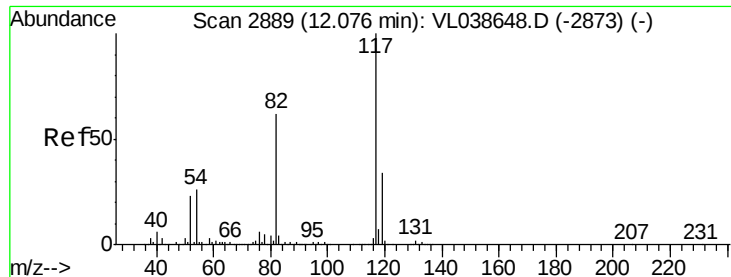
100000

0

10.50 10.60 10.70

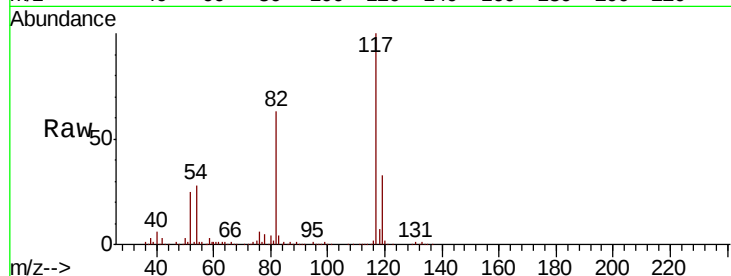
Time-->



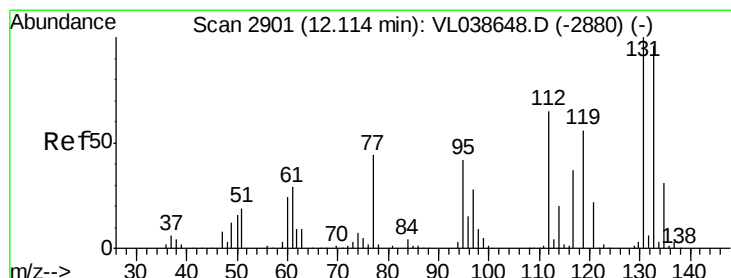
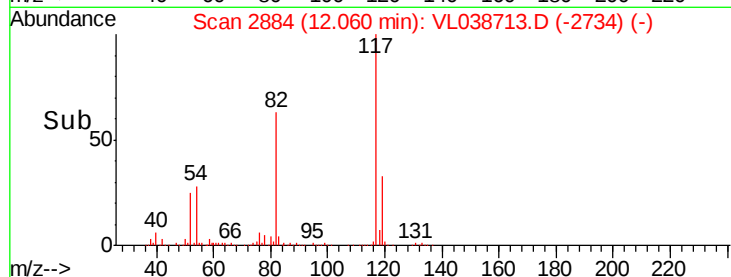
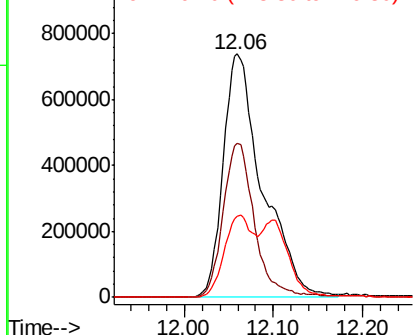


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

Tot Ion:117 Resp: 2253161
Ion Ratio Lower Upper
117 100
82 51.2 51.6 77.4#
119 26.9 26.9 40.3

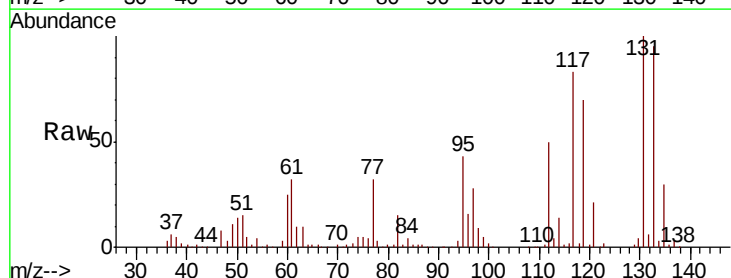


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

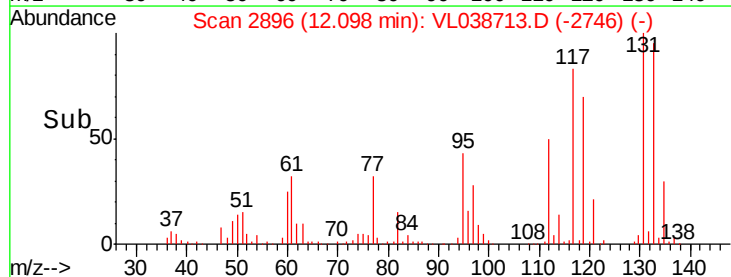
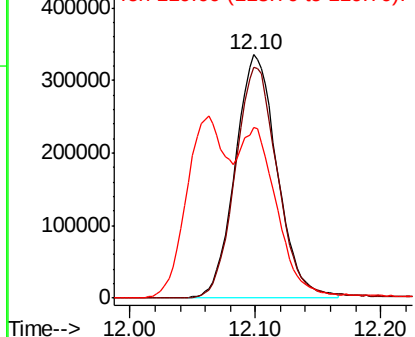


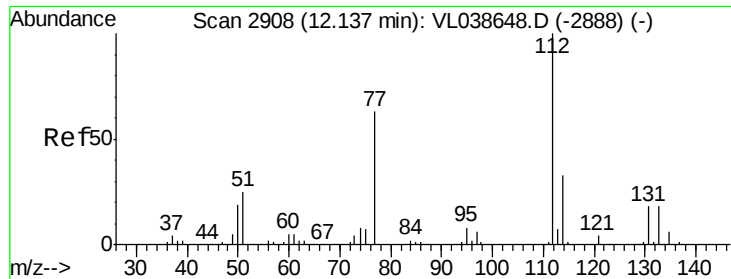
#56
1,1,1,2-Tetrachloroethane
Concen: 8.371 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion:131 Resp: 781940
Ion Ratio Lower Upper
131 100
133 97.0 77.3 115.9
119 65.9 53.0 79.6



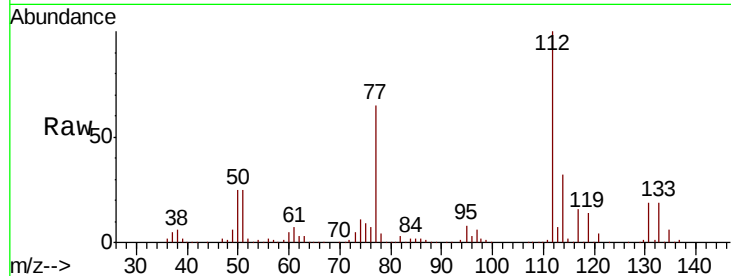
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



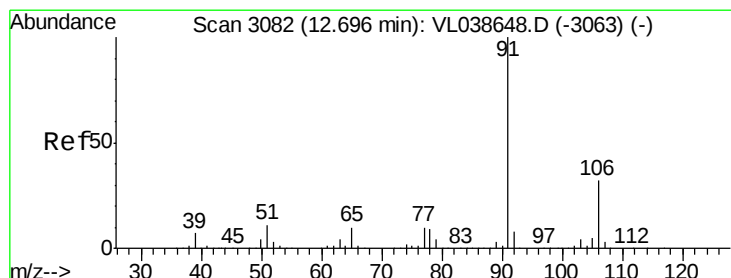
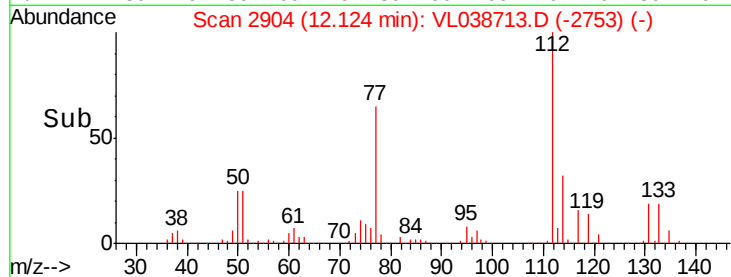
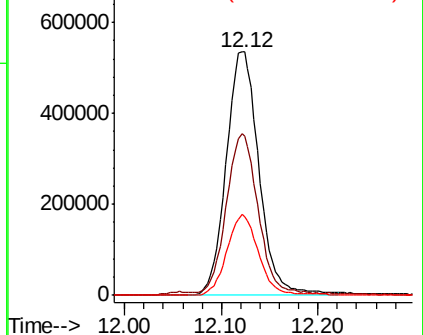


#57
Chlorobenzene
Concen: 7.758 ppbv
RT: 12.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

Tot Ion: 112 Resp: 1260757
Ion Ratio Lower Upper
112 100
77 64.7 51.0 76.6
114 32.3 29.8 36.4

