

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110221\
 Data File : VL037963.D
 Acq On : 2 Nov 2021 9:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 03 03:48:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1465808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4274492	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	4823108	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2882163	8.22	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1942361	9.405	ppbv 100
3) Chlorodifluoromethane	2.99	51	2507928	9.191	ppbv 100
4) Chloromethane	3.14	50	957903	9.237	ppbv 98
5) Vinyl Chloride	3.25	62	961758	9.623	ppbv 100
6) Bromomethane	3.47	94	529454	9.806	ppbv 99
7) Chloroethane	3.56	64	332218	9.208	ppbv 91
8) Dichlorotetrafluoroethane	3.19	85	2179512	9.162	ppbv 99
9) Propene	3.01	41	923025	9.434	ppbv 96
10) Heptane	8.11	43	2302395	10.115	ppbv 100
11) Trichlorofluoromethane	3.94	101	1939286	9.430	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1544325	9.633	ppbv 99
13) Ethanol	3.60	45	85088	8.621	ppbv 96
14) Bromoethene	3.74	108	667627	9.520	ppbv 99
15) Acetone	3.84	43	1109970	9.164	ppbv 99
16) 1,3-Butadiene	3.32	39	913391	9.570	ppbv 98
17) tert-Butyl alcohol	4.28	59	1266593	10.057	ppbv 97
18) 1,1-Dichloroethene	4.28	96	693591	9.401	ppbv 99
19) Isopropyl Alcohol	3.95	45	716412	9.249	ppbv # 90
20) Methylene Chloride	4.34	84	571403	8.593	ppbv 93
21) Allyl Chloride	4.40	41	1122252	10.042	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	730846	9.969	ppbv 96
23) Vinyl Acetate	5.06	43	1767069	9.689	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1443225	9.578	ppbv 99
25) Ethyl Acetate	5.66	43	3542378	9.847	ppbv 100
26) Hexane	5.67	57	1671739	9.808	ppbv 99
27) Carbon Disulfide	4.54	76	1784860	10.607	ppbv 97
28) Methyl tert-Butyl Ether	5.02	73	1425960	9.951	ppbv 100
29) Chloroform	5.74	83	2360109	9.285	ppbv 98
30) Cyclohexane	7.12	84	1398291	9.597	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1572684	10.113	ppbv 100
32) 1,1,1-Trichloroethane	6.50	97	2243630	8.980	ppbv 100
34) 2-Butanone	5.23	43	1521603	9.607	ppbv 99
35) Carbon Tetrachloride	7.01	117	2354184	9.110	ppbv 98
36) Benzene	6.88	78	3473884	9.980	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1658208	10.020	ppbv 99
38) Trichloroethene	7.82	130	1371258	9.491	ppbv 97
39) 1,2-Dichloropropane	7.60	63	1343529	10.258	ppbv 99
40) 1,4-Dioxane	7.82	88	294987	8.552	ppbv # 1
41) Tetrahydrofuran	6.04	42	829677	10.706	ppbv 98
42) Bromodichloromethane	7.77	83	2423399	9.685	ppbv 97
43) Methyl Methacrylate	8.00	69	1268025	11.098	ppbv 99

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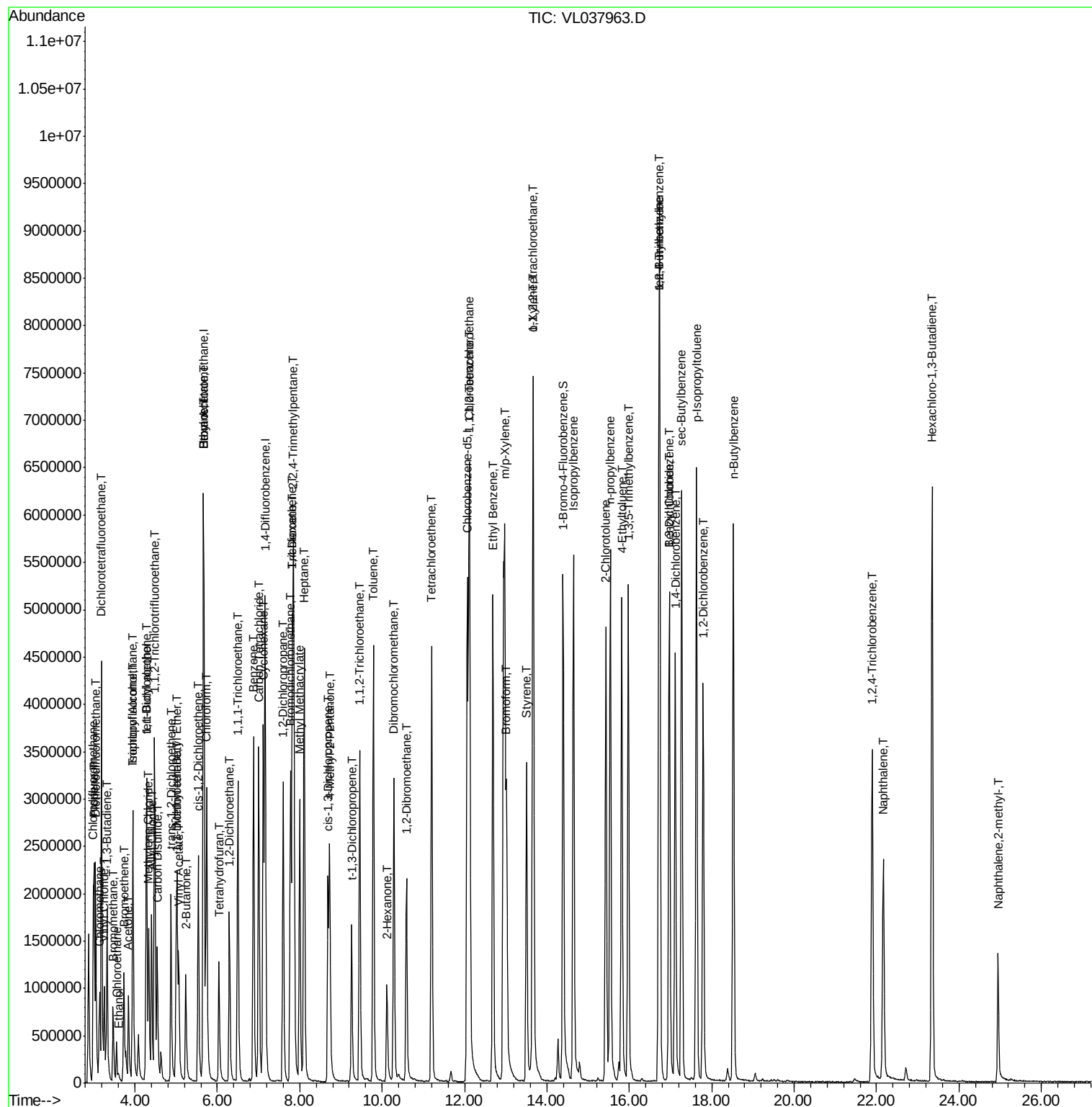
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5855136	9.889	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1023733	12.194	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1366222	11.836	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1412544	9.599	ppbv	95
48) Dibromochloromethane	10.28	129	2185333	10.489	ppbv	99
49) Bromoform	13.02	173	1782879	10.825	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2241349	10.770	ppbv	100
51) 2-Hexanone	10.11	43	997803	11.376	ppbv #	99
52) Tetrachloroethene	11.20	164	1258010	9.527	ppbv	96
53) Toluene	9.79	91	4014218	10.757	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1995107	10.512	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1511486	7.762	ppbv	98
57) Chlorobenzene	12.13	112	2927897	7.606	ppbv	97
58) Ethyl Benzene	12.69	91	5057417	8.574	ppbv	99
59) m/p-Xylene	12.98	91	4863211	9.277	ppbv #	46
60) o-Xylene	13.67	91	3948168	7.988	ppbv	99
61) Styrene	13.51	104	2216394	9.764	ppbv	100
62) Isopropylbenzene	14.65	105	5474386	7.822	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2888531	6.790	ppbv	99
64) n-propylbenzene	15.54	120	1468632	8.190	ppbv	97
65) tert-Butylbenzene	16.72	119	4769738	7.712	ppbv	100
66) Benzyl Chloride	16.96	91	306649	9.488	ppbv	99
67) sec-Butylbenzene	17.27	105	6652397	7.807	ppbv	100
69) p-Isopropyltoluene	17.63	119	5471966	8.005	ppbv	100
70) n-Butylbenzene	18.53	91	5251321	8.361	ppbv	99
71) 2-Chlorotoluene	15.43	91	4033842	8.226	ppbv	98
72) 4-Ethyltoluene	15.82	105	4744676	8.379	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4240719	7.997	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4319396	7.775	ppbv #	92
75) 1,3-Dichlorobenzene	16.97	146	2668909	7.716	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2555509	7.635	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2468759	7.601	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1855543	6.675	ppbv	99
79) Naphthalene	22.17	128	3237485	10.115	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	917553	14.726	ppbv	98
81) 1,2,4-Trichlorobenzene	21.89	180	940559	4.515	ppbv #	11

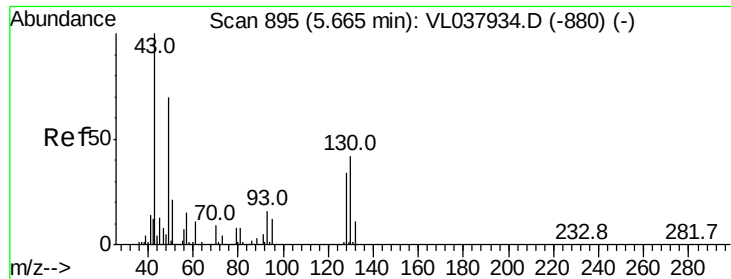
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 2 Nov 2021 9:34

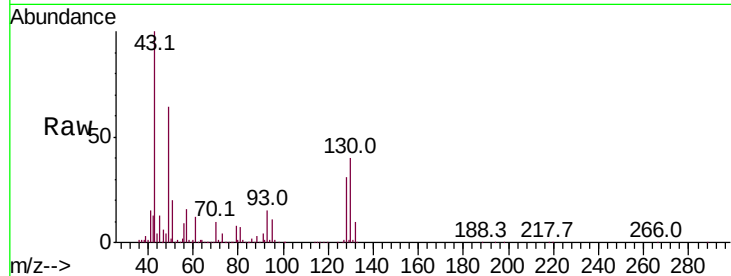
Tot Ion: 49 Resp: 1465808

Ion Ratio Lower Upper

49 100

128 54.2 27.0 81.0

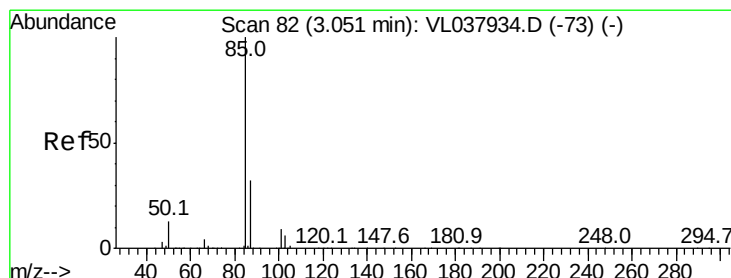
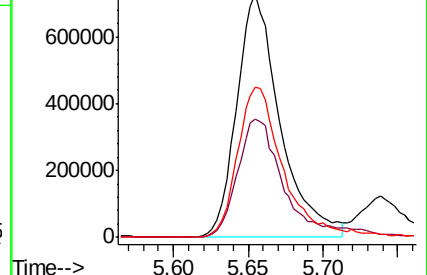
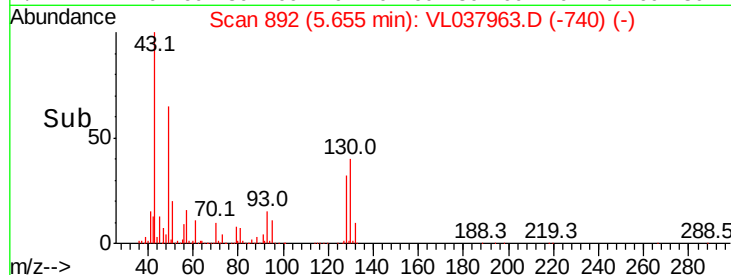
130 67.0 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.405 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037963.D

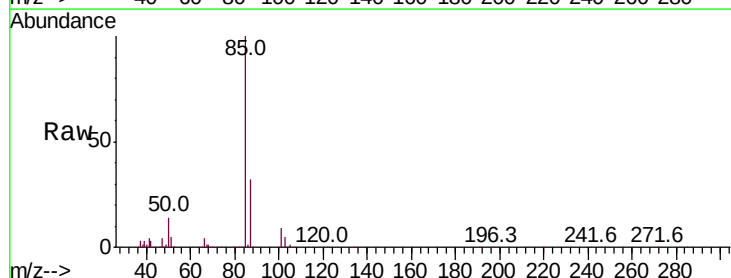
Acq: 2 Nov 2021 9:34

Tgt Ion: 85 Resp: 1942361

Ion Ratio Lower Upper

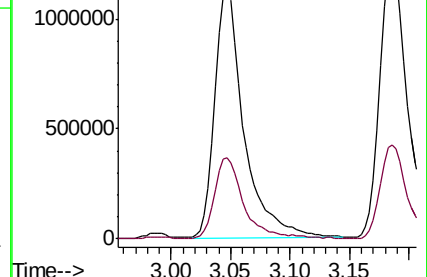
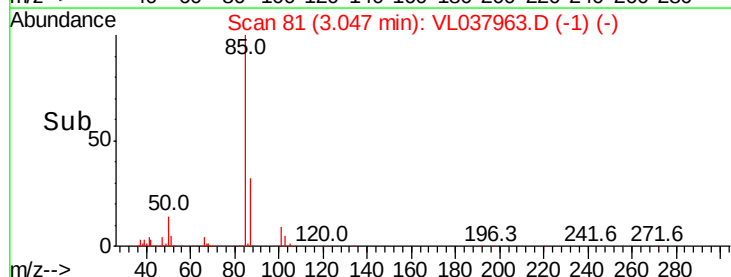
85 100

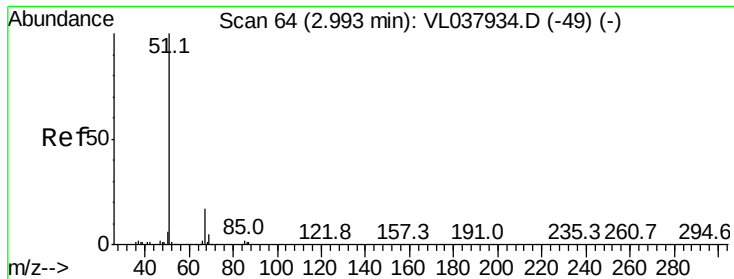
87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.191 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

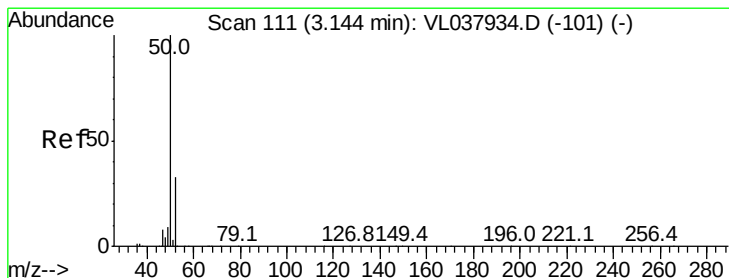
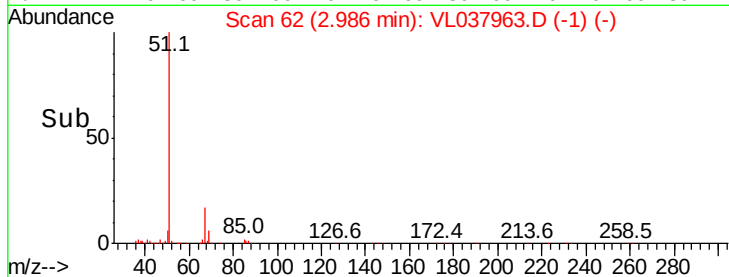
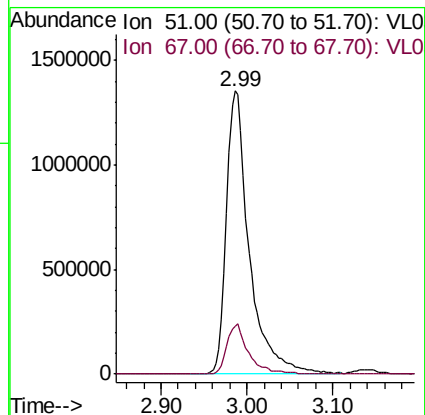
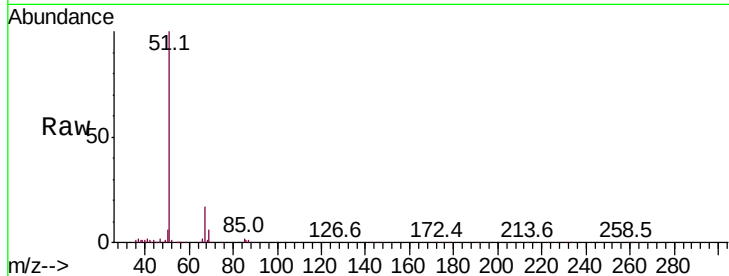
Acq: 2 Nov 2021 9:34

Tot Ion: 51 Resp: 2507928

Ion Ratio Lower Upper

51 100

67 16.9 13.4 20.0



#4

Chloromethane

Concen: 9.237 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037963.D

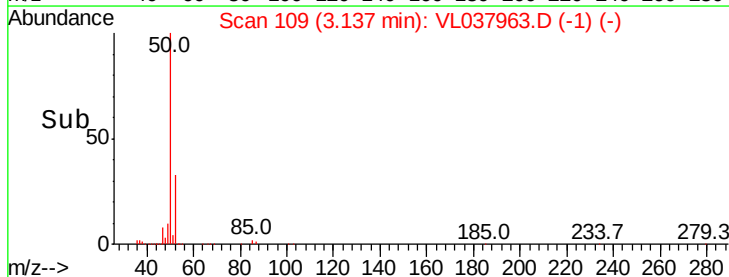
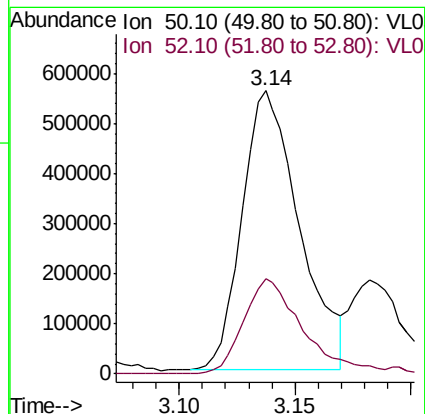
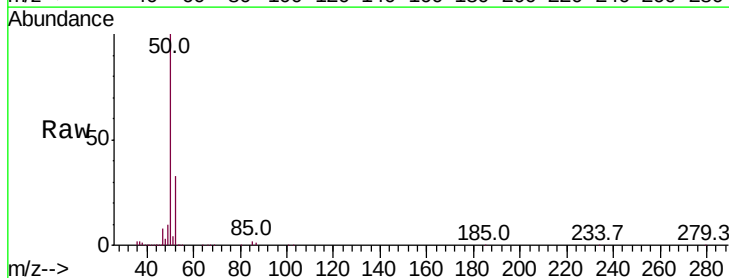
Acq: 2 Nov 2021 9:34

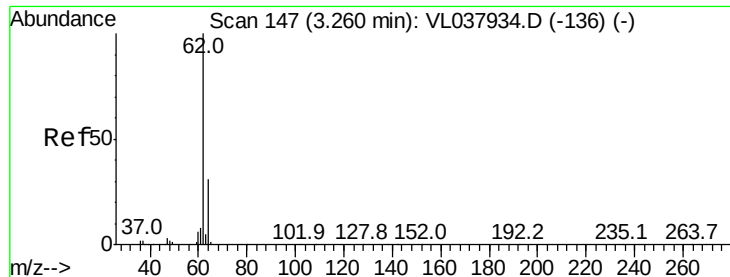
Tgt Ion: 50 Resp: 957903

Ion Ratio Lower Upper

50 100

52 33.8 26.3 39.5





#5

Vinyl Chloride

Concen: 9.623 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

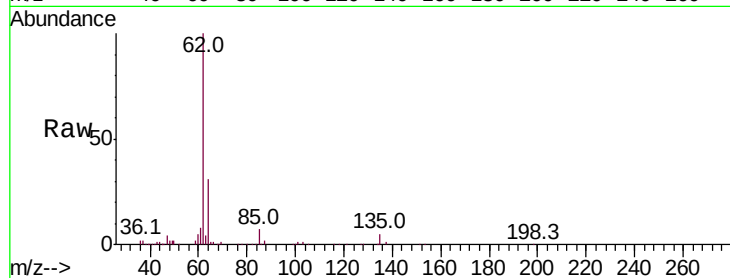
Acq: 2 Nov 2021 9:34

Tot Ion: 62 Resp: 961758

Ion Ratio Lower Upper

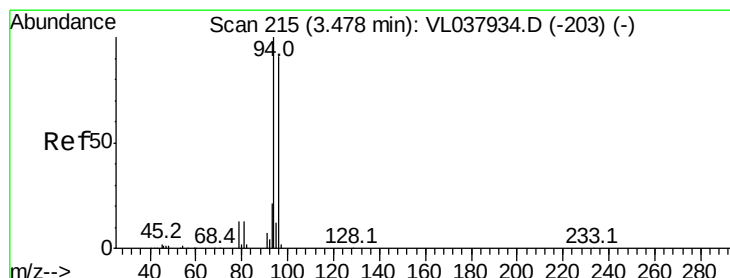
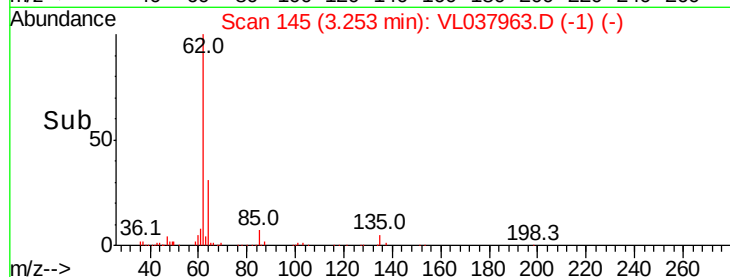
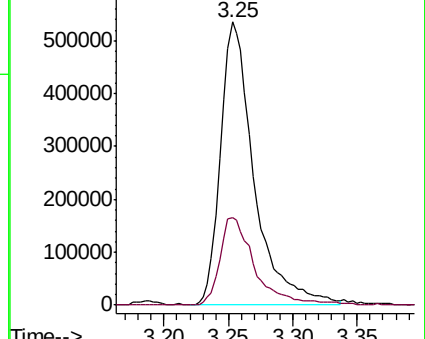
62 100

64 31.2 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.806 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL037963.D

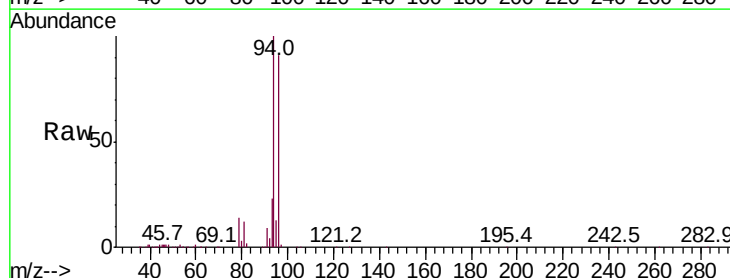
Acq: 2 Nov 2021 9:34

Tgt Ion: 94 Resp: 529454

Ion Ratio Lower Upper

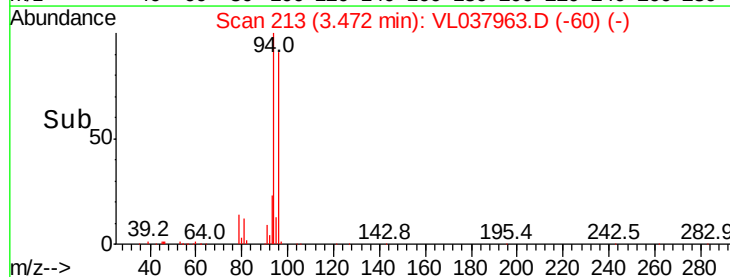
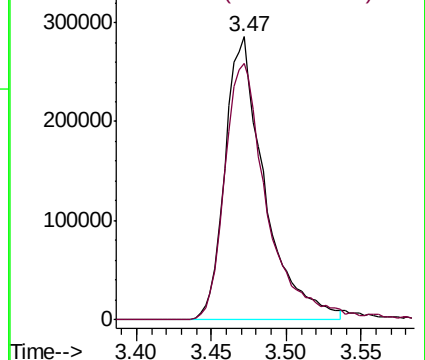
94 100

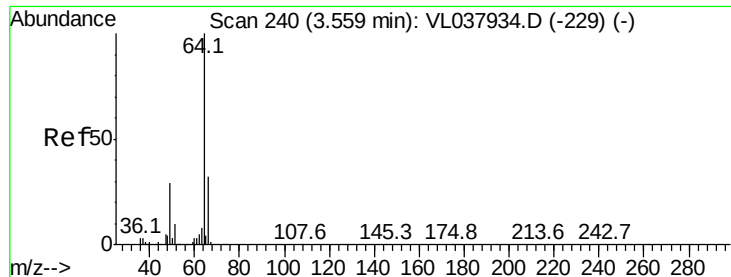
96 90.4 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.208 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

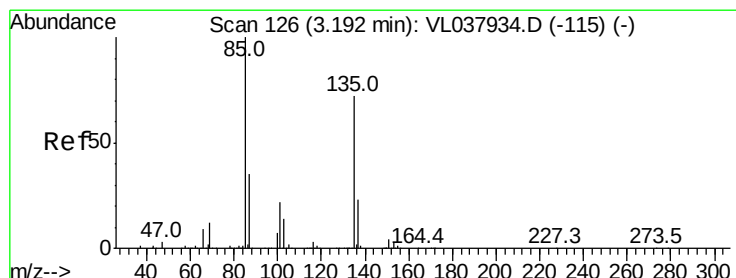
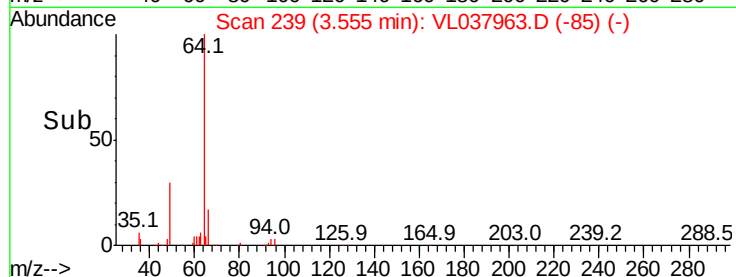
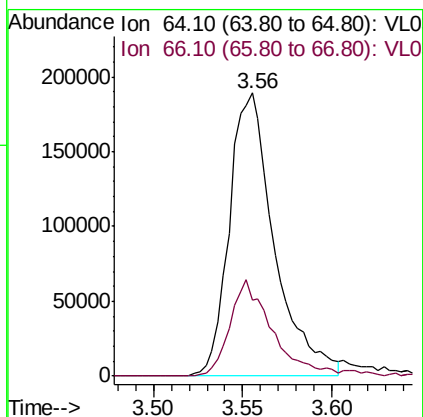
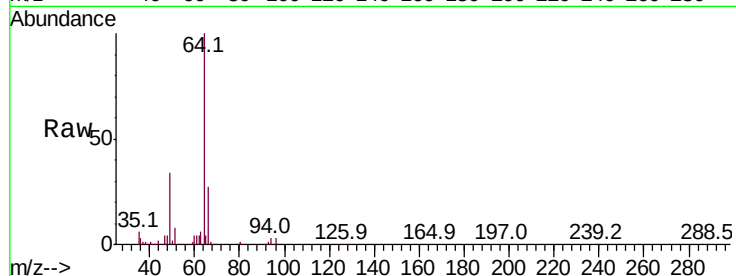
Acq: 2 Nov 2021 9:34

