

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037541.D
 Acq On : 7 Sep 2021 8:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 08 11:09:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1847872	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5547285	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	6331376	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3884105	8.63	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	3521073	11.876	ppbv 99
3) Chlorodifluoromethane	2.99	51	3188693	9.012	ppbv 100
4) Chloromethane	3.14	50	1199313	9.485	ppbv 95
5) Vinyl Chloride	3.26	62	1205400	9.305	ppbv 94
6) Bromomethane	3.48	94	667625	9.408	ppbv 97
7) Chloroethane	3.56	64	401839	9.088	ppbv # 87
8) Dichlorotetrafluoroethane	3.19	85	2716771	8.876	ppbv 98
9) Propene	3.01	41	1179601	9.317	ppbv 100
10) Heptane	8.12	43	2917414	10.011	ppbv 99
11) Trichlorofluoromethane	3.95	101	2520315	9.056	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1865608	9.135	ppbv 98
13) Ethanol	3.61	45	59769	4.851	ppbv # 21
14) Bromoethene	3.74	108	857477	9.248	ppbv 98
15) Acetone	3.85	43	1510941	8.034	ppbv 98
16) 1,3-Butadiene	3.33	39	1157779	9.597	ppbv 98
17) tert-Butyl alcohol	4.29	59	1600327	9.315	ppbv 99
18) 1,1-Dichloroethene	4.29	96	858881	9.258	ppbv 96
19) Isopropyl Alcohol	3.97	45	940656	8.731	ppbv # 96
20) Methylene Chloride	4.34	84	726874	7.720	ppbv 94
21) Allyl Chloride	4.41	41	1385123	9.068	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	887591	9.590	ppbv 93
23) Vinyl Acetate	5.07	43	2767810	9.985	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1750383	8.706	ppbv 98
25) Ethyl Acetate	5.67	43	4417502	9.253	ppbv 99
26) Hexane	5.69	57	2155027	9.232	ppbv 99
27) Carbon Disulfide	4.55	76	2120893	10.195	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1855646	8.277	ppbv 98
29) Chloroform	5.75	83	3056732	9.240	ppbv 96
30) Cyclohexane	7.13	84	1800674	9.258	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	2032747	9.622	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2969111	9.135	ppbv 99
34) 2-Butanone	5.24	43	2050285	9.051	ppbv 96
35) Carbon Tetrachloride	7.02	117	3095678	9.443	ppbv 100
36) Benzene	6.89	78	4450178	9.543	ppbv 99
37) 1,2-Dichloroethane	6.31	62	2168738	9.389	ppbv 100
38) Trichloroethene	7.83	130	1774218	9.273	ppbv 95
39) 1,2-Dichloropropane	7.61	63	1714053	9.566	ppbv 98
40) 1,4-Dioxane	7.83	88	377659	8.603	ppbv # 100
41) Tetrahydrofuran	6.05	42	1085811	9.950	ppbv 99
42) Bromodichloromethane	7.79	83	3266715	9.672	ppbv 97
43) Methyl Methacrylate	8.01	69	1635302	10.061	ppbv 99

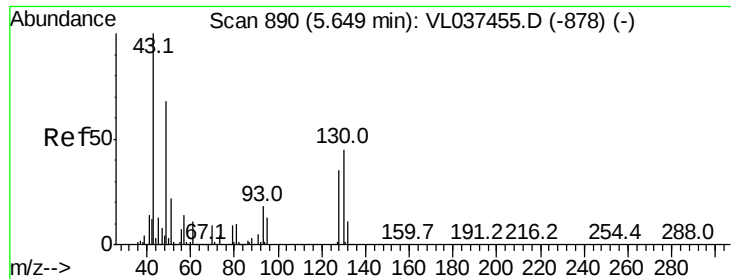
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037541.D
 Acq On : 7 Sep 2021 8:26
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 08 11:09:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7359849	9.378	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1478740	12.086	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	1913276	11.210	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1874020	9.679	ppbv	96
48) Dibromochloromethane	10.30	129	2930099	10.516	ppbv	99
49) Bromoform	13.04	173	2480622	11.294	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	3017622	10.211	ppbv	99
51) 2-Hexanone	10.13	43	1485538	10.929	ppbv #	98
52) Tetrachloroethene	11.22	164	1655072	8.661	ppbv	96
53) Toluene	9.81	91	5234713	9.831	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2653806	9.818	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	2043151	7.745	ppbv	96
57) Chlorobenzene	12.15	112	3855086	7.337	ppbv	98
58) Ethyl Benzene	12.71	91	6704227	7.630	ppbv	99
59) m/p-Xylene	12.99	91	6247957	8.203	ppbv #	43
60) o-Xylene	13.69	91	5313148	7.473	ppbv	99
61) Styrene	13.52	104	3120985	8.451	ppbv	98
62) Isopropylbenzene	14.66	105	7446203	7.421	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3882369	7.348	ppbv	98
64) n-propylbenzene	15.56	120	2030816	7.953	ppbv	91
65) tert-Butylbenzene	16.74	119	6513430	7.128	ppbv	100
66) Benzyl Chloride	16.99	91	463004	11.201	ppbv	96
67) sec-Butylbenzene	17.29	105	9088287	7.118	ppbv	99
69) p-Isopropyltoluene	17.64	119	7713461	7.414	ppbv	100
70) n-Butylbenzene	18.55	91	7560504	7.604	ppbv	99
71) 2-Chlorotoluene	15.45	91	5599976	7.611	ppbv	99
72) 4-Ethyltoluene	15.83	105	6423894	7.597	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	5856404	7.440	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	6036575	7.217	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	3759772	7.468	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	3688514	7.272	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	3666284	7.395	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2800190	6.793	ppbv	98
79) Naphthalene	22.18	128	4782749	8.545	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1392245	8.928	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	2866502	8.161	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

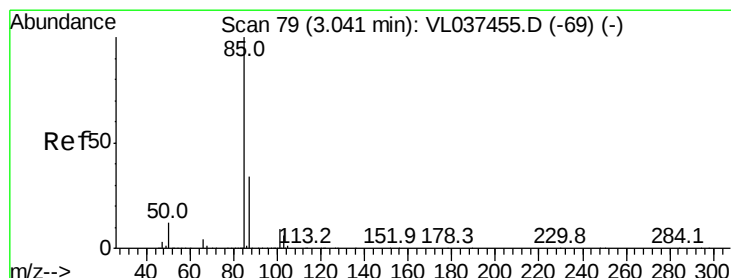
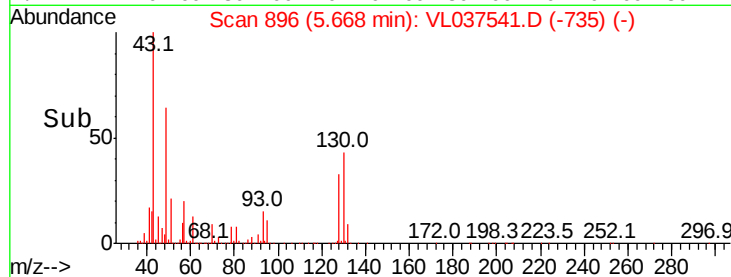
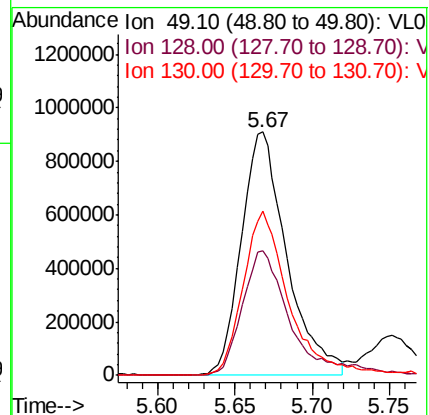
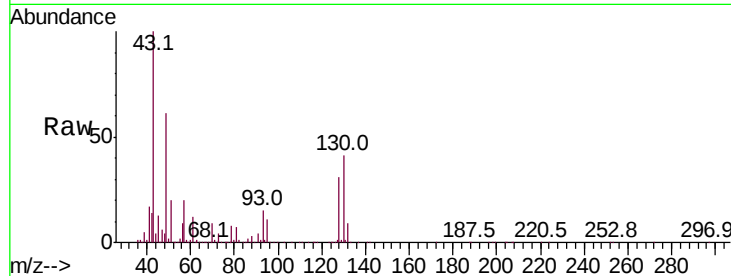
Tot Ion: 49 Resp: 1847872

Ion Ratio Lower Upper

49 100

128 55.7 27.5 82.4

130 69.6 34.0 101.8



#2

Dichlorodifluoromethane

Concen: 11.876 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037541.D

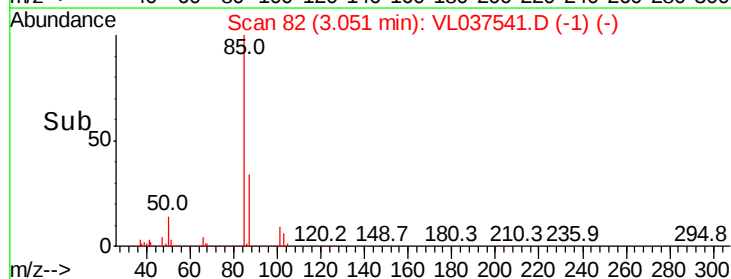
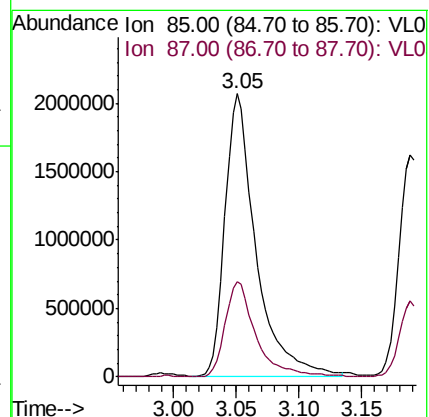
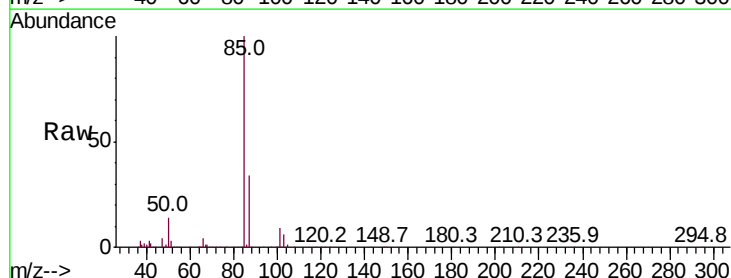
Acq: 7 Sep 2021 8:26

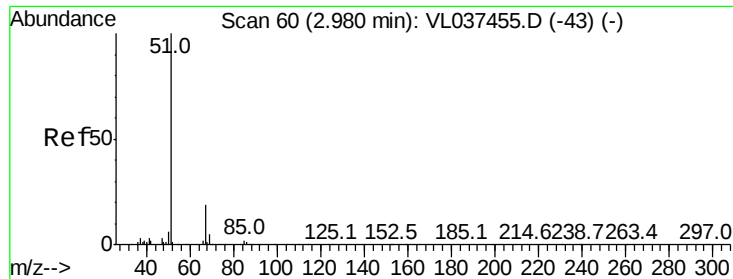
Tgt Ion: 85 Resp: 3521073

Ion Ratio Lower Upper

85 100

87 33.7 27.6 41.4

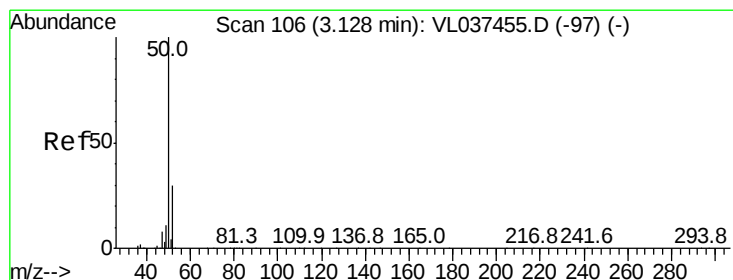
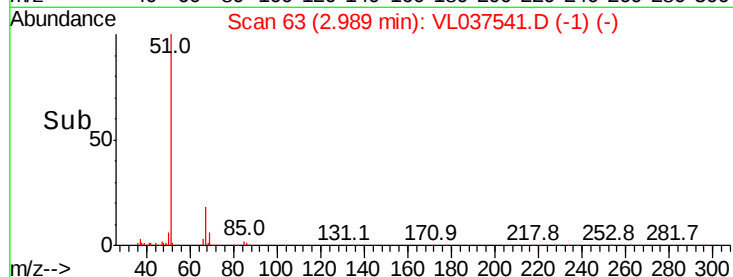
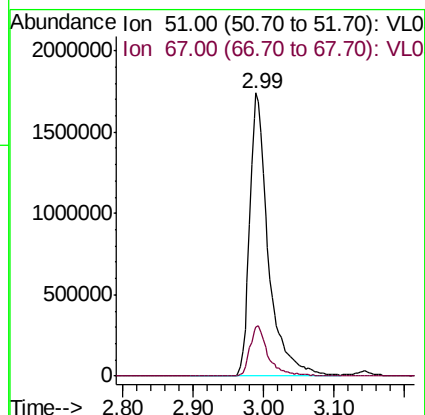
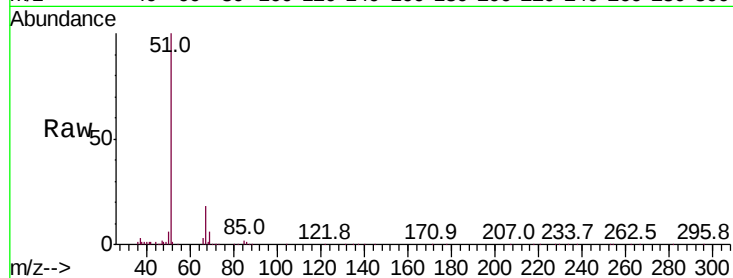




#3
 Chlorodifluoromethane
 Concen: 9.012 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

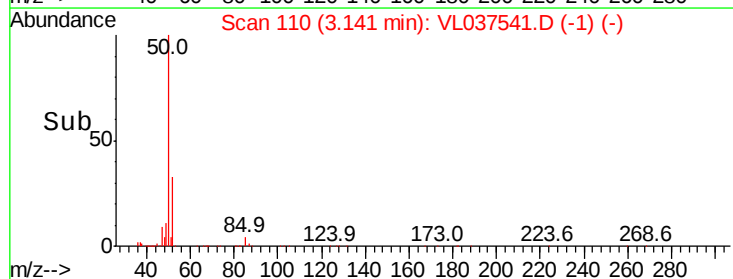
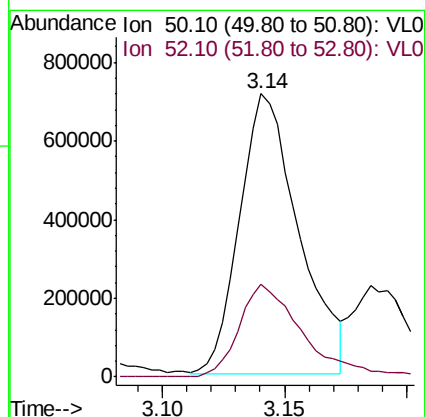
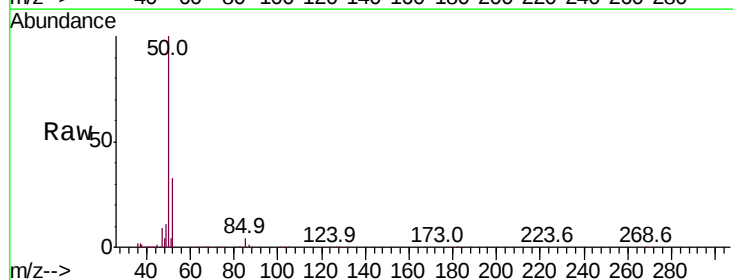
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

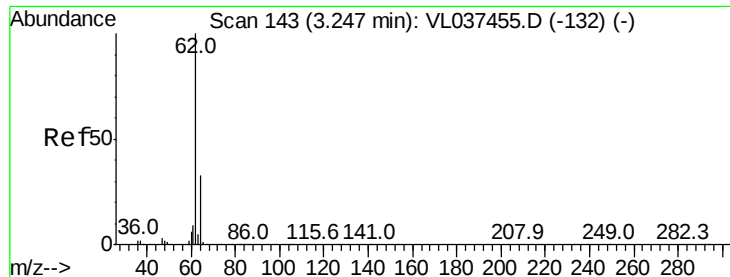
Tot Ion: 51 Resp: 3188693
 Ion Ratio Lower Upper
 51 100
 67 17.7 14.2 21.2



#4
 Chloromethane
 Concen: 9.485 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.01 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion: 50 Resp: 1199313
 Ion Ratio Lower Upper
 50 100
 52 32.7 24.0 36.0