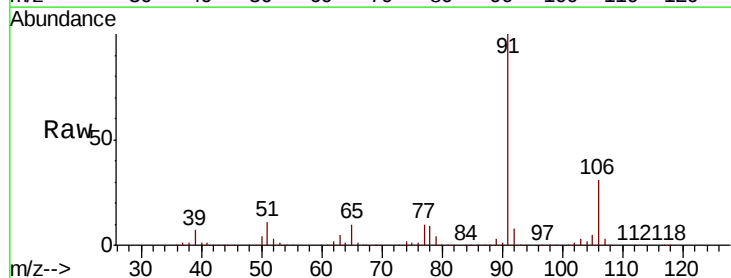


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

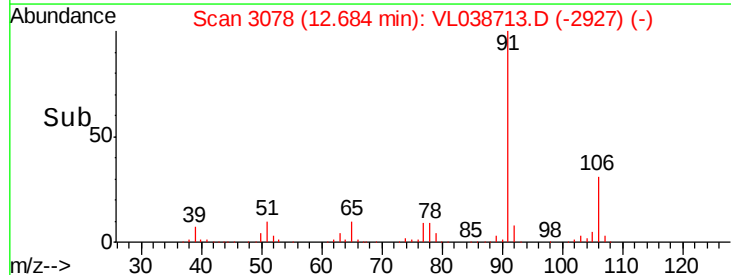
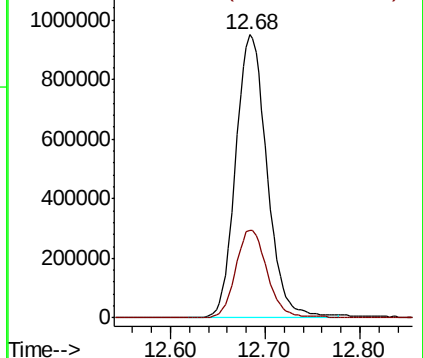


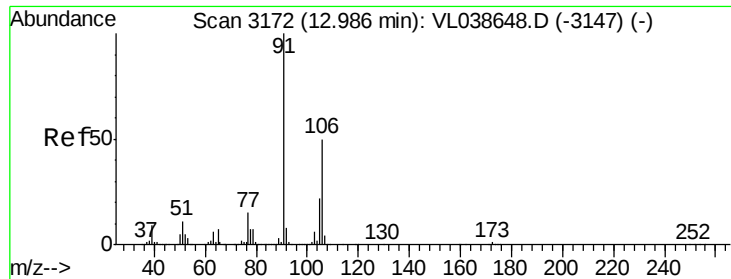
#58
Ethyl Benzene
Concen: 8.322 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion: 91 Resp: 2192101
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0



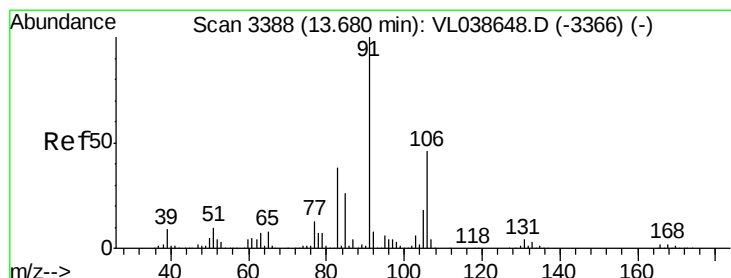
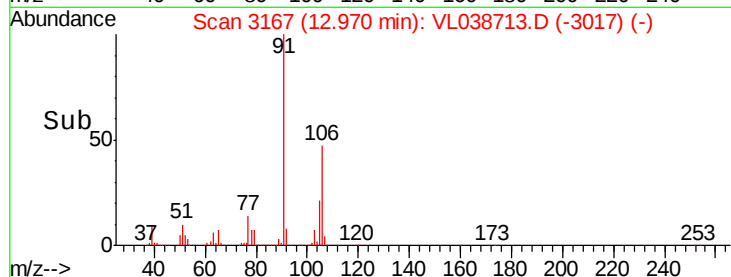
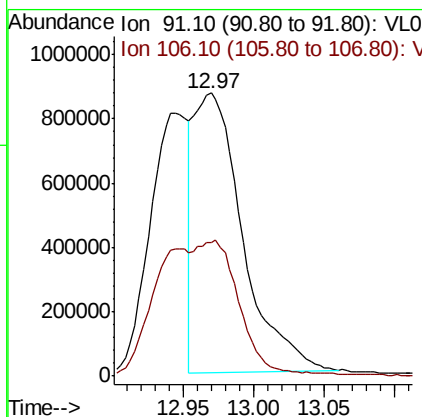
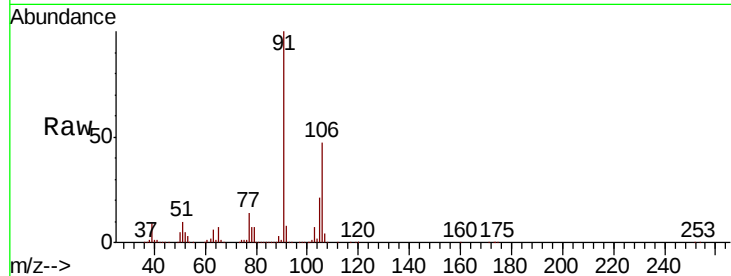
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





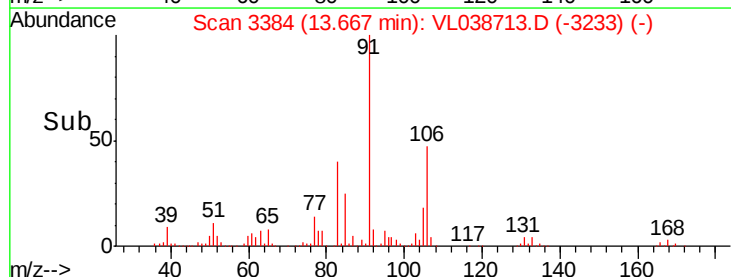
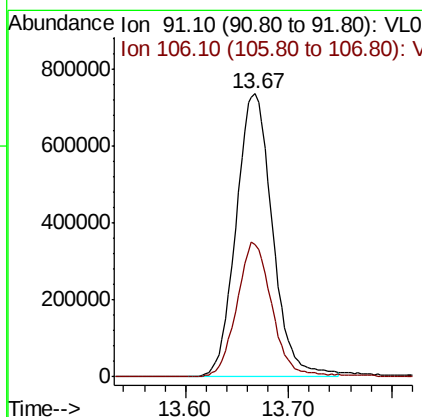
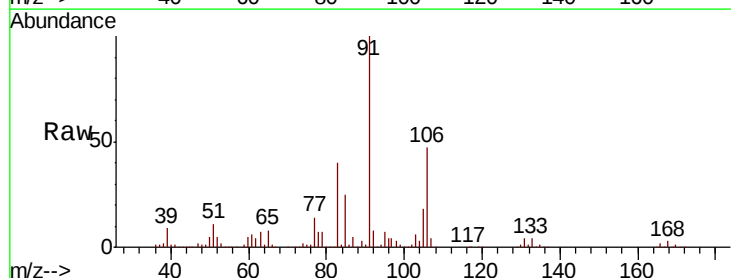
#59
m/p-Xylene
Concen: 9.054 ppbv
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

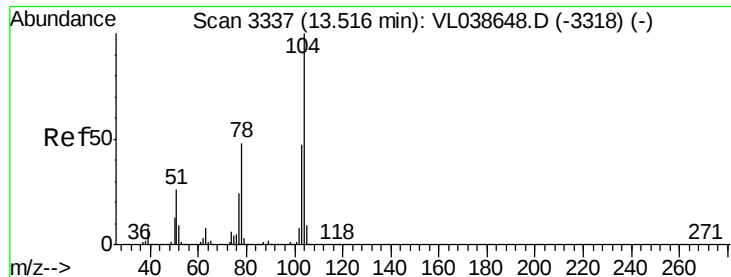
Tot Ion: 91 Resp: 2086273
Ion Ratio Lower Upper
91 100
106 82.3 37.2 55.8#



#60
o-Xylene
Concen: 8.268 ppbv
RT: 13.67 min Scan# 3384
Delta R.T.: -0.01 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

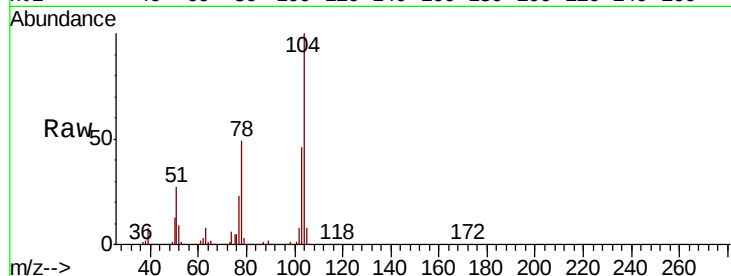
Tgt Ion: 91 Resp: 1808699
Ion Ratio Lower Upper
91 100
106 46.6 23.5 70.5