Tot Ion: 64 Resp: 332218

Ion Ratio Lower Upper

64 100

66 26.9 25.5 38.3



#8

Dichlorotetrafluoroethane

Concen: 9.162 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL037963.D

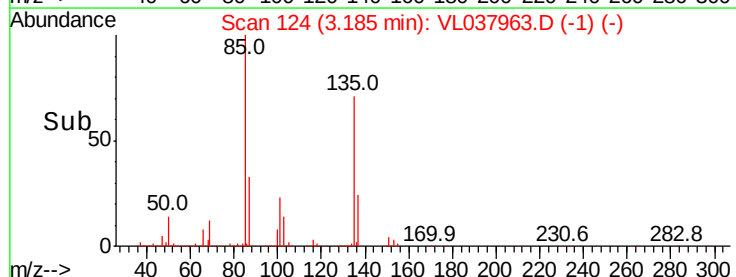
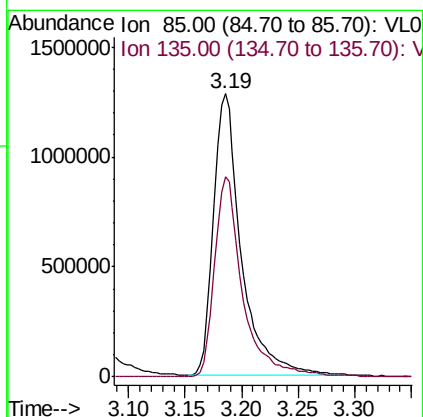
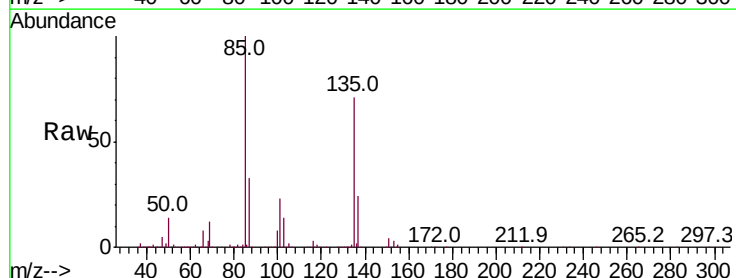
Acq: 2 Nov 2021 9:34

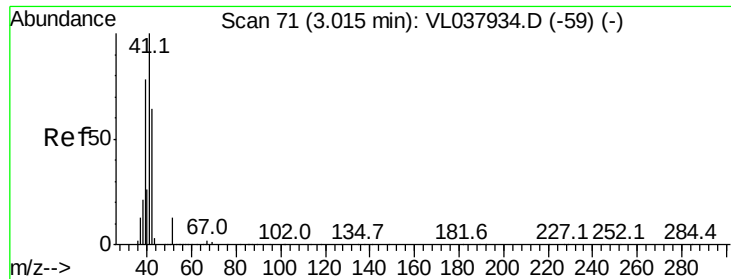
Tgt Ion: 85 Resp: 2179512

Ion Ratio Lower Upper

85 100

135 73.0 58.8 88.2





#9

Propene

Concen: 9.434 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

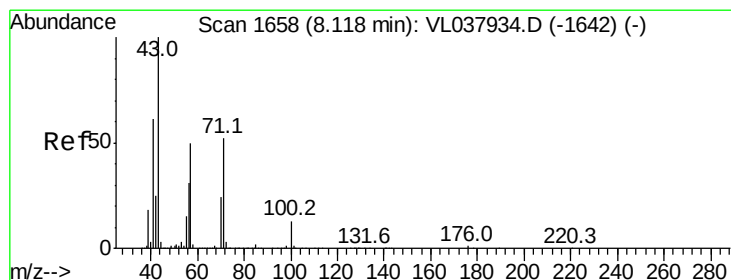
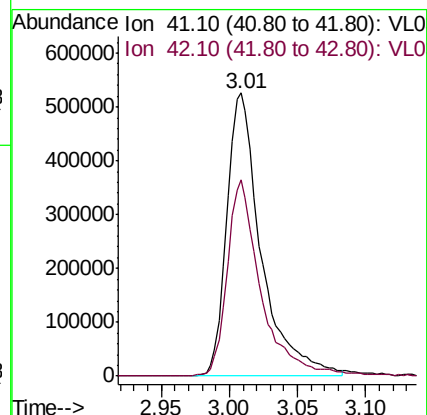
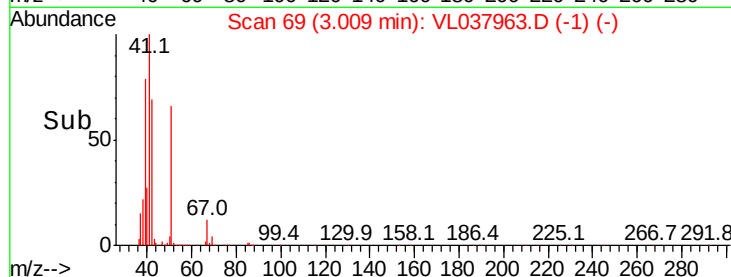
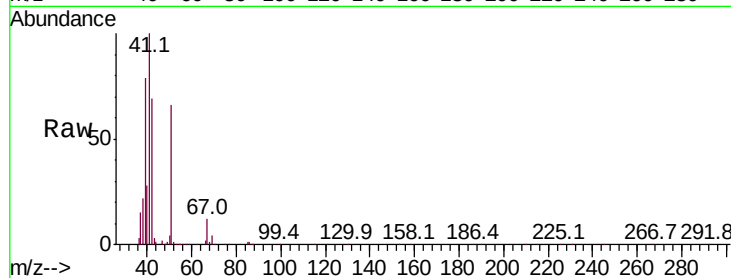
Acq: 2 Nov 2021 9:34

Tot Ion: 41 Resp: 923025

Ion Ratio Lower Upper

41 100

42 68.3 57.6 86.4



#10

Heptane

Concen: 10.115 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.01 min

Lab File: VL037963.D

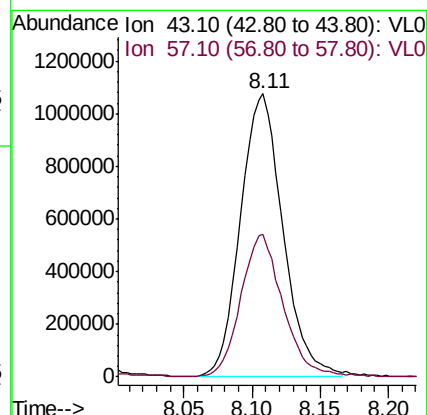
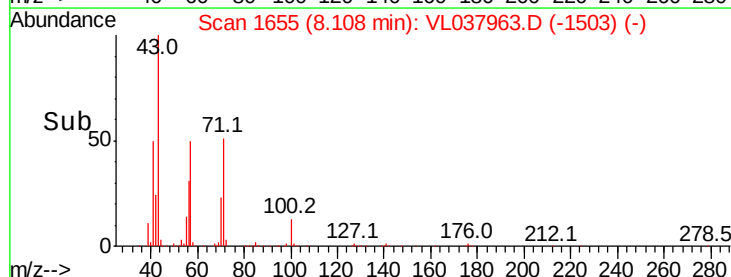
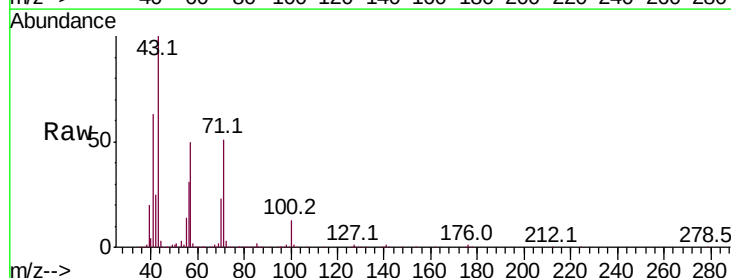
Acq: 2 Nov 2021 9:34

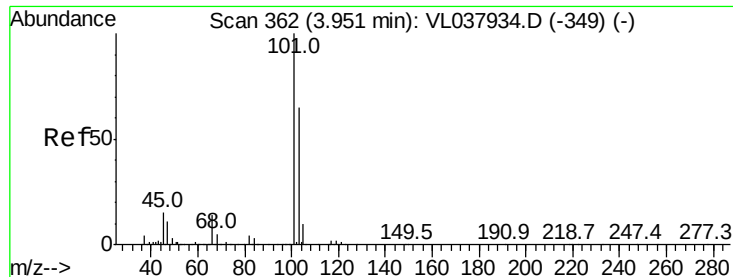
Tgt Ion: 43 Resp: 2302395

Ion Ratio Lower Upper

43 100

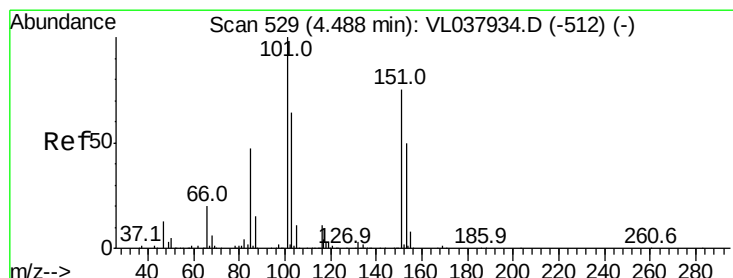
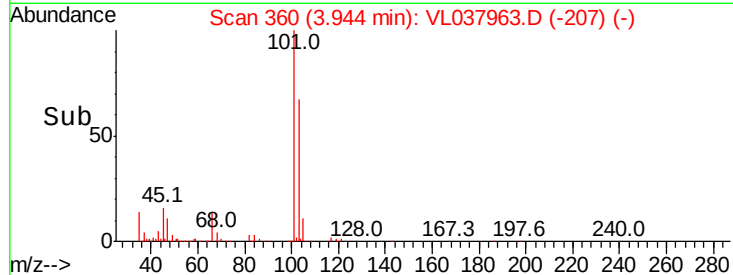
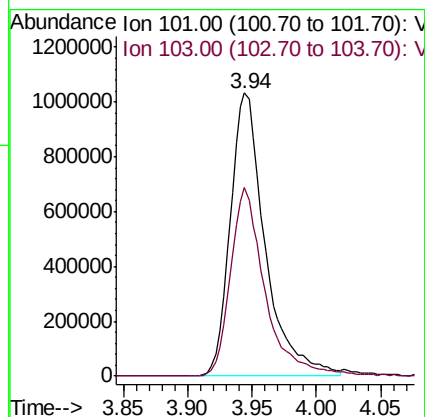
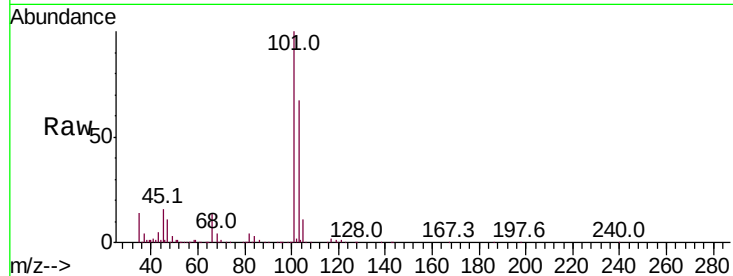
57 50.0 39.8 59.8





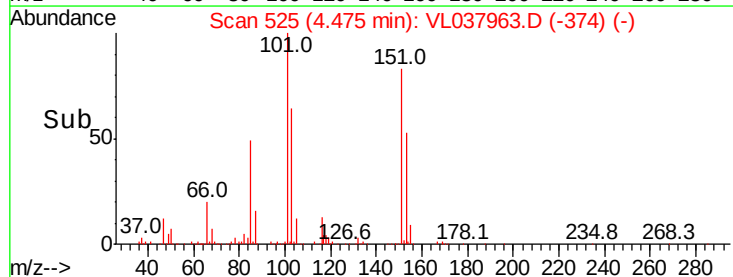
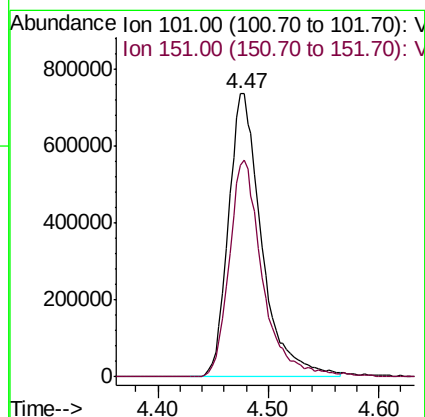
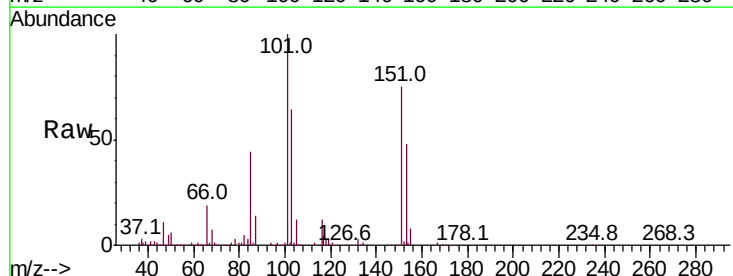
#11
 Trichlorofluoromethane
 Concen: 9.430 ppbv
 RT: 3.94
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 9:34

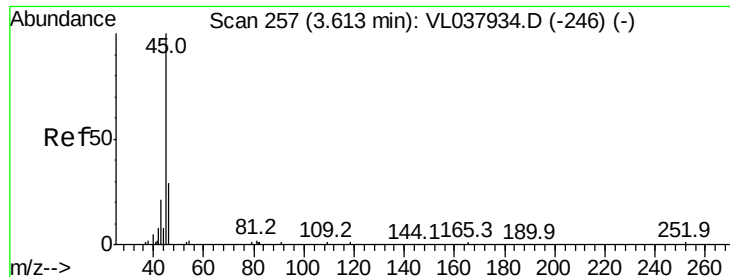
Tot Ion:101 Resp: 1939286
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.633 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL037963.D
 Acq: 2 Nov 2021 9:34

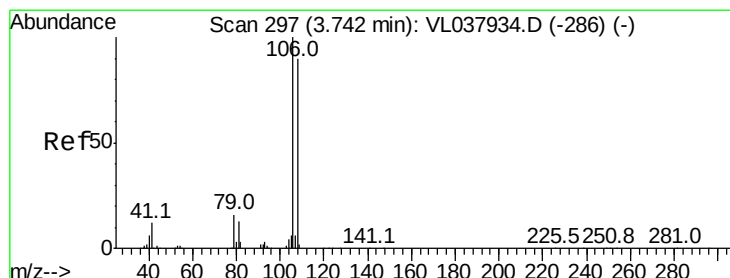
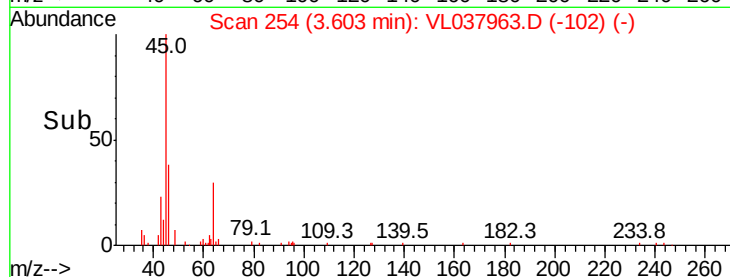
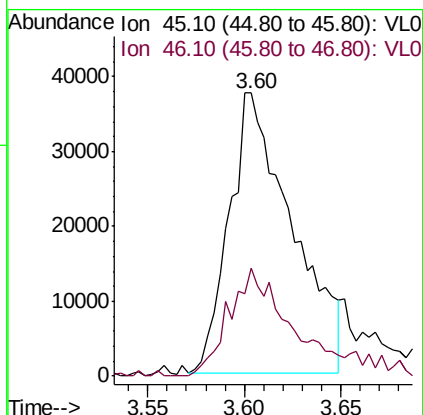
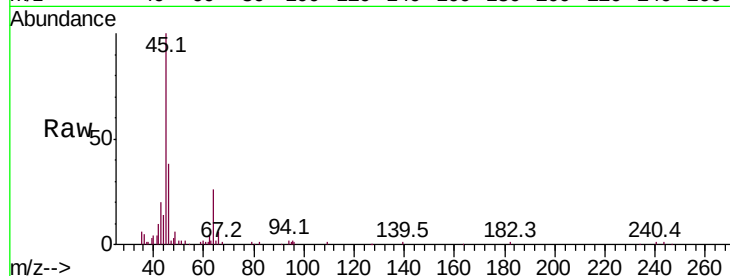
Tgt Ion:101 Resp: 1544325
 Ion Ratio Lower Upper
 101 100
 151 76.7 61.8 92.8





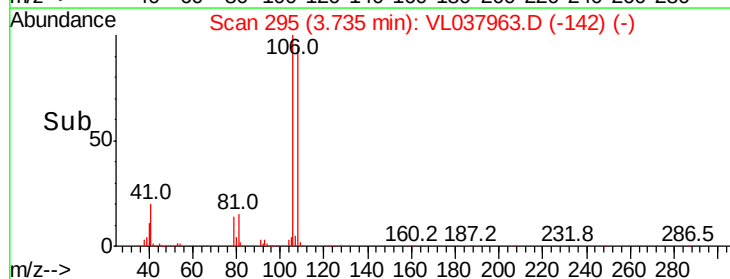
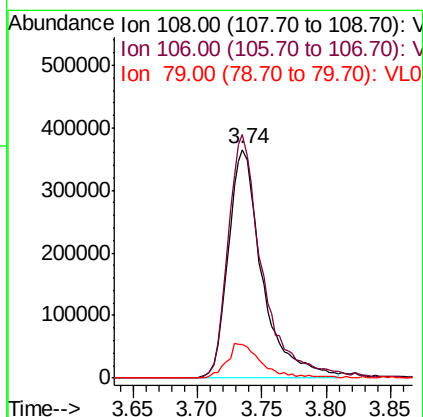
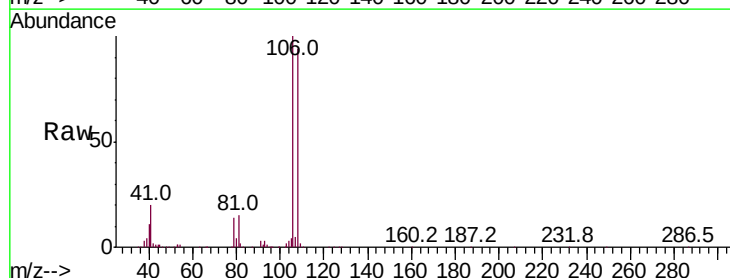
#13
Ethanol
Concen: 8.621 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 9:34

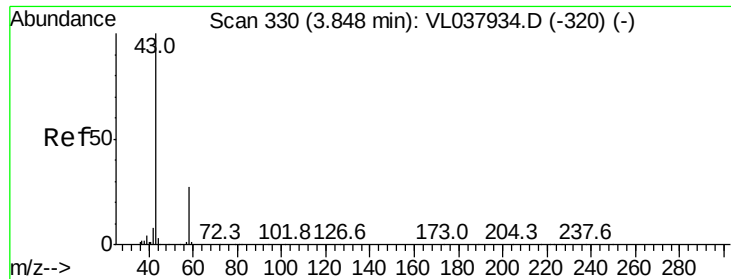
Tot Ion: 45 Resp: 85088
Ion Ratio Lower Upper
45 100
46 41.3 17.4 69.8



#14
Bromoethene
Concen: 9.520 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

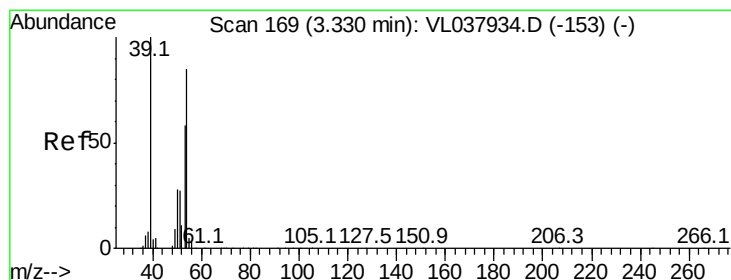
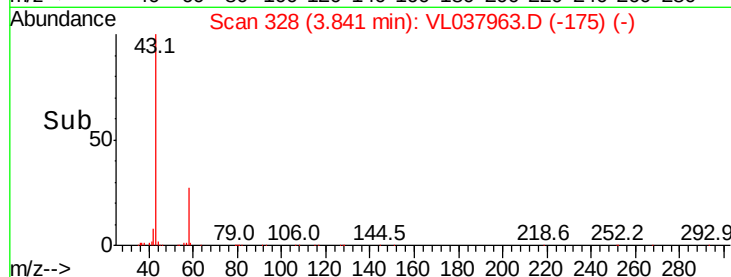
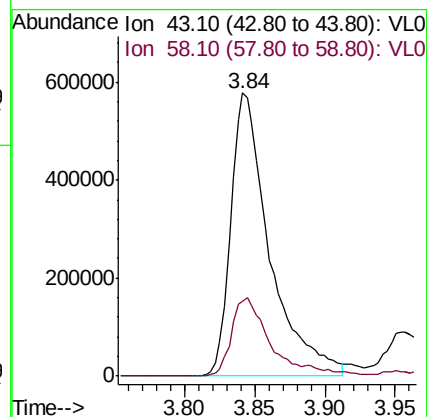
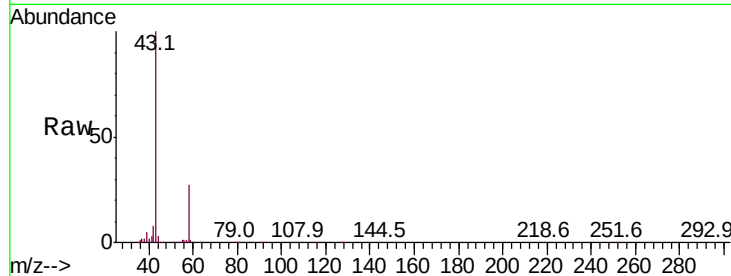
Tgt Ion: 108 Resp: 667627
Ion Ratio Lower Upper
108 100
106 109.3 88.4 132.6
79 16.1 12.4 18.6





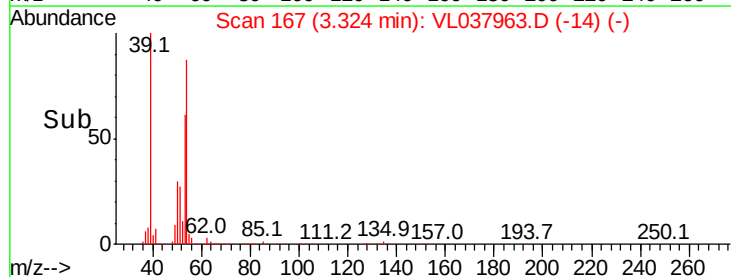
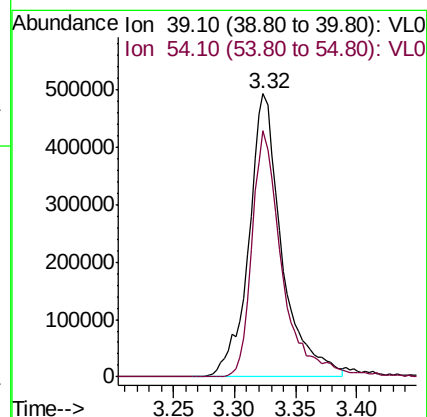
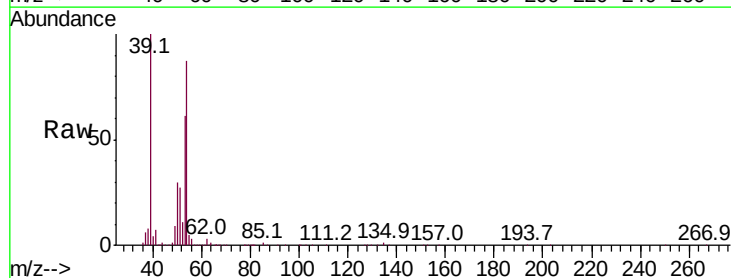
#15
Acetone
Concen: 9.164 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 9:34

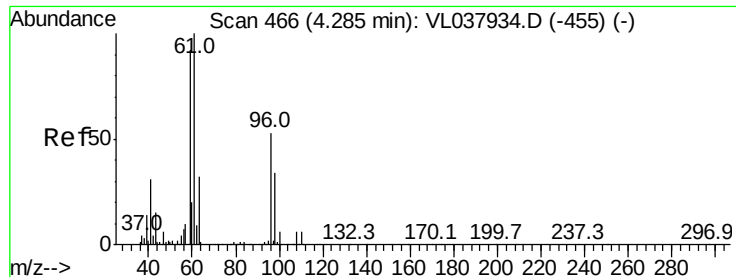
Tot Ion: 43 Resp: 1109970
Ion Ratio Lower Upper
43 100
58 28.5 23.3 34.9



#16
1,3-Butadiene
Concen: 9.570 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 39 Resp: 913391
Ion Ratio Lower Upper
39 100
54 80.3 62.6 93.8





#17

tert-Butyl alcohol

Concen: 10.057 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

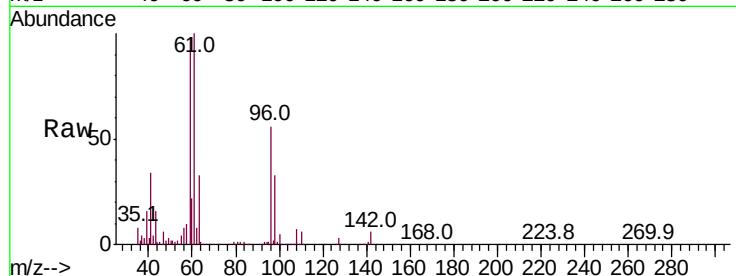
Acq: 2 Nov 2021 9:34

Tot Ion: 59 Resp: 1266593

Ion Ratio Lower Upper

59 100

57 10.1 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

600000

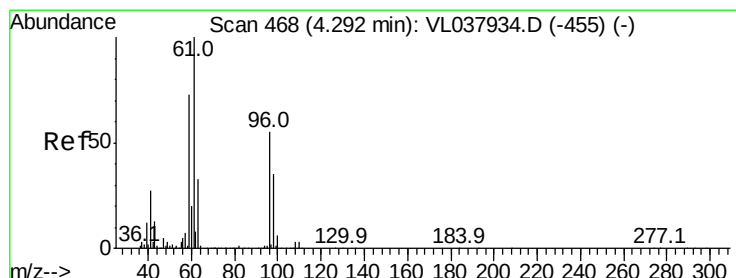
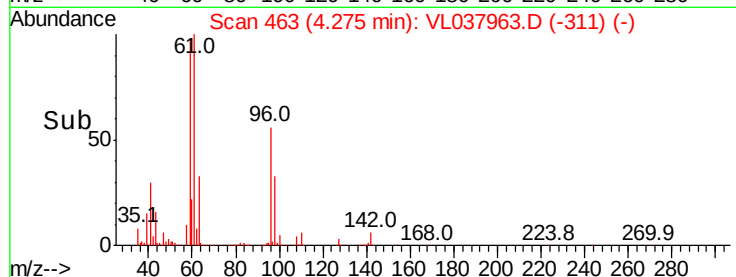
400000