#5

Vinyl Chloride

Concen: 9.305 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

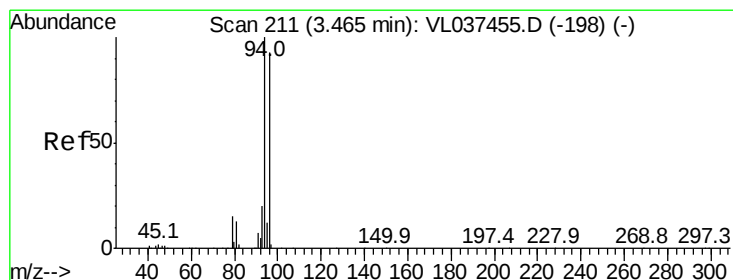
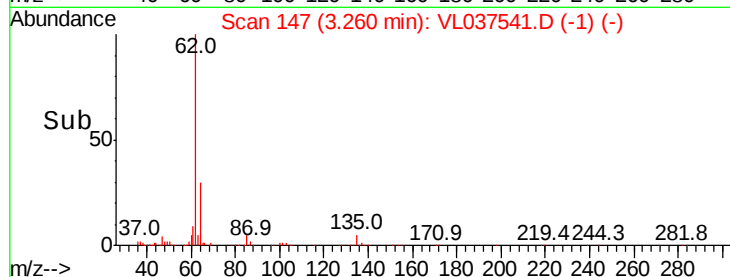
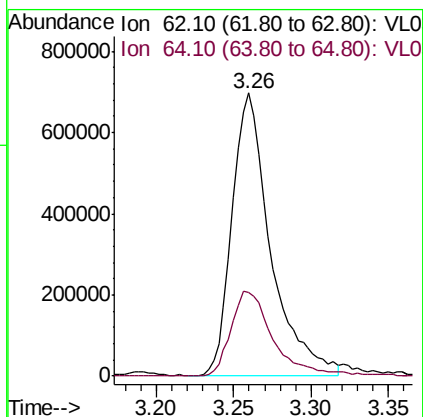
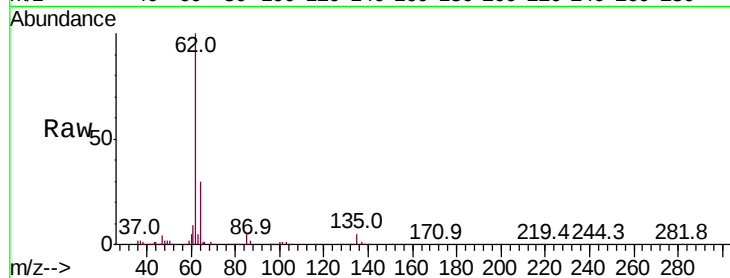
VSTDCCC010

Tot Ion: 62 Resp: 1205400

Ion Ratio Lower Upper

62 100

64 29.8 26.5 39.7



#6

Bromomethane

Concen: 9.408 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037541.D

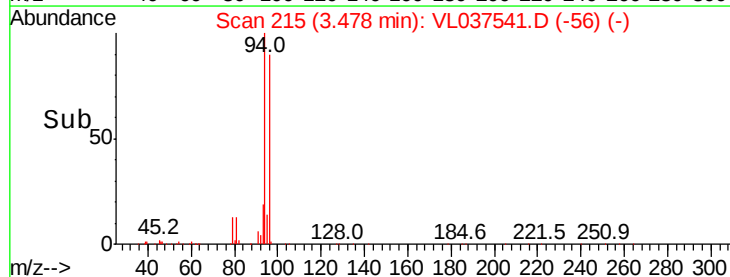
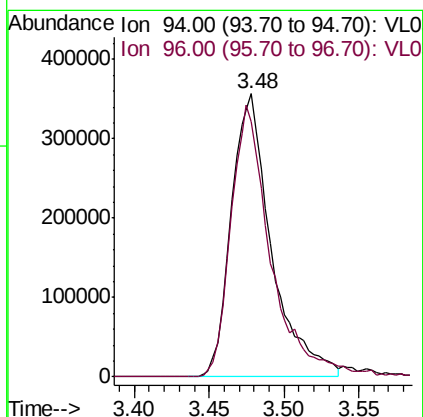
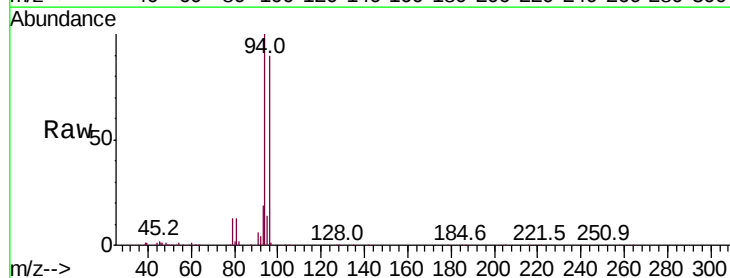
Acq: 7 Sep 2021 8:26

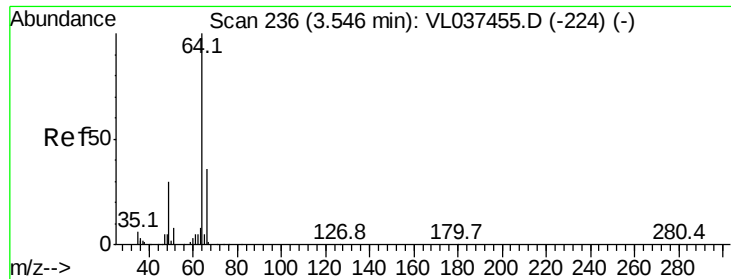
Tgt Ion: 94 Resp: 667625

Ion Ratio Lower Upper

94 100

96 90.2 74.5 111.7





#7

Chloroethane

Concen: 9.088 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

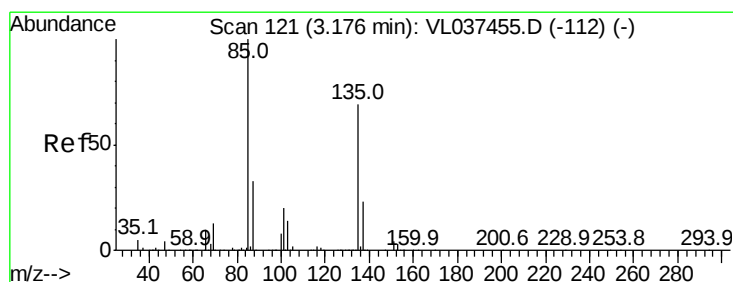
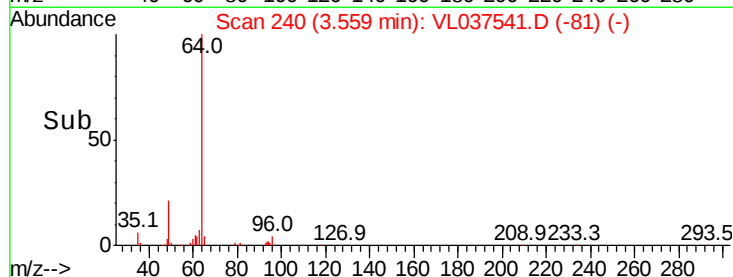
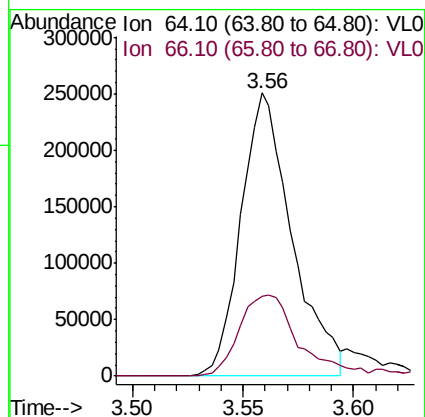
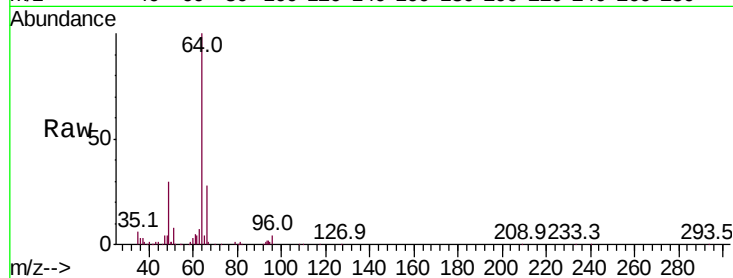
VSTDCCC010

Tot Ion: 64 Resp: 401839

Ion Ratio Lower Upper

64 100

66 28.3 28.6 43.0#



#8

Dichlorotetrafluoroethane

Concen: 8.876 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037541.D

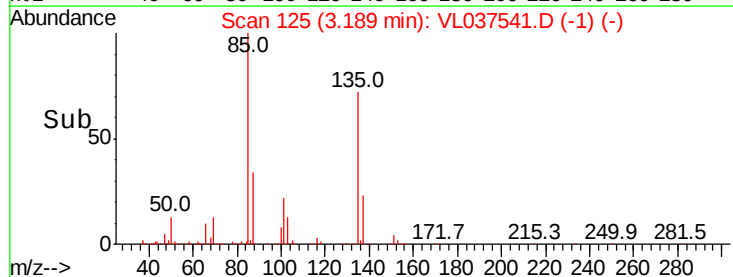
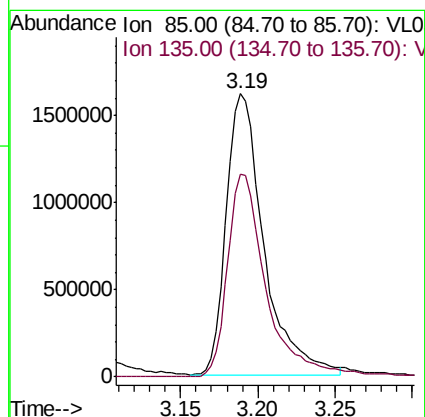
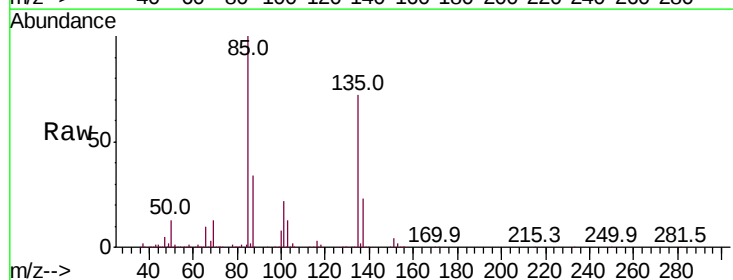
Acq: 7 Sep 2021 8:26

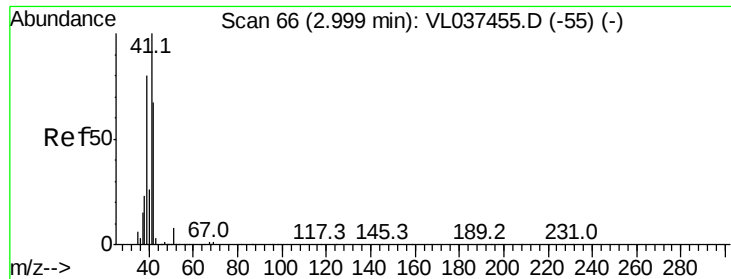
Tgt Ion: 85 Resp: 2716771

Ion Ratio Lower Upper

85 100

135 75.3 58.8 88.2





#9

Propene

Concen: 9.317 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

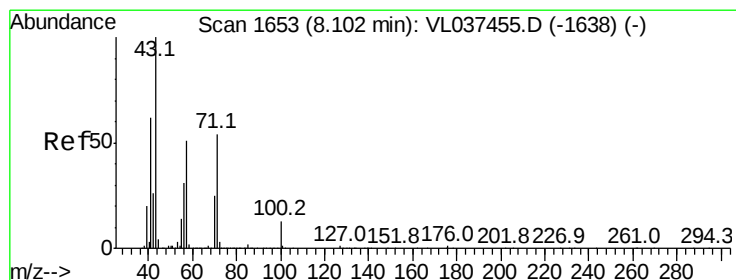
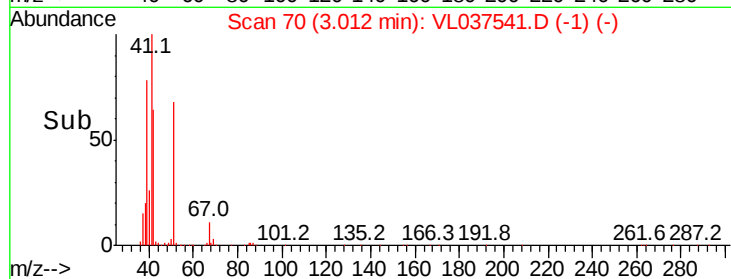
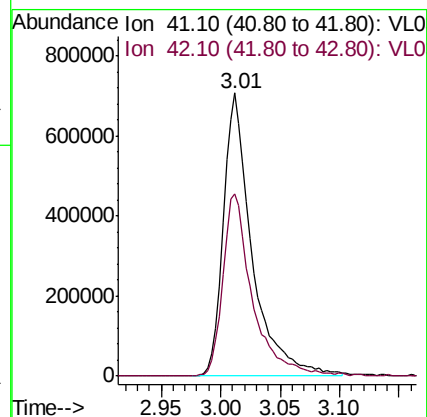
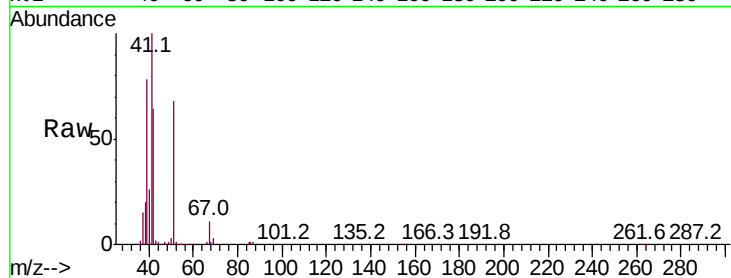
VSTDCCC010

Tot Ion: 41 Resp: 1179601

Ion Ratio Lower Upper

41 100

42 67.0 53.7 80.5



#10

Heptane

Concen: 10.011 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL037541.D

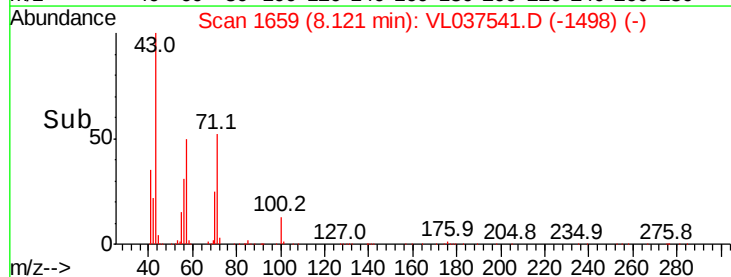
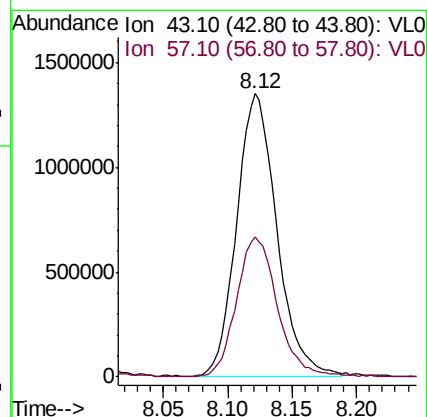
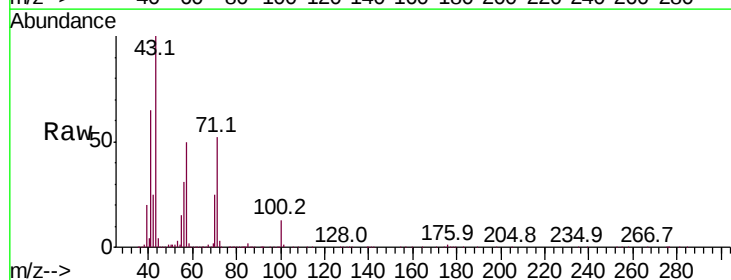
Acq: 7 Sep 2021 8:26

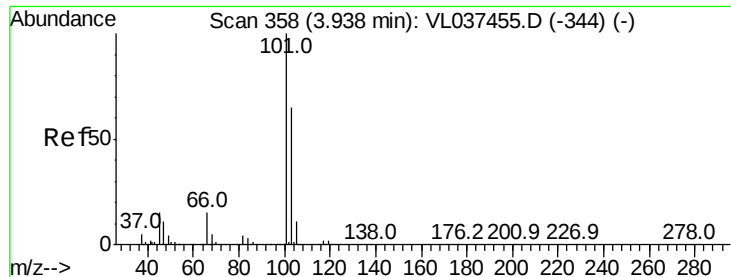
Tgt Ion: 43 Resp: 2917414

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6

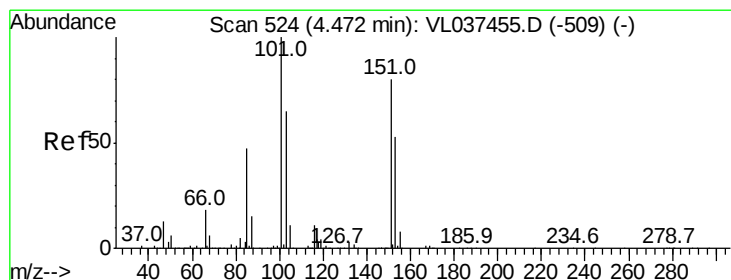
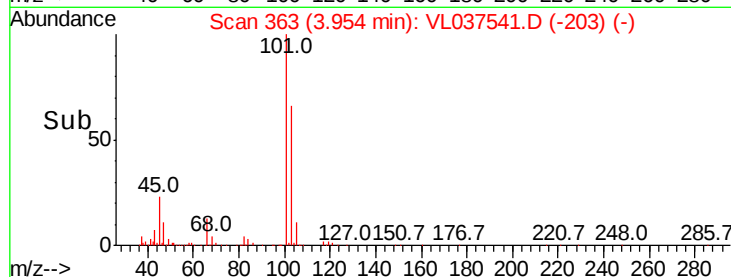
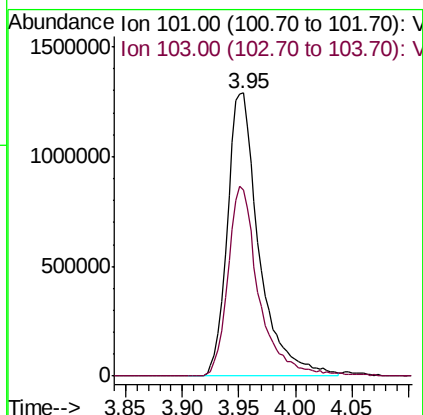
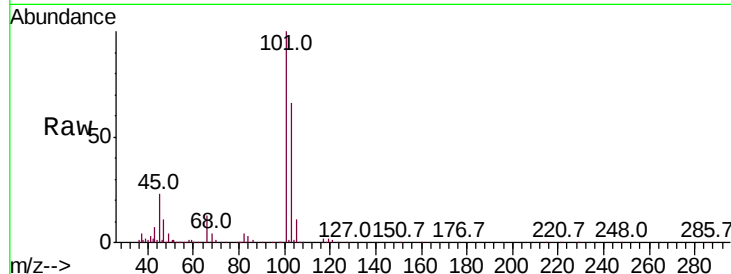