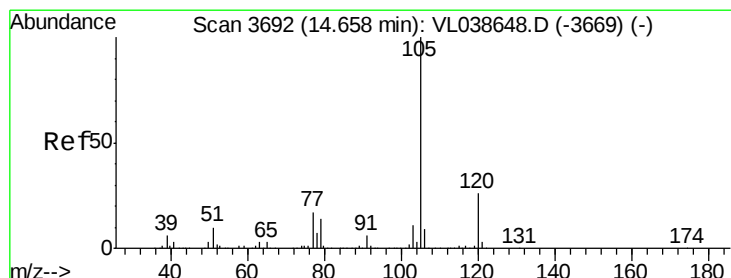
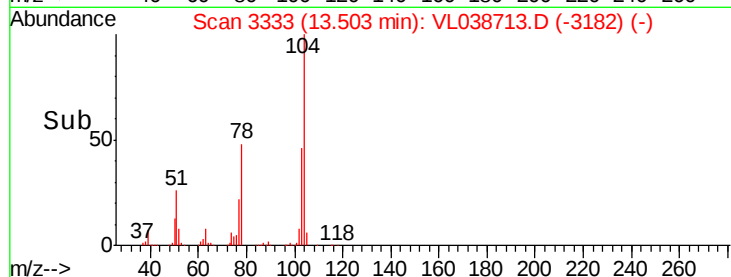
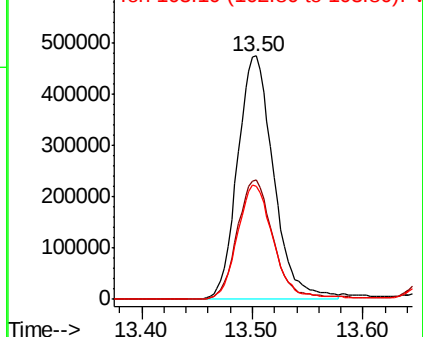


#61
Stvrene
Concen: 9.098 ppbv
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 11:10

Tot Ion:104 Resp: 1079371
Ion Ratio Lower Upper
104 100
78 49.7 39.0 58.4
103 47.5 37.8 56.8

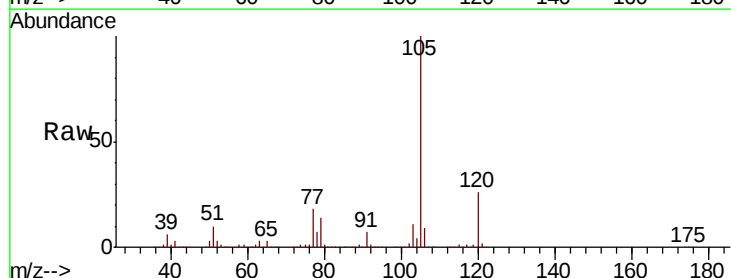


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

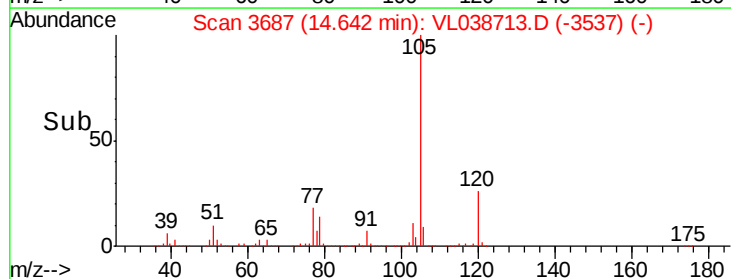
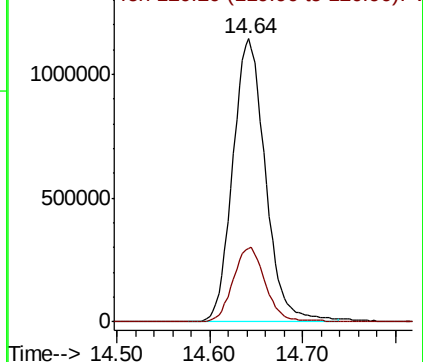


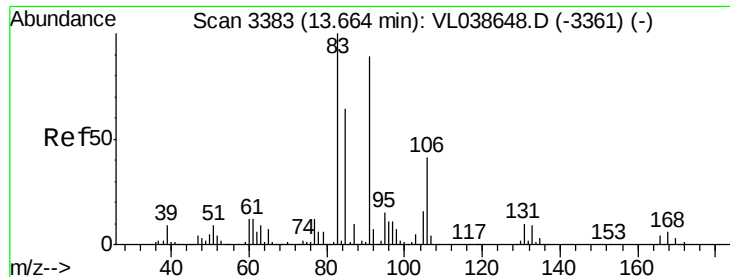
#62
Isopropylbenzene
Concen: 8.502 ppbv
RT: 14.64 min Scan# 3687
Delta R.T. -0.02 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion:105 Resp: 2796147
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8



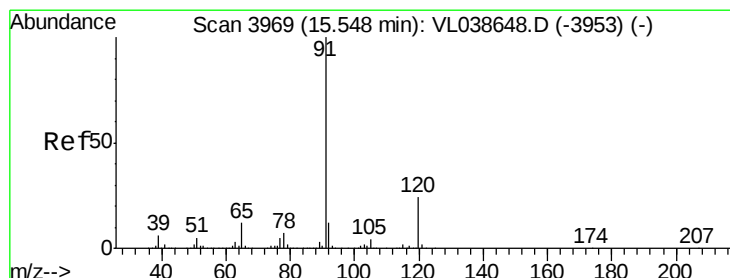
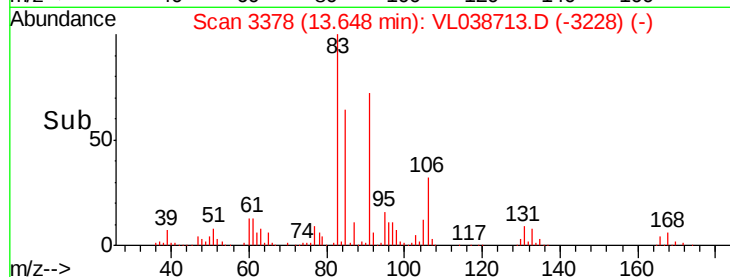
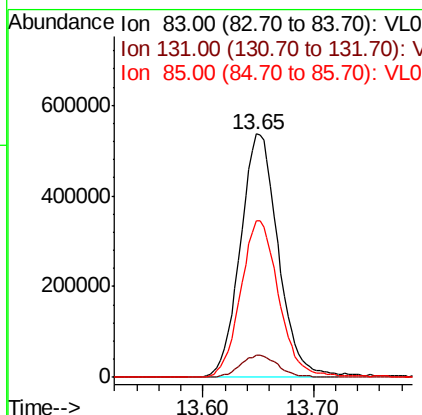
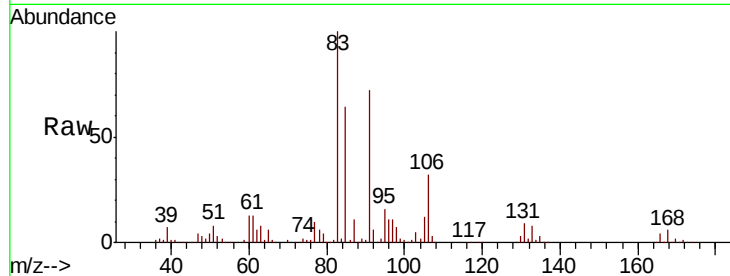
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





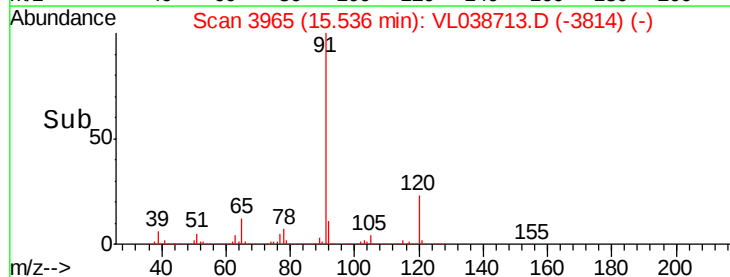
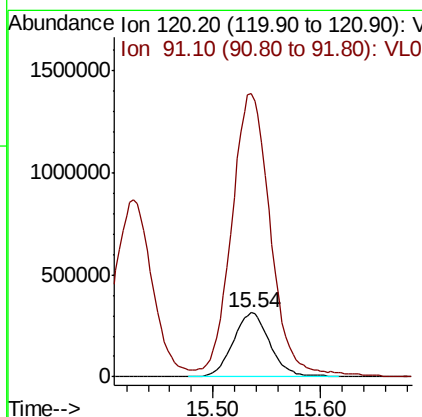
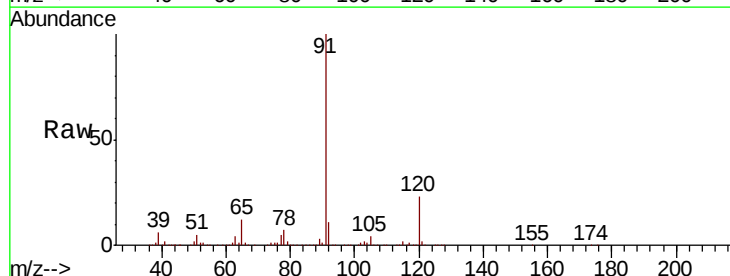
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.538 ppbv
 RT: 13.65
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