200000

0

4.20 4.25 4.30 4.35 4.40

Time-->



#18

1,1-Dichloroethene

Concen: 9.401 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

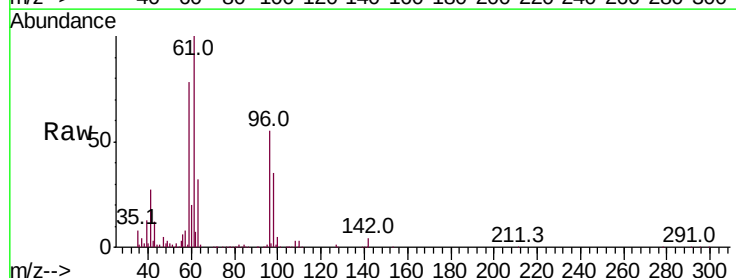
Tgt Ion: 96 Resp: 693591

Ion Ratio Lower Upper

96 100

61 182.1 144.3 216.5

98 64.0 50.5 75.7



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

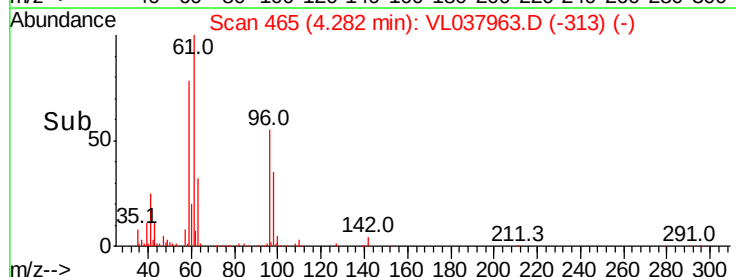
400000

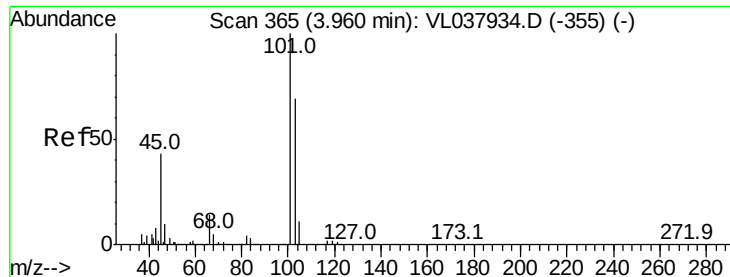
200000

0

4.20 4.25 4.30 4.35

Time-->





#19

Isopropyl Alcohol

Concen: 9.249 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

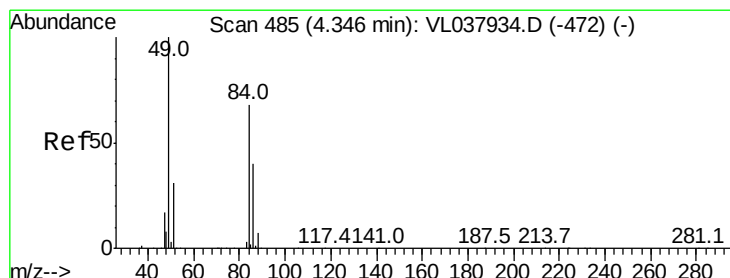
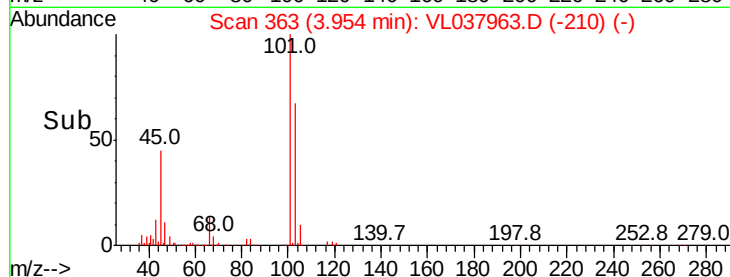
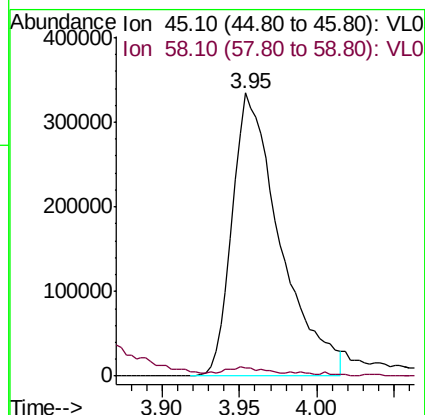
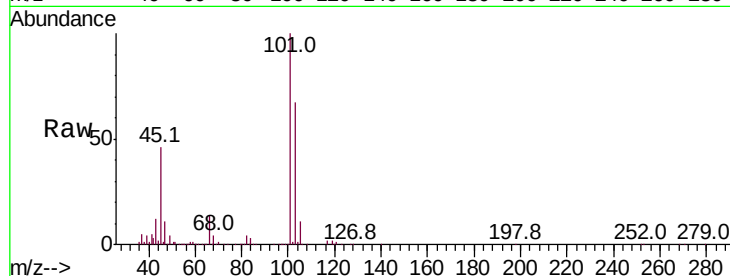
Acq: 2 Nov 2021 9:34

Tot Ion: 45 Resp: 716412

Ion Ratio Lower Upper

45 100

58 1.8 4.0 6.0#



#20

Methylene Chloride

Concen: 8.593 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion: 84 Resp: 571403

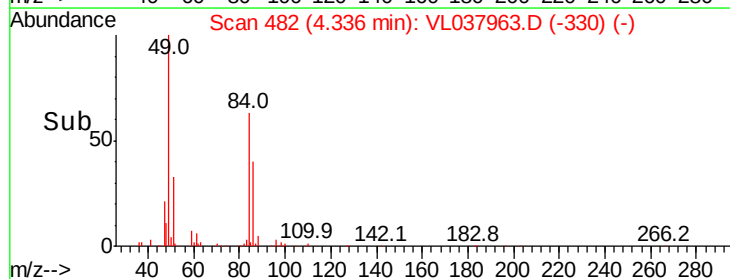
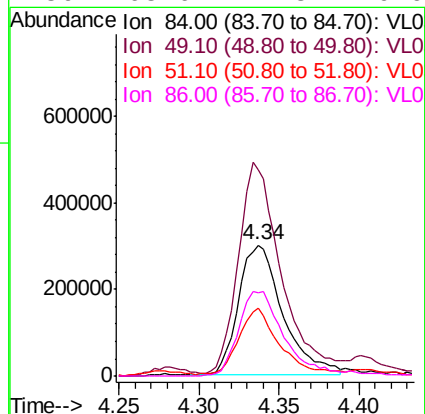
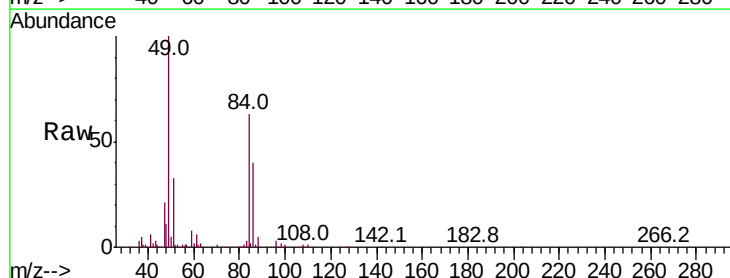
Ion Ratio Lower Upper

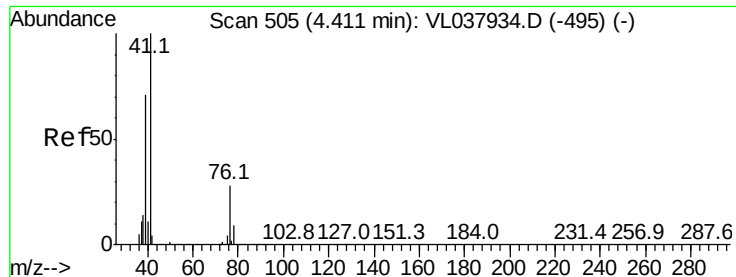
84 100

49 155.5 117.5 176.3

51 49.8 35.9 53.9

86 63.6 47.3 70.9

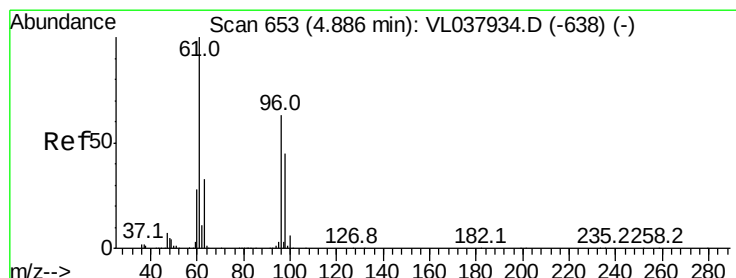
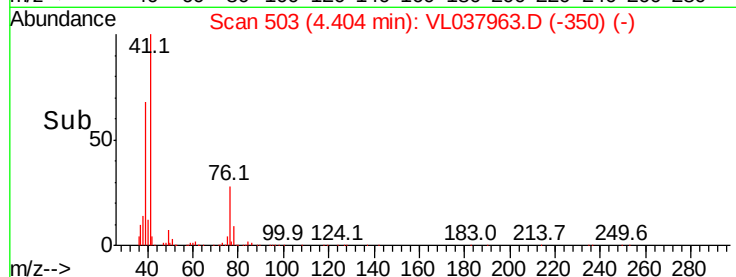
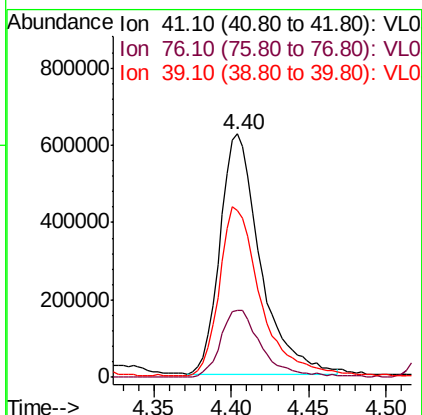
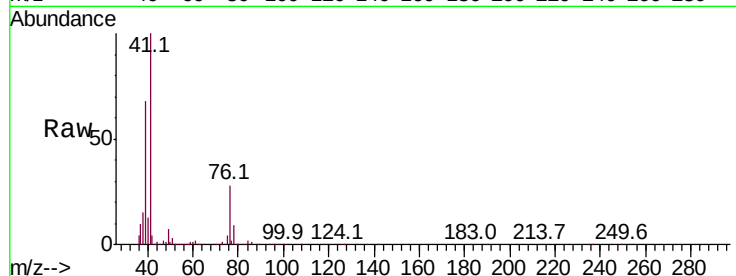




#21
Allvl Chloride
Concen: 10.042 ppbv
RT: 4.40
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Nov 2021 9:34

Tot Ion: 41 Resp: 1122252

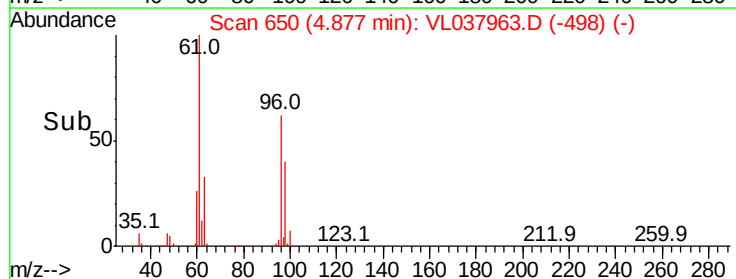
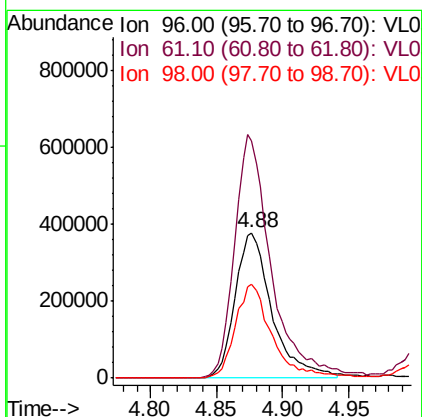
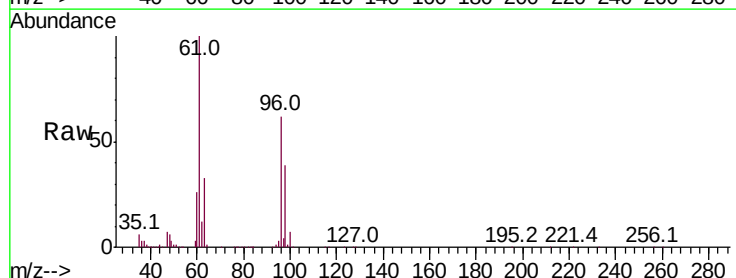
Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.6	35.4
39	75.0	59.7	89.5

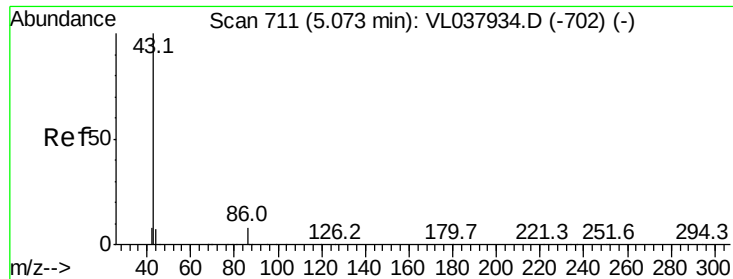


#22
trans-1,2-Dichloroethene
Concen: 9.969 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 96 Resp: 730846

Ion	Ratio	Lower	Upper
96	100		
61	162.6	127.8	191.6
98	64.1	56.9	85.3





#23

Vinyl Acetate

Concen: 9.689 ppbv

RT: 5.06 Instrument: MSVOA_1

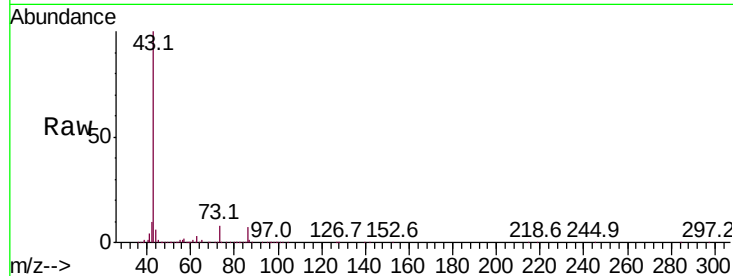
Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34

Tot Ion: 43 Resp: 1767069

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.5	8.3
42	10.0	7.4	11.2
44	5.6	4.7	7.1

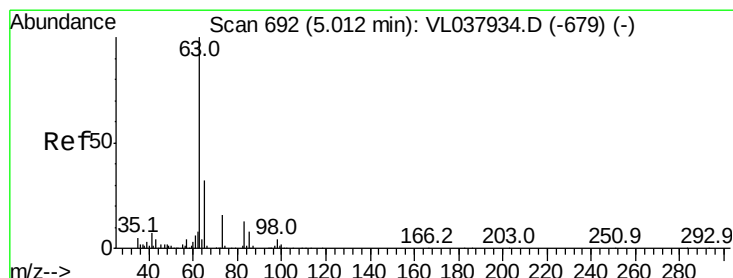
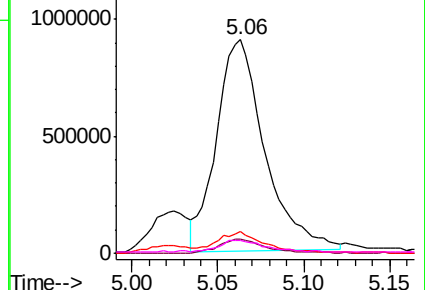
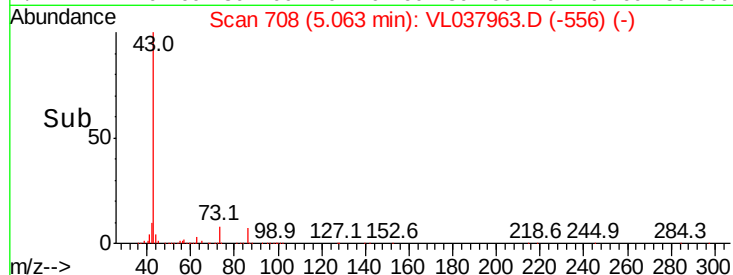


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.578 ppbv

RT: 5.00 min Scan# 688

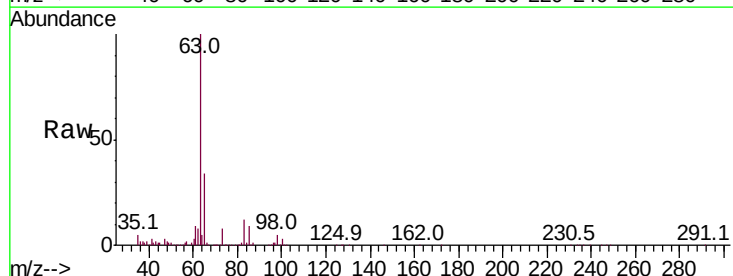
Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion: 63 Resp: 1443225

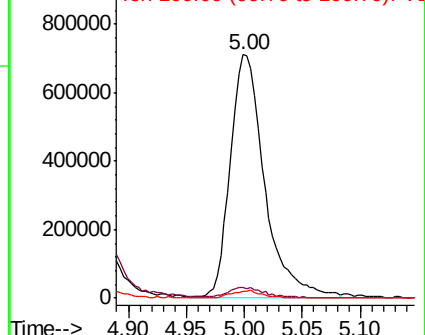
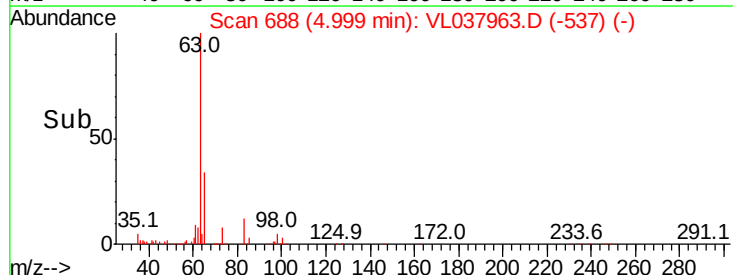
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.9
100	2.6	1.2	3.6

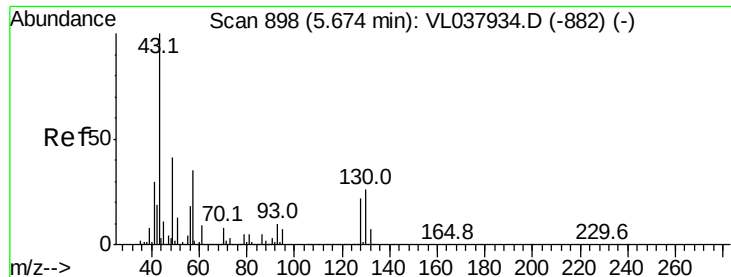


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

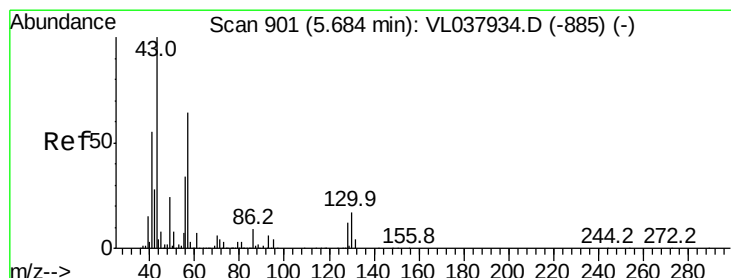
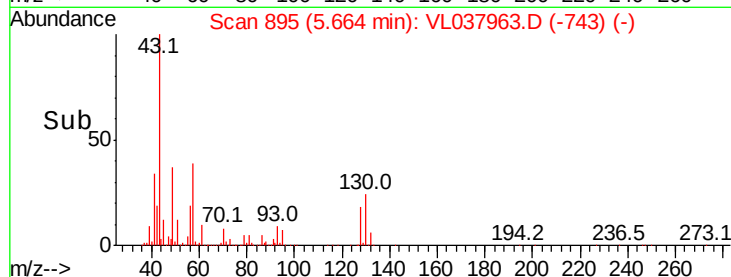
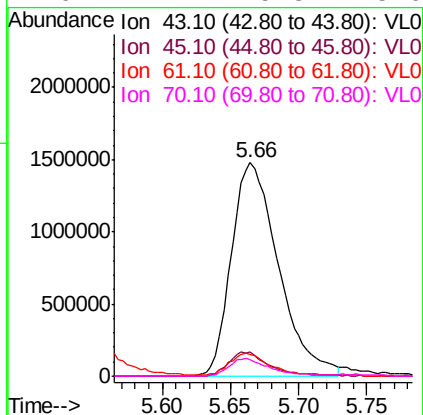
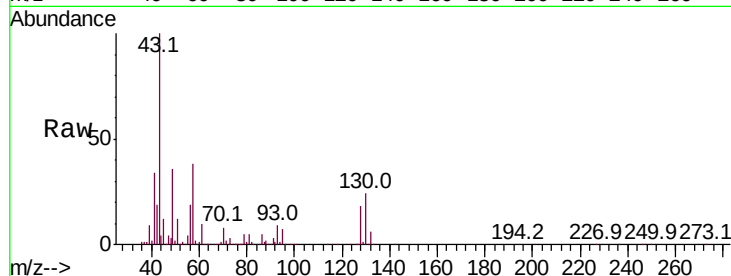




#25
Ethyl Acetate
Concen: 9.847 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 2 Nov 2021 9:34

Tot Ion: 43 Resp: 3542378

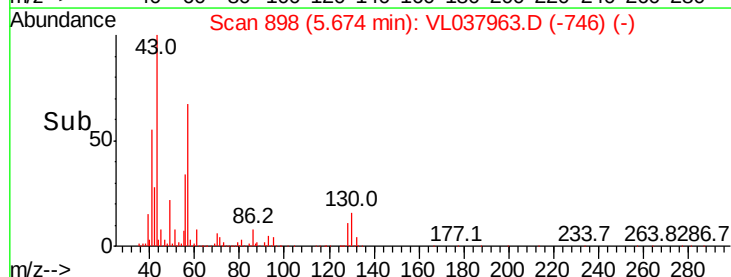
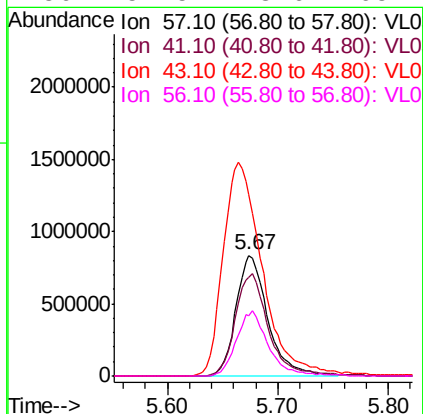
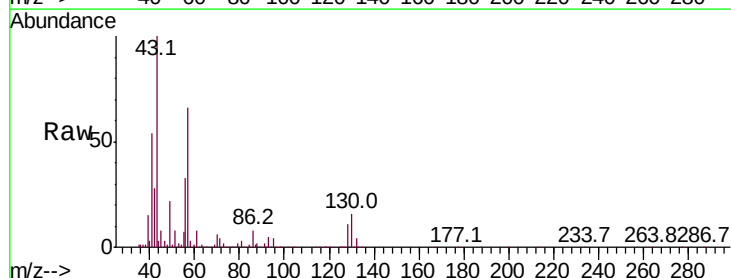
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	9.9	8.1	12.1
70	7.2	5.8	8.6

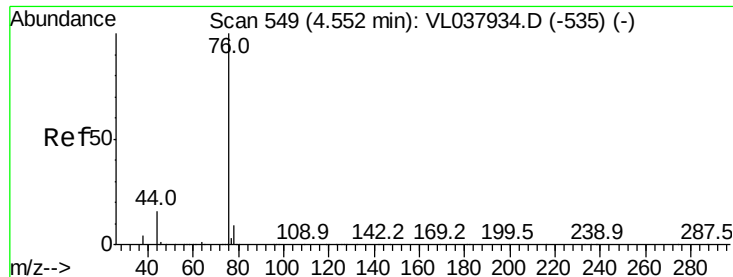


#26
Hexane
Concen: 9.808 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 57 Resp: 1671739

Ion	Ratio	Lower	Upper
57	100		
41	89.0	71.0	106.6
43	218.7	173.0	259.6
56	54.5	43.6	65.4





#27

Carbon Disulfide

Concen: 10.607 ppbv

RT: 4.54 Instrument:

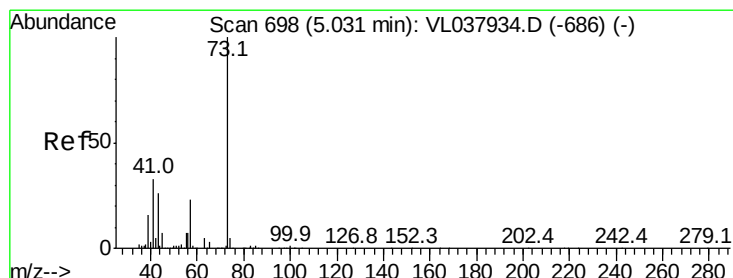
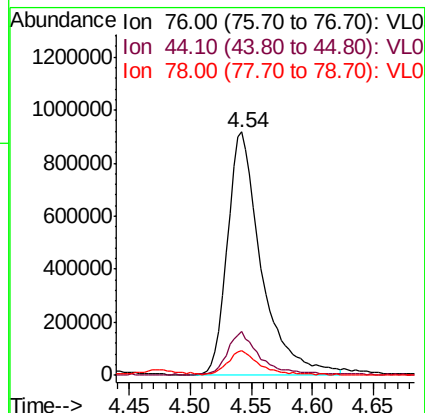
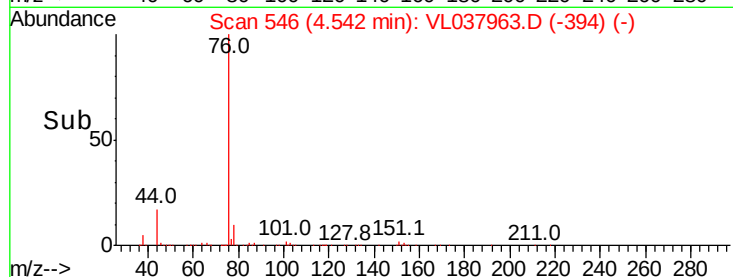
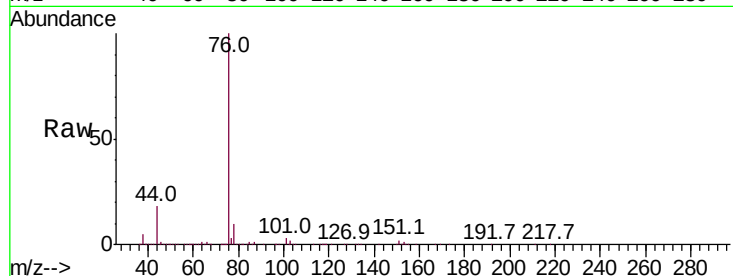
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34 VSTDCCC010

Tot Ion: 76 Resp: 1784860

Ion	Ratio	Lower	Upper
76	100		
44	17.8	13.2	19.8
78	10.3	7.2	10.8



#28

Methyl tert-Butyl Ether

Concen: 9.951 ppbv

RT: 5.02 min Scan# 695

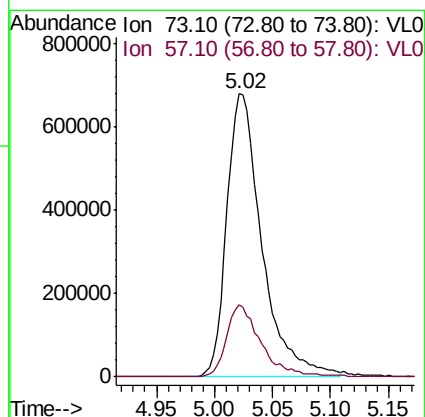
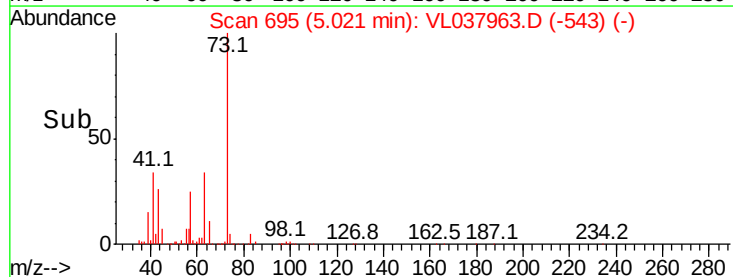
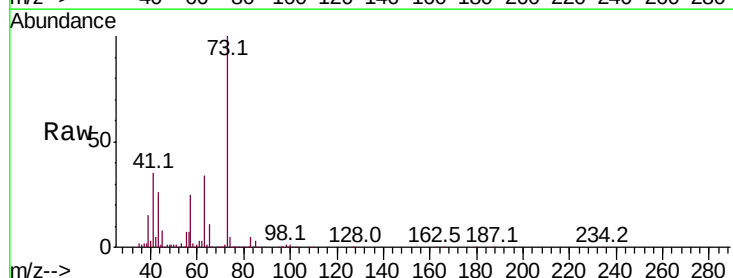
Delta R.T. -0.01 min

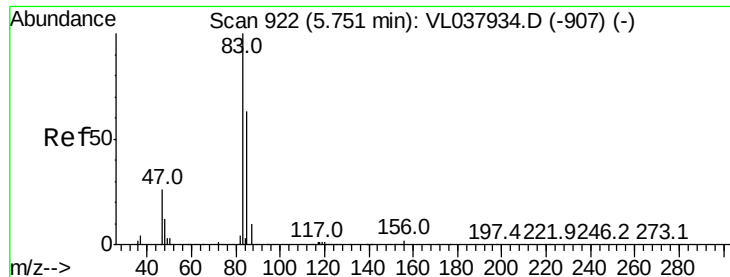
Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion: 73 Resp: 1425960