#11
 Trichlorofluoromethane
 Concen: 9.056 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

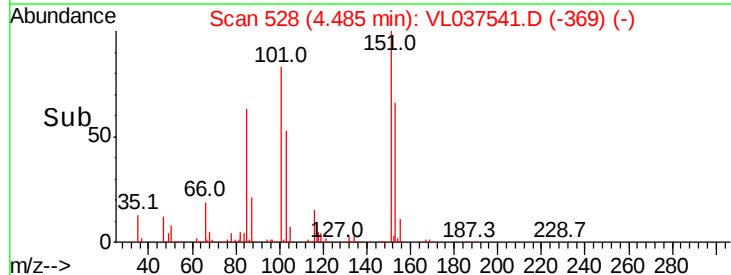
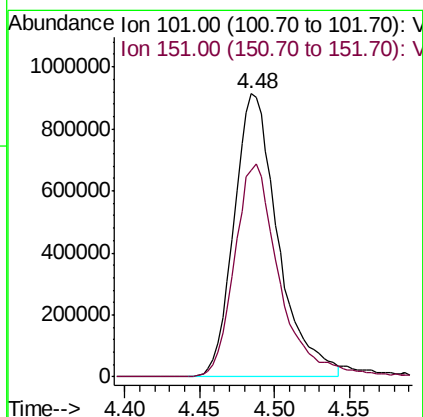
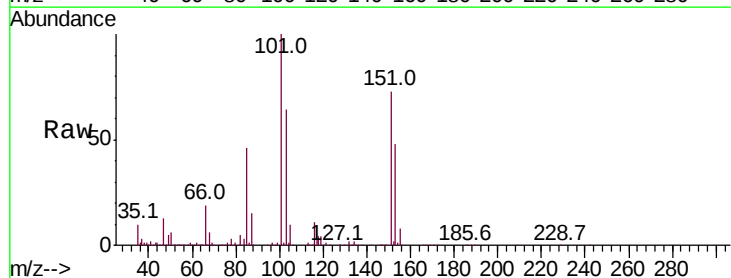
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

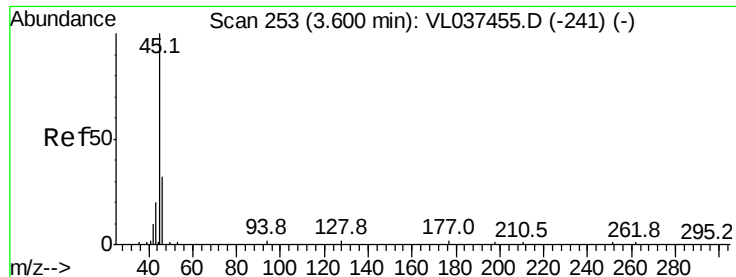
Tot Ion:101 Resp: 2520315
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.135 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion:101 Resp: 1865608
 Ion Ratio Lower Upper
 101 100
 151 78.1 63.7 95.5

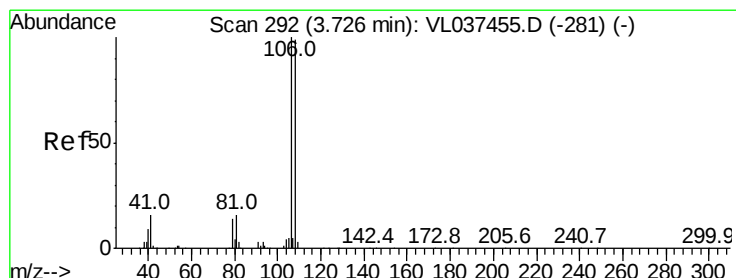
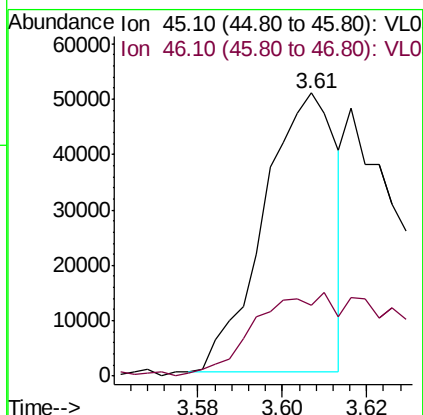
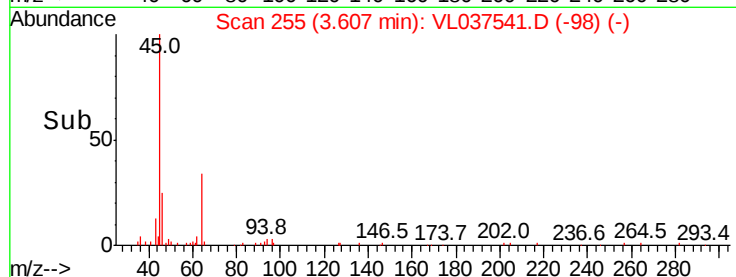
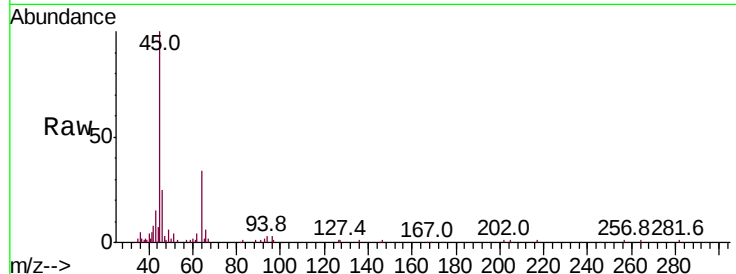




#13
Ethanol
Concen: 4.851 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

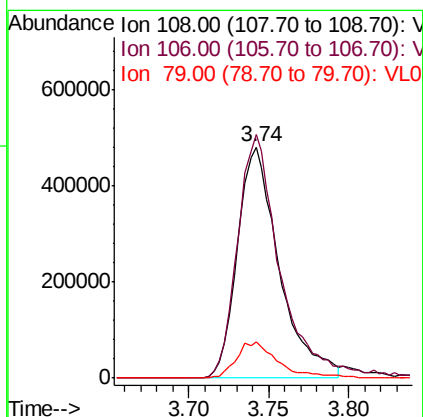
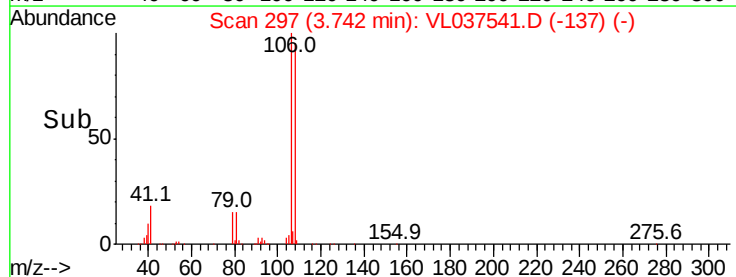
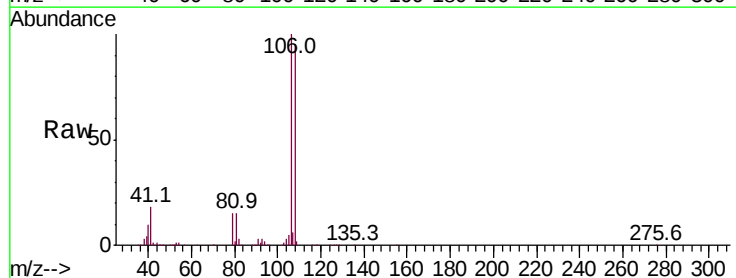
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

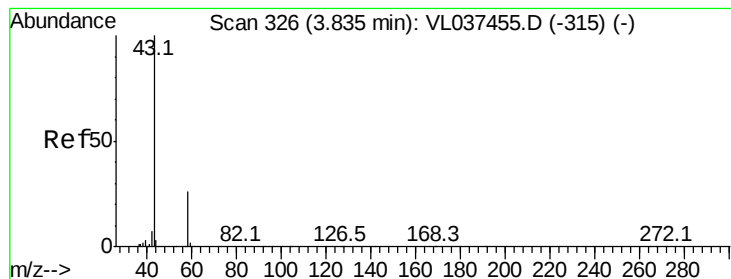
Tot Ion: 45 Resp: 59769
Ion Ratio Lower Upper
45 100
46 81.3 14.1 56.5#



#14
Bromoethene
Concen: 9.248 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 108 Resp: 857477
Ion Ratio Lower Upper
108 100
106 109.5 85.8 128.8
79 16.2 12.6 18.8





#15

Acetone

Concen: 8.034 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

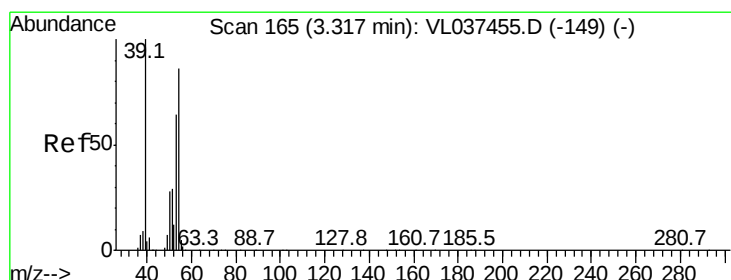
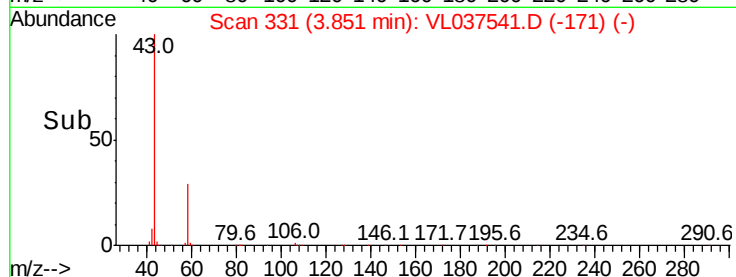
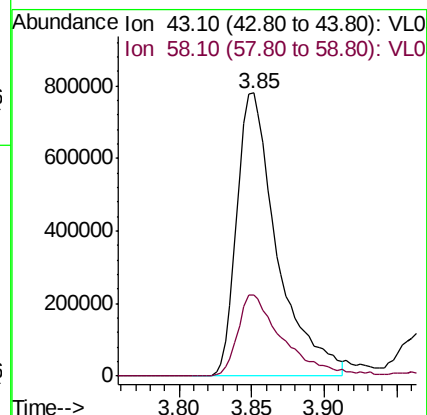
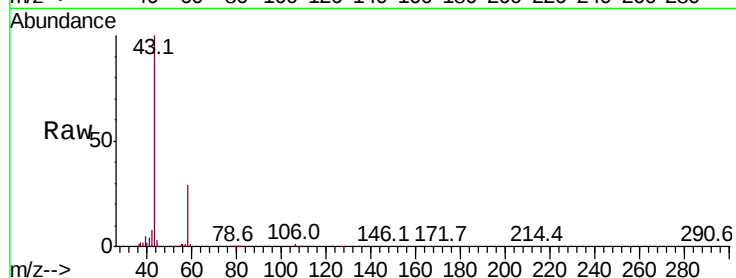
VSTDCCC010

Tot Ion: 43 Resp: 1510941

Ion Ratio Lower Upper

43 100

58 32.1 24.8 37.2



#16

1,3-Butadiene

Concen: 9.597 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037541.D

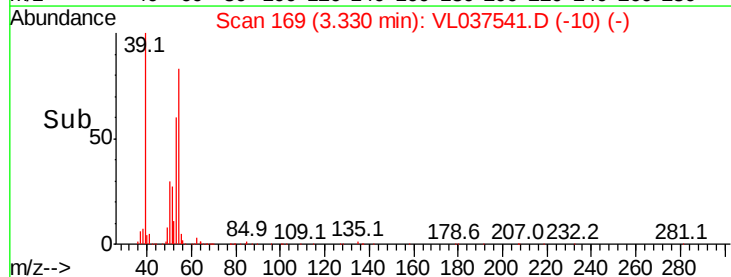
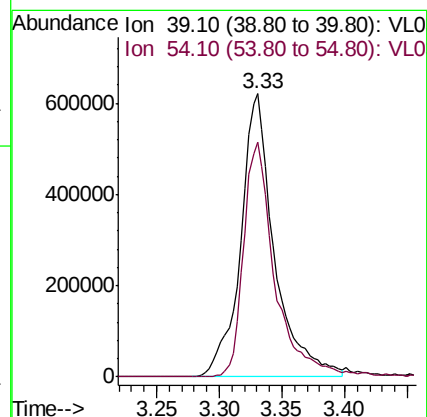
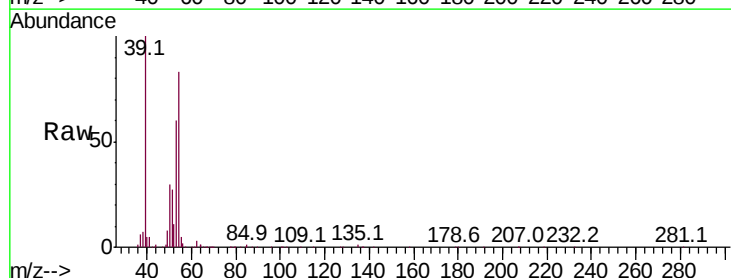
Acq: 7 Sep 2021 8:26

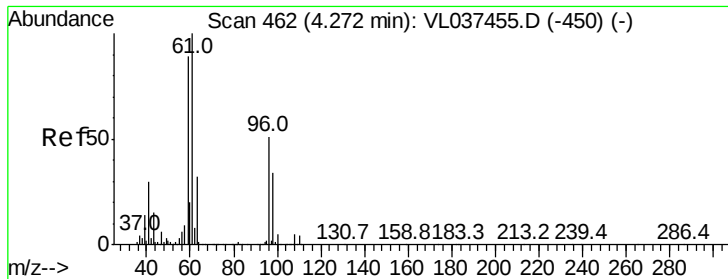
Tgt Ion: 39 Resp: 1157779

Ion Ratio Lower Upper

39 100

54 78.0 63.7 95.5



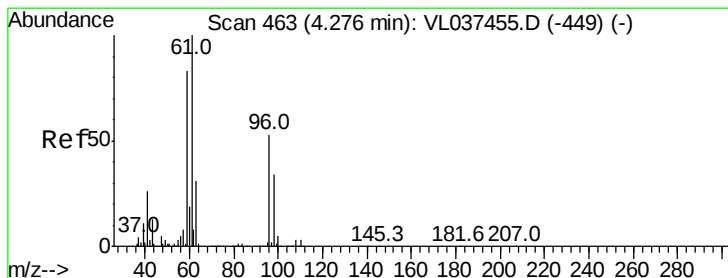
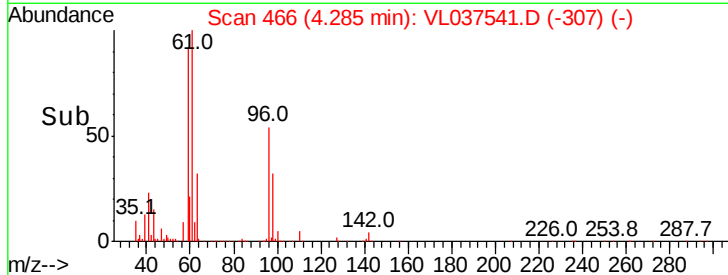
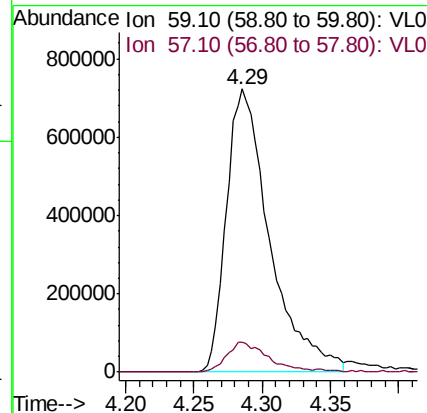
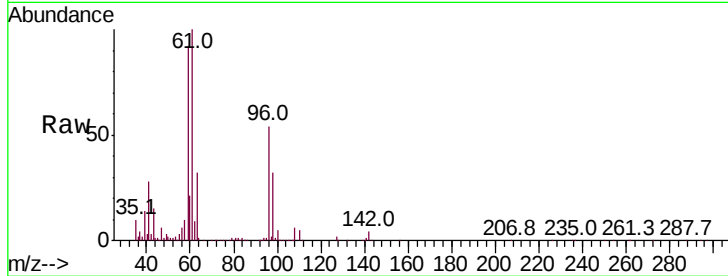