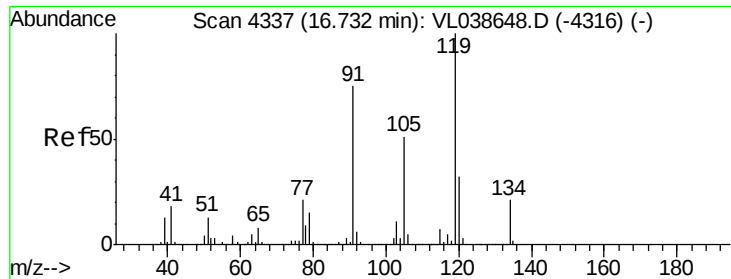
Tot Ion: 83 Resp: 1277347
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.8 14.3
 85 65.7 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.693 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

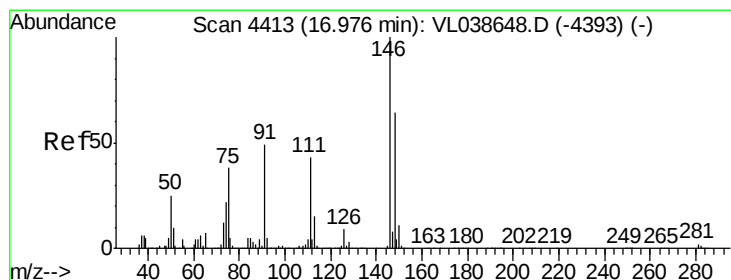
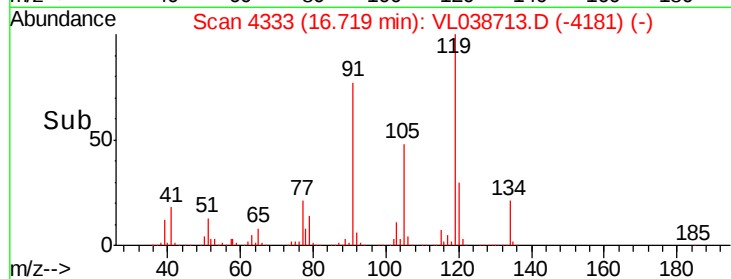
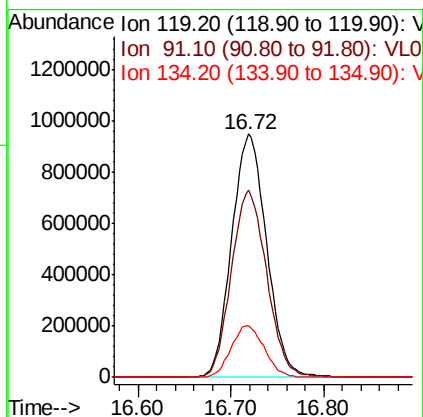
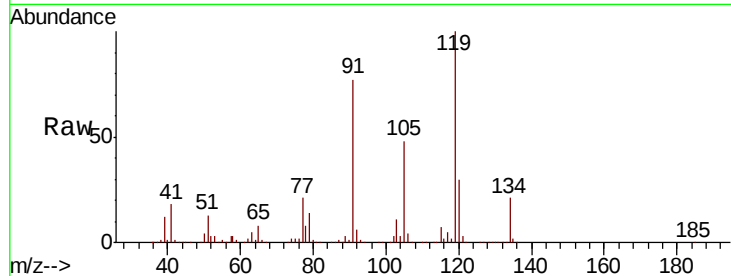
Tgt Ion:120 Resp: 750193
 Ion Ratio Lower Upper
 120 100
 91 467.0 368.0 552.0





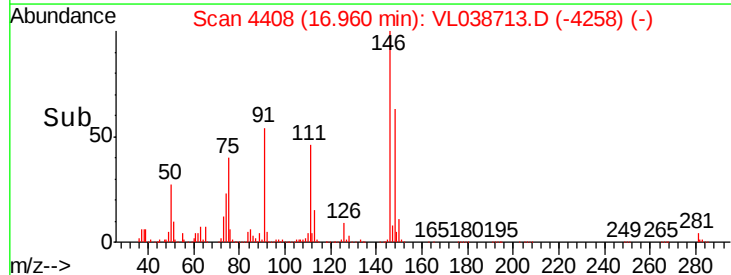
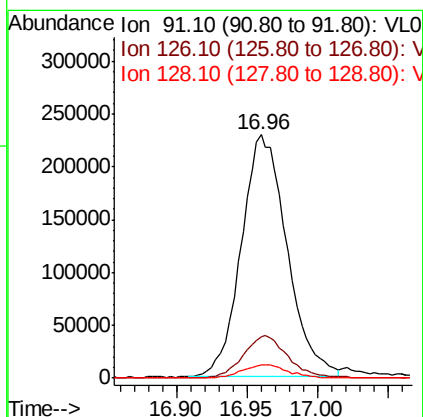
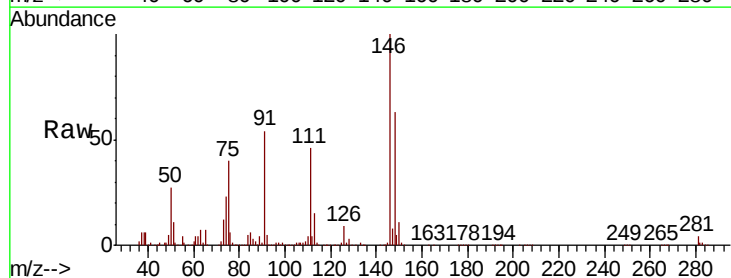
#65
tert-Butylbenzene
Concen: 8.391 ppbv
RT: 16.72 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Mar 2022 11:10

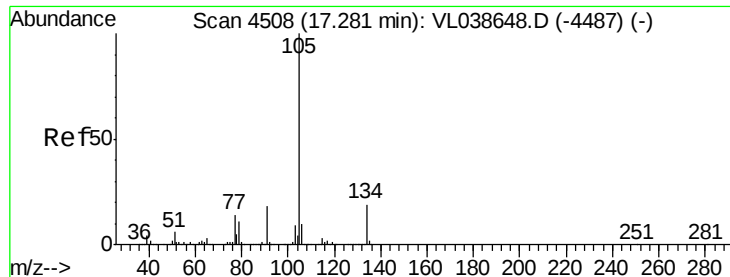
Tot Ion: 119 Resp: 2479750
Ion Ratio Lower Upper
119 100
91 78.3 61.2 91.8
134 20.5 16.3 24.5



#66
Benzyl Chloride
Concen: 9.289 ppbv
RT: 16.96 min Scan# 4408
Delta R.T.: -0.02 min
Lab File: VL038713.D
Acq: 23 Mar 2022 11:10

Tgt Ion: 91 Resp: 519813
Ion Ratio Lower Upper
91 100
126 17.5 14.3 21.5
128 5.5 4.6 6.8