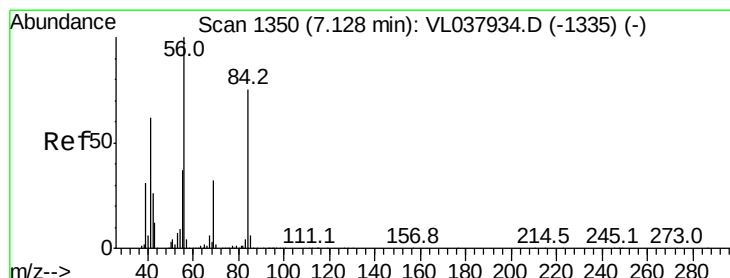
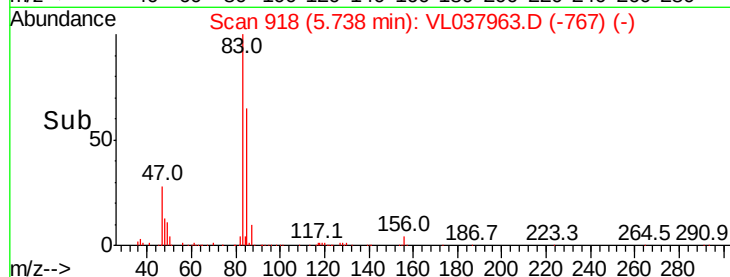
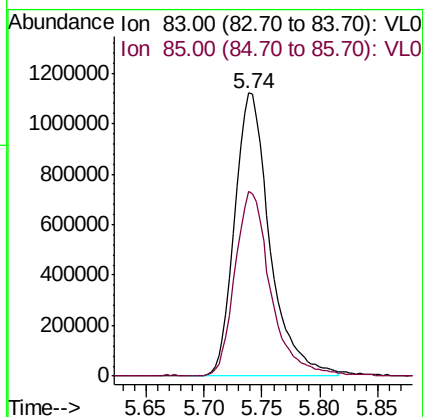
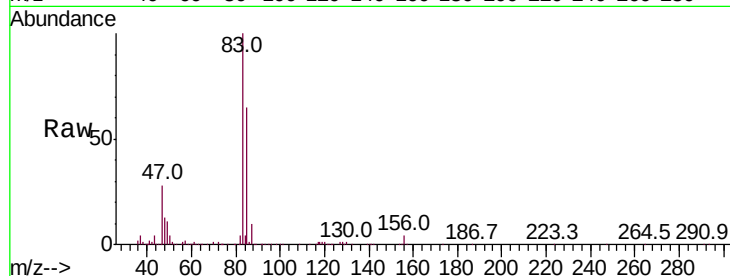
Ion	Ratio	Lower	Upper
73	100		
57	25.2	20.1	30.1





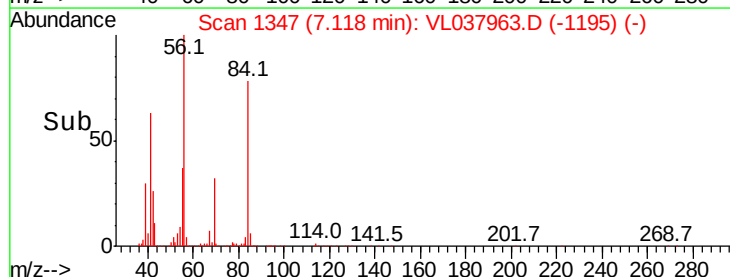
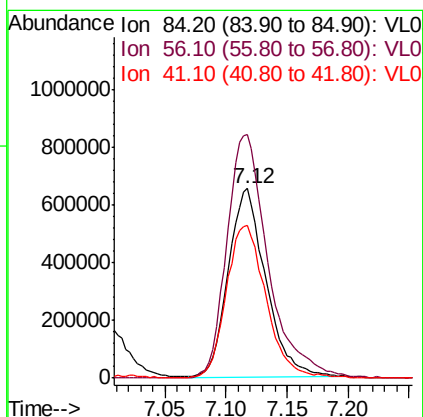
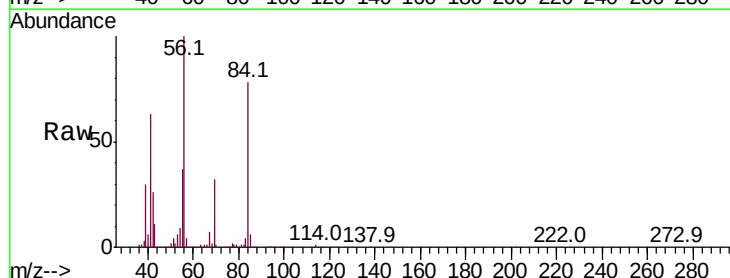
#29
Chloroform
Concen: 9.285 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Nov 2021 9:34

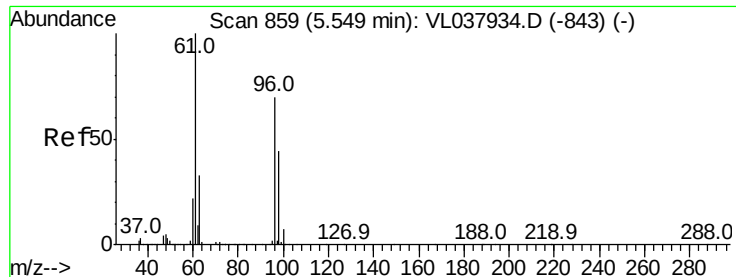
Tot Ion: 83 Resp: 2360109
Ion Ratio Lower Upper
83 100
85 64.8 50.6 76.0



#30
Cyclohexane
Concen: 9.597 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 84 Resp: 1398291
Ion Ratio Lower Upper
84 100
56 143.3 114.0 171.0
41 86.8 68.3 102.5





#31

cis-1,2-Dichloroethene

Concen: 10.113 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34 VSTDCCC010

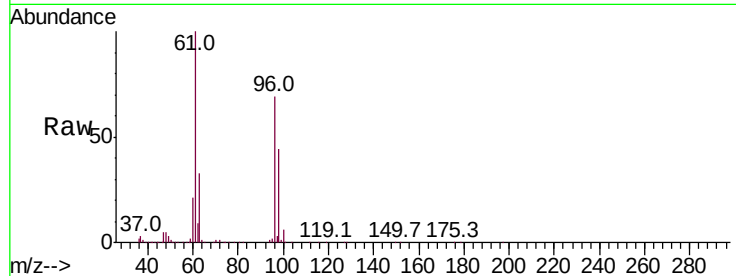
Tot Ion: 61 Resp: 1572684

Ion Ratio Lower Upper

61 100

96 68.9 55.6 83.4

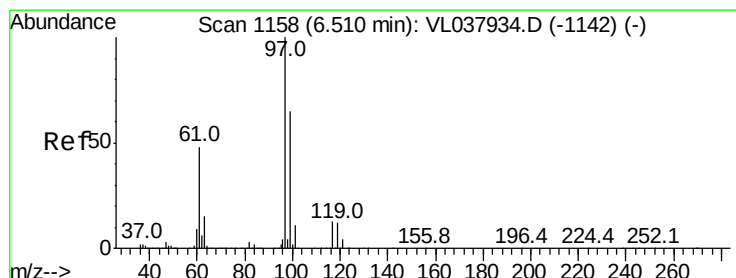
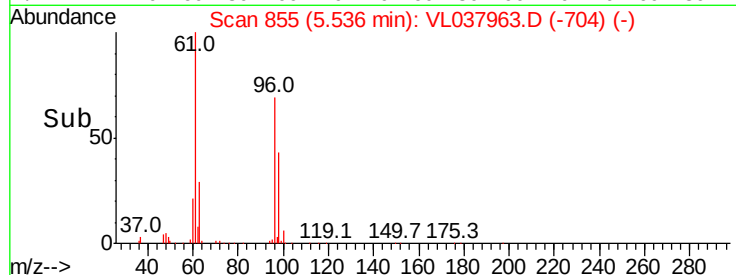
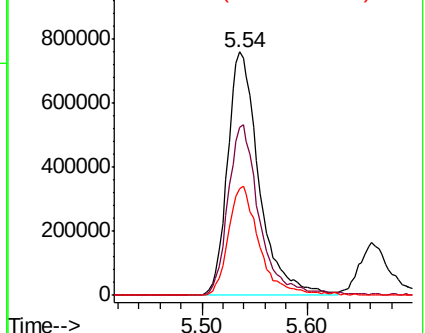
98 43.5 34.9 52.3



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: 8.980 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

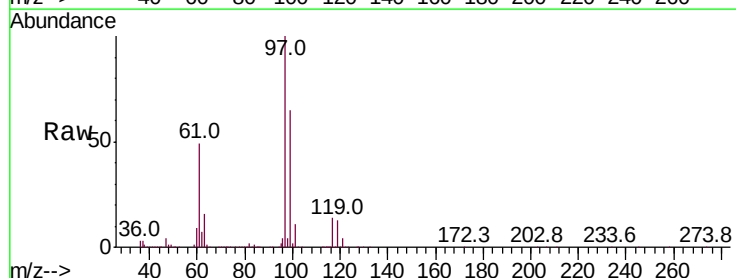
Tgt Ion: 97 Resp: 2243630

Ion Ratio Lower Upper

97 100

99 65.4 52.2 78.4

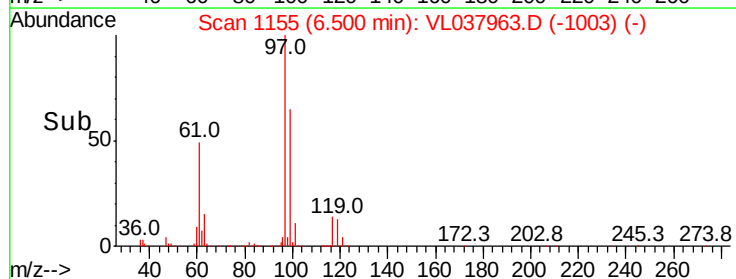
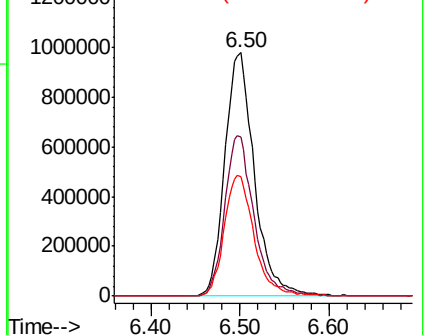
61 50.2 39.8 59.6

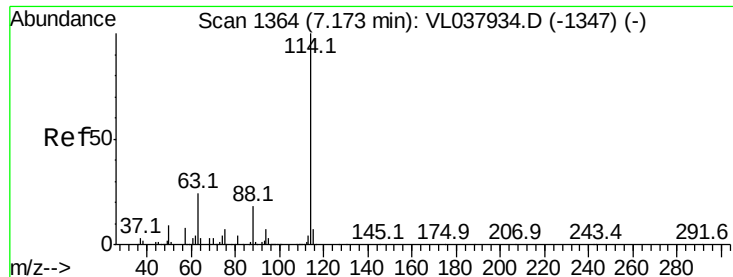


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.16

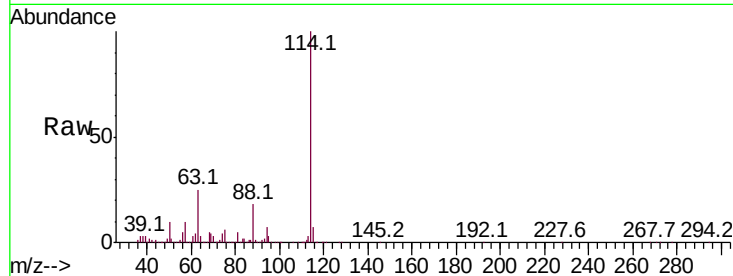
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34

Tot Ion:114 Resp: 4274492

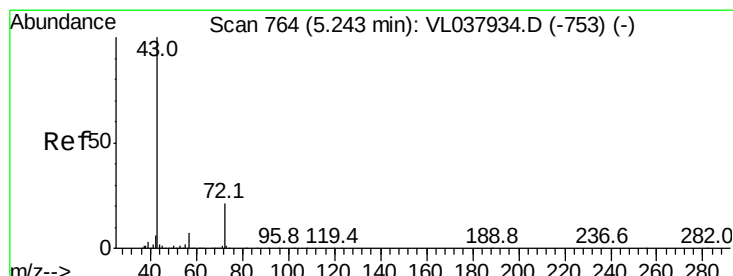
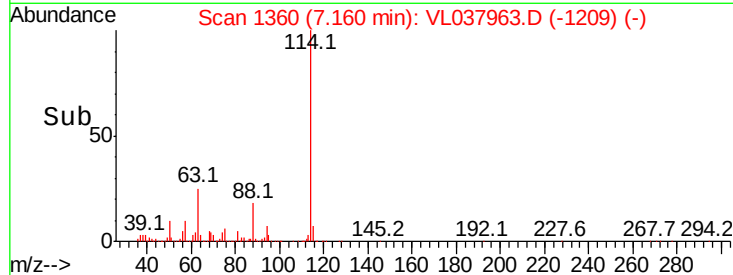
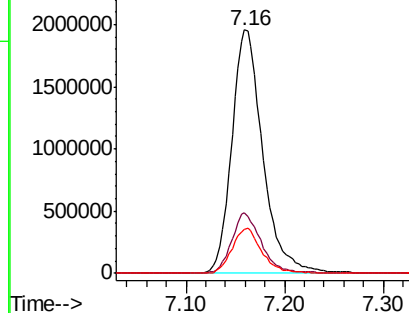
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.0
88	17.9	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.607 ppbv

RT: 5.23 min Scan# 761

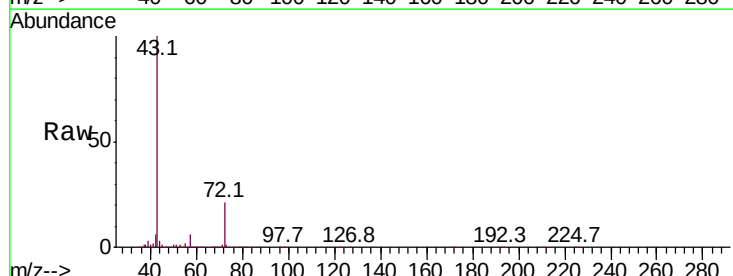
Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

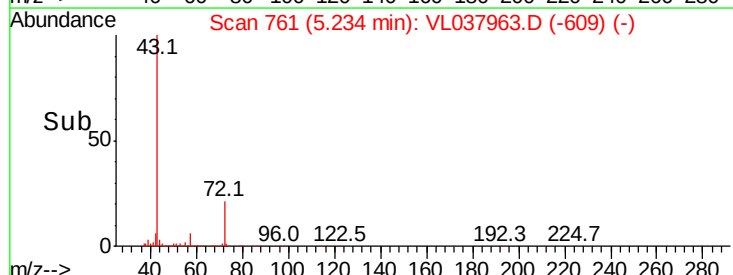
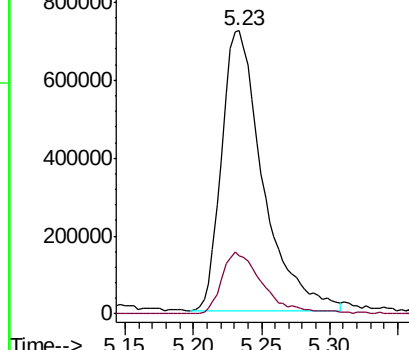
Tgt Ion: 43 Resp: 1521603

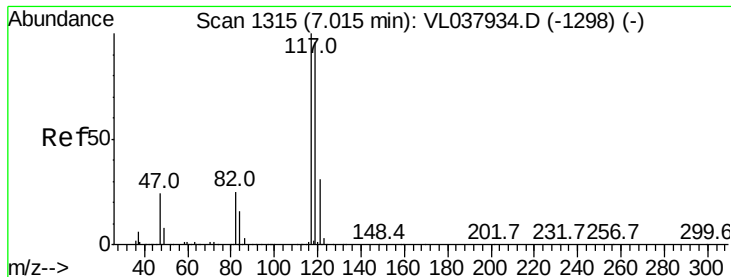
Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.3	27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

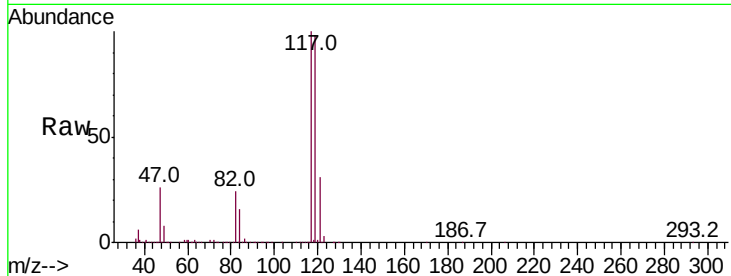
Ion 72.10 (71.80 to 72.80): VL0



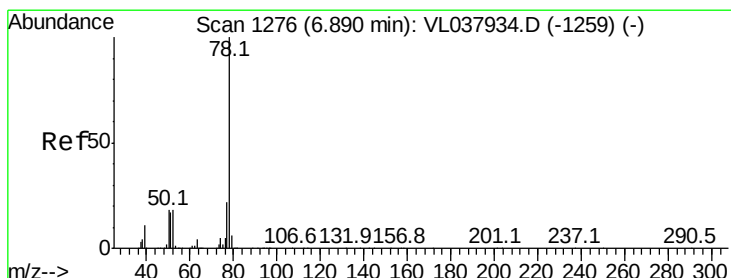
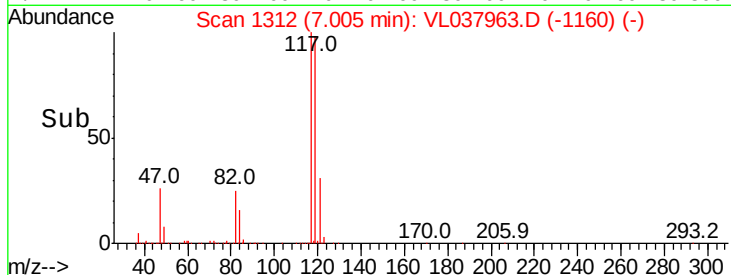
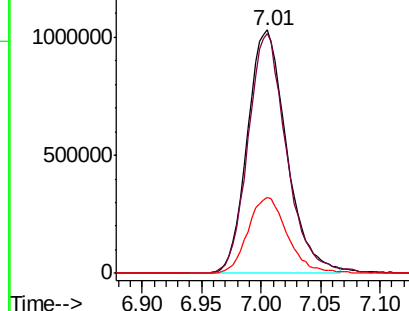


#35
Carbon Tetrachloride
Concen: 9.110 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Nov 2021 9:34

Tot Ion:117 Resp: 2354184
Ion Ratio Lower Upper
117 100
119 98.3 76.6 114.8
121 31.4 25.1 37.7

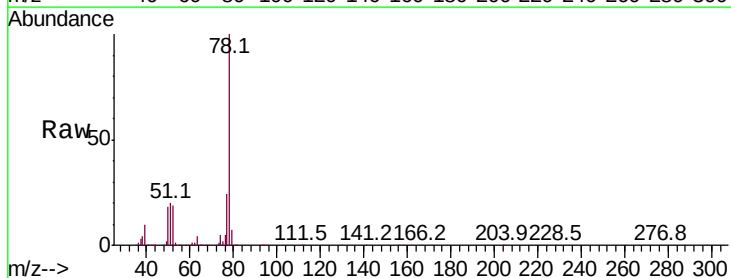


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

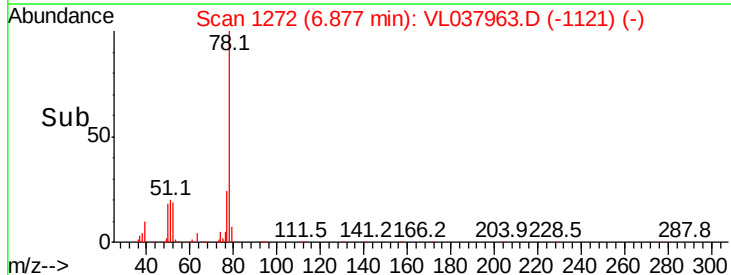
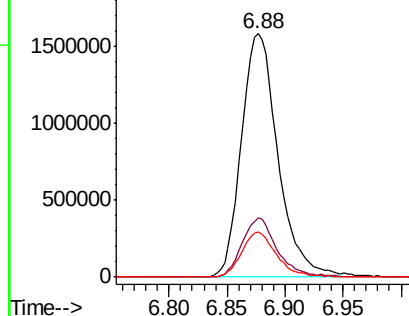


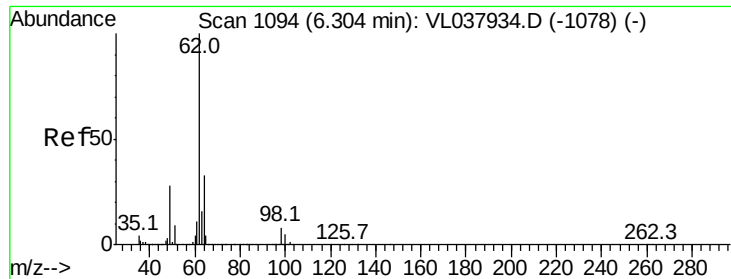
#36
Benzene
Concen: 9.980 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 78 Resp: 3473884
Ion Ratio Lower Upper
78 100
77 24.2 17.9 26.9
50 18.3 14.4 21.6



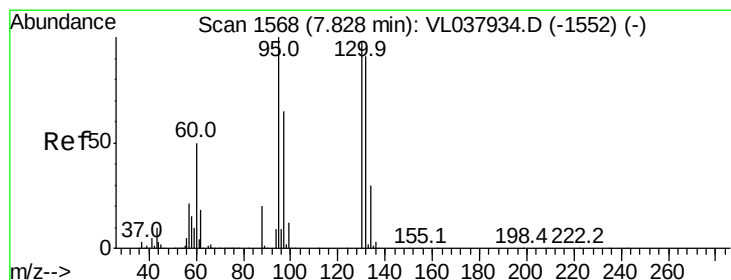
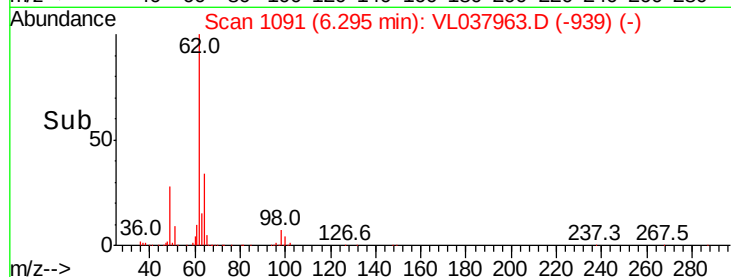
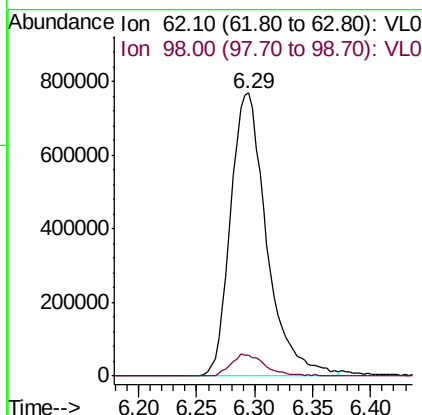
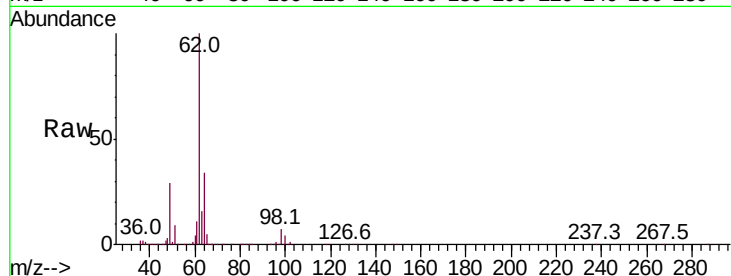
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





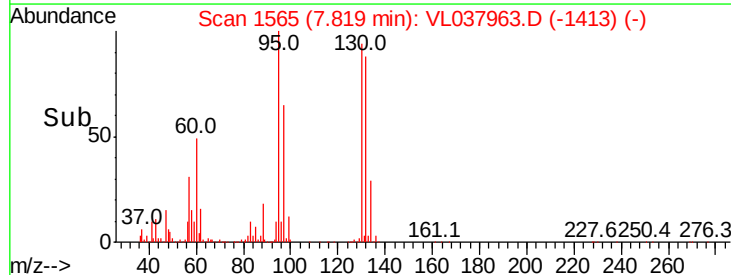
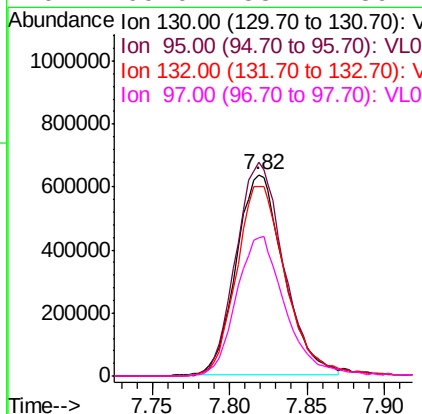
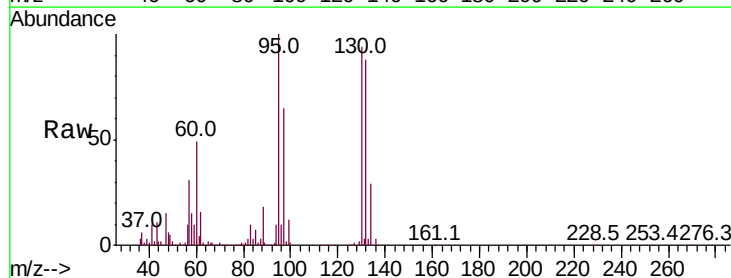
#37
 1,2-Dichloroethane
 Concen: 10.020 ppbv
 RT: 6.29
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 9:34

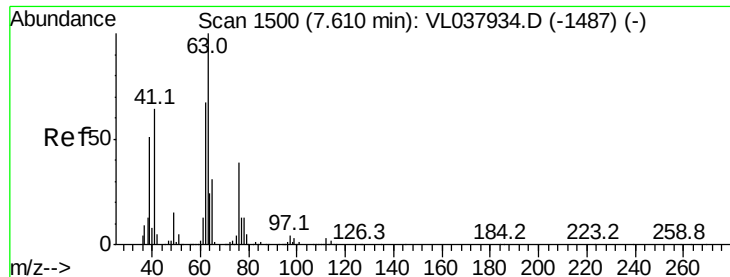
Tot Ion: 62 Resp: 1658208
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.5 9.7



#38
 Trichloroethene
 Concen: 9.491 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T.: -0.01 min
 Lab File: VL037963.D
 Acq: 2 Nov 2021 9:34

Tgt Ion: 130 Resp: 1371258
 Ion Ratio Lower Upper
 130 100
 95 106.1 81.8 122.8
 132 94.0 74.2 111.2
 97 69.0 53.4 80.2





#39

1,2-Dichloropropane

Concen: 10.258 ppbv

RT: 7.60 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34

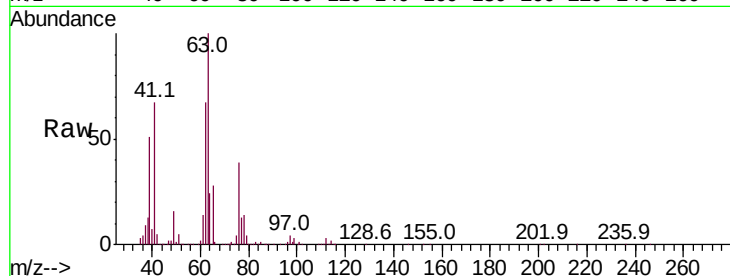
Tot Ion: 63 Resp: 1343529

Ion Ratio Lower Upper

63 100

41 66.5 51.6 77.4

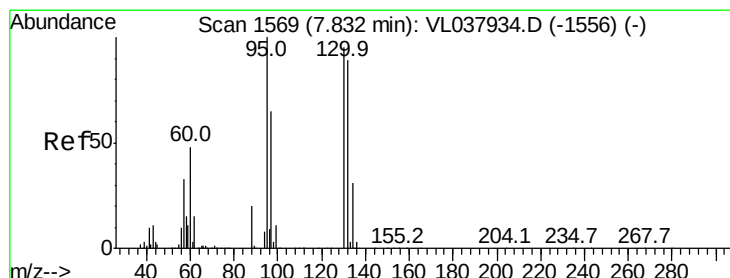
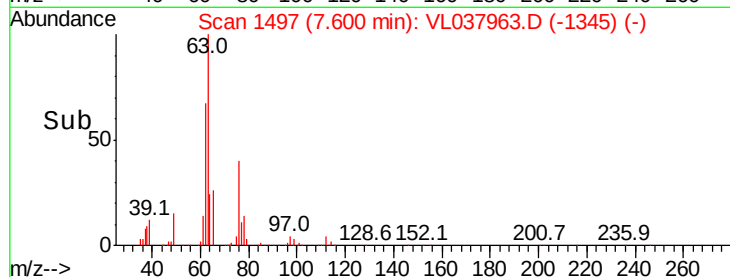
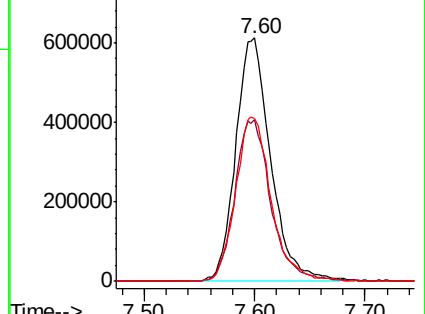
62 66.9 53.5 80.3