#17

tert-Butyl alcohol
Concen: 9.315 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

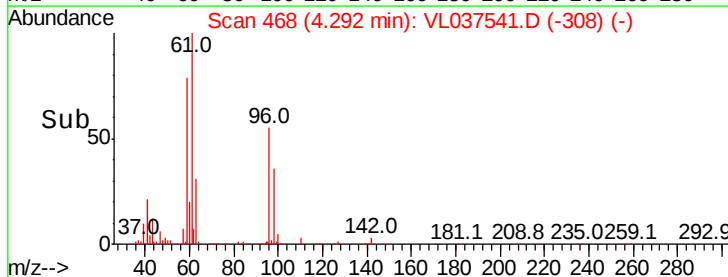
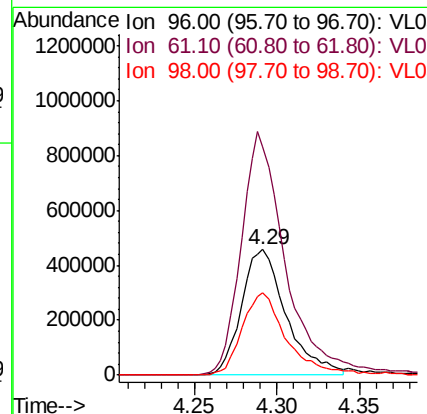
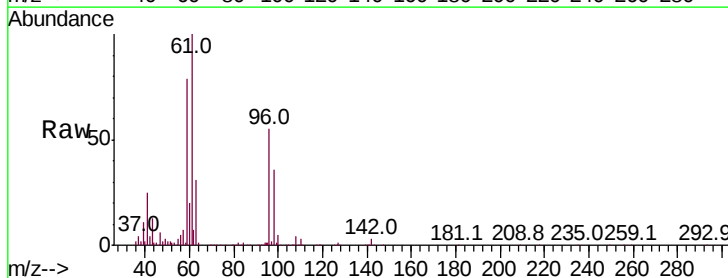
Tot Ion: 59 Resp: 1600327
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

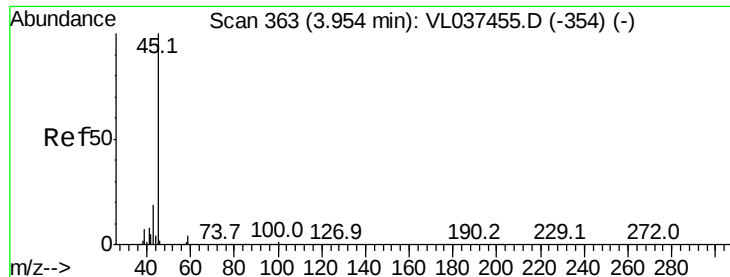


#18

1,1-Dichloroethene
Concen: 9.258 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 96 Resp: 858881
Ion Ratio Lower Upper
96 100
61 182.1 151.1 226.7
98 65.8 51.8 77.8





#19

Isopropyl Alcohol

Concen: 8.731 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

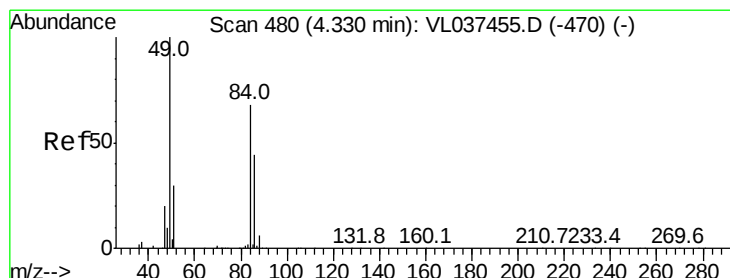
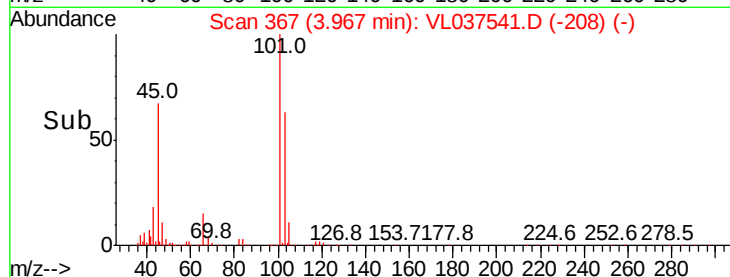
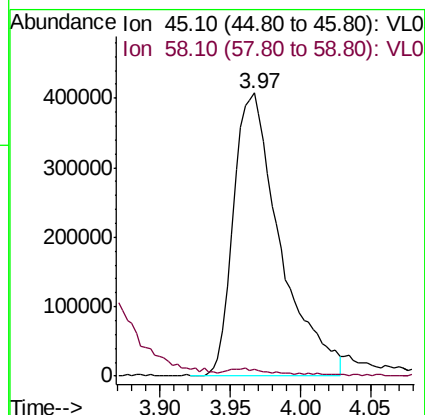
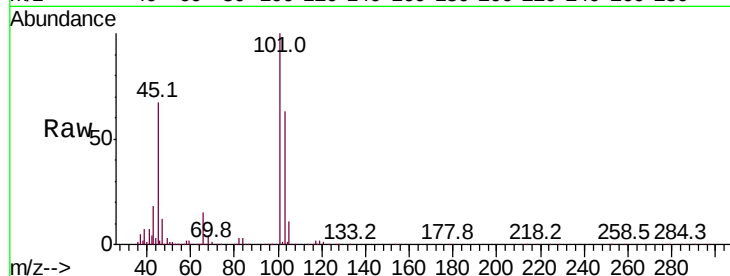
VSTDCCC010

Tot Ion: 45 Resp: 940656

Ion Ratio Lower Upper

45 100

58 3.1 1.4 2.2#



#20

Methylene Chloride

Concen: 7.720 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Tgt Ion: 84 Resp: 726874

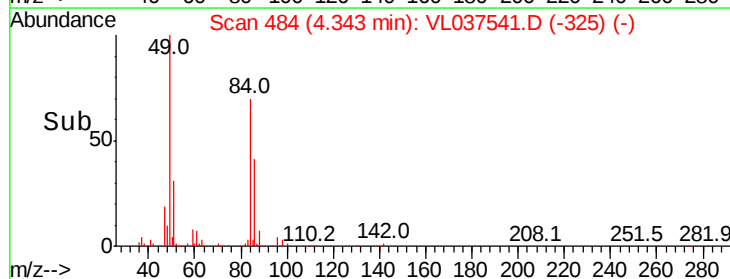
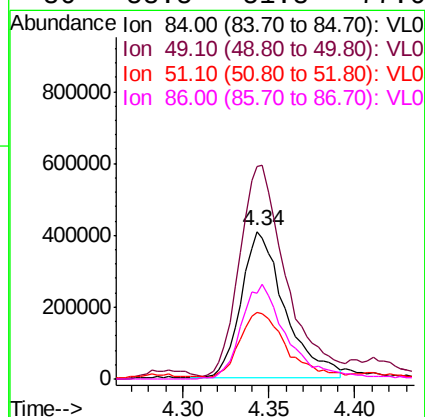
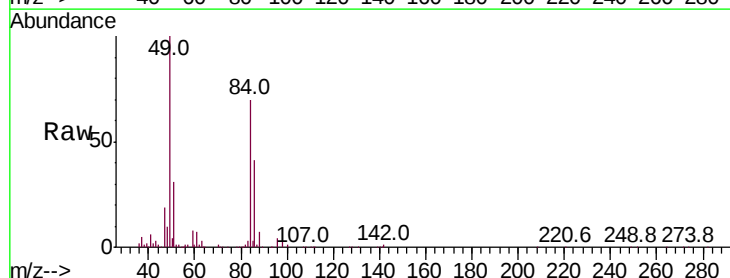
Ion Ratio Lower Upper

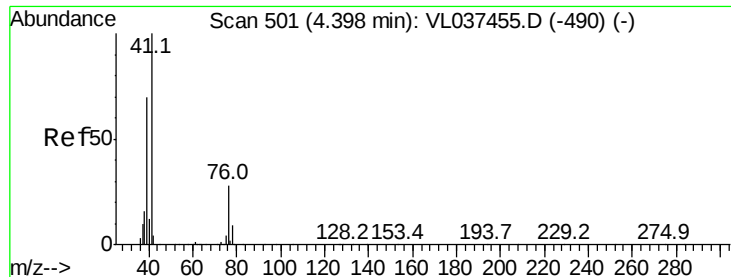
84 100

49 141.1 118.2 177.2

51 43.5 36.6 55.0

86 58.5 51.8 77.6

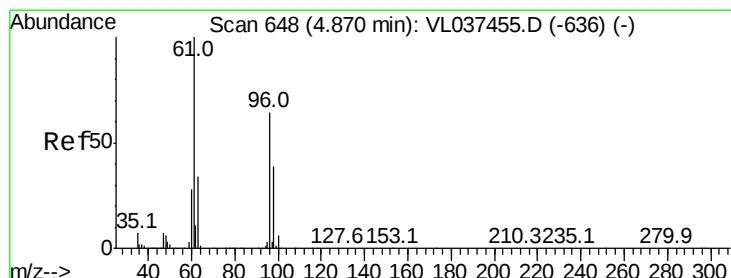
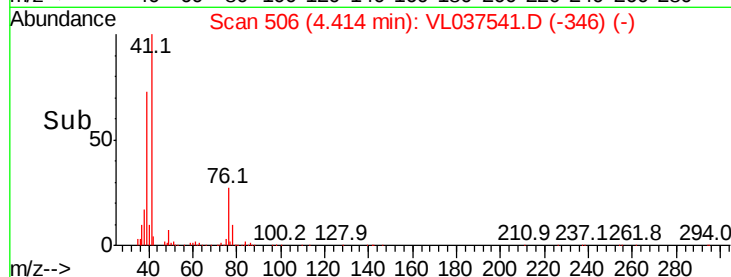
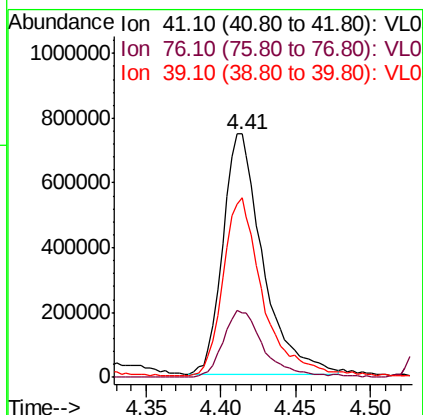
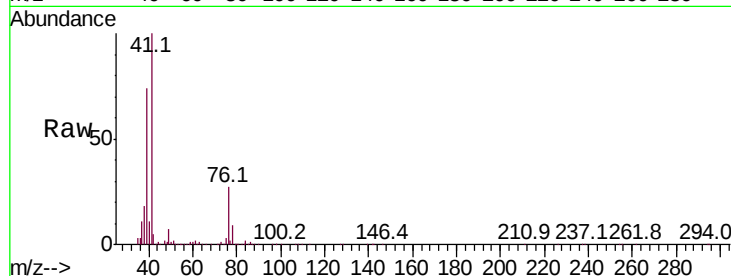




#21
Allvl Chloride
Concen: 9.068 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

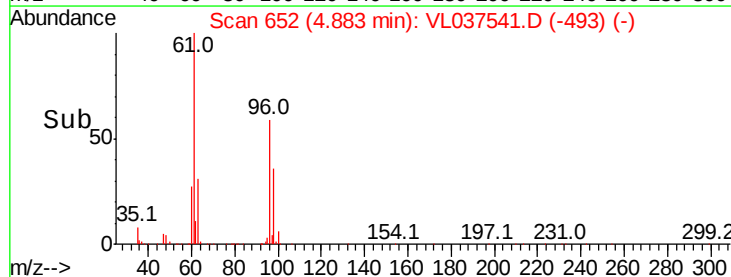
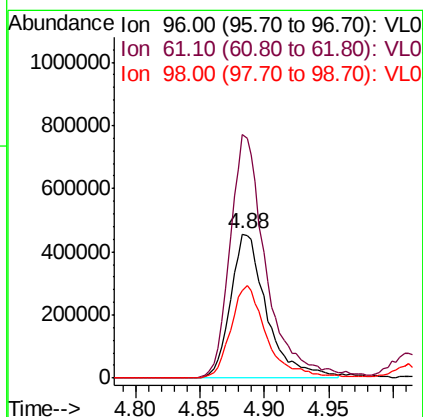
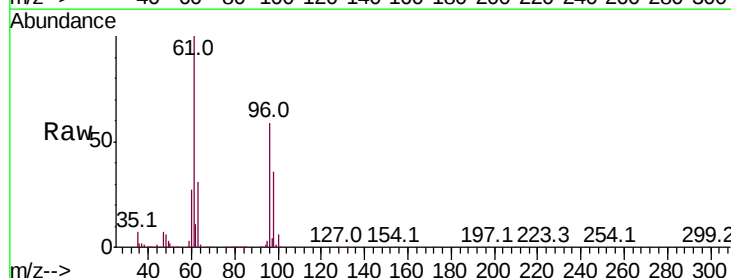
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

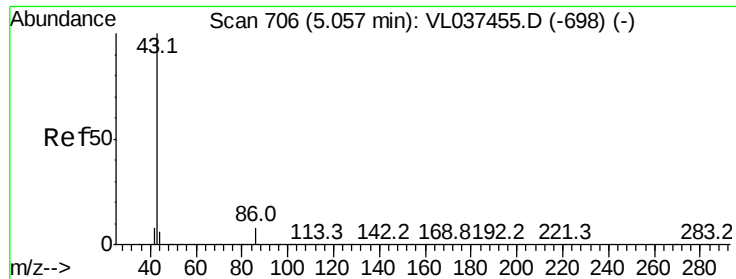
Tot Ion: 41 Resp: 1385123
Ion Ratio Lower Upper
41 100
76 28.4 21.8 32.6
39 73.6 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 9.590 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 96 Resp: 887591
Ion Ratio Lower Upper
96 100
61 169.0 125.5 188.3
98 60.9 49.0 73.4



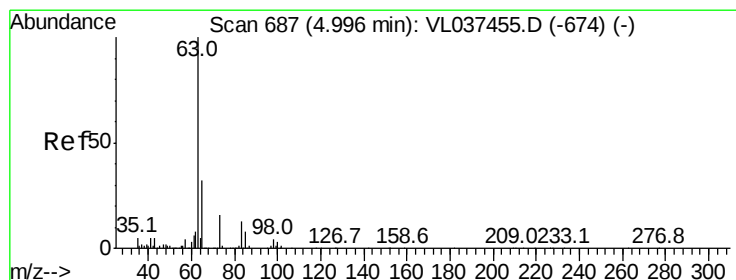
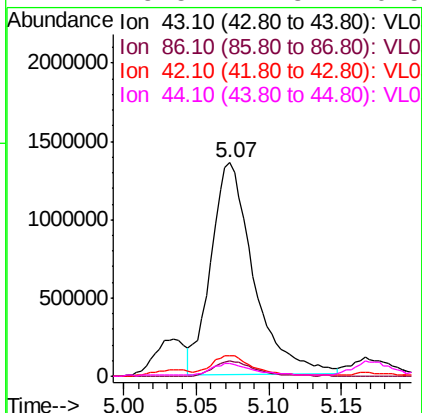
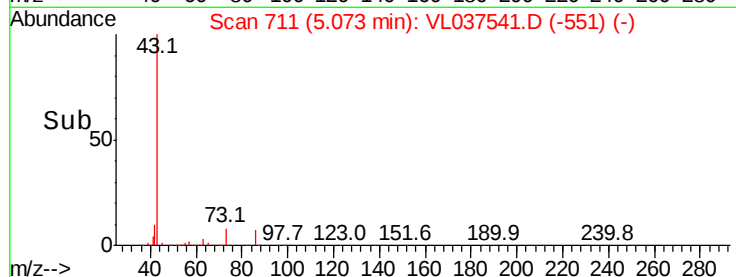
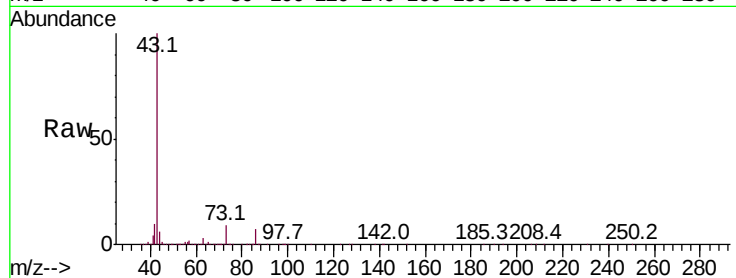