#67

sec-Butylbenzene

Concen: 8.479 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

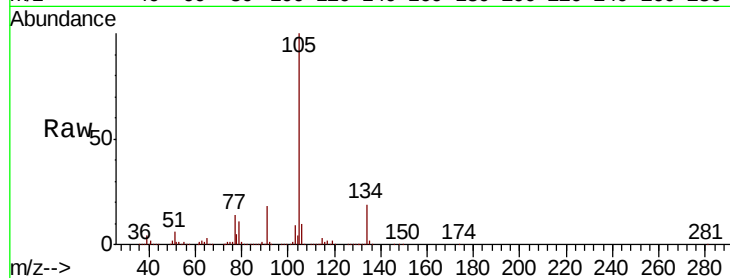
Acq: 23 Mar 2022 11:10

Tot Ion: 105 Resp: 3583766

Ion Ratio Lower Upper

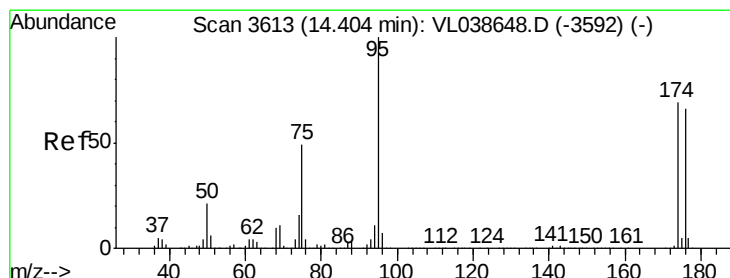
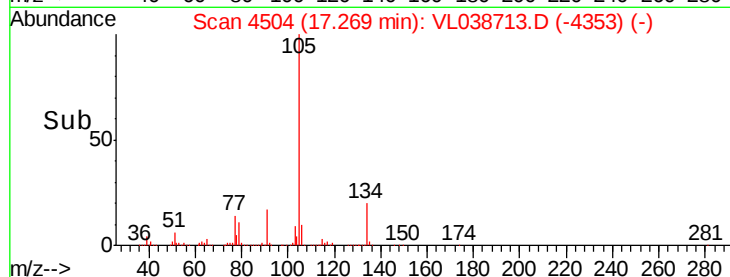
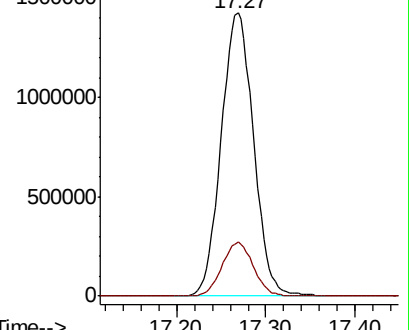
105 100

134 18.5 15.1 22.7



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: 8.285 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.02 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

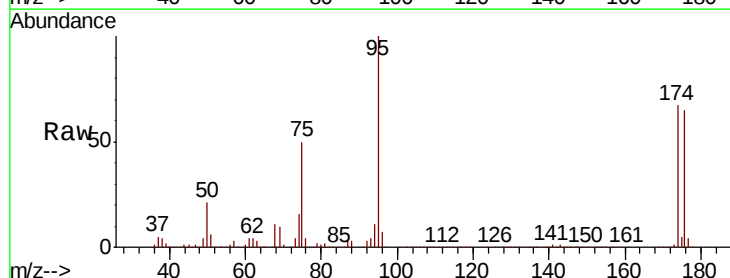
Tgt Ion: 95 Resp: 1431134

Ion Ratio Lower Upper

95 100

174 71.0 56.1 84.1

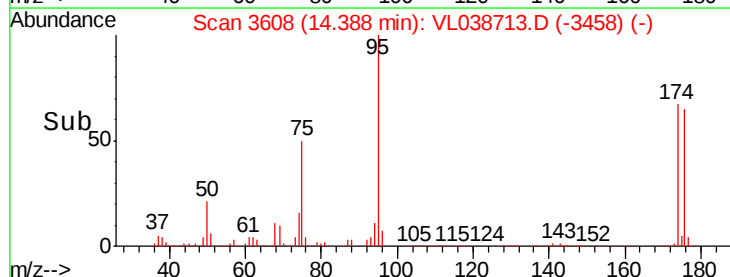
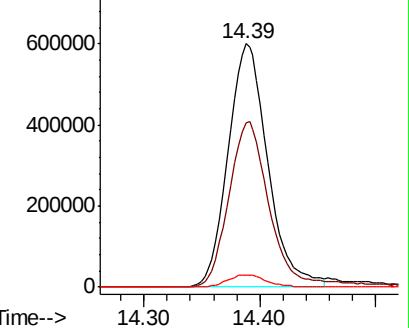
175 5.1 4.2 6.2

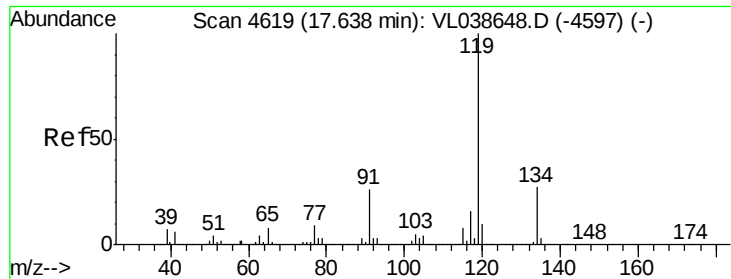


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

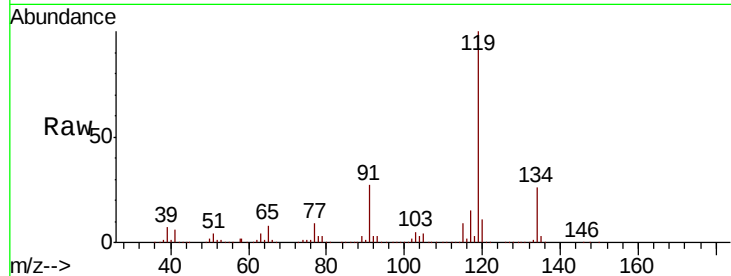
Ion 175.00 (174.70 to 175.70): V



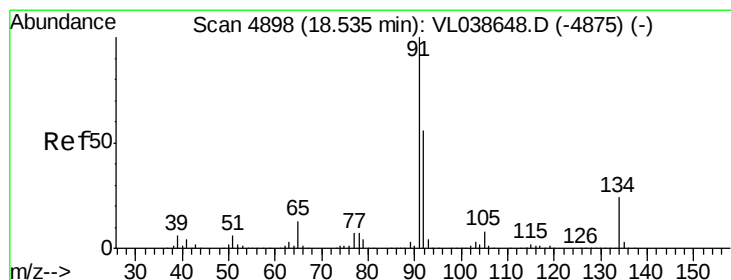
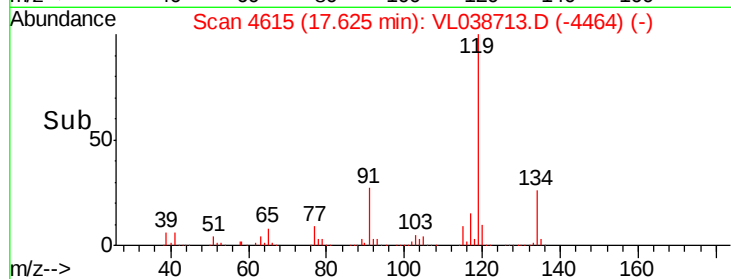
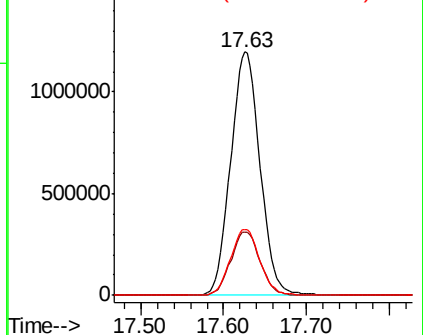


#69
 p-Isopropyltoluene
 Concen: 8.533 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

Tot Ion: 119 Resp: 2943415
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.2 31.8
 91 27.1 21.4 32.2

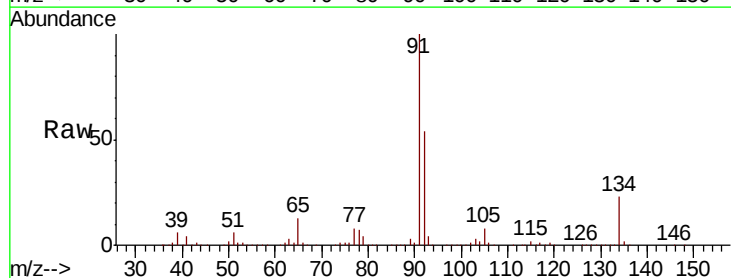


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

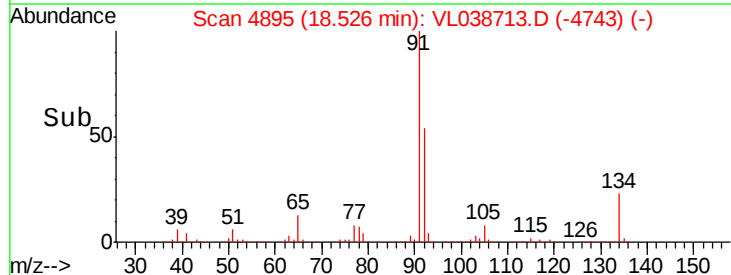
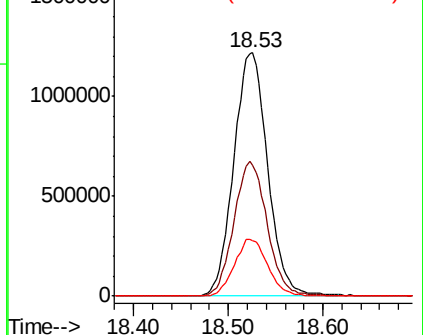