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: 8.552 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion: 88 Resp: 294987

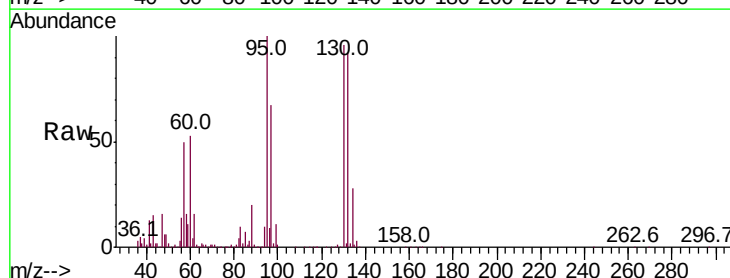
Ion Ratio Lower Upper

88 100

58 0.0 129.1 193.7#

43 0.0 313.2 469.8#

57 0.0 1408.6 2112.8#

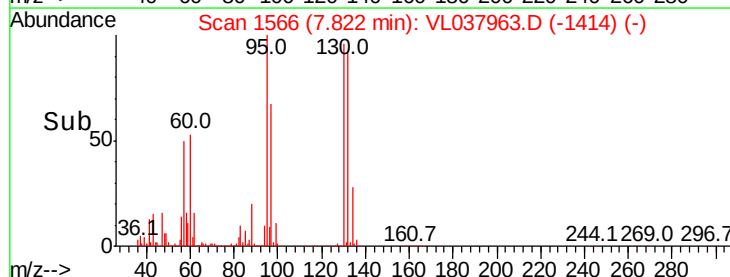
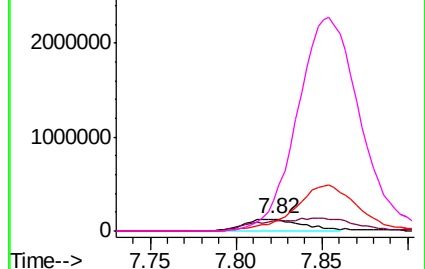


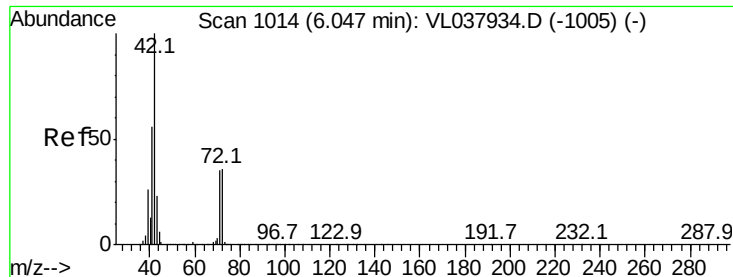
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.706 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 2 Nov 2021 9:34

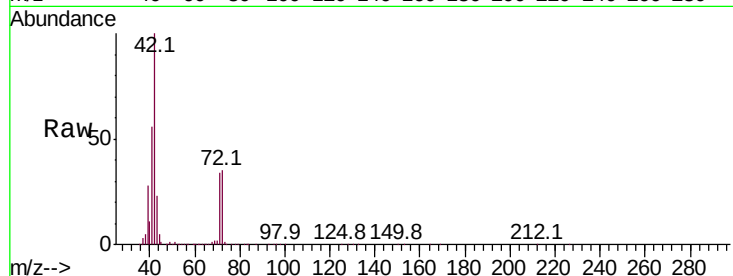
Tot Ion: 42 Resp: 829677

Ion Ratio Lower Upper

42 100

72 38.4 31.5 47.3

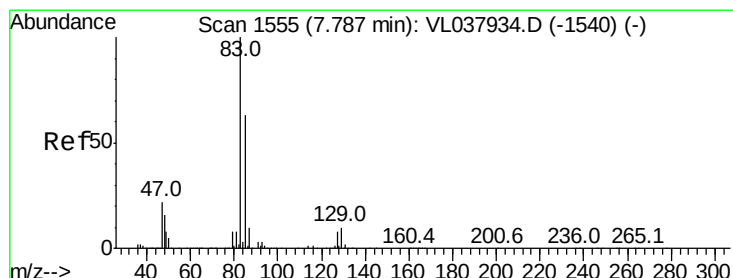
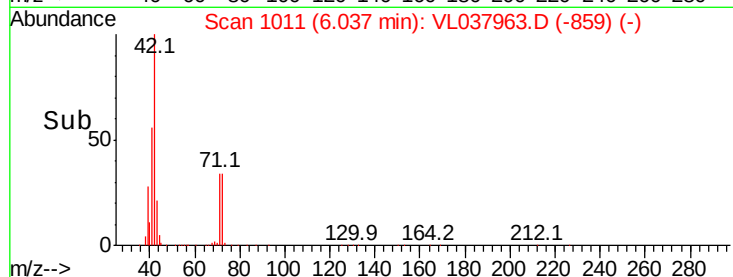
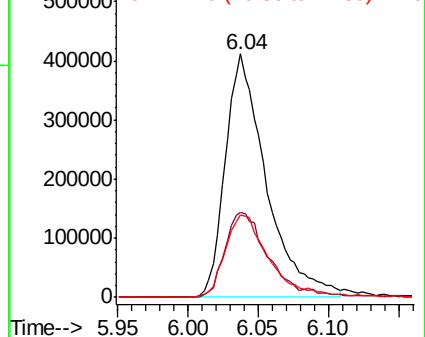
71 37.1 30.5 45.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.685 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

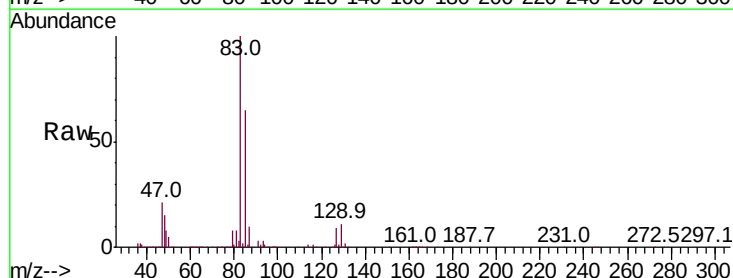
Tgt Ion: 83 Resp: 2423399

Ion Ratio Lower Upper

83 100

85 64.7 50.1 75.1

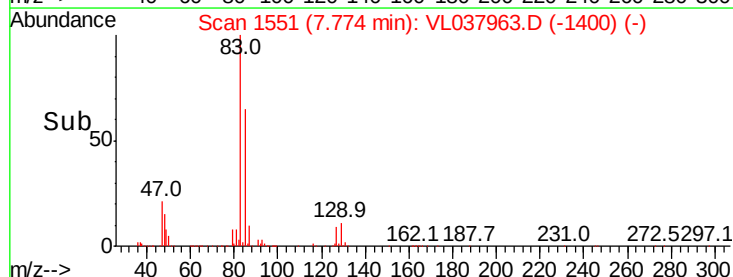
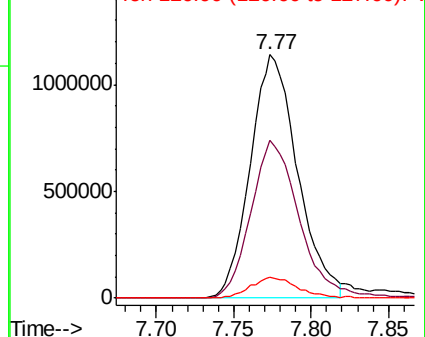
127 8.6 6.1 9.1

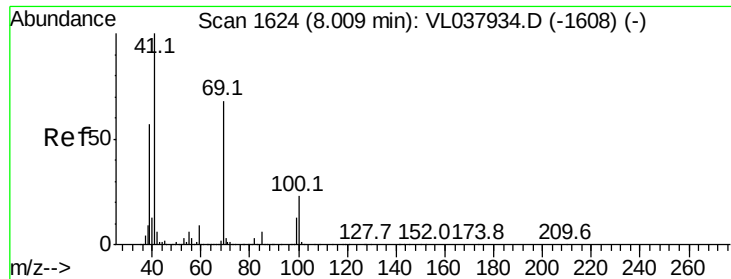


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0





#43

Methyl Methacrylate

Concen: 11.098 ppbv

RT: 8.00

Instrument: MSVOA_1

Delta R.T.

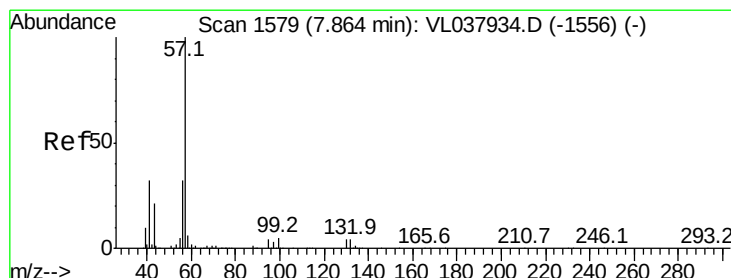
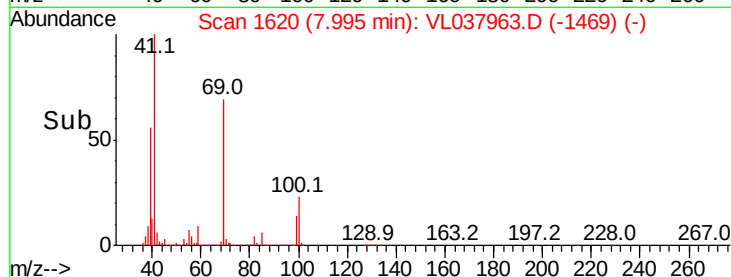
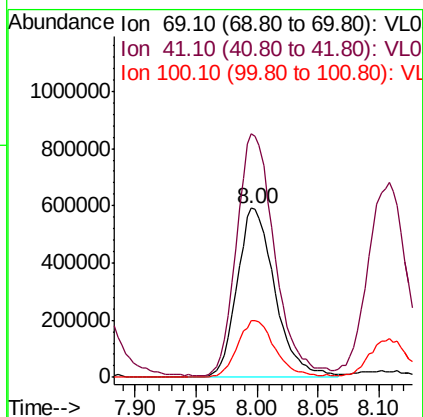
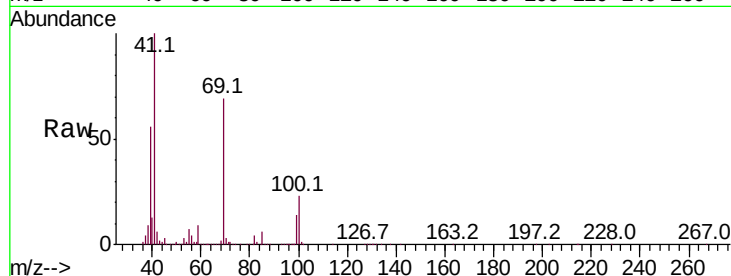
Client Sample Id:

Lab File: VSTDCCC010

Acq: 2 Nov 2021 9:34

Tot Ion: 69 Resp: 1268025

Ion	Ratio	Lower	Upper
69	100		
41	145.9	117.4	176.2
100	33.6	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.889 ppbv

RT: 7.85 min Scan# 1576

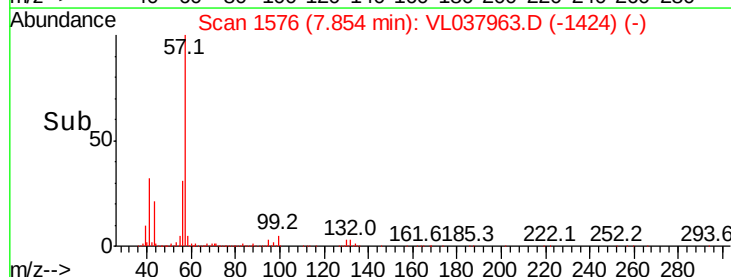
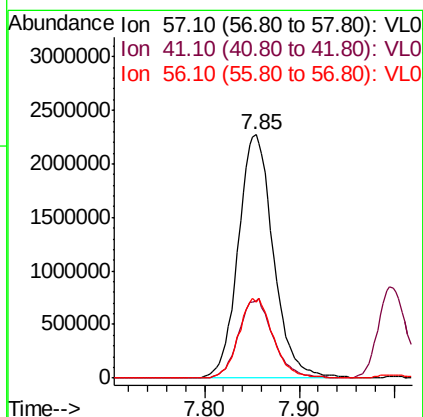
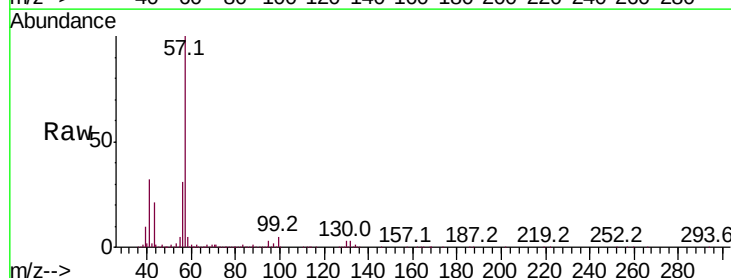
Delta R.T. -0.01 min

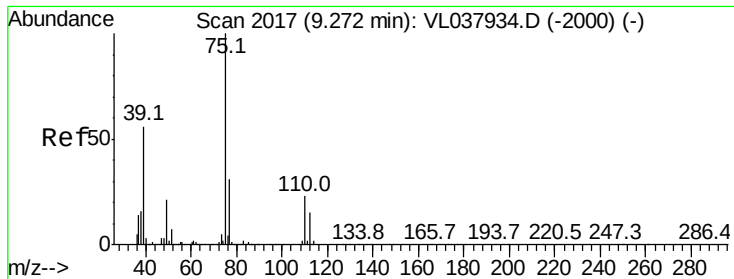
Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion: 57 Resp: 5855136

Ion	Ratio	Lower	Upper
57	100		
41	32.2	25.8	38.8
56	32.2	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 12.194 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

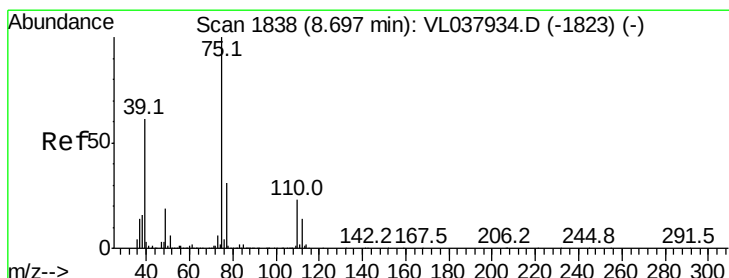
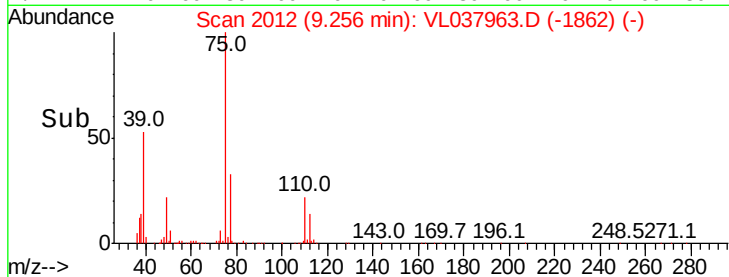
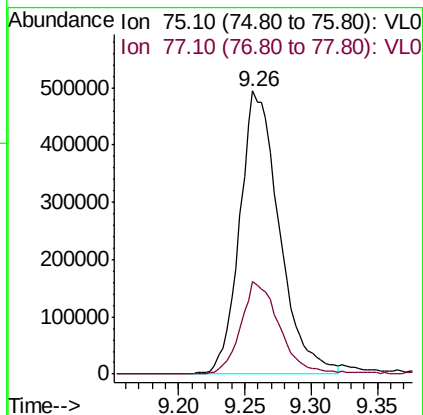
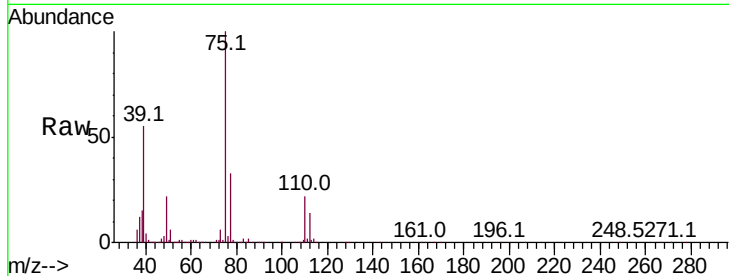
Acq: 2 Nov 2021 9:34 VSTDCCC010

Tot Ion: 75 Resp: 1023733

Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8



#46

cis-1,3-Dichloropropene

Concen: 11.836 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

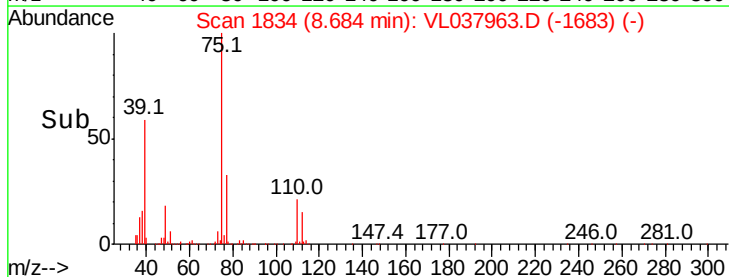
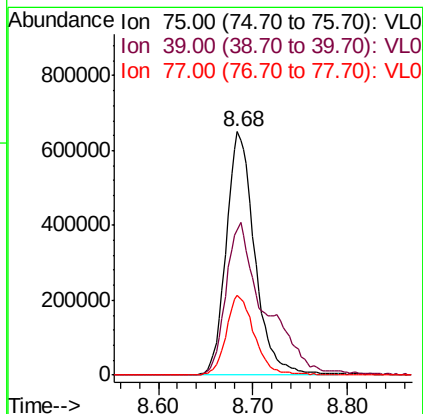
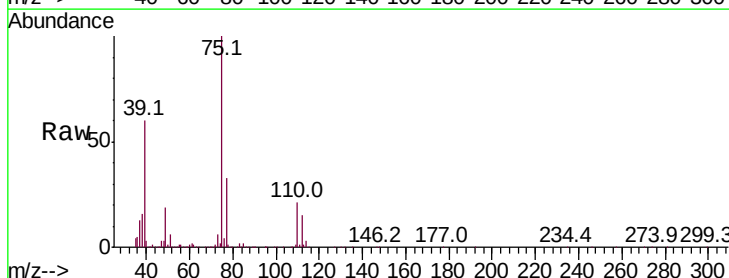
Tgt Ion: 75 Resp: 1366222

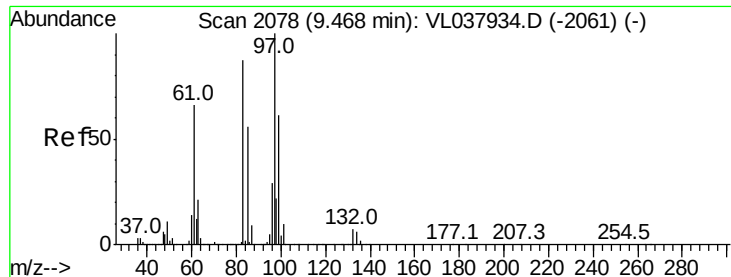
Ion Ratio Lower Upper

75 100

39 59.5 48.8 73.2

77 32.7 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 9.599 ppbv

RT: 9.46 Instrument:

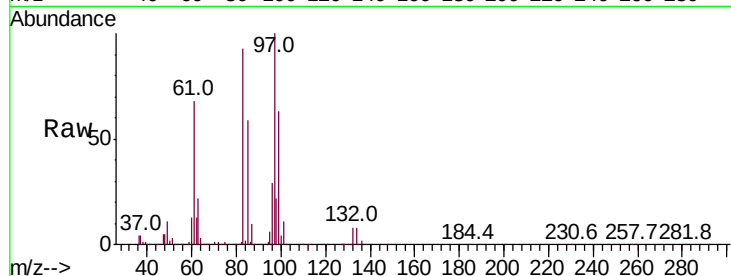
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34 VSTDCCC010

Tot Ion: 97 Resp: 1412544

Ion	Ratio	Lower	Upper
97	100		
83	92.7	69.4	104.2
85	59.4	45.0	67.6
99	62.5	48.7	73.1

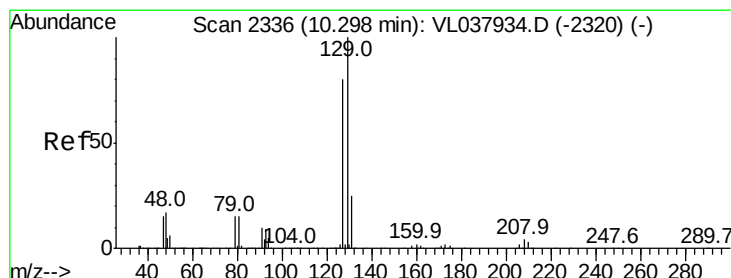
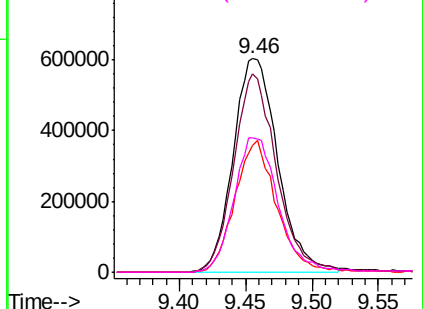
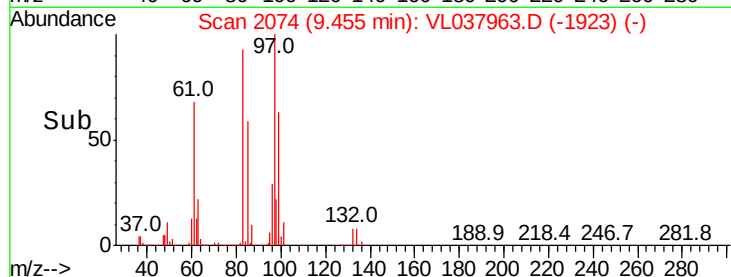


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.489 ppbv

RT: 10.28 min Scan# 2331

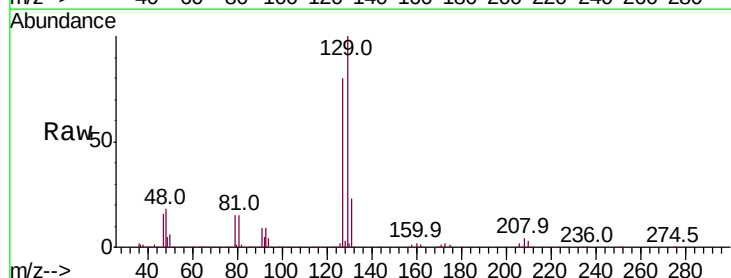
Delta R.T. -0.02 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

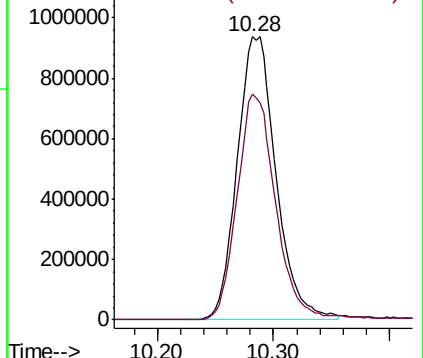
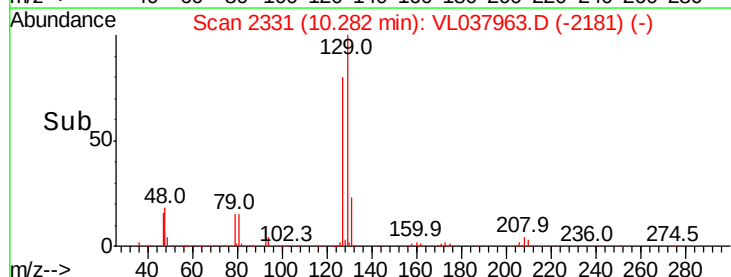
Tgt Ion: 129 Resp: 2185333

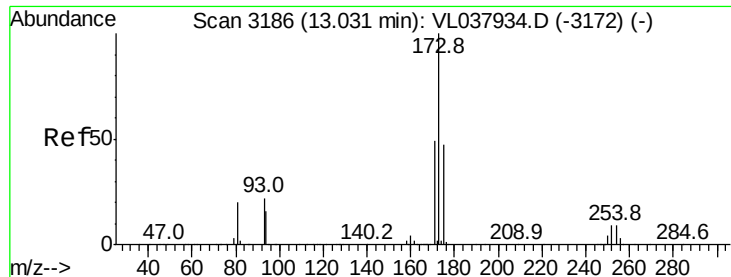
Ion	Ratio	Lower	Upper
129	100		
127	79.5	40.3	120.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.825 ppbv

RT: 13.02

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 2 Nov 2021 9:34

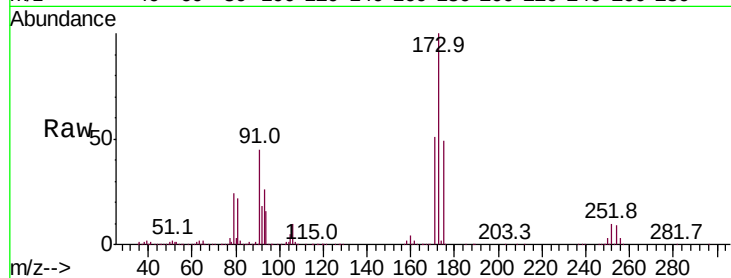
Tot Ion:173 Resp: 1782879

Ion Ratio Lower Upper

173 100

175 49.7 39.5 59.3

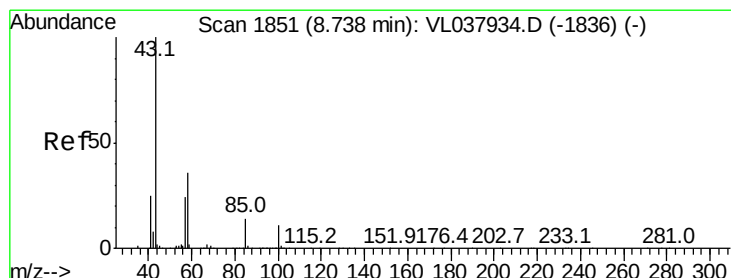
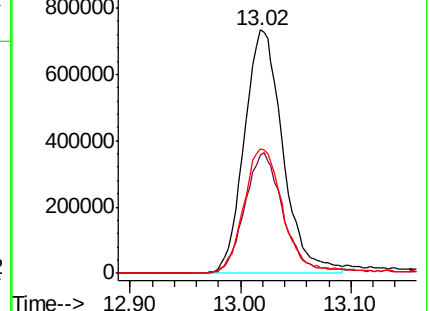
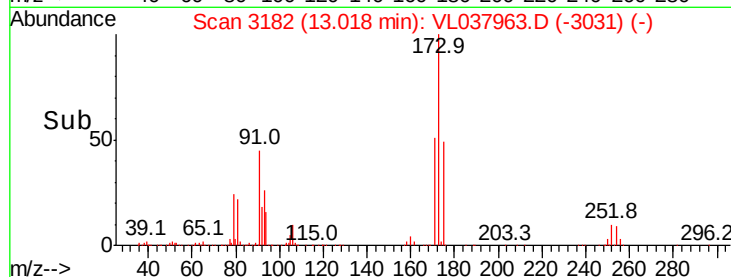
171 53.9 43.6 65.4



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: 10.770 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL037963.D