#23
 Vinyl Acetate
 Concen: 9.985 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 2767810

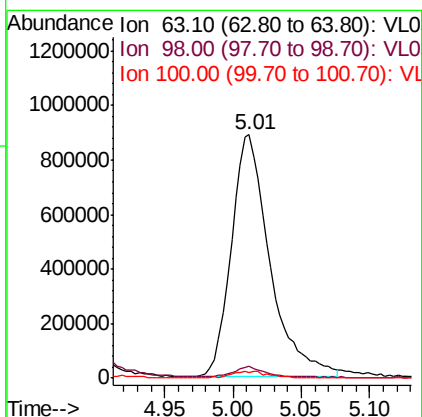
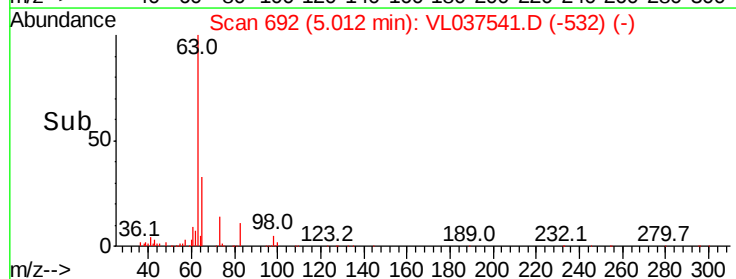
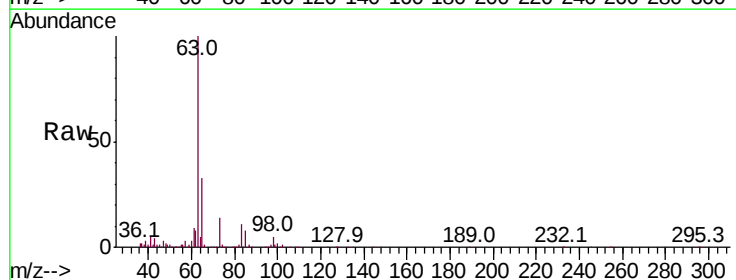
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.7	8.5
42	9.5	7.4	11.2
44	5.5	4.3	6.5

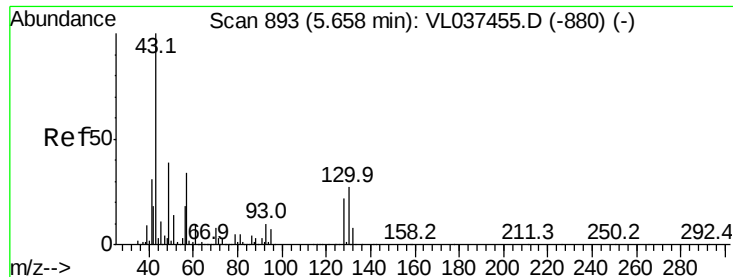


#24
 1,1-Dichloroethane
 Concen: 8.706 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion: 63 Resp: 1750383

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.3
100	2.3	1.6	4.7



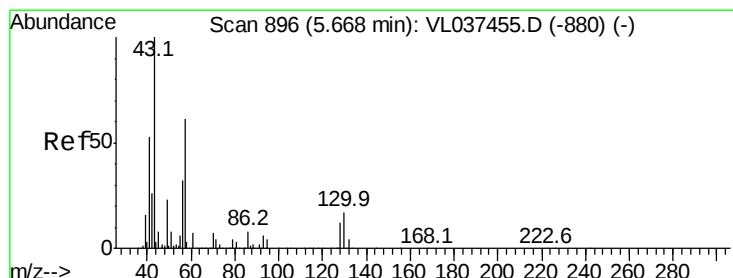
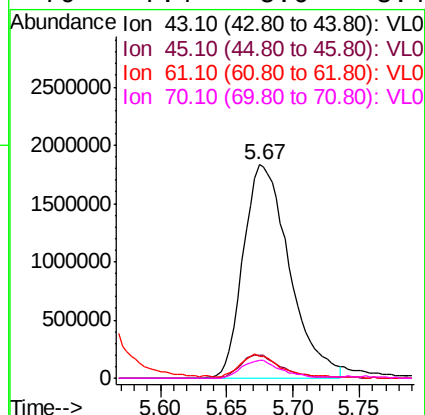
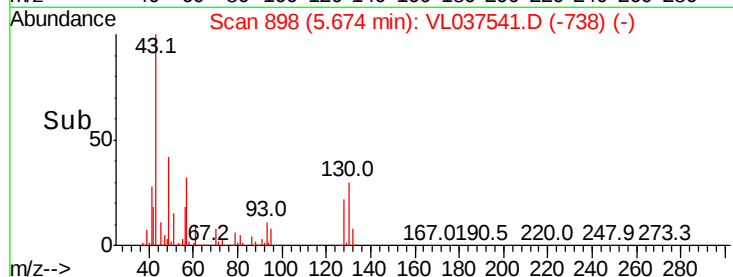
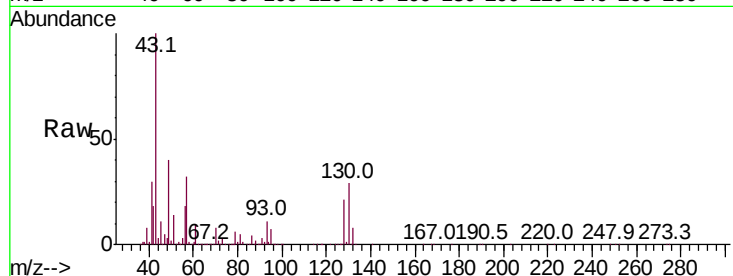


#25
Ethyl Acetate
Concen: 9.253 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 4417502

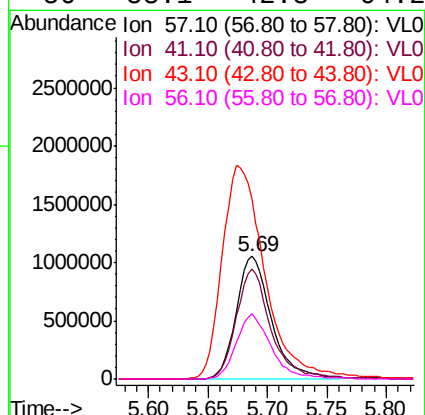
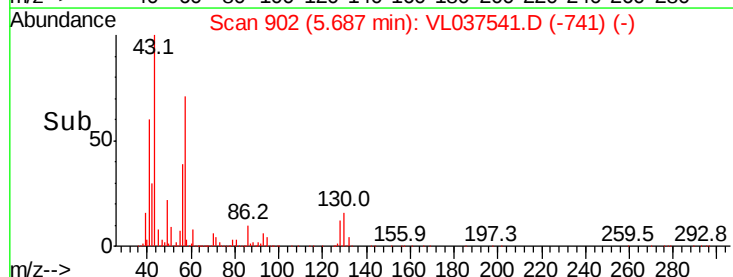
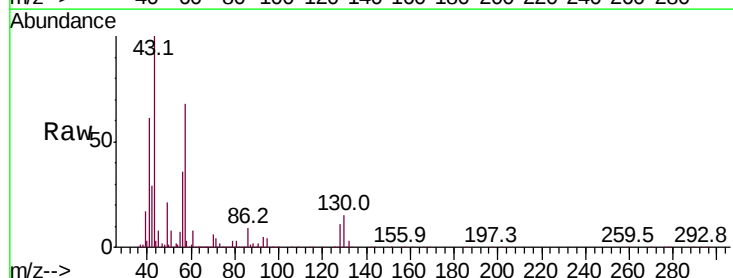
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	10.3	8.0	12.0
70	7.4	5.6	8.4

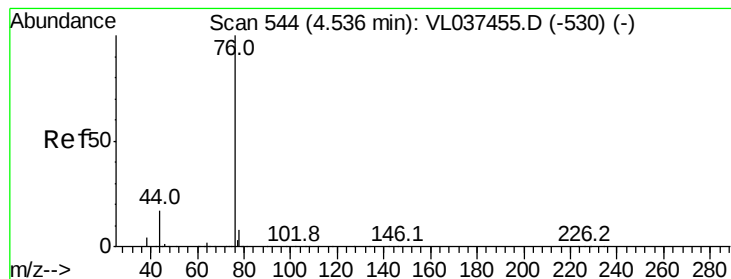


#26
Hexane
Concen: 9.232 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 57 Resp: 2155027

Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.3	108.5
43	212.5	172.3	258.5
56	53.1	42.8	64.2





#27

Carbon Disulfide

Concen: 10.195 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

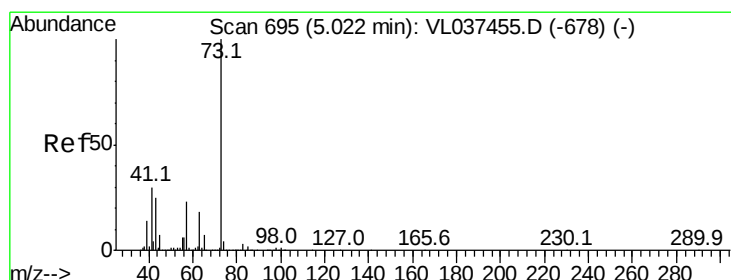
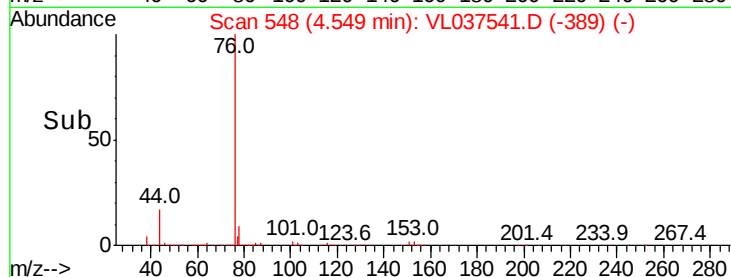
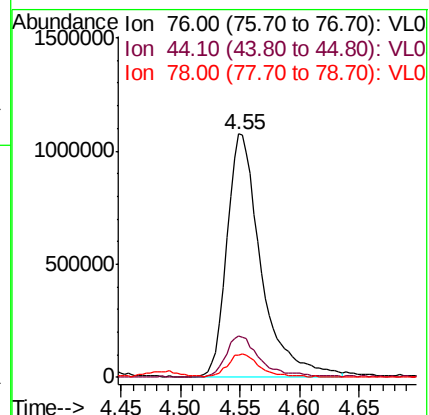
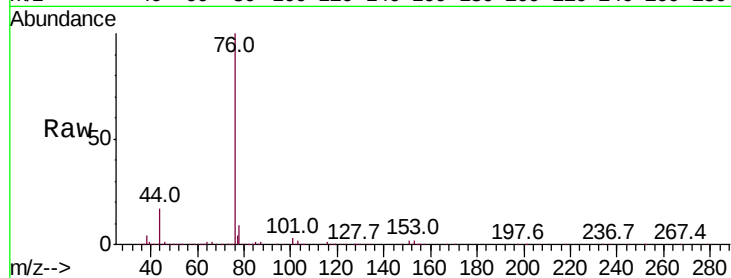
Tot Ion: 76 Resp: 2120893

Ion	Ratio	Lower	Upper
76	100		
44	17.2	13.9	20.9
78	9.9	7.9	11.9

76 100

44 17.2 13.9 20.9

78 9.9 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 8.277 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037541.D

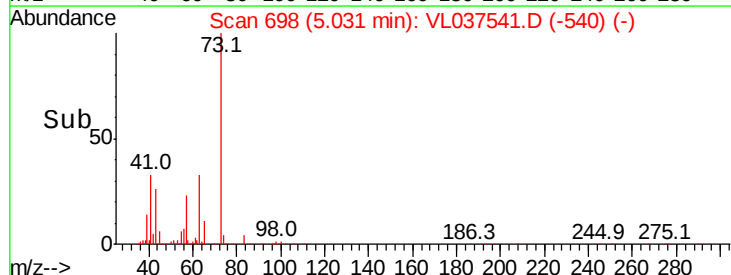
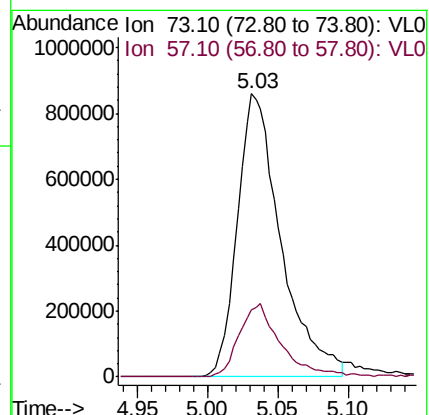
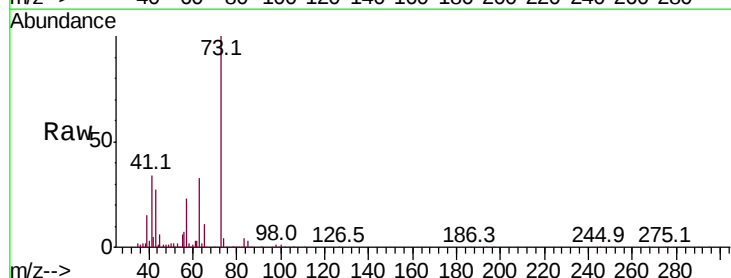
Acq: 7 Sep 2021 8:26

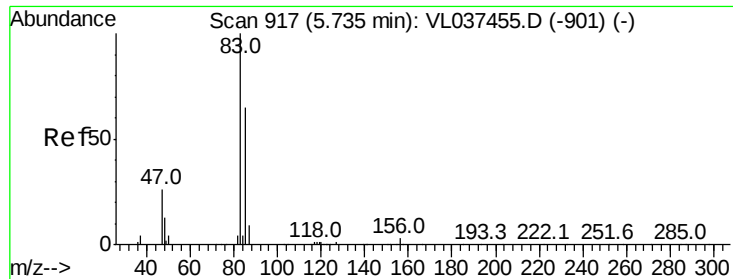
Tgt Ion: 73 Resp: 1855646

Ion	Ratio	Lower	Upper
73	100		
57	25.1	19.4	29.2

73 100

57 25.1 19.4 29.2

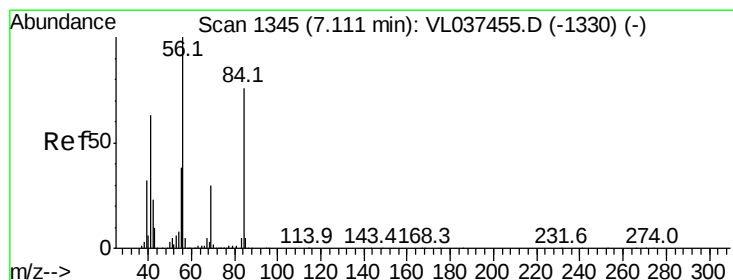
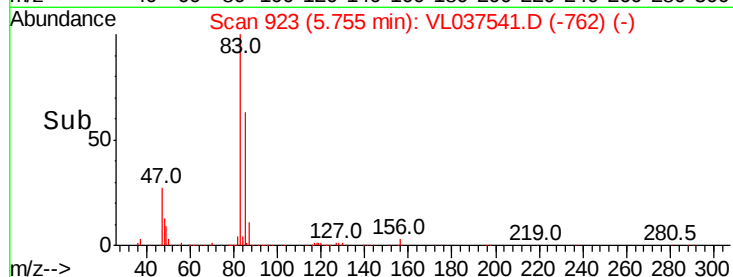
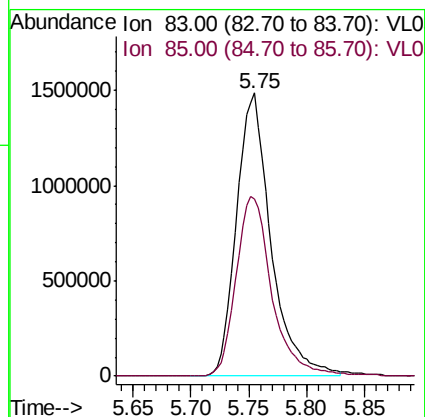
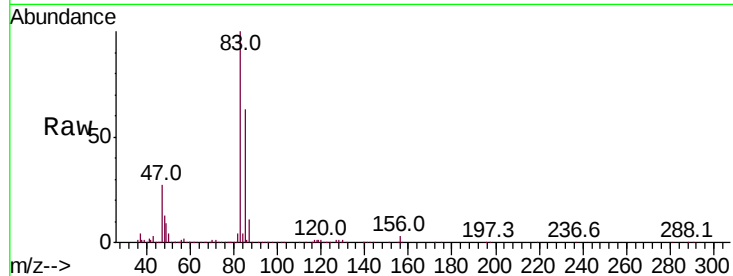




#29
Chloroform
Concen: 9.240 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