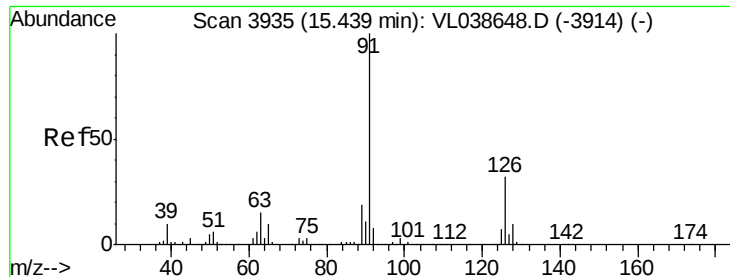
#70
 n-Butylbenzene
 Concen: 8.528 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

Tgt Ion: 91 Resp: 3034062
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.9 65.9
 134 23.1 18.7 28.1



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





#71

2-Chlorotoluene

Concen: 8.483 ppbv

RT: 15.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

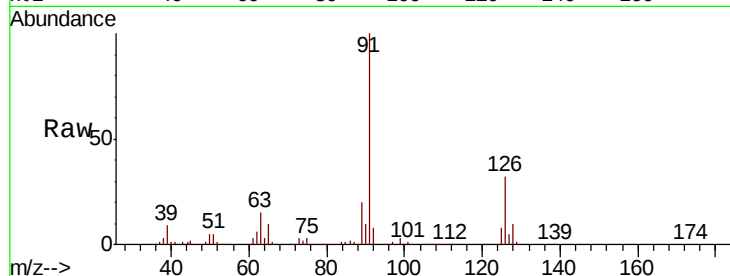
Acq: 23 Mar 2022 11:10

Tot Ion: 91 Resp: 2070953

Ion Ratio Lower Upper

91 100

126 33.1 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

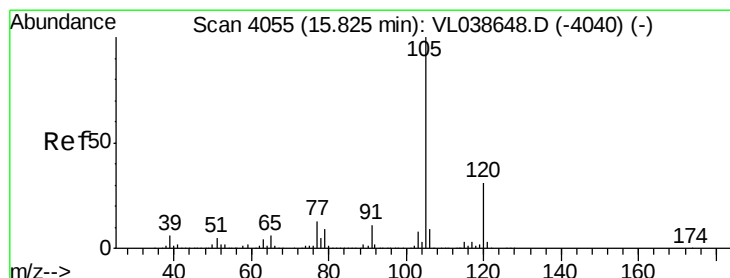
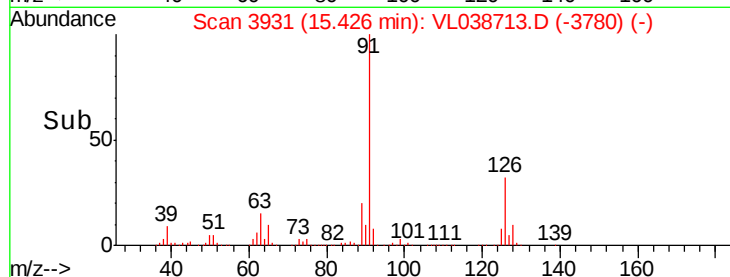
1500000

1000000

500000

0

Time--> 15.30 15.40 15.50



#72

4-Ethyltoluene

Concen: 8.571 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

Tgt Ion:105 Resp: 2213550

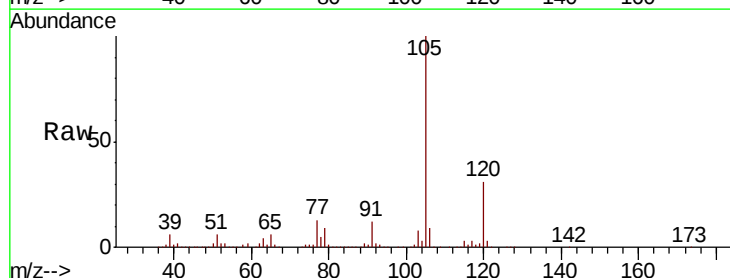
Ion Ratio Lower Upper

105 100

120 30.0 24.9 37.3

91 12.1 9.8 14.6

77 13.2 10.6 16.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

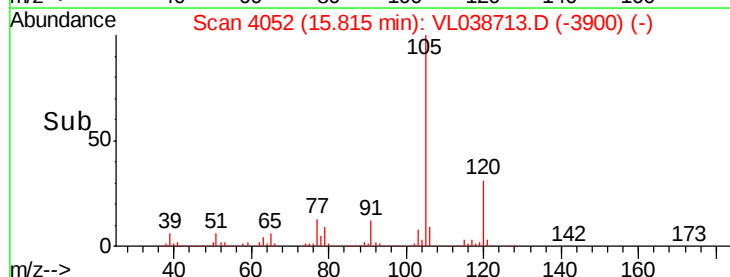
Ion 77.10 (76.80 to 77.80): VL0

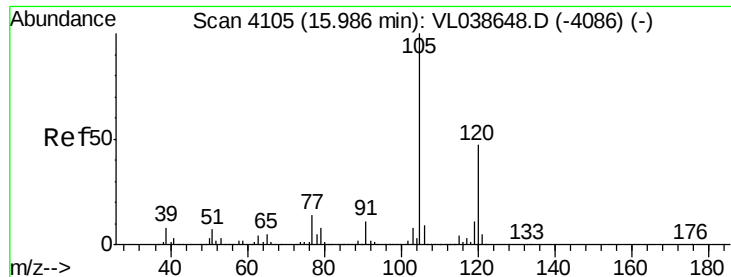
1000000

500000

0

Time--> 15.70 15.80 15.90





#73

1,3,5-Trimethylbenzene

Concen: 8.158 ppbv

RT: 15.97 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

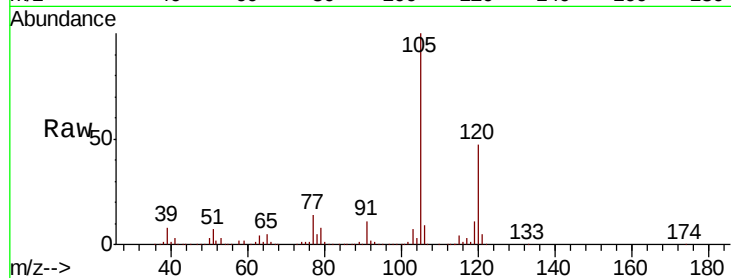
Acq: 23 Mar 2022 11:10

Tot Ion:105 Resp: 1919765

Ion Ratio Lower Upper

105 100

120 46.6 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

800000

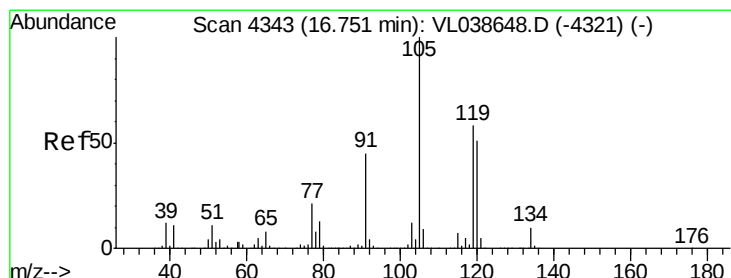
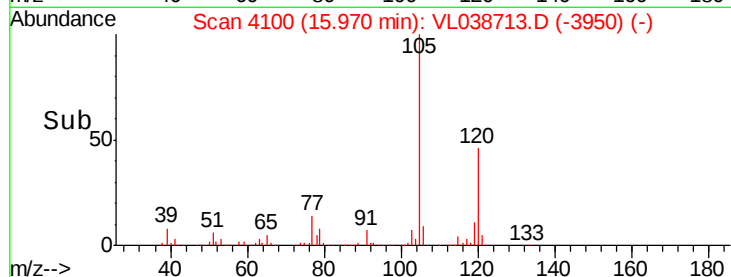
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.037 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

Tgt Ion:105 Resp: 2060002

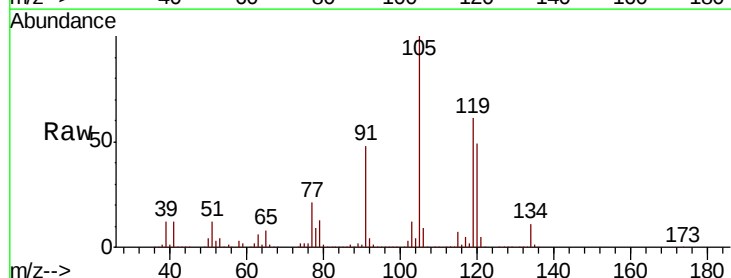
Ion Ratio Lower Upper

105 100

120 49.2 40.5 60.7

91 48.1 35.9 53.9

77 21.1 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

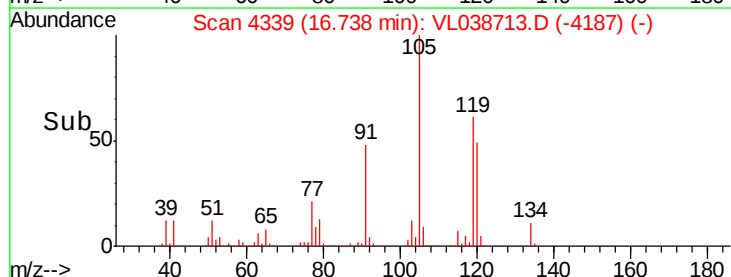
Ion 77.10 (76.80 to 77.80): VL0

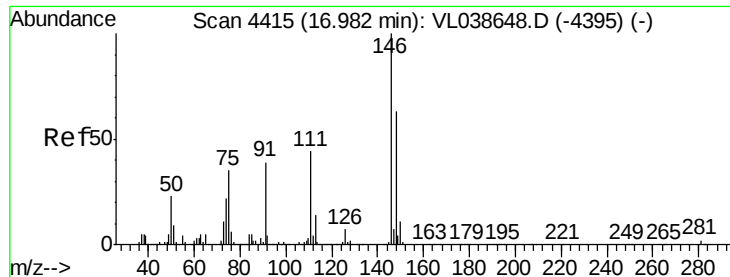
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.771 ppbv