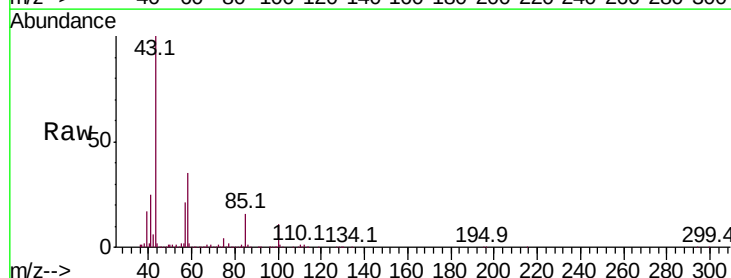
Acq: 2 Nov 2021 9:34

Tgt Ion: 43 Resp: 2241349

Ion Ratio Lower Upper

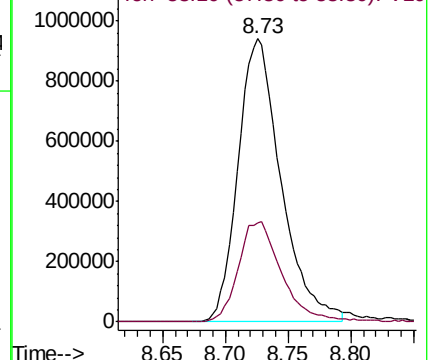
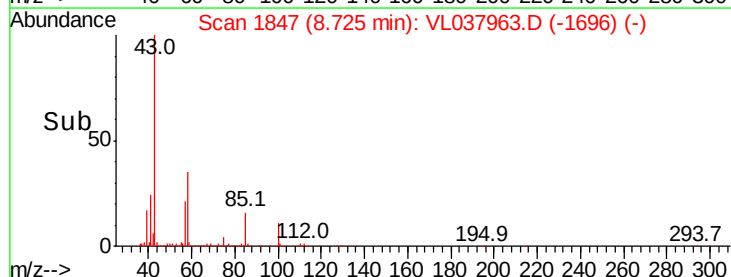
43 100

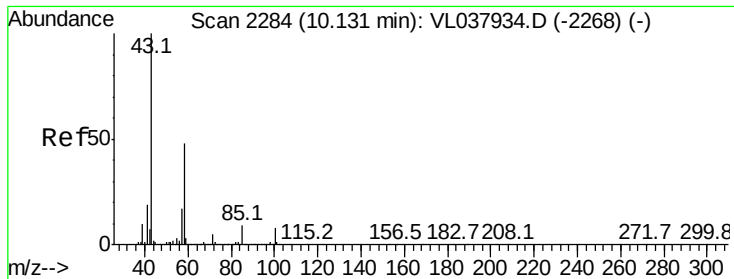
58 36.1 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

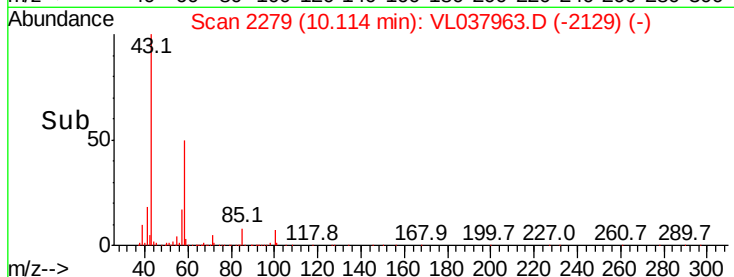
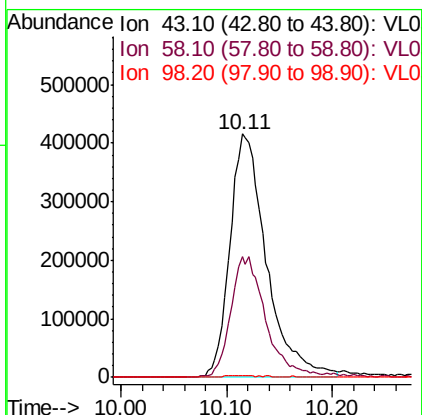
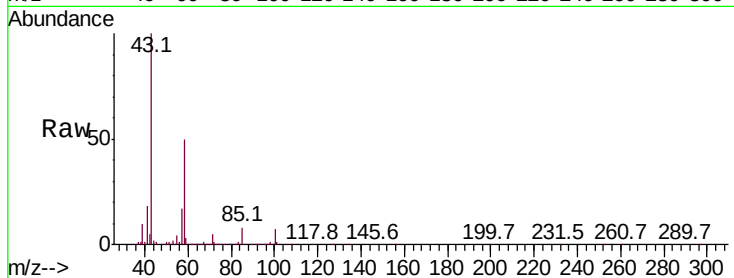
Ion 58.10 (57.80 to 58.80): VL0





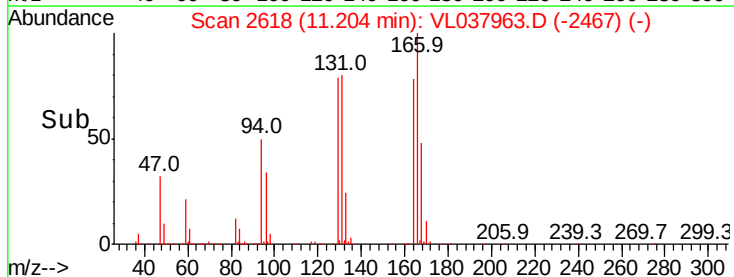
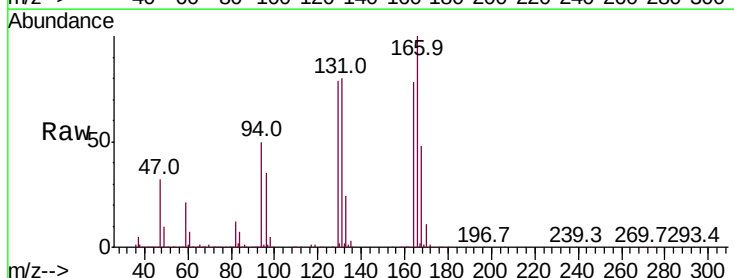
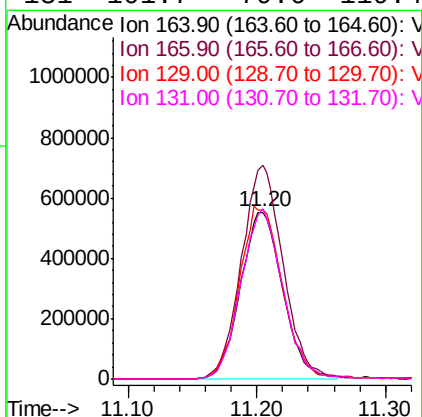
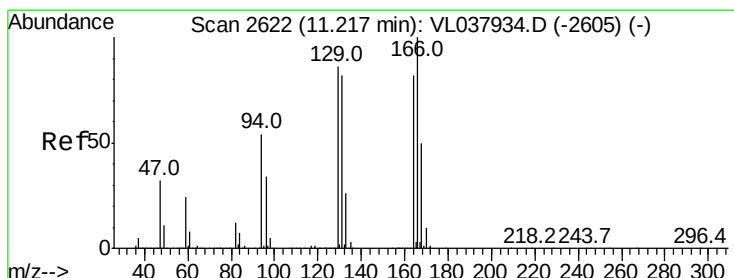
#51
2-Hexanone
Concen: 11.376 ppbv
RT: 10.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 9:34

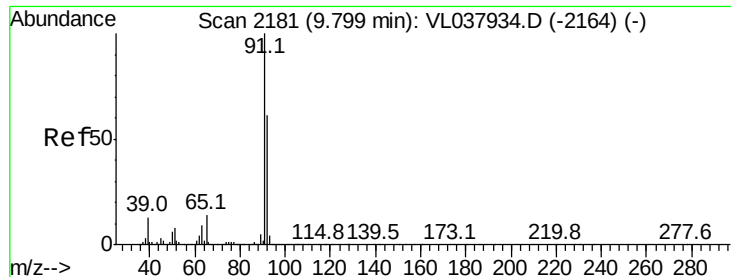
Tot Ion: 43 Resp: 997803
Ion Ratio Lower Upper
43 100
58 48.5 38.6 57.8
98 0.9 1.0 1.4#



#52
Tetrachloroethene
Concen: 9.527 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 164 Resp: 1258010
Ion Ratio Lower Upper
164 100
166 127.9 97.6 146.4
129 100.8 84.2 126.2
131 101.7 79.6 119.4





#53

Toluene

Concen: 10.757 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010

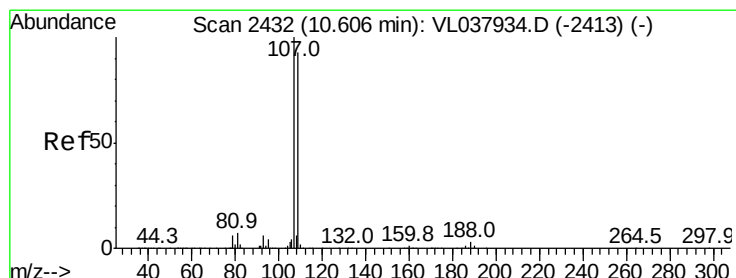
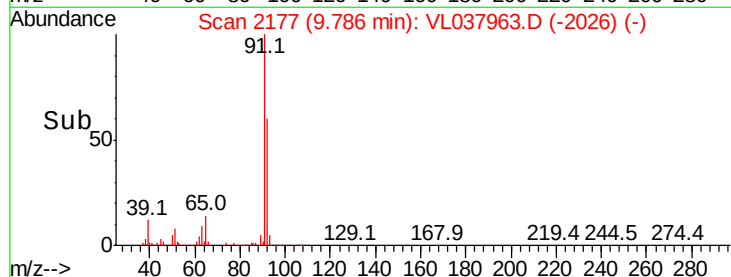
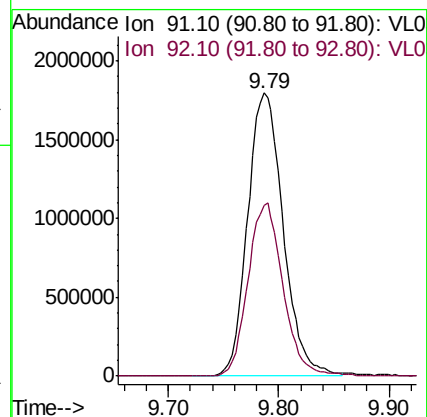
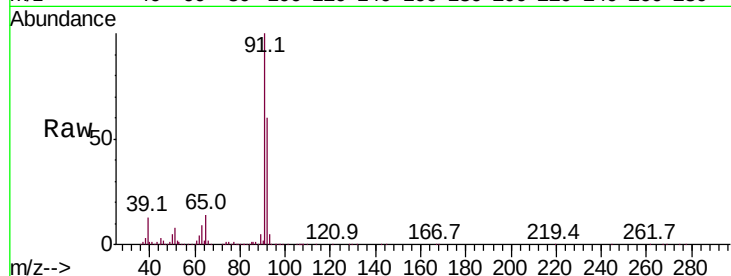
Acq: 2 Nov 2021 9:34

Tot Ion: 91 Resp: 4014218

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.4



#54

1,2-Dibromoethane

Concen: 10.512 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.01 min

Lab File: VL037963.D

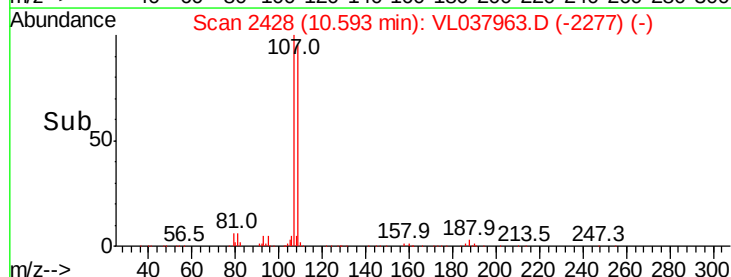
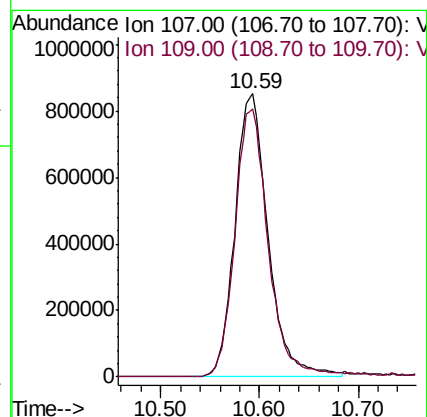
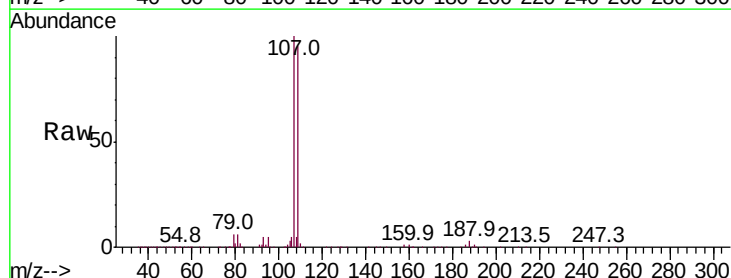
Acq: 2 Nov 2021 9:34

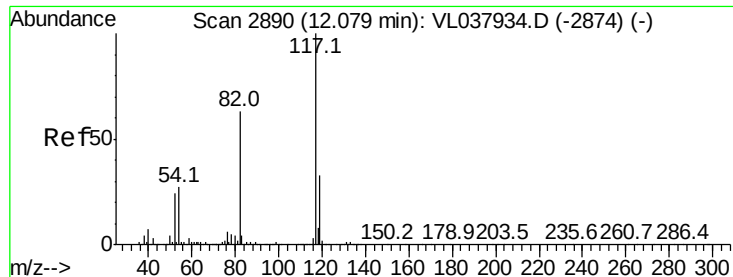
Tgt Ion: 107 Resp: 1995107

Ion Ratio Lower Upper

107 100

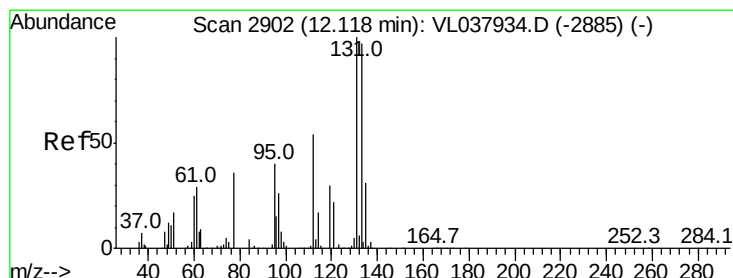
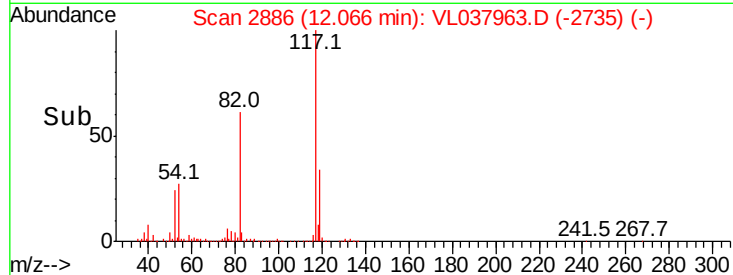
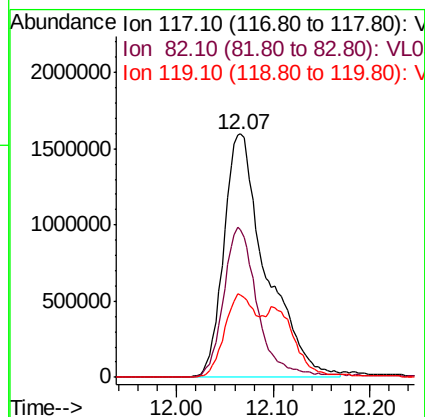
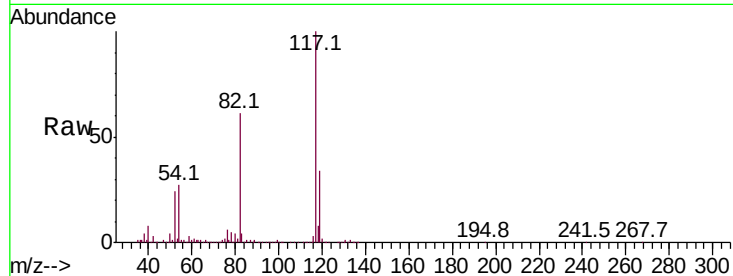
109 94.8 74.5 111.7





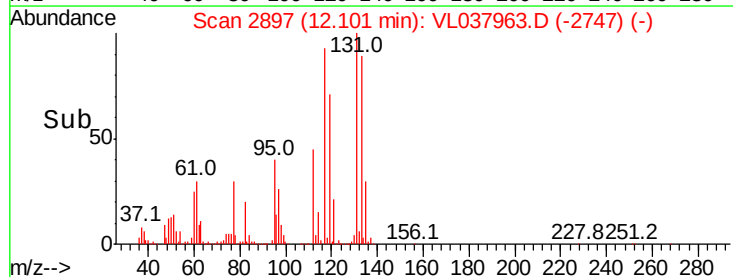
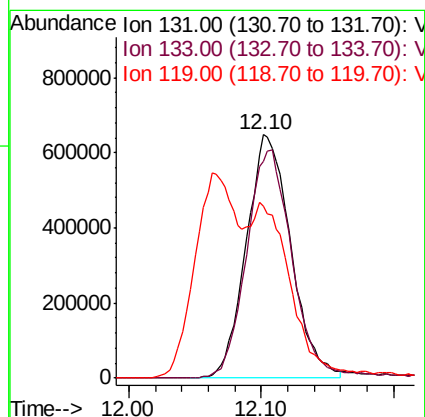
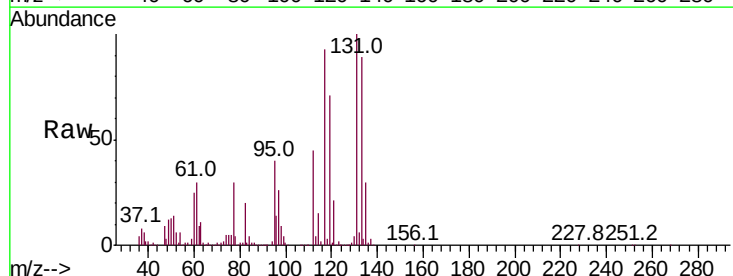
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 2 Nov 2021 9:34

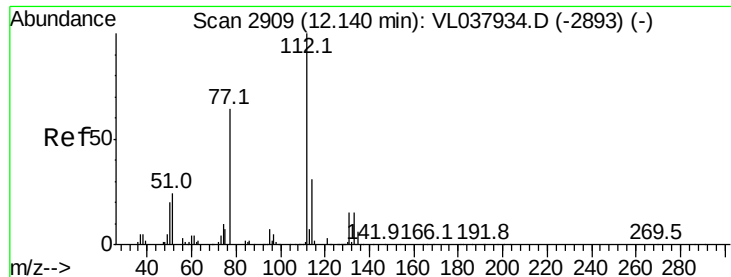
Tot Ion:117 Resp: 4823108
Ion Ratio Lower Upper
117 100
82 51.4 51.0 76.6
119 48.2 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.762 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion:131 Resp: 1511486
Ion Ratio Lower Upper
131 100
133 97.9 79.6 119.4
119 153.9 125.4 188.2





#57

Chlorobenzene

Concen: 7.606 ppbv

RT: 12.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34

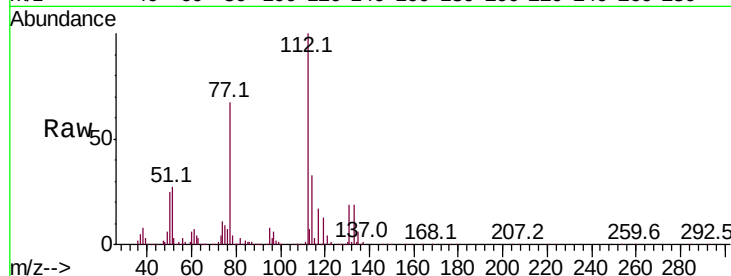
Tot Ion:112 Resp: 2927897

Ion Ratio Lower Upper

112 100

77 65.7 51.1 76.7

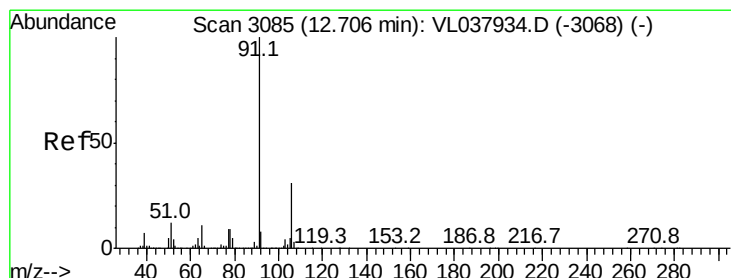
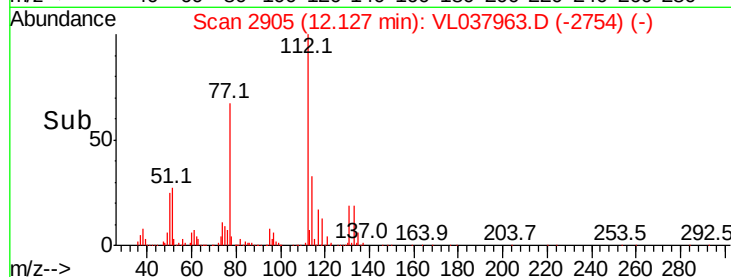
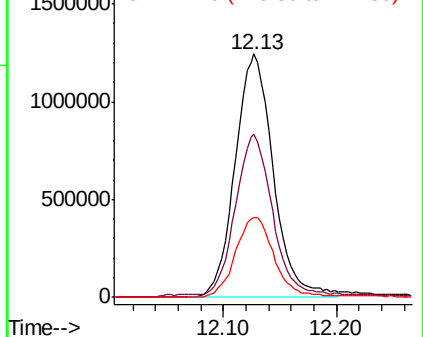
114 32.9 27.9 34.1



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: 8.574 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.02 min

Lab File: VL037963.D

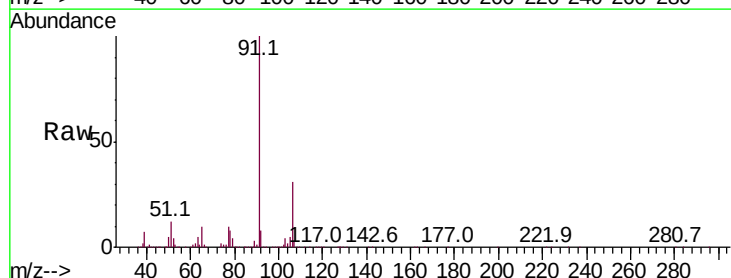
Acq: 2 Nov 2021 9:34

Tgt Ion: 91 Resp: 5057417

Ion Ratio Lower Upper

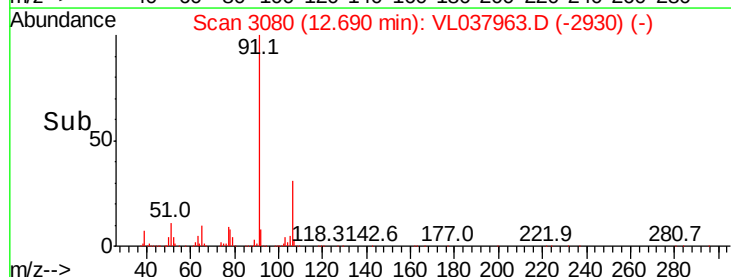
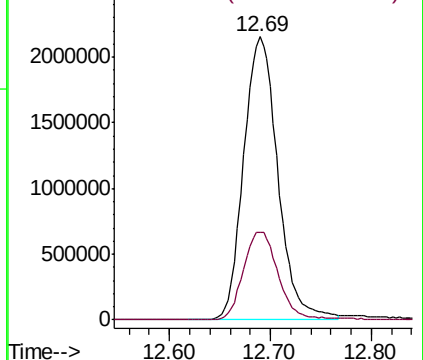
91 100

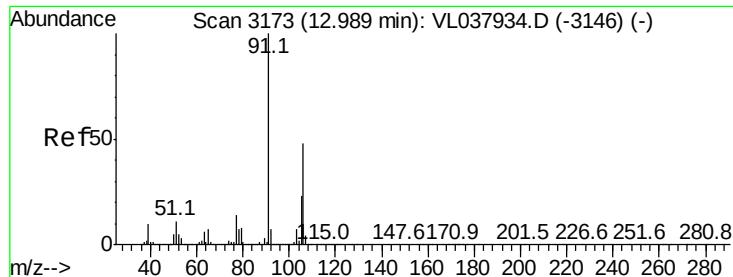
106 31.0 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

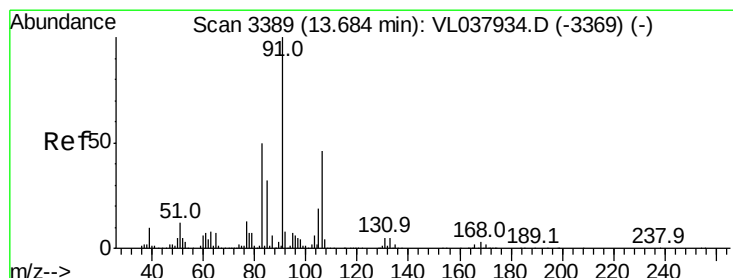
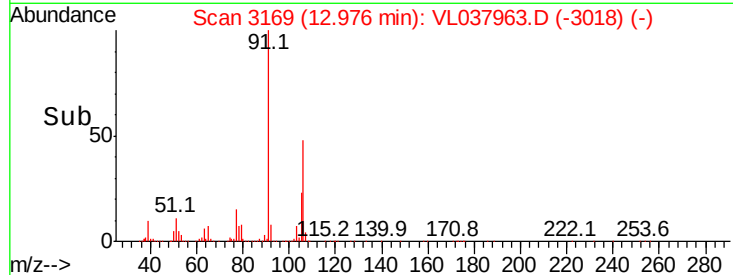
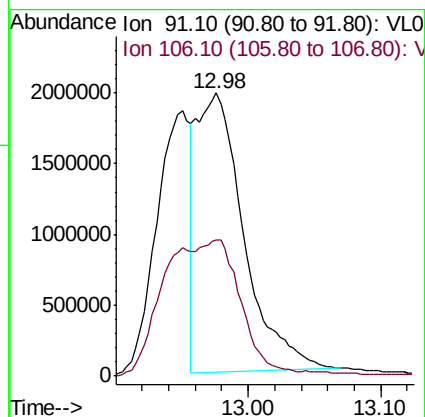
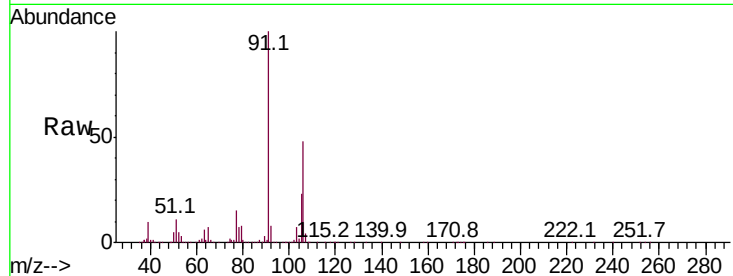
Ion 106.10 (105.80 to 106.80): V





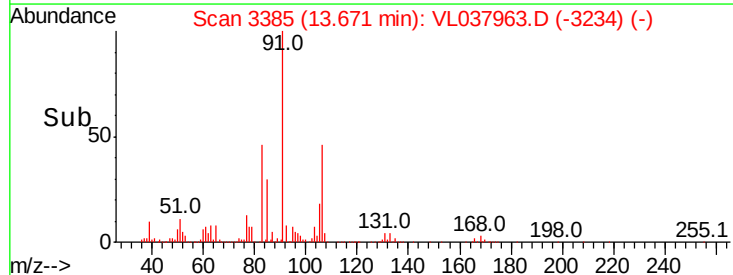
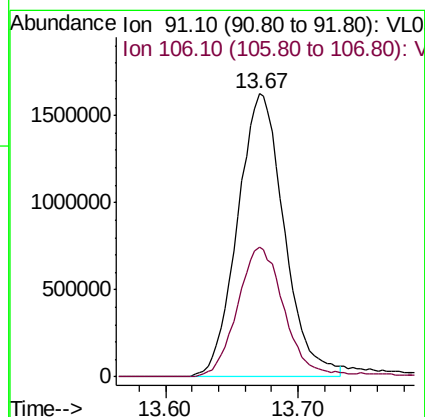
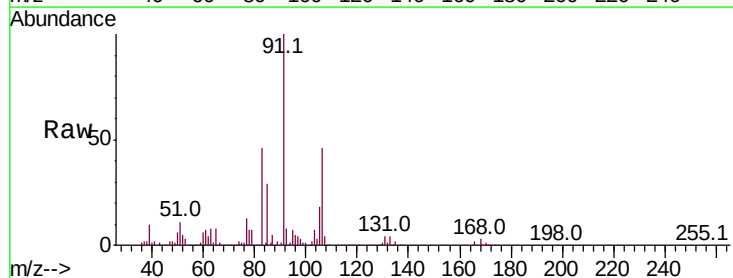
#59
m/p-Xylene
Concen: 9.277 ppbv
RT: 12.98 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 2 Nov 2021 9:34