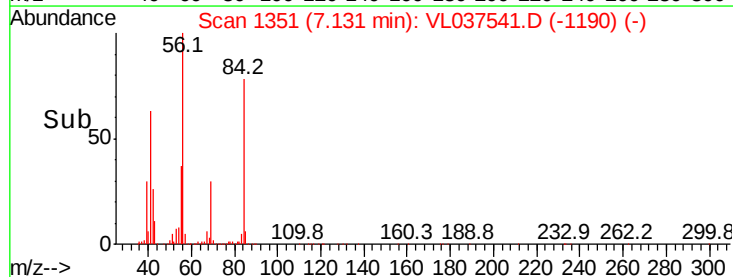
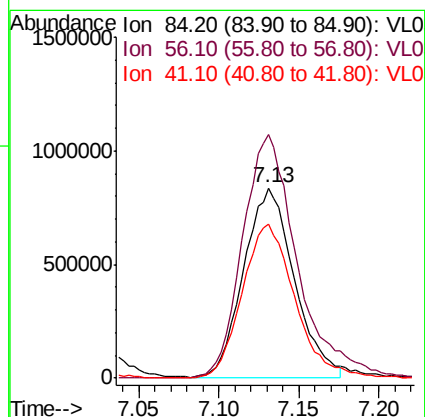
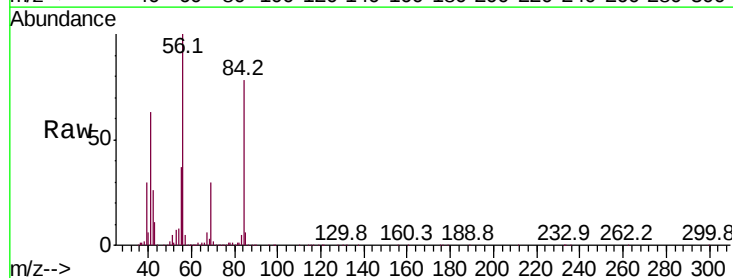
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

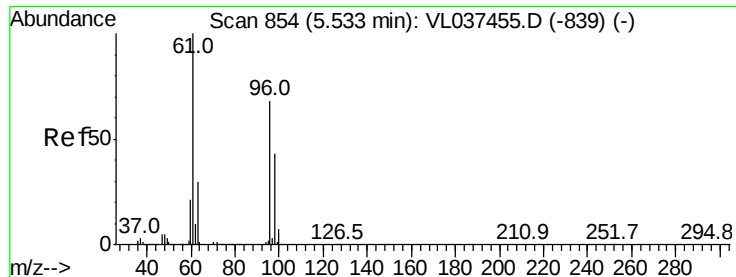
Tot Ion: 83 Resp: 3056732
Ion Ratio Lower Upper
83 100
85 62.5 52.3 78.5



#30
Cyclohexane
Concen: 9.258 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 84 Resp: 1800674
Ion Ratio Lower Upper
84 100
56 141.3 110.6 165.8
41 84.9 67.0 100.6



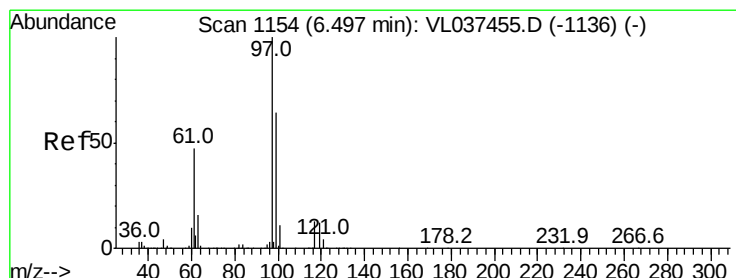
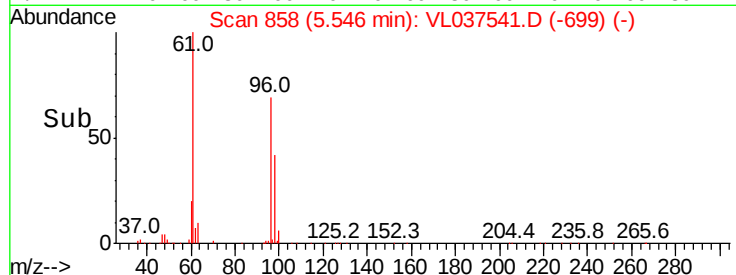
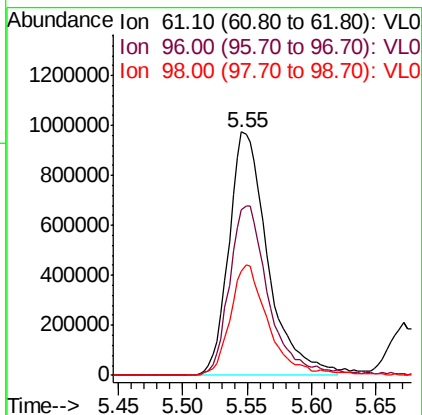
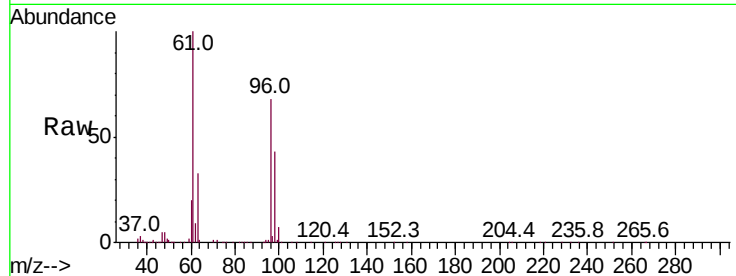


#31

cis-1,2-Dichloroethene
Concen: 9.622 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

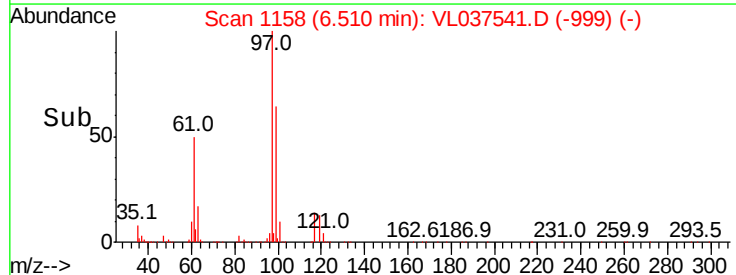
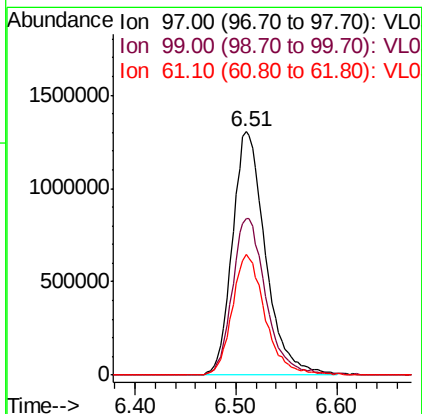
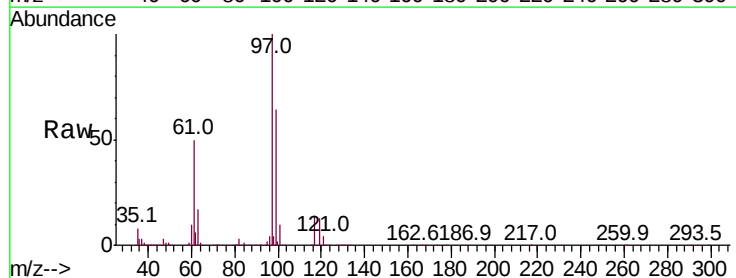
Tot Ion: 61 Resp: 2032747
Ion Ratio Lower Upper
61 100
96 67.8 54.8 82.2
98 42.7 34.2 51.2

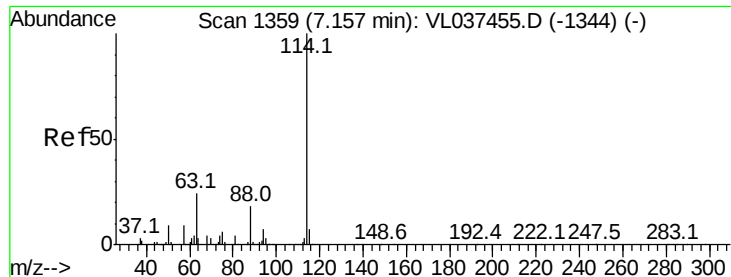


#32

1,1,1-Trichloroethane
Concen: 9.135 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 97 Resp: 2969111
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.6
61 49.5 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

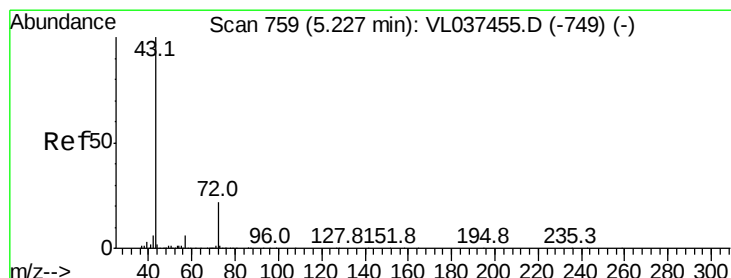
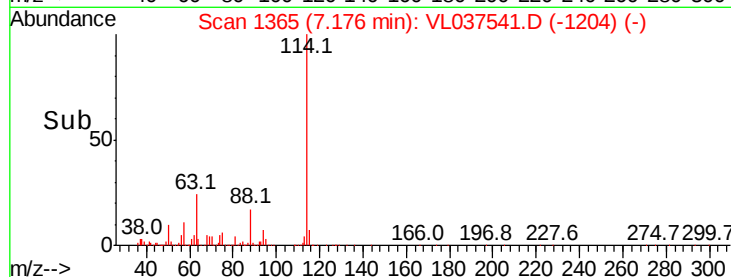
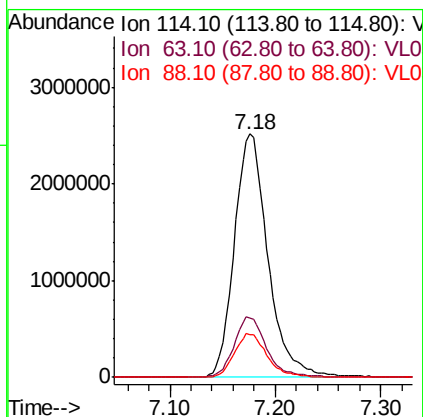
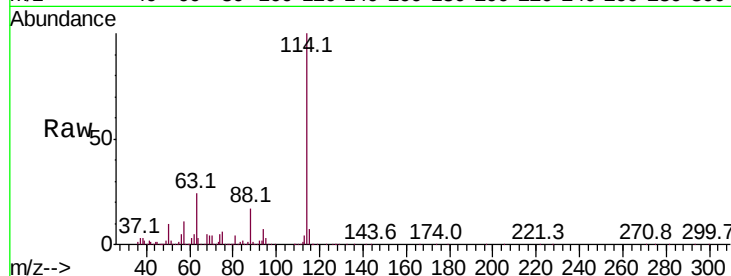
Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:114 Resp: 5547285

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.3	28.9
88	17.7	14.2	21.4



#34

2-Butanone

Concen: 9.051 ppbv

RT: 5.24 min Scan# 764

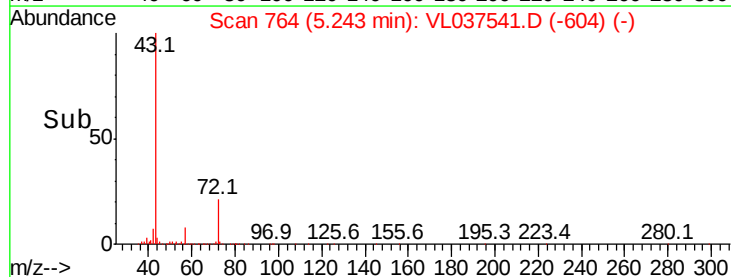
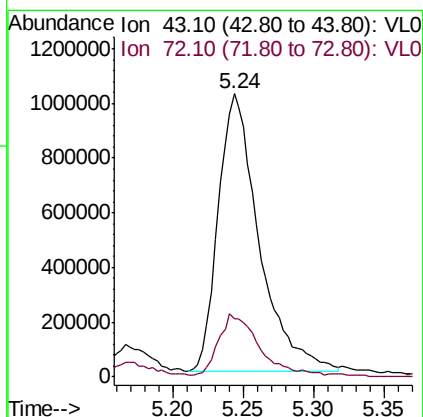
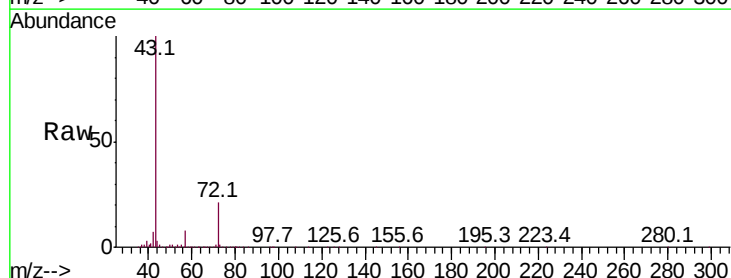
Delta R.T. 0.02 min

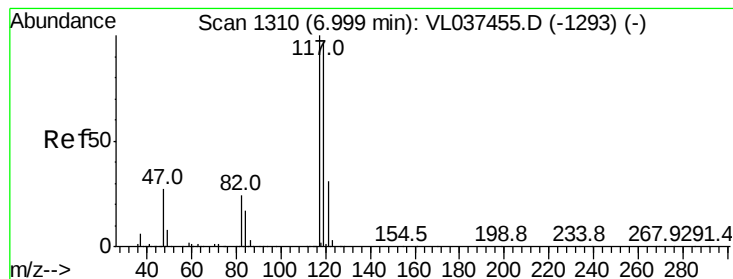
Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Tgt Ion: 43 Resp: 2050285

Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.4	26.0





#35

Carbon Tetrachloride

Concen: 9.443 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

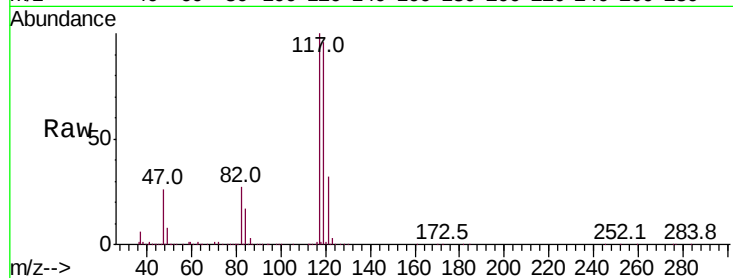
Tot Ion:117 Resp: 3095678

Ion Ratio Lower Upper

117 100

119 96.4 77.3 115.9

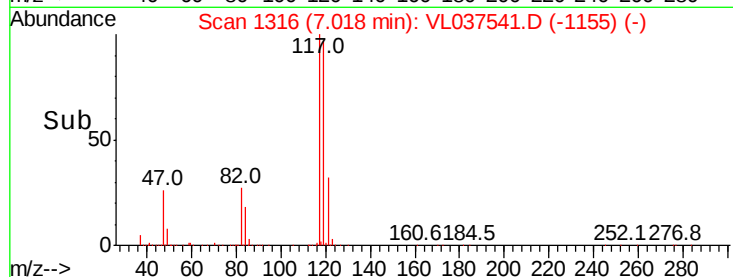
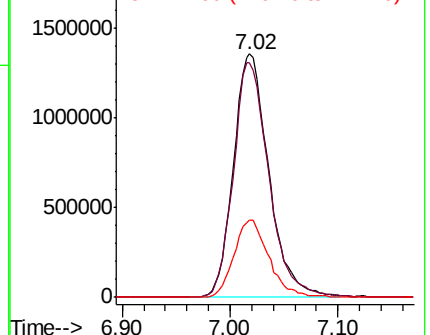
121 31.5 25.2 37.8



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: 9.543 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

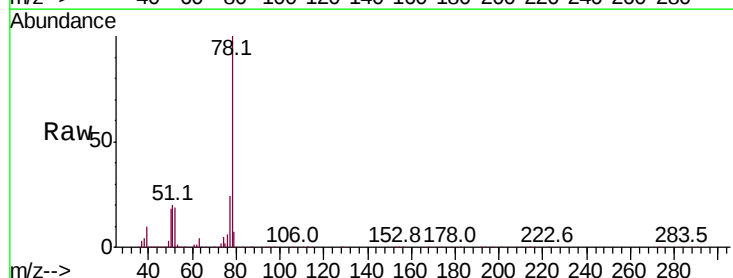
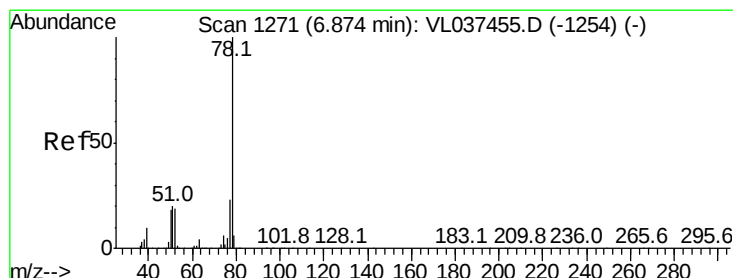
Tgt Ion: 78 Resp: 4450178