RT: 16.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 11:10

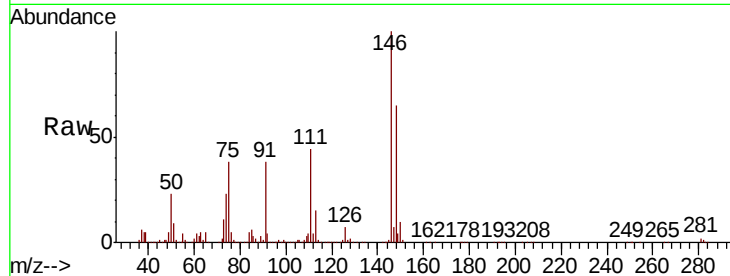
Tot Ion:146 Resp: 1268670

Ion Ratio Lower Upper

146 100

111 44.3 22.2 66.6

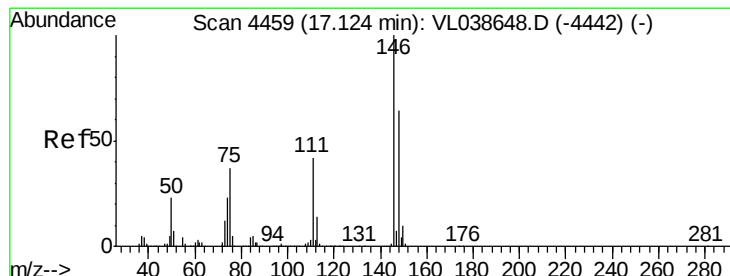
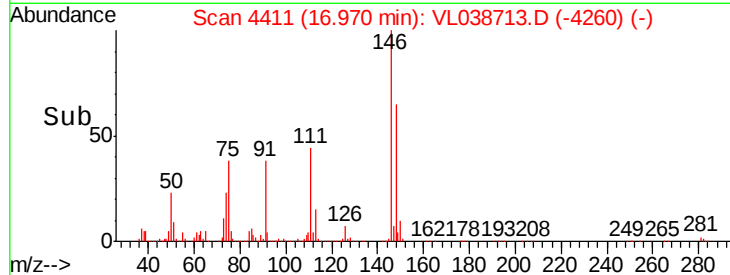
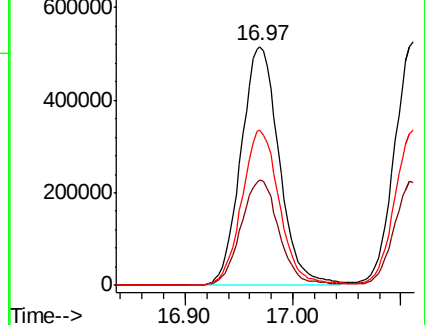
148 64.2 32.5 97.5



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: 7.680 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

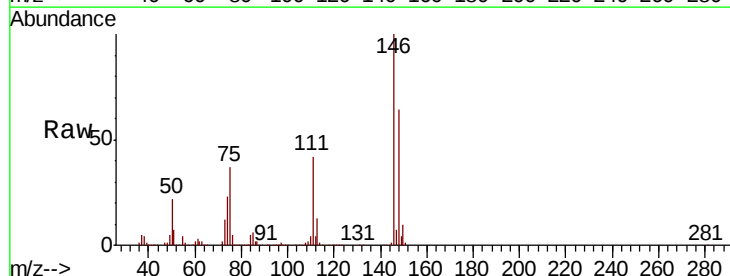
Tgt Ion:146 Resp: 1247039

Ion Ratio Lower Upper

146 100

111 43.6 21.4 64.2

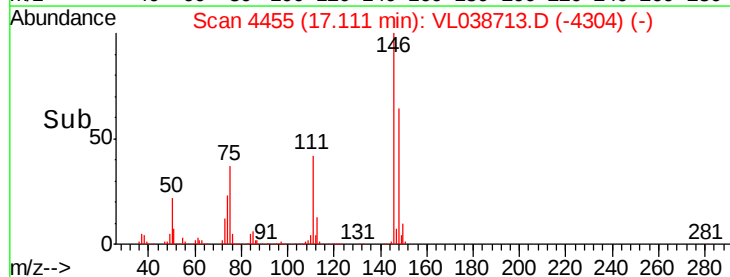
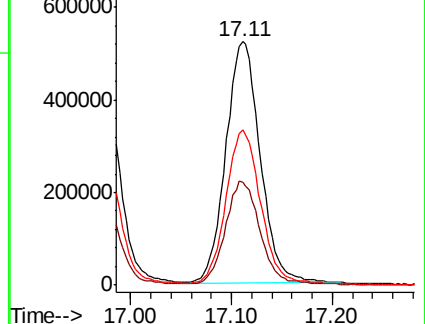
148 65.6 32.1 96.3

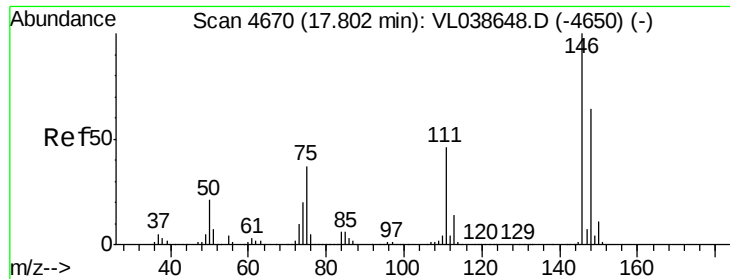


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

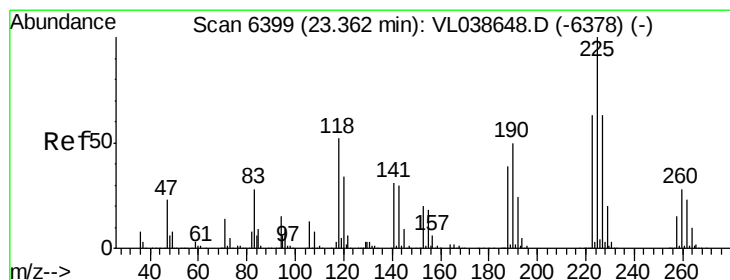
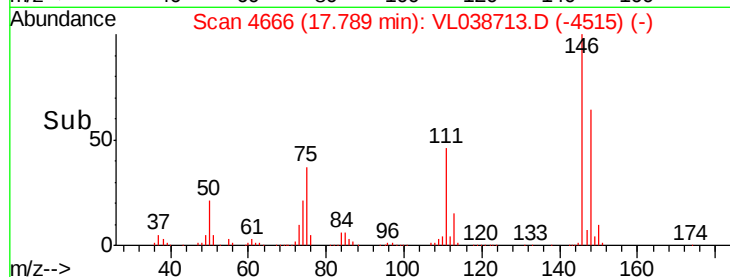
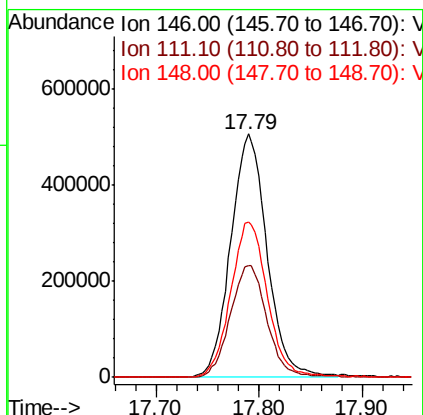
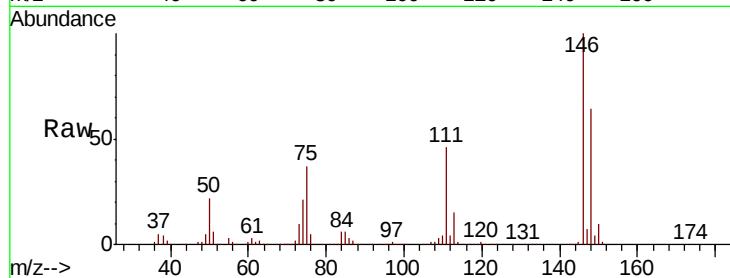
Ion 148.00 (147.70 to 148.70): V