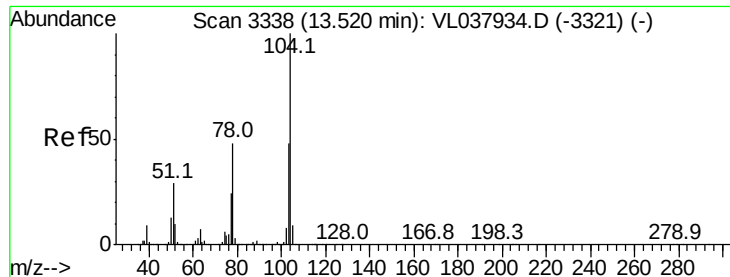
Tot Ion: 91 Resp: 4863211
Ion Ratio Lower Upper
91 100
106 82.0 37.1 55.7#



#60
o-Xylene
Concen: 7.988 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

Tgt Ion: 91 Resp: 3948168
Ion Ratio Lower Upper
91 100
106 48.0 23.5 70.6





#61

Stvrene

Concen: 9.764 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34

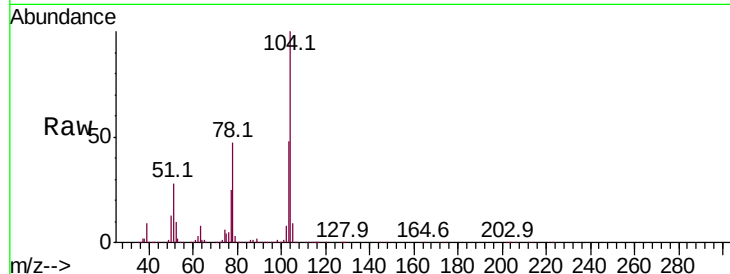
Tot Ion:104 Resp: 2216394

Ion Ratio Lower Upper

104 100

78 49.3 39.3 58.9

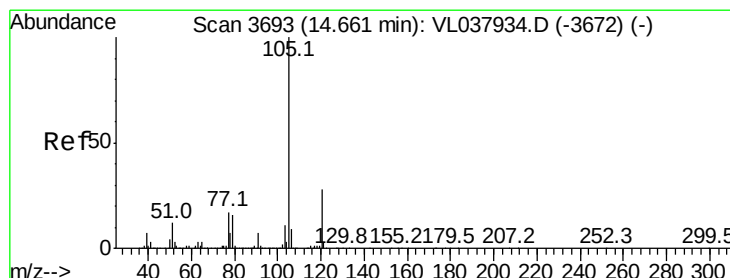
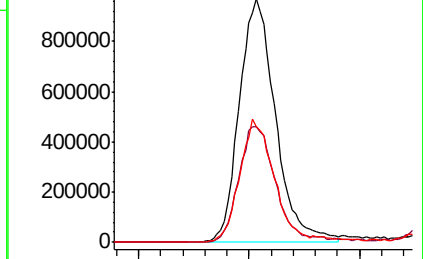
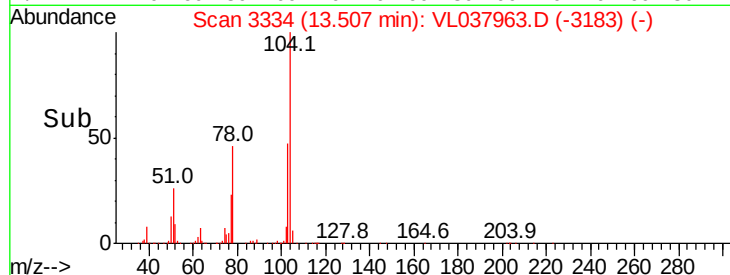
103 49.1 39.6 59.4



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: 7.822 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL037963.D

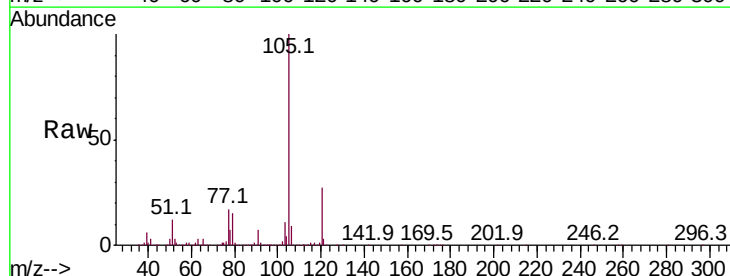
Acq: 2 Nov 2021 9:34

Tgt Ion:105 Resp: 5474386

Ion Ratio Lower Upper

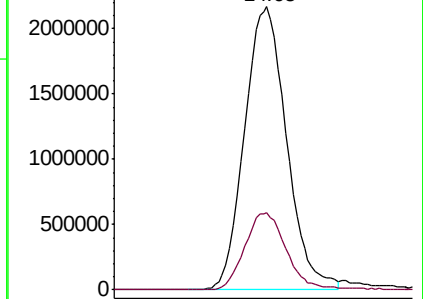
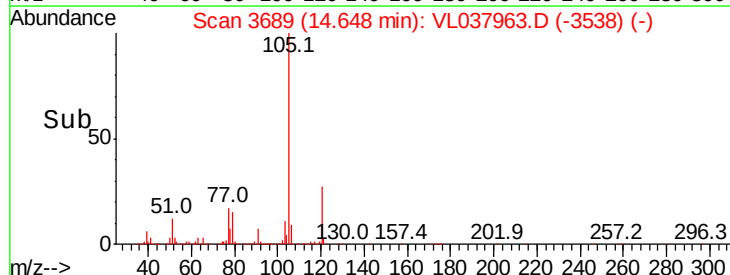
105 100

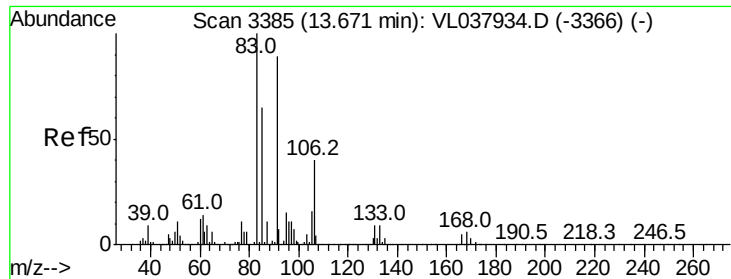
120 27.4 21.8 32.6



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: 6.790 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Nov 2021 9:34

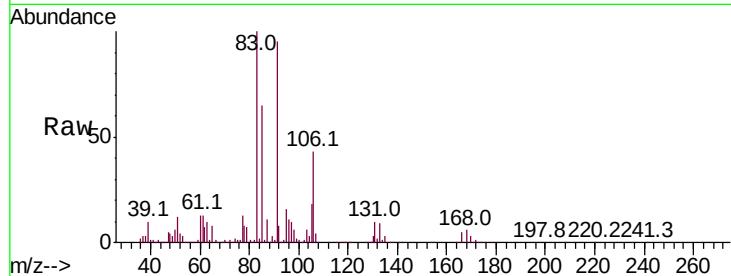
Tot Ion: 83 Resp: 2888531

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

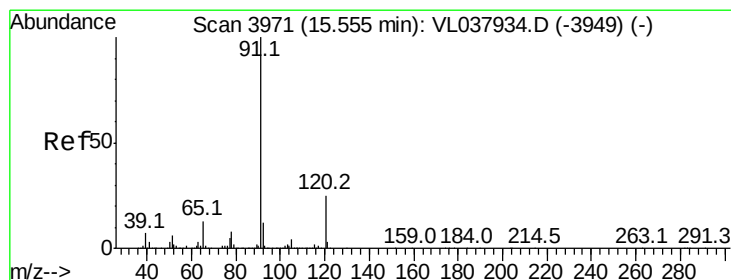
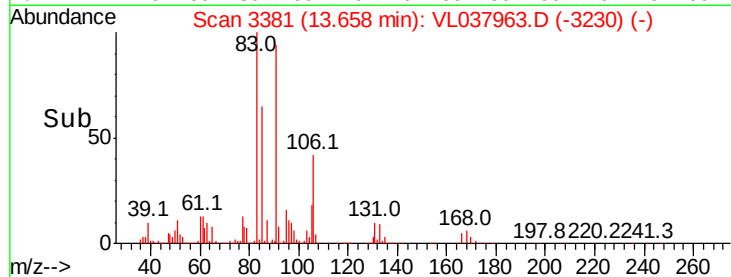
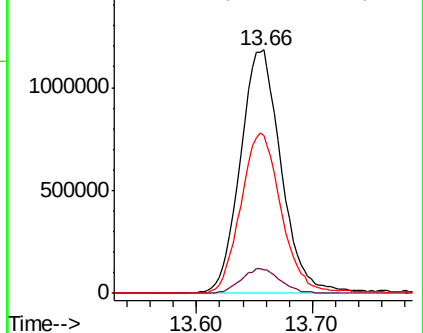
85 66.1 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.190 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.01 min

Lab File: VL037963.D

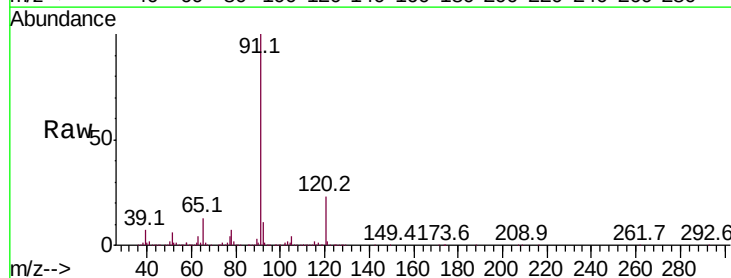
Acq: 2 Nov 2021 9:34

Tgt Ion: 120 Resp: 1468632

Ion Ratio Lower Upper

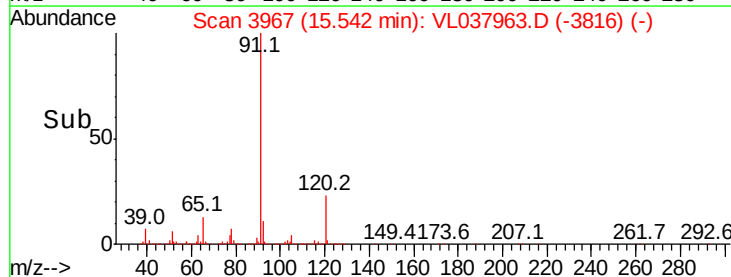
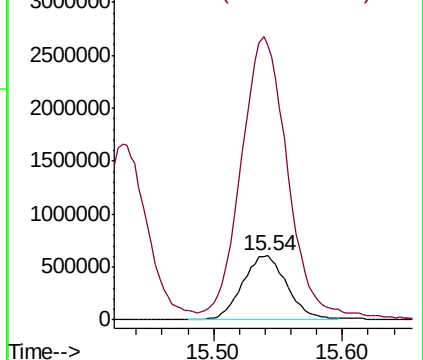
120 100

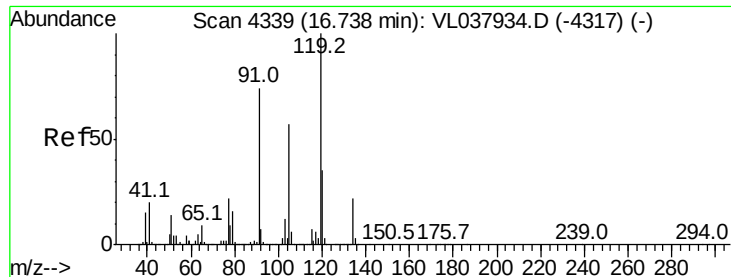
91 462.9 363.3 544.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

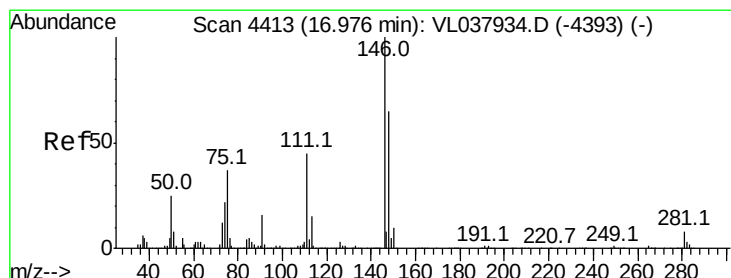
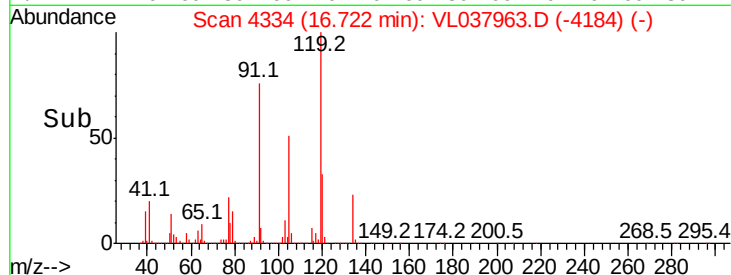
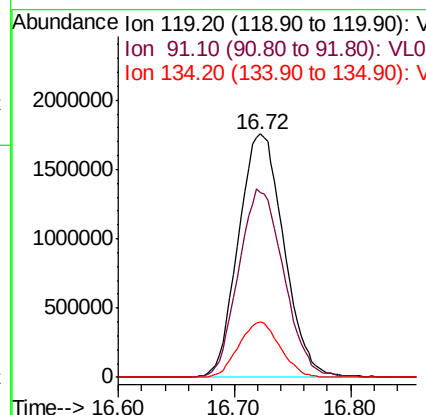
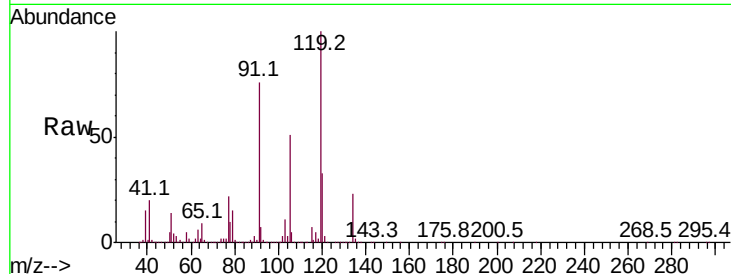
Ion 91.10 (90.80 to 91.80): VL0





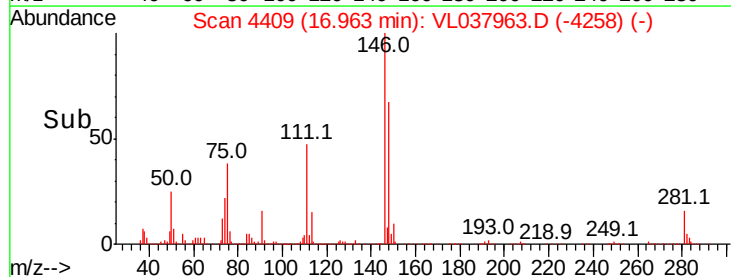
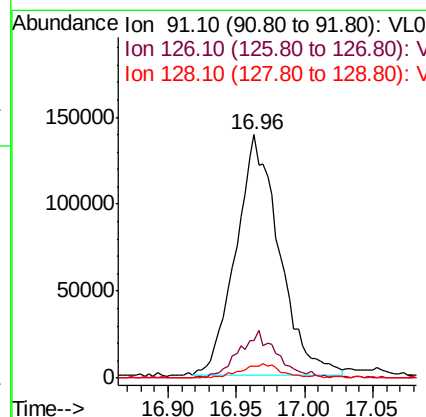
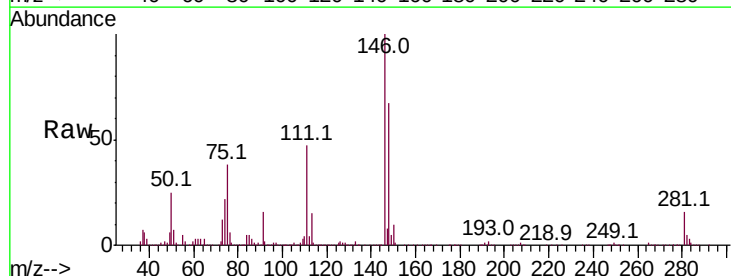
#65
 tert-Butylbenzene
 Concen: 7.712 ppbv
 RT: 16.72
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 9:34

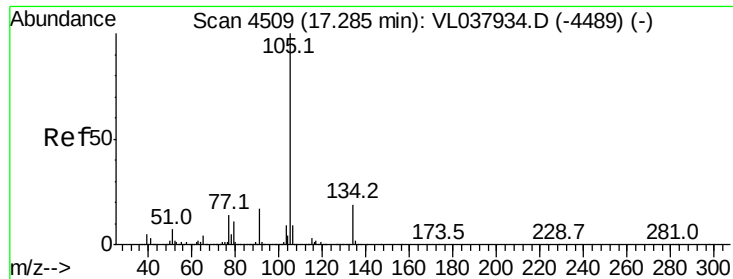
Tot Ion: 119 Resp: 4769738
 Ion Ratio Lower Upper
 119 100
 91 77.5 61.8 92.6
 134 20.9 16.6 25.0



#66
 Benzyl Chloride
 Concen: 9.488 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.01 min
 Lab File: VL037963.D
 Acq: 2 Nov 2021 9:34

Tgt Ion: 91 Resp: 306649
 Ion Ratio Lower Upper
 91 100
 126 17.9 13.8 20.6
 128 6.3 5.1 7.7





#67

sec-Butylbenzene

Concen: 7.807 ppbv

RT: 17.27

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

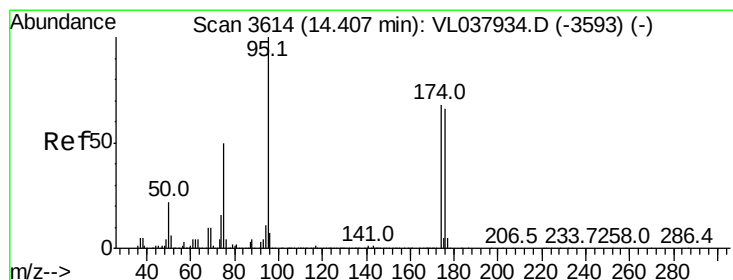
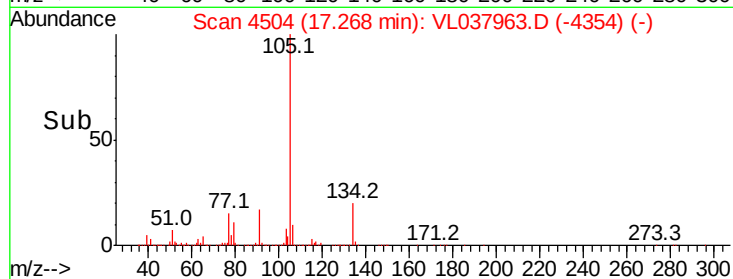
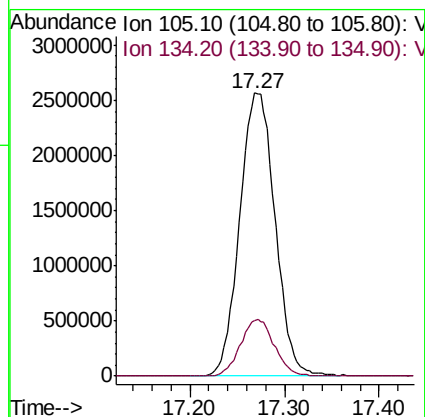
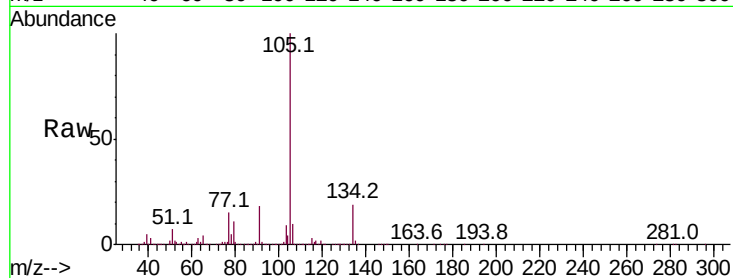
Acq: 2 Nov 2021 9:34

Tot Ion:105 Resp: 6652397

Ion Ratio Lower Upper

105 100

134 19.3 15.4 23.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.221 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.02 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

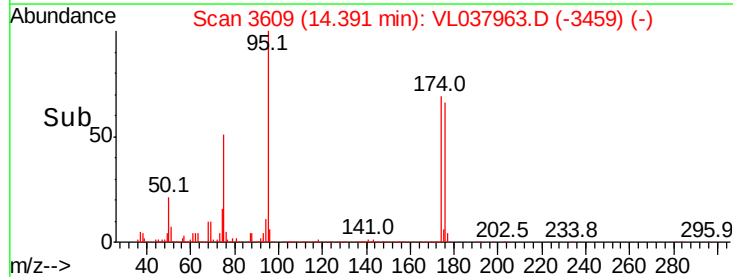
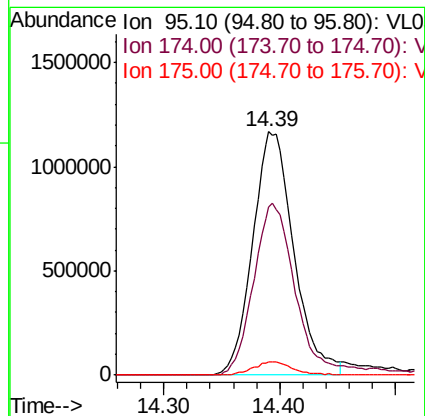
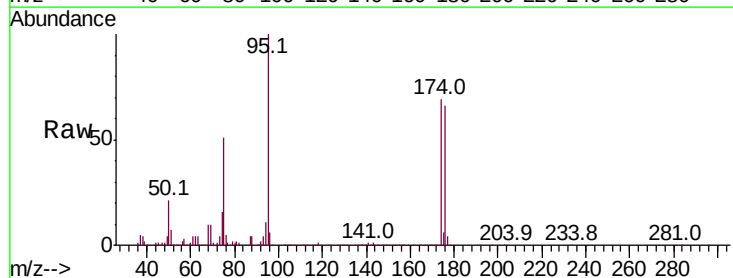
Tgt Ion: 95 Resp: 2882163

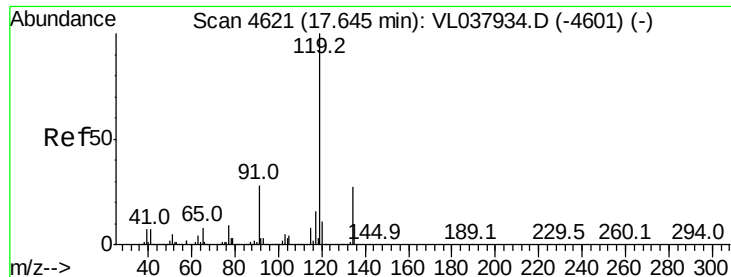
Ion Ratio Lower Upper

95 100

174 75.1 58.3 87.5

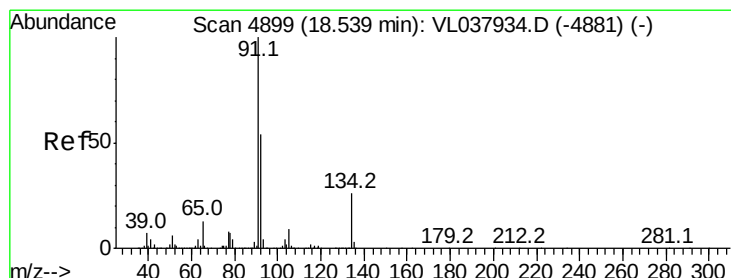
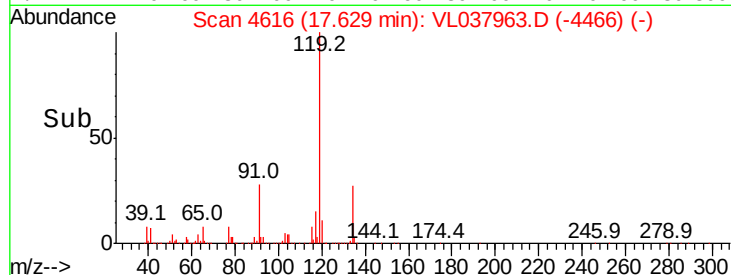
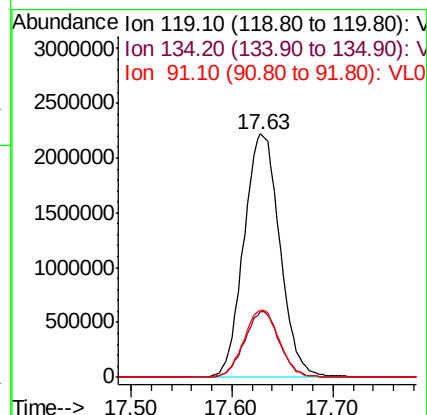
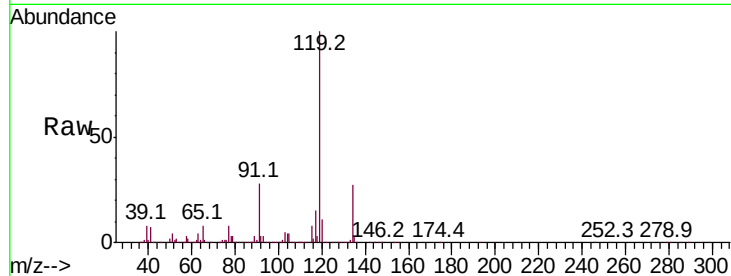
175 5.4 4.6 6.8





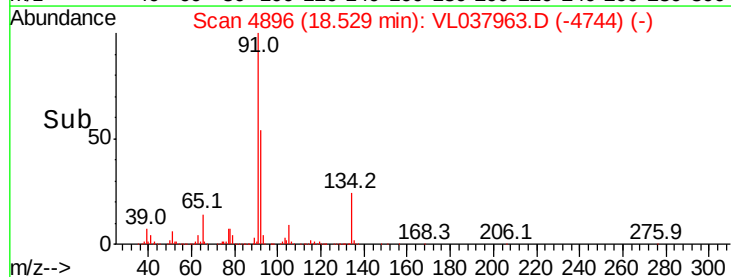
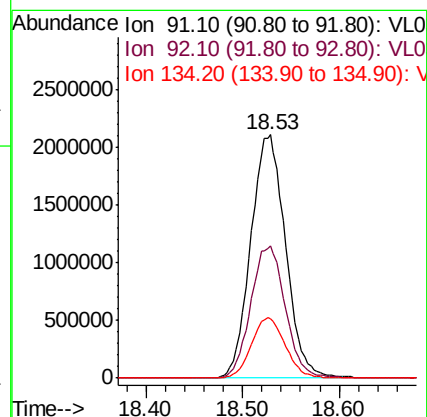
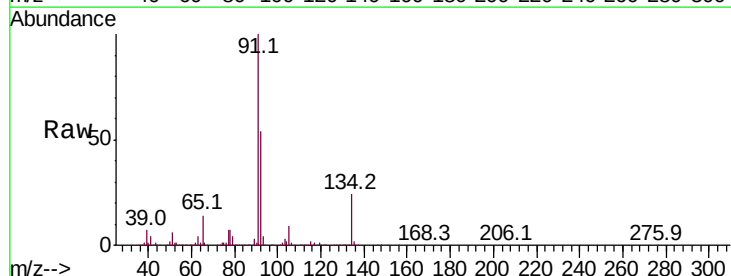
#69
 p-Isopropyltoluene
 Concen: 8.005 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 2 Nov 2021 9:34

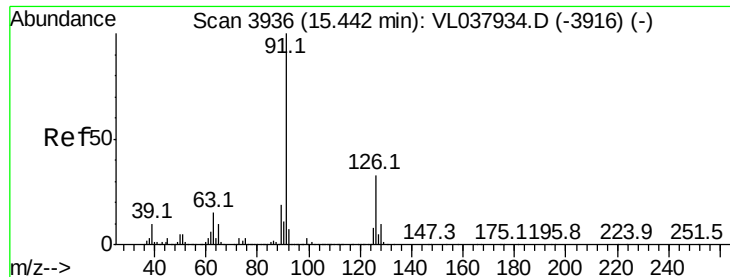
Tot Ion:	119	Resp:	5471966
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.0	31.4
91	27.2	21.8	32.8



#70
 n-Butylbenzene
 Concen: 8.361 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.01 min
 Lab File: VL037963.D
 Acq: 2 Nov 2021 9:34

Tgt Ion:	91	Resp:	5251321
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.6	65.4
134	24.3	19.8	29.6