Ion Ratio Lower Upper

78 100

77 23.6 18.2 27.4

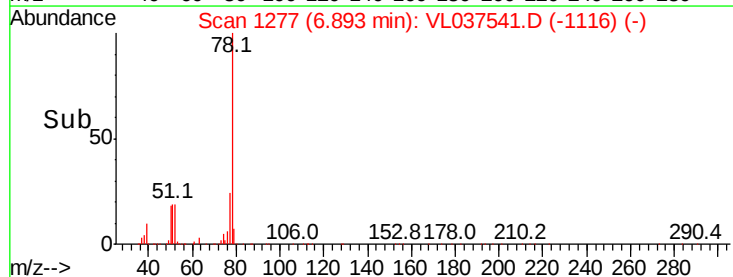
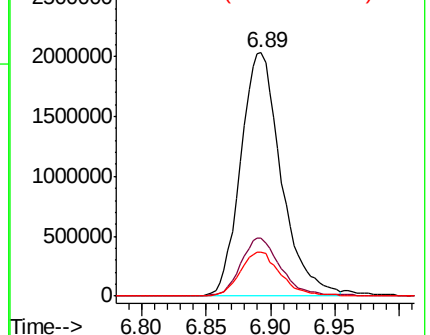
50 18.1 14.6 21.8

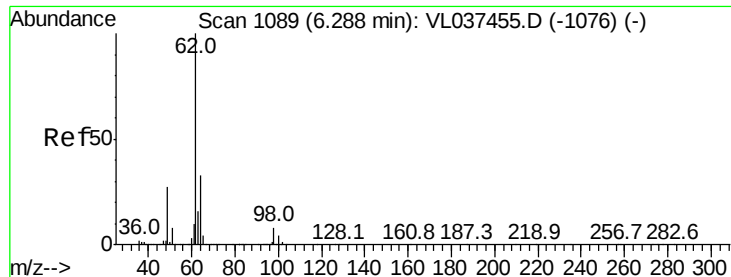


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

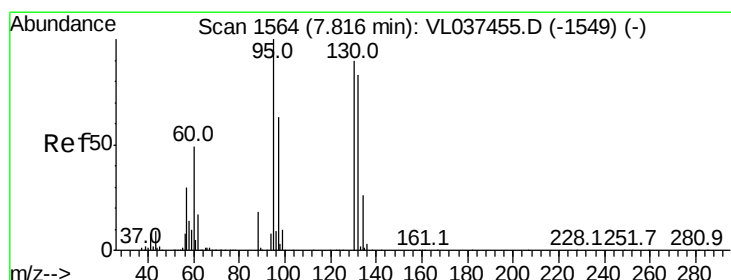
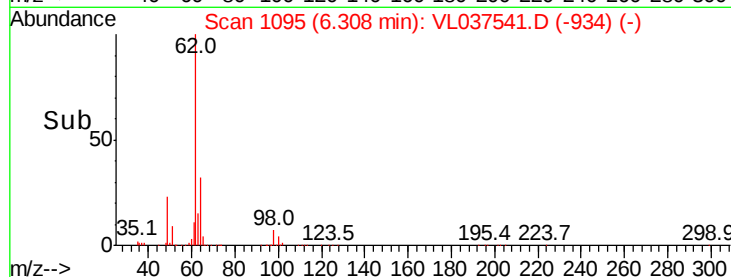
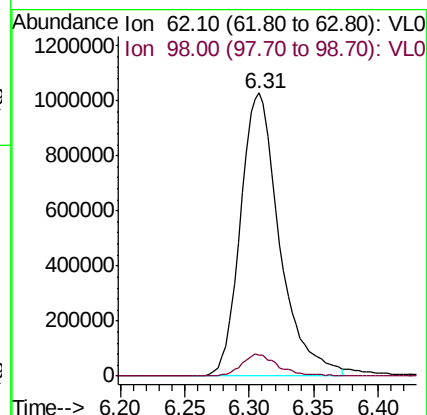
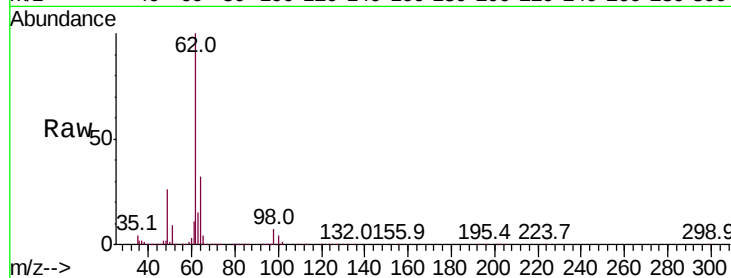




#37
 1,2-Dichloroethane
 Concen: 9.389 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

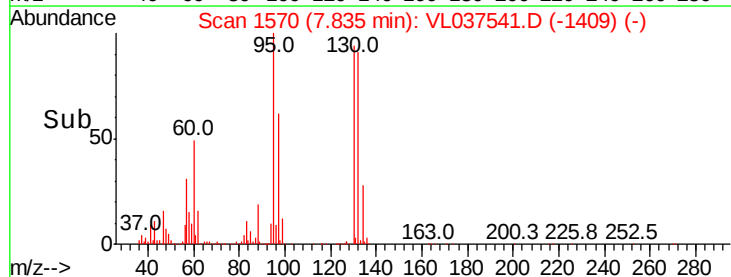
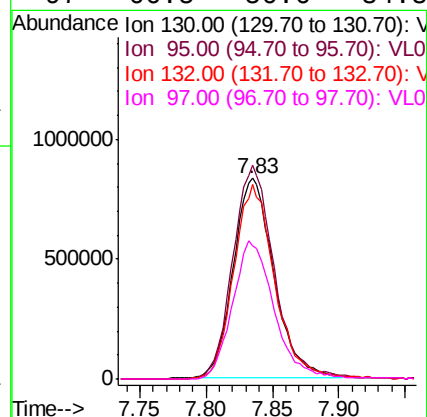
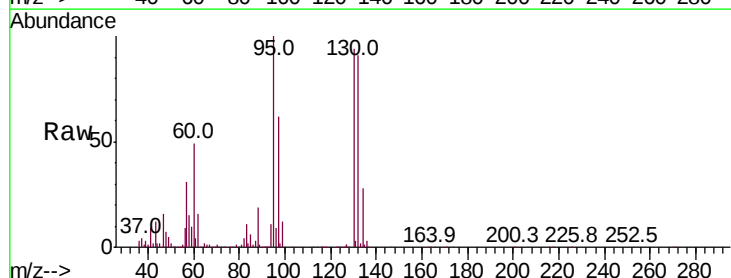
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

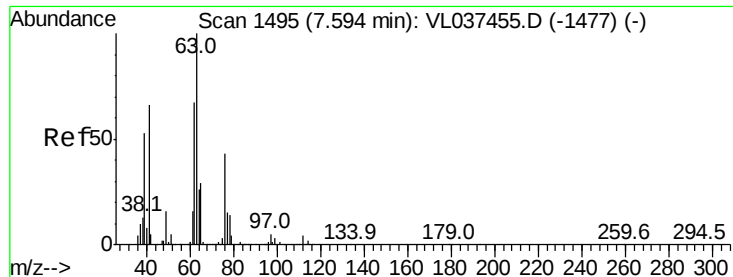
Tot Ion: 62 Resp: 2168738
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.0 9.0



#38
 Trichloroethene
 Concen: 9.273 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion: 130 Resp: 1774218
 Ion Ratio Lower Upper
 130 100
 95 106.6 89.2 133.8
 132 96.8 74.0 111.0
 97 66.5 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.566 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

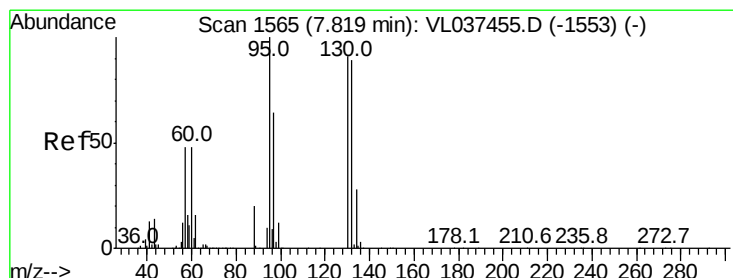
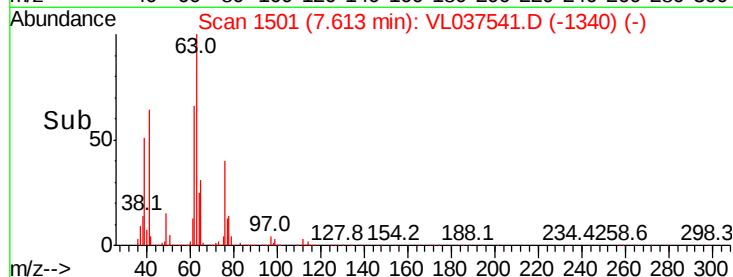
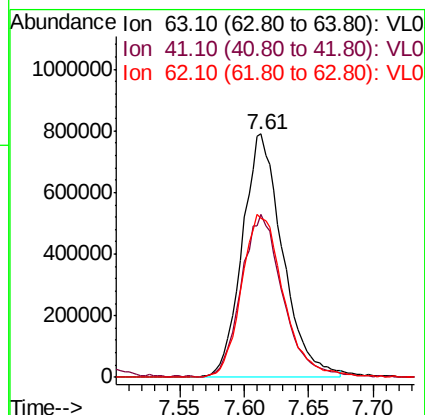
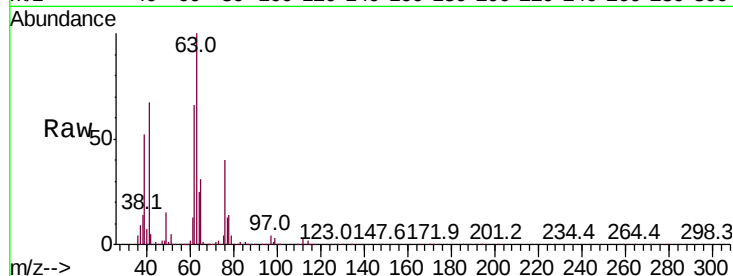
Tot Ion: 63 Resp: 1714053

Ion Ratio Lower Upper

63 100

41 66.5 52.4 78.6

62 65.6 53.6 80.4



#40

1,4-Dioxane

Concen: 8.603 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Tgt Ion: 88 Resp: 377659

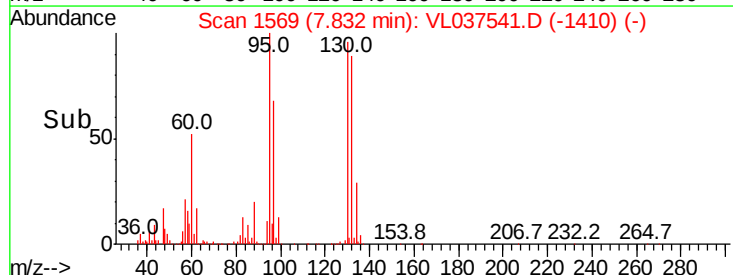
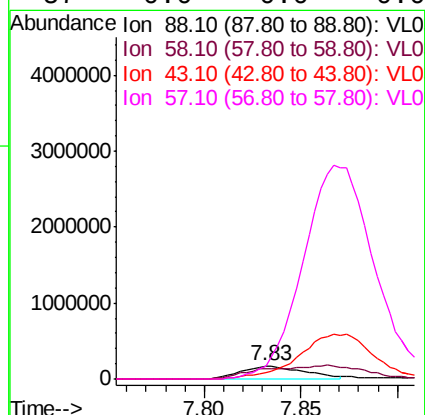
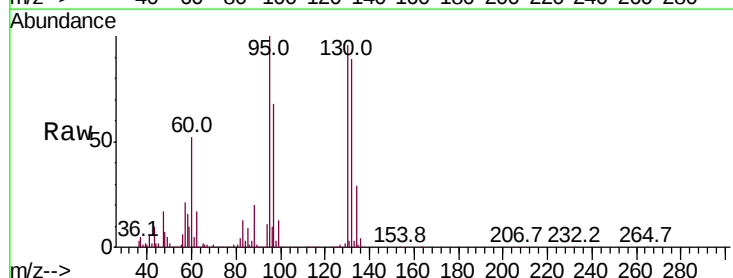
Ion Ratio Lower Upper

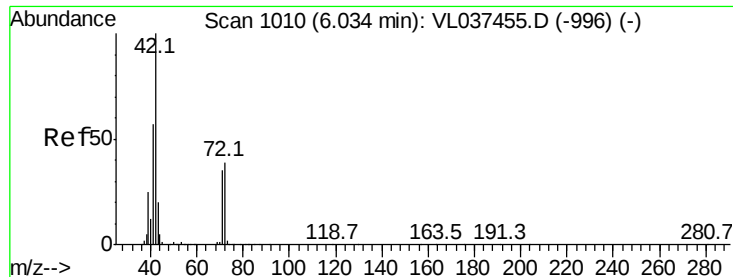
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.950 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

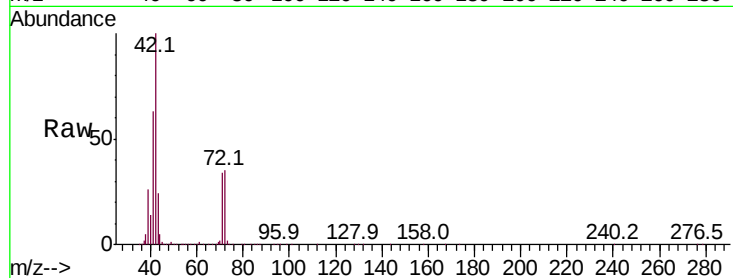
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 42 Resp: 1085811

Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.2	48.4
71	38.5	30.5	45.7

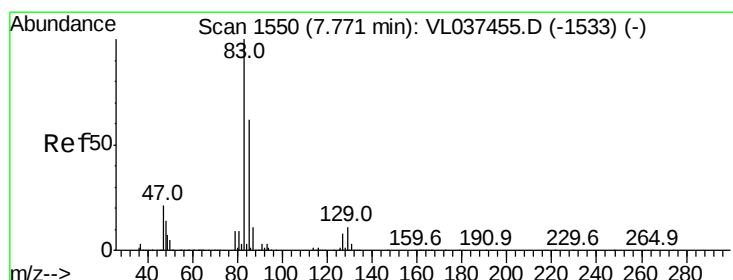
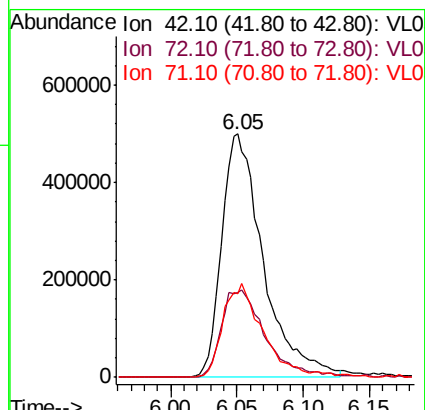
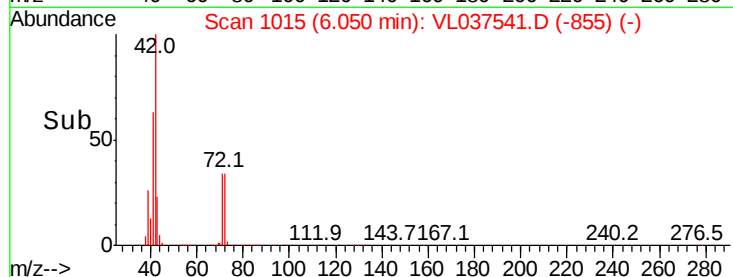


Abundance

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: 9.672 ppbv

RT: 7.79 min Scan# 1556

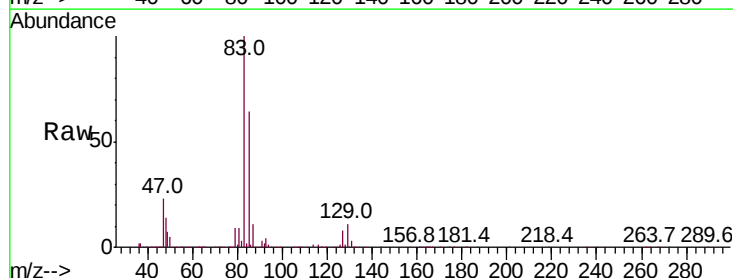
Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Tgt Ion: 83 Resp: 3266715

Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.5	74.3
127	8.5	6.3	9.5

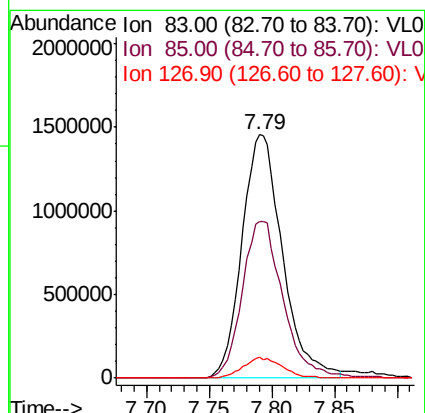
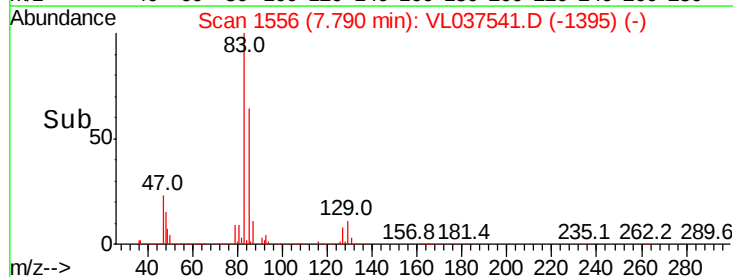