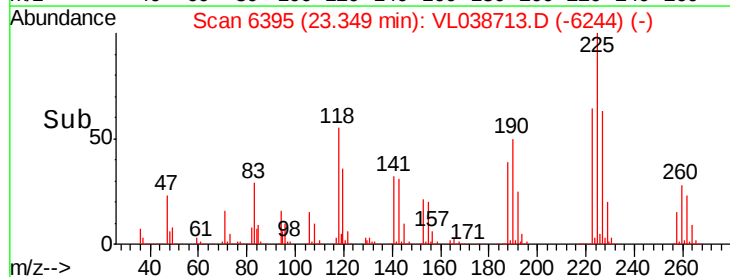
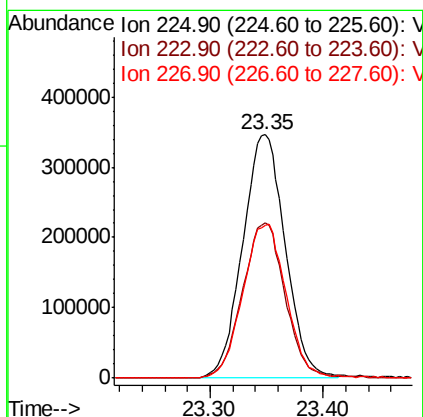
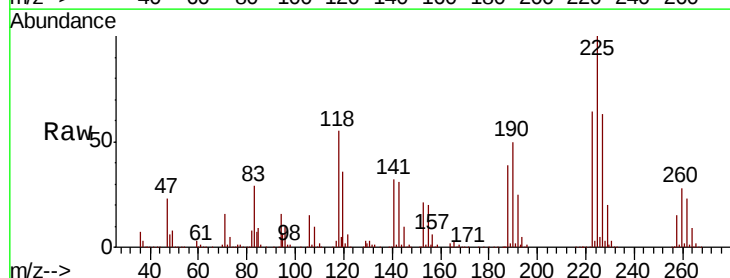
#77
 1,2-Dichlorobenzene
 Concen: 7.626 ppbv
 RT: 17.79
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

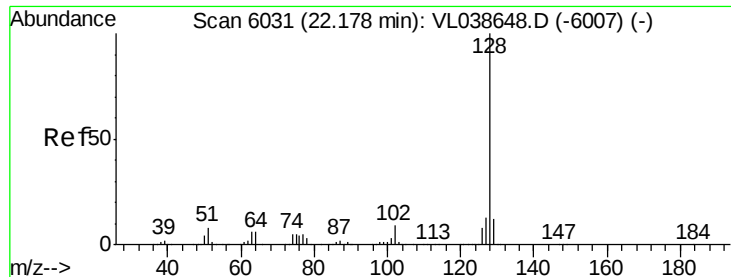
Tot Ion:146 Resp: 1233371
 Ion Ratio Lower Upper
 146 100
 111 46.9 22.8 68.4
 148 65.0 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.055 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.01 min
 Lab File: VL038713.D
 Acq: 23 Mar 2022 11:10

Tgt Ion:225 Resp: 905118
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.0 76.6
 227 64.8 51.5 77.3





#79

Naphthalene

Concen: 8.355 ppbv

RT: 22.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 11:10

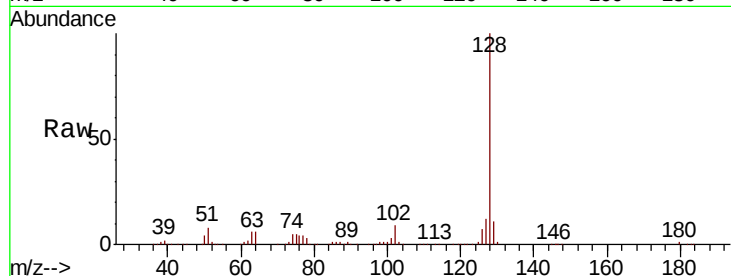
Tot Ion:128 Resp: 1636171

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

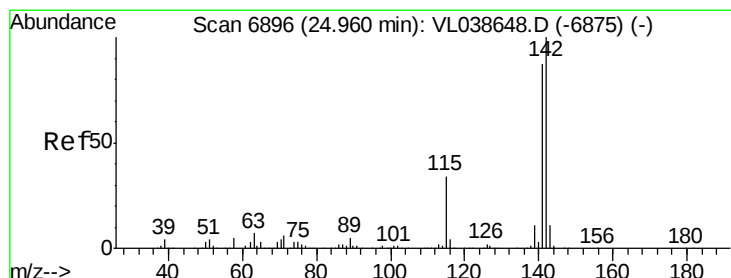
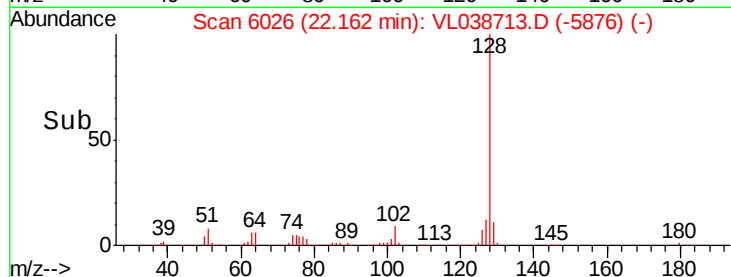
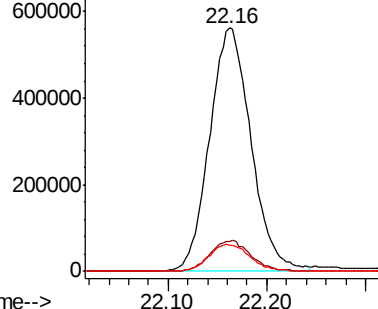
129 10.9 9.2 13.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.384 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. -0.01 min

Lab File: VL038713.D

Acq: 23 Mar 2022 11:10

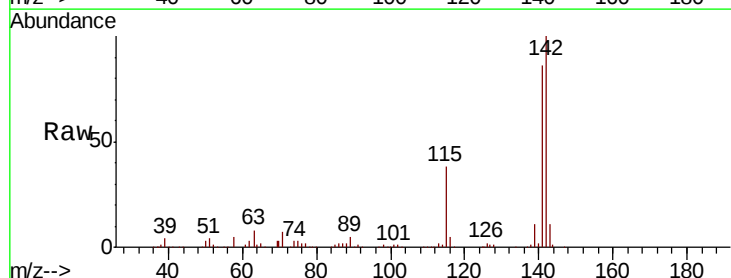
Tgt Ion:142 Resp: 387780

Ion Ratio Lower Upper

142 100

141 88.8 66.4 99.6

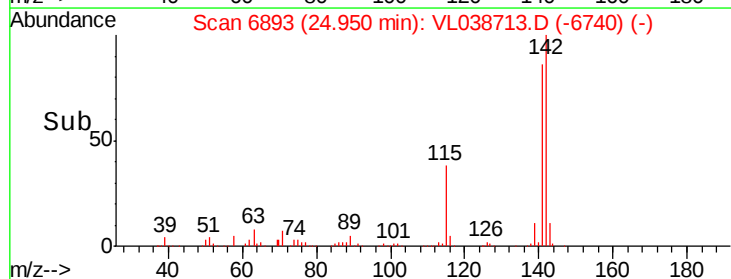
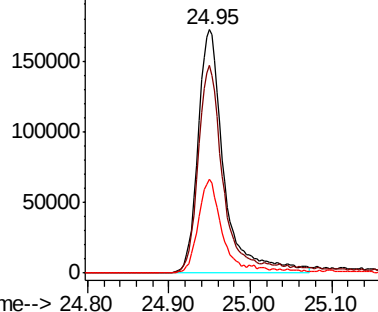
115 37.7 27.8 41.6

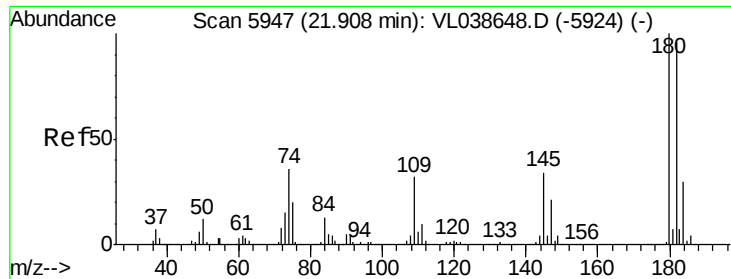


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.938 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Mar 2022 11:10

Tot Ion:	180	Resp:	930183
Ion Ratio	Lower	Upper	
180	100		
182	98.0	79.2	118.8
184	31.1	24.8	37.2