#71

2-Chlorotoluene

Concen: 8.226 ppbv

RT: 15.43

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

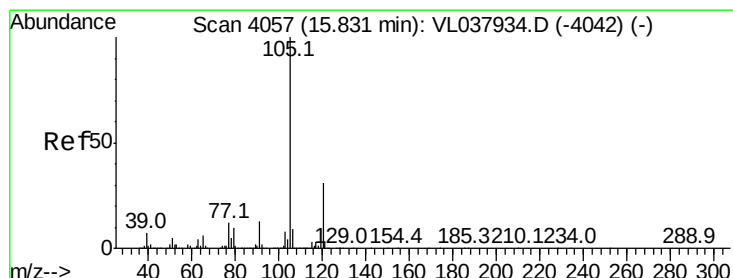
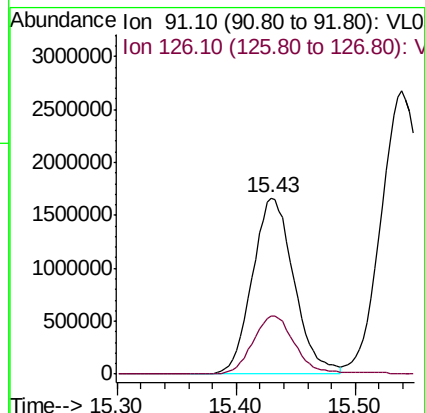
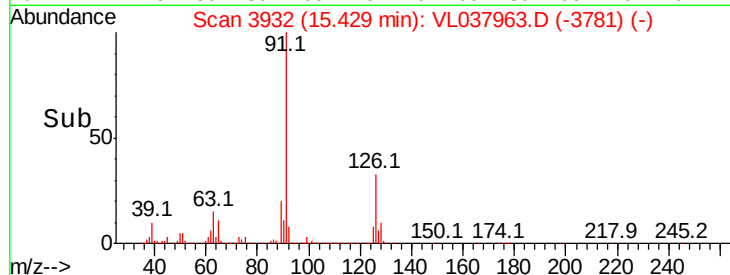
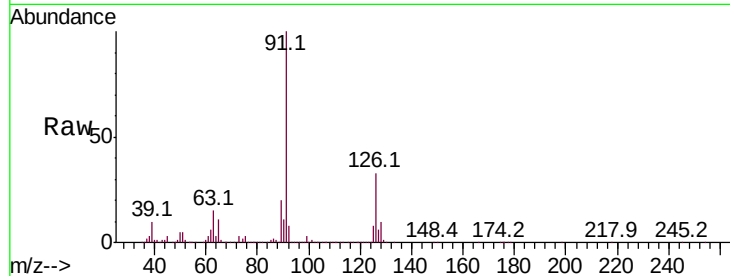
Acq: 2 Nov 2021 9:34

Tot Ion: 91 Resp: 4033842

Ion Ratio Lower Upper

91 100

126 34.2 13.3 53.3



#72

4-Ethyltoluene

Concen: 8.379 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.02 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion: 105 Resp: 4744676

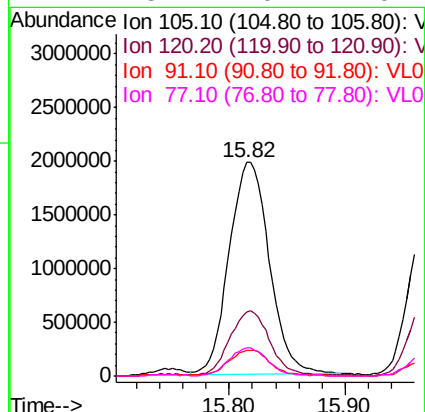
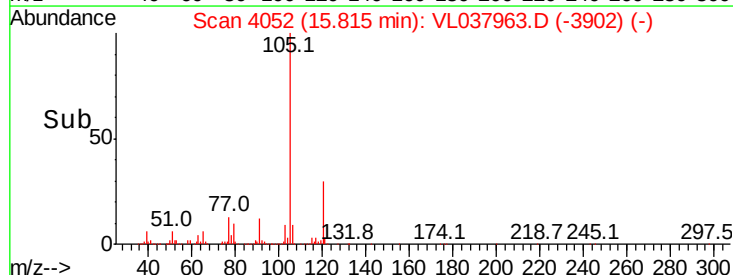
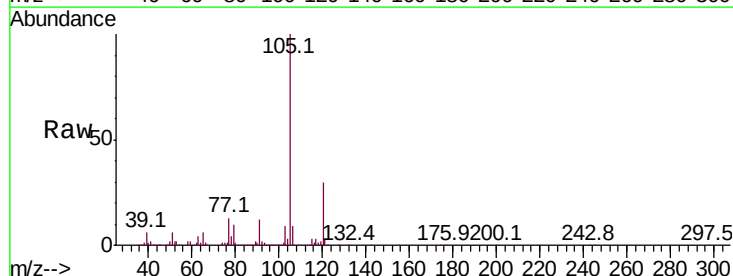
Ion Ratio Lower Upper

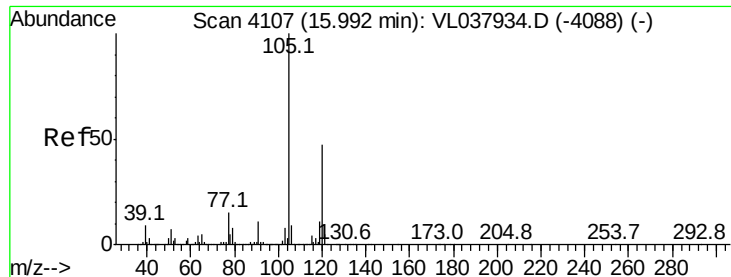
105 100

120 31.2 25.3 37.9

91 12.1 9.9 14.9

77 13.2 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 7.997 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

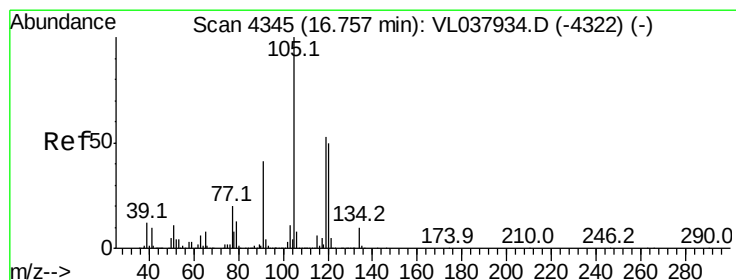
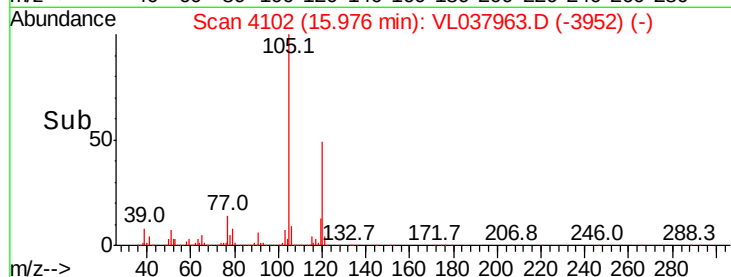
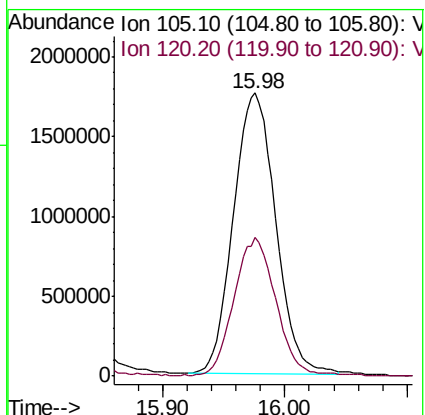
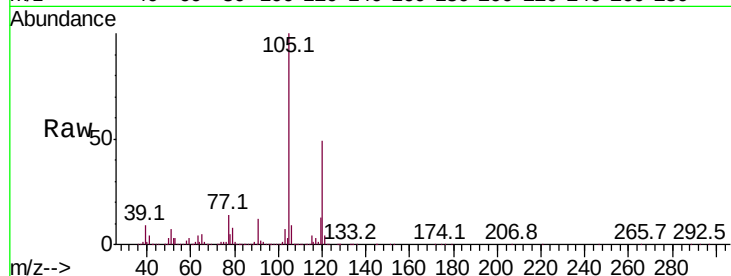
Acq: 2 Nov 2021 9:34

Tot Ion:105 Resp: 4240719

Ion Ratio Lower Upper

105 100

120 49.2 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 7.775 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL037963.D

Acq: 2 Nov 2021 9:34

Tgt Ion:105 Resp: 4319396

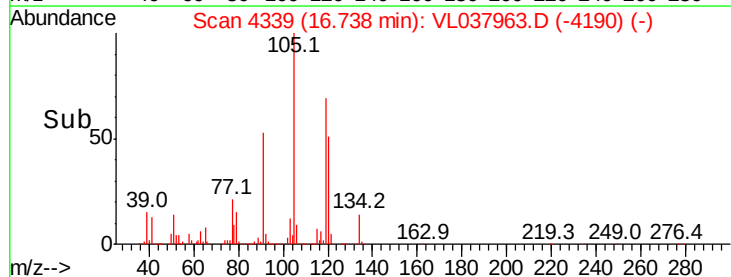
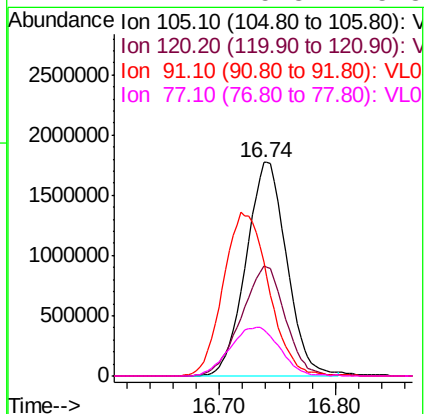
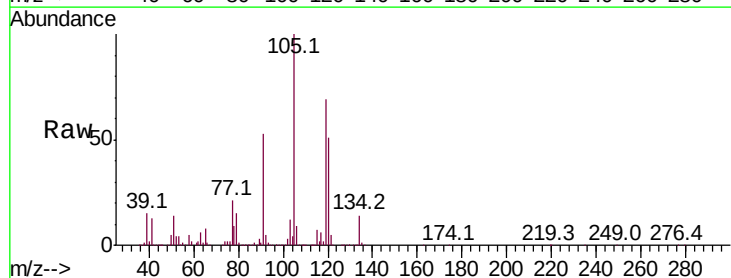
Ion Ratio Lower Upper

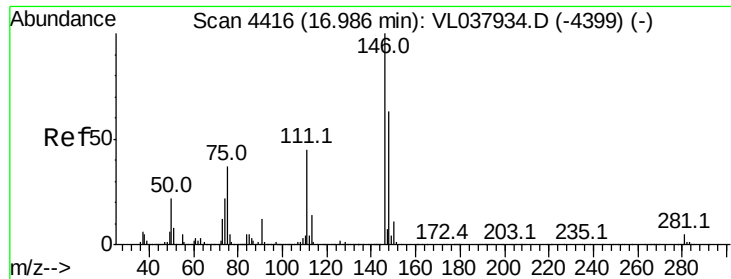
105 100

120 51.3 40.0 60.0

91 52.7 32.6 49.0#

77 21.2 15.8 23.8

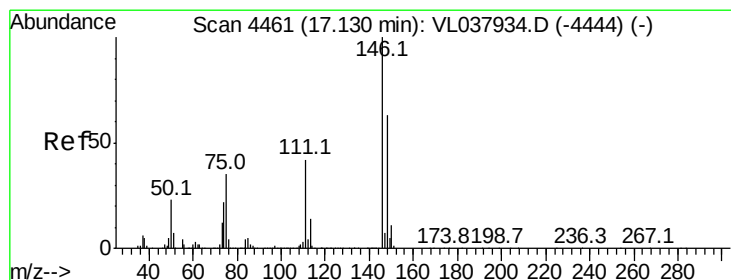
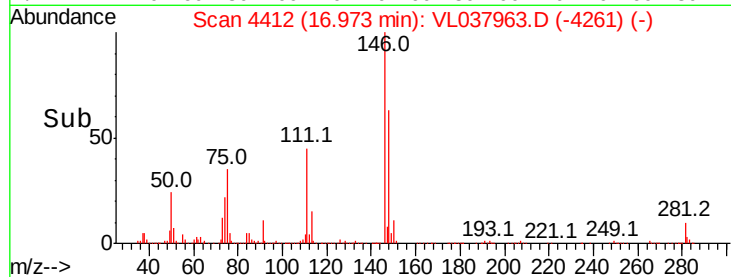
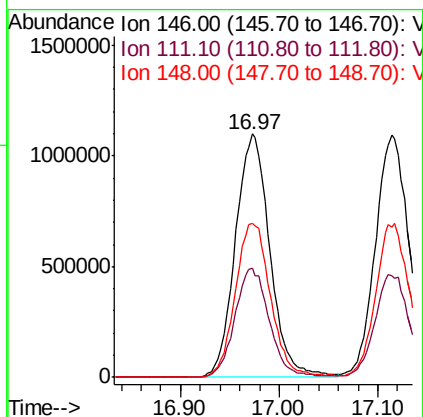
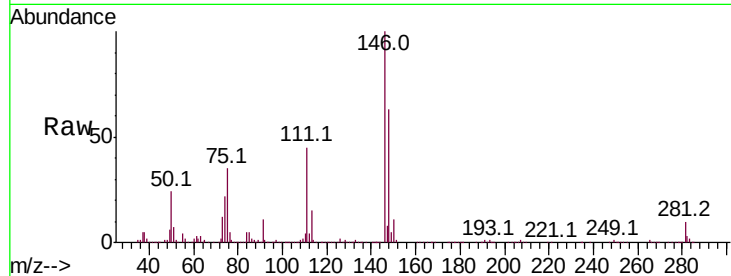




#75
 1,3-Dichlorobenzene
 Concen: 7.716 ppbv
 RT: 16.97 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 2 Nov 2021 9:34

Tot Ion:146 Resp: 2668909

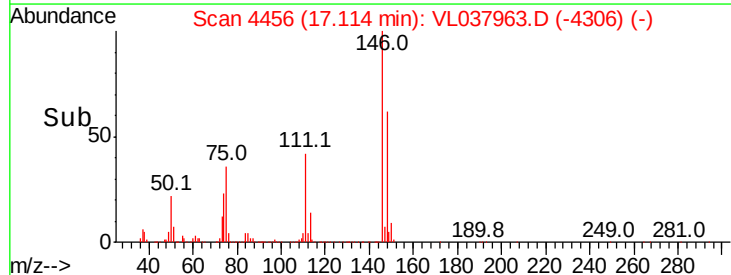
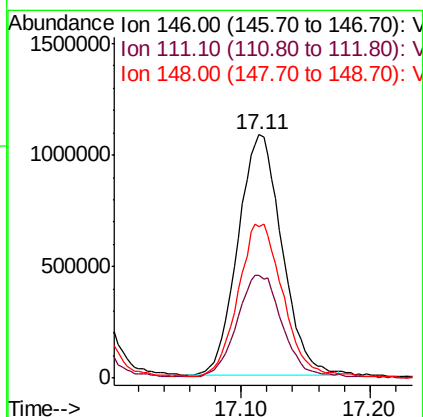
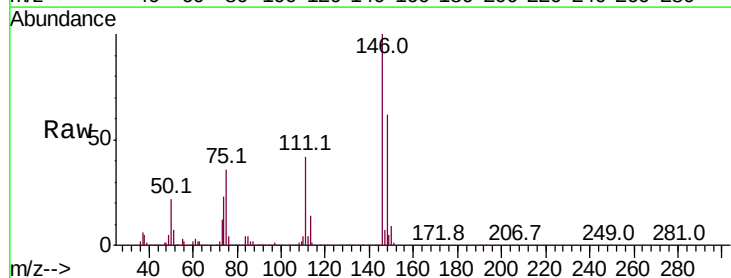
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.7	68.1
148	64.7	32.4	97.0

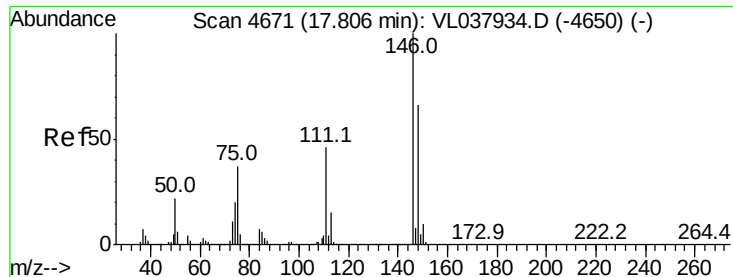


#76
 1,4-Dichlorobenzene
 Concen: 7.635 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.02 min
 Lab File: VL037963.D
 Acq: 2 Nov 2021 9:34

Tgt Ion:146 Resp: 2555509

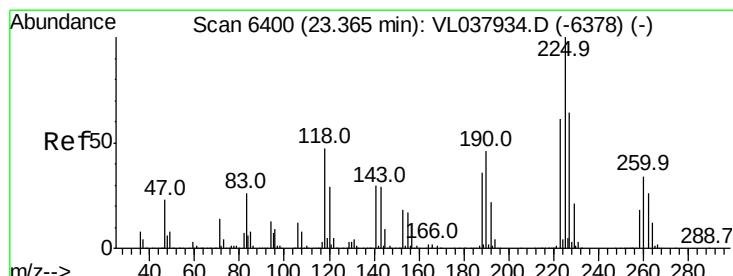
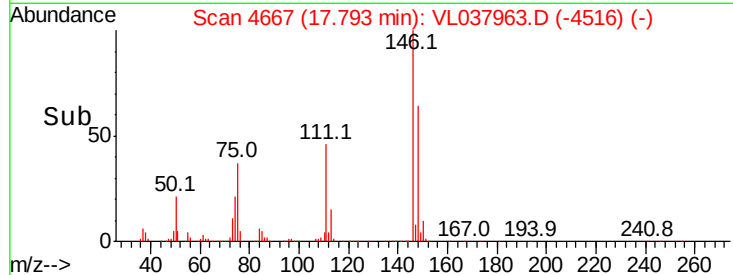
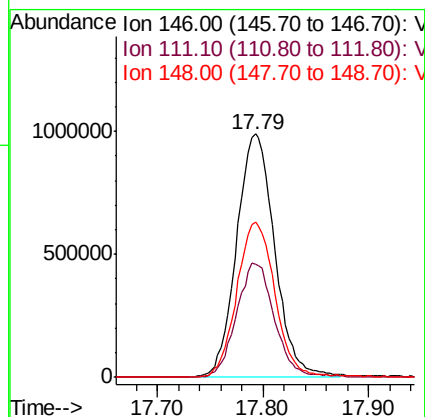
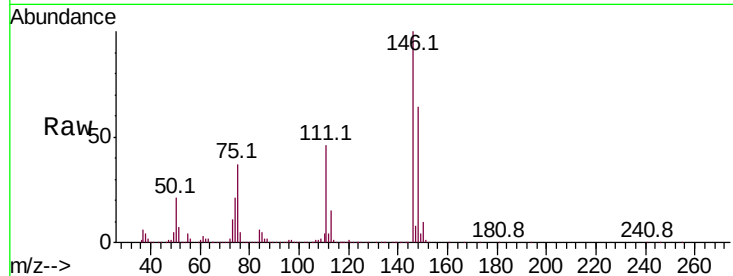
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.7	68.1
148	66.9	33.5	100.4





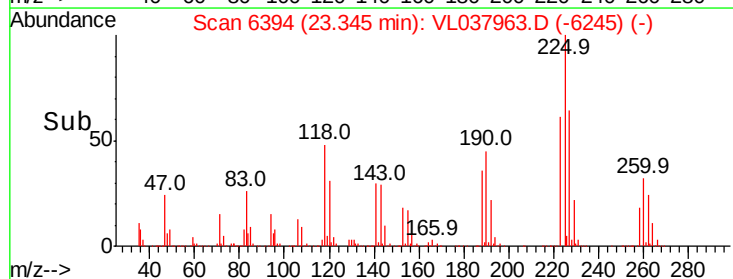
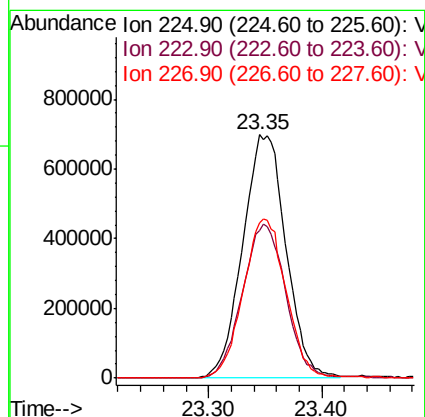
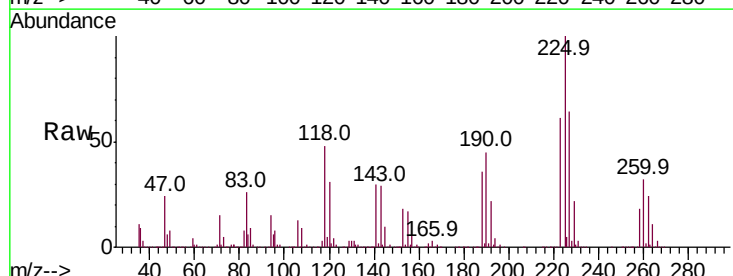
#77
 1,2-Dichlorobenzene
 Concen: 7.601 ppbv
 RT: 17.79
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 2 Nov 2021 9:34

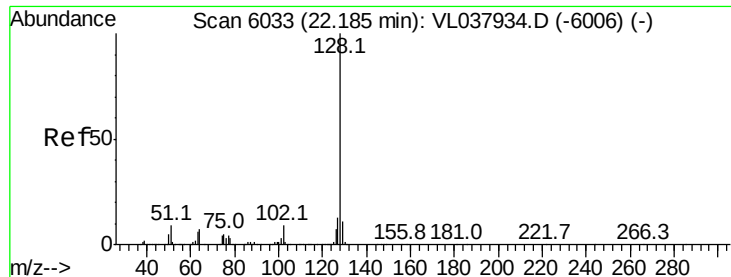
Tot Ion:146 Resp: 2468759
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.4 70.2
 148 64.1 32.6 97.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.675 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T.: -0.02 min
 Lab File: VL037963.D
 Acq: 2 Nov 2021 9:34

Tgt Ion:225 Resp: 1855543
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.0 75.0
 227 65.1 51.5 77.3

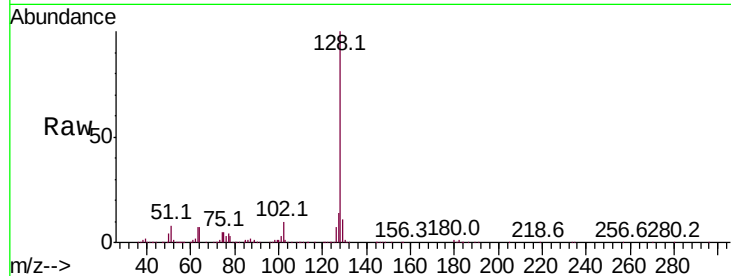




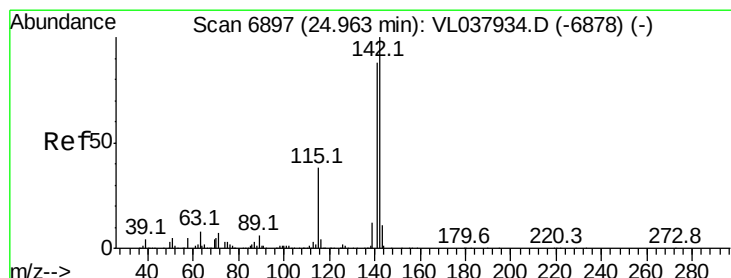
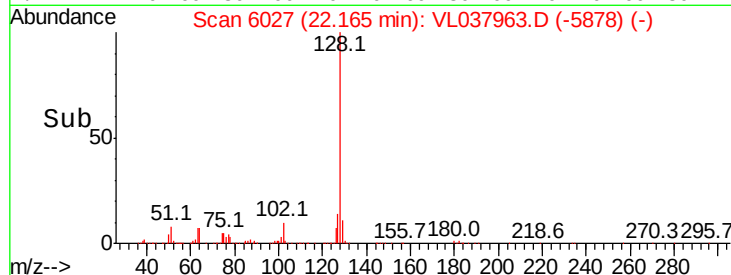
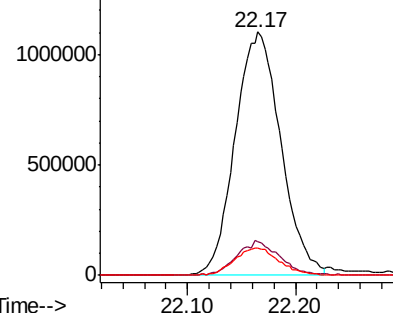
#79
Naphthalene
Concen: 10.115 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Nov 2021 9:34

Tot Ion:128 Resp: 3237485

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.2
129	11.3	9.0	13.4



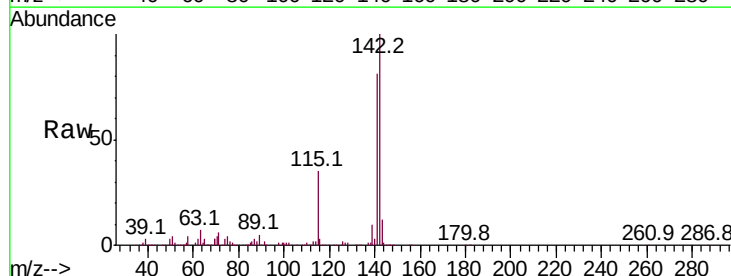
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



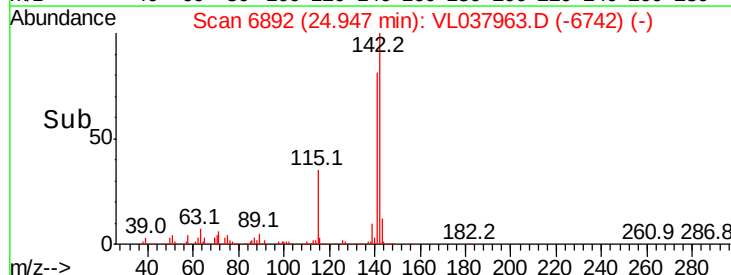
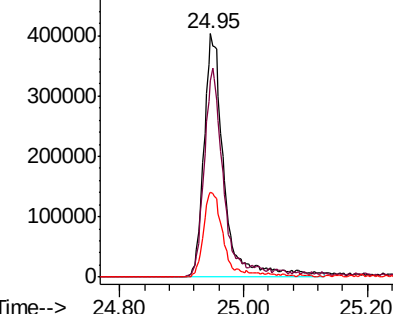
#80
Naphthalene, 2-methyl-
Concen: 14.726 ppbv
RT: 24.95 min Scan# 6892
Delta R.T.: -0.02 min
Lab File: VL037963.D
Acq: 2 Nov 2021 9:34

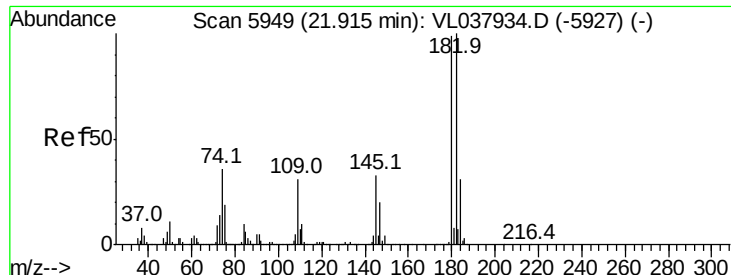
Tgt Ion:142 Resp: 917553

Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.4	99.6
115	34.6	29.0	43.4



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: 4.515 ppbv

RT: 21.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

Acq: 2 Nov 2021 9:34

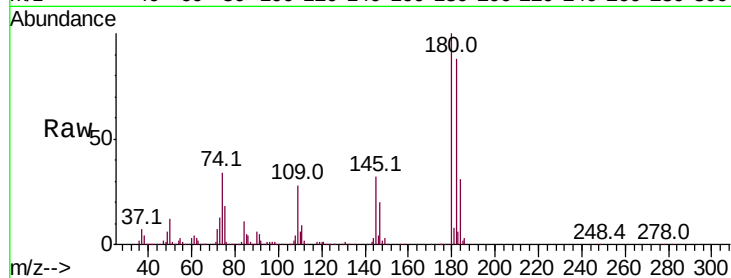
Tot Ion:180 Resp: 940559

Ion Ratio Lower Upper

180 100

182 0.0 79.3 118.9#

184 61.9 25.3 37.9#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