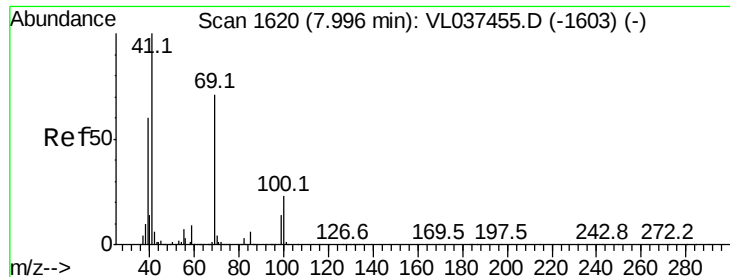
Abundance

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

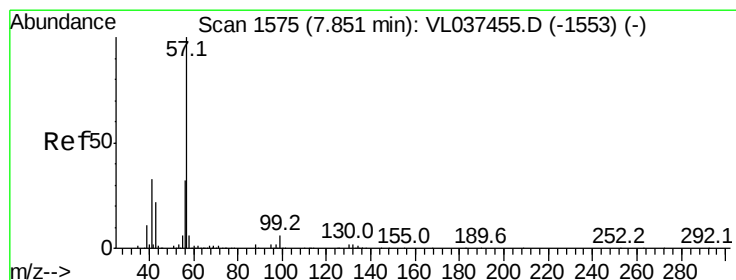
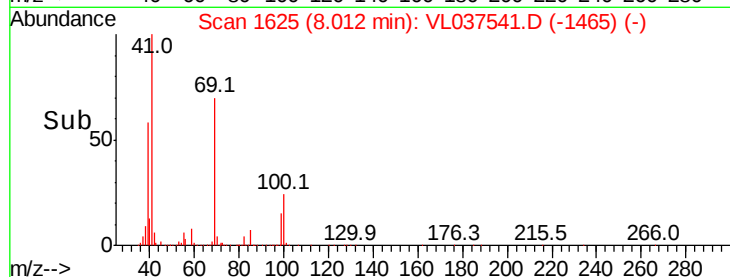
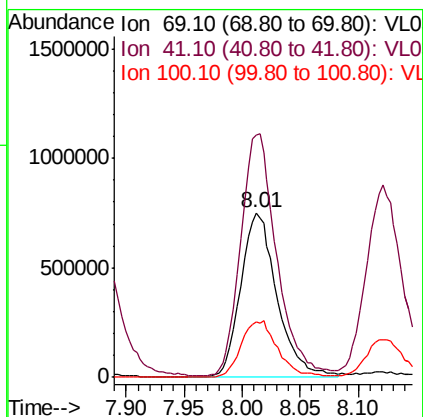
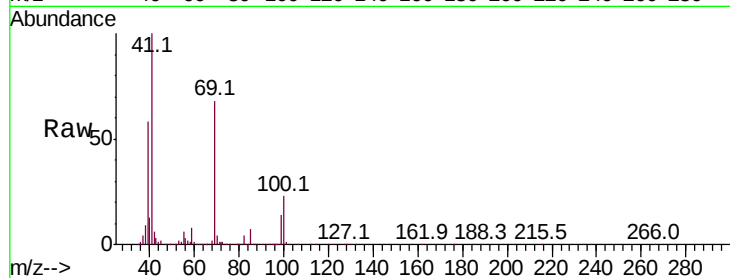




#43
Methvl Methacrilate
Concen: 10.061 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

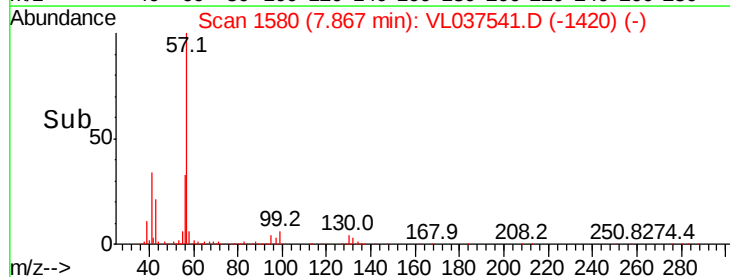
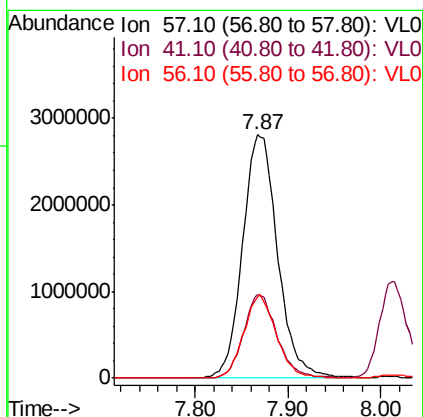
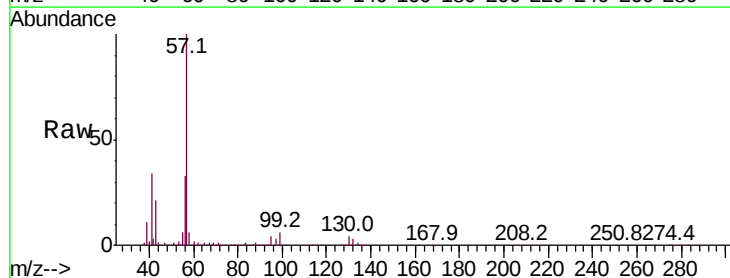
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

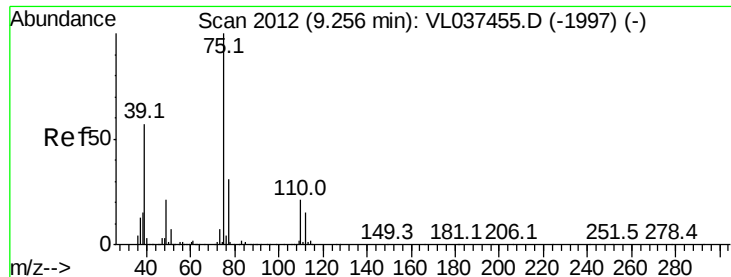
Tot Ion: 69 Resp: 1635302
Ion Ratio Lower Upper
69 100
41 147.8 118.6 178.0
100 35.1 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 9.378 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 57 Resp: 7359849
Ion Ratio Lower Upper
57 100
41 32.8 26.2 39.4
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.086 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

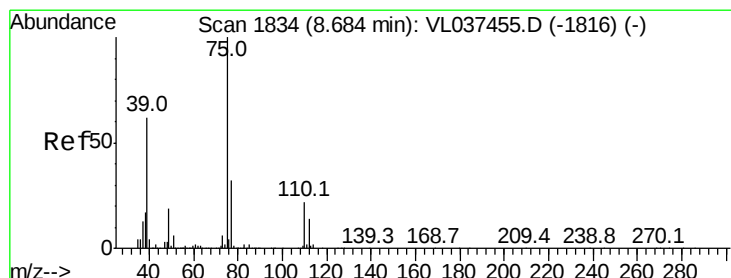
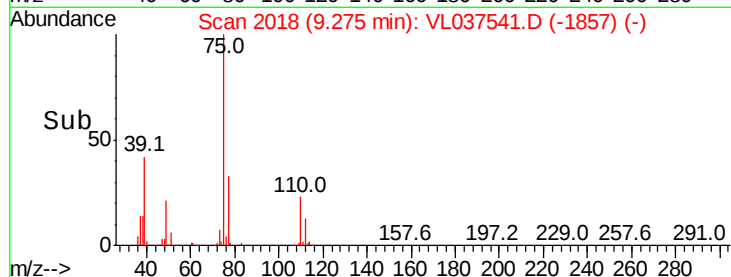
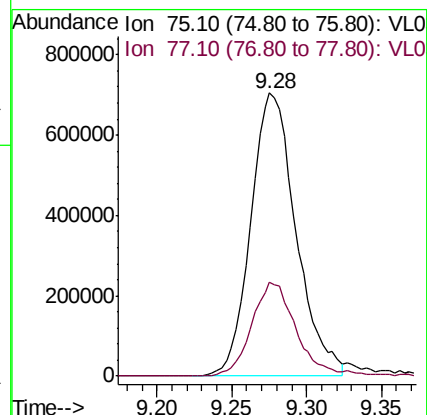
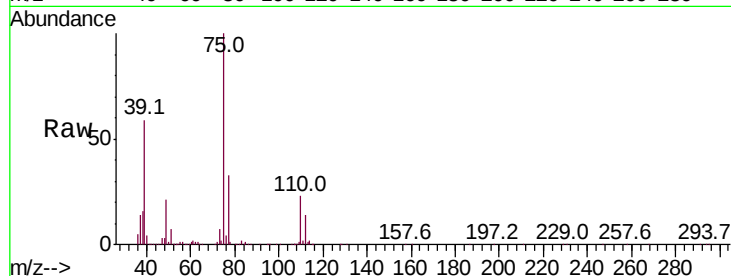
VSTDCCC010

Tot Ion: 75 Resp: 1478740

Ion Ratio Lower Upper

75 100

77 33.2 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 11.210 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

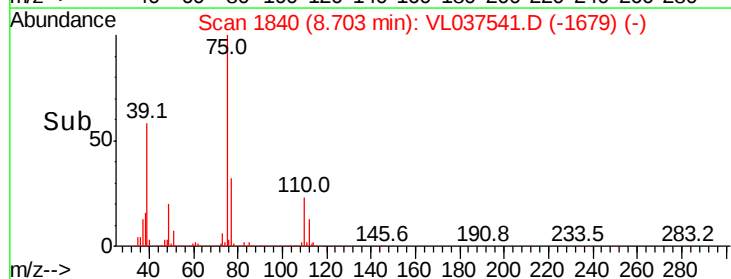
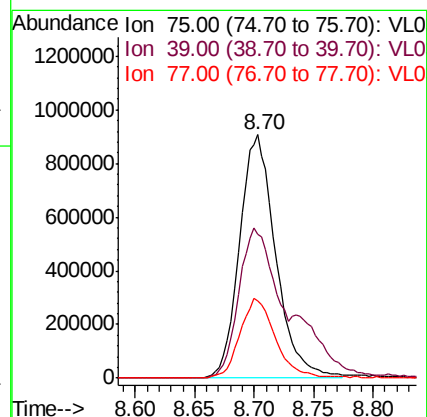
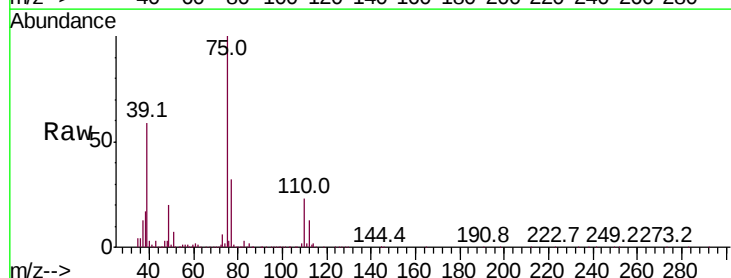
Tgt Ion: 75 Resp: 1913276

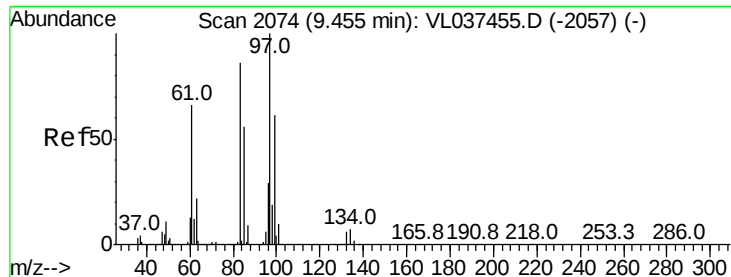
Ion Ratio Lower Upper

75 100

39 59.1 49.7 74.5

77 31.8 25.4 38.0

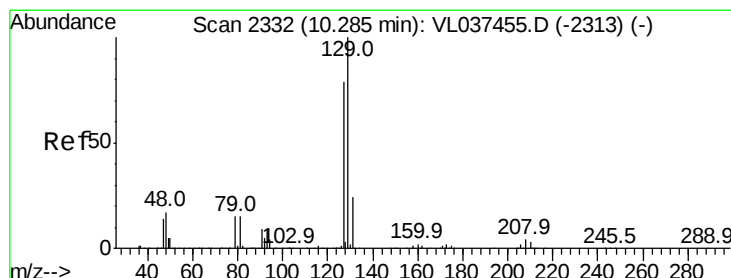
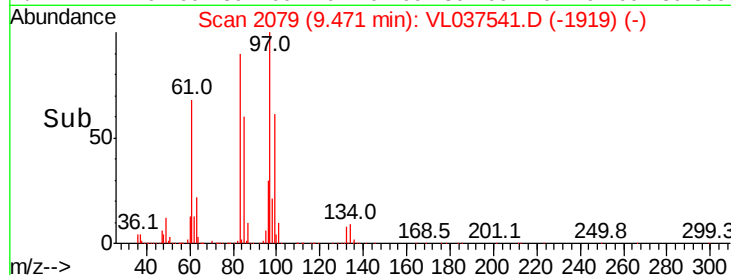
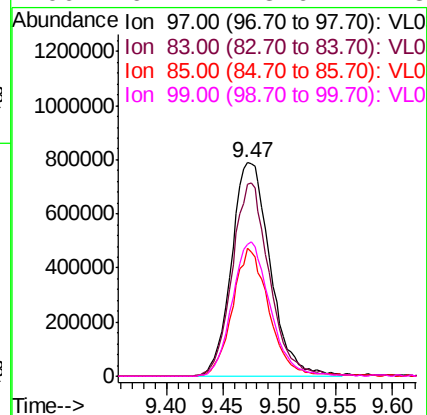
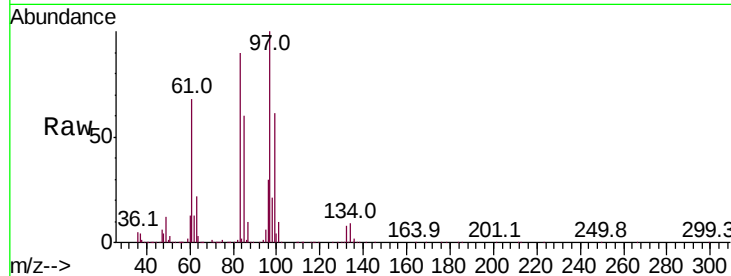




#47
 1,1,2-Trichloroethane
 Concen: 9.679 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

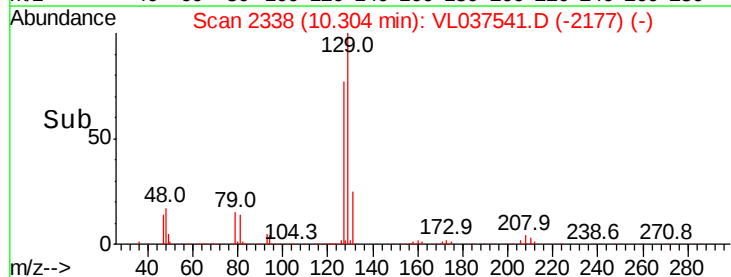
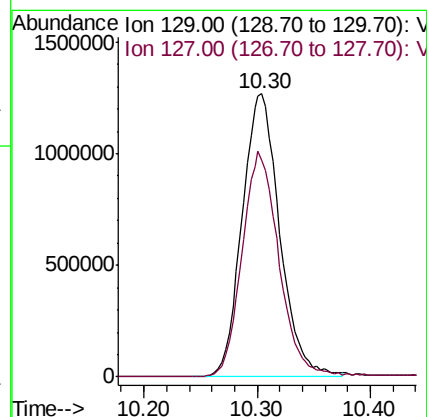
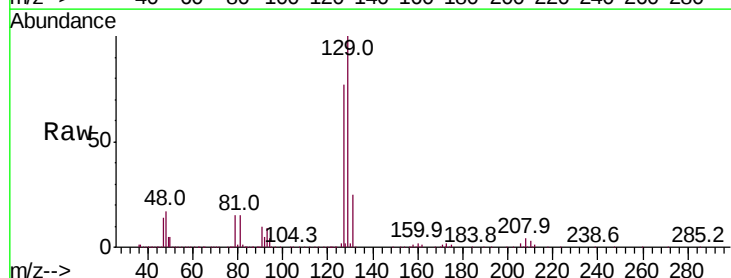
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

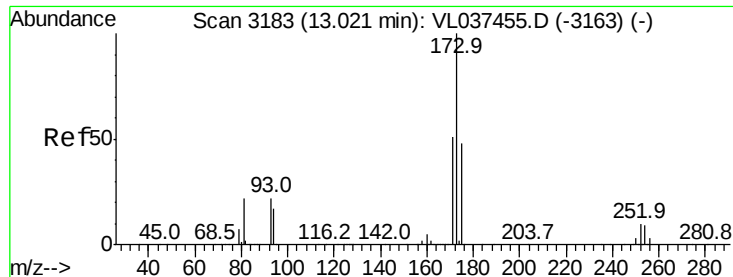
Tot Ion: 97 Resp: 1874020
 Ion Ratio Lower Upper
 97 100
 83 90.1 68.7 103.1
 85 59.8 44.7 67.1
 99 61.4 48.6 72.8



#48
 Dibromochloromethane
 Concen: 10.516 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion: 129 Resp: 2930099
 Ion Ratio Lower Upper
 129 100
 127 79.2 40.0 120.0





#49

Bromoform

Concen: 11.294 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

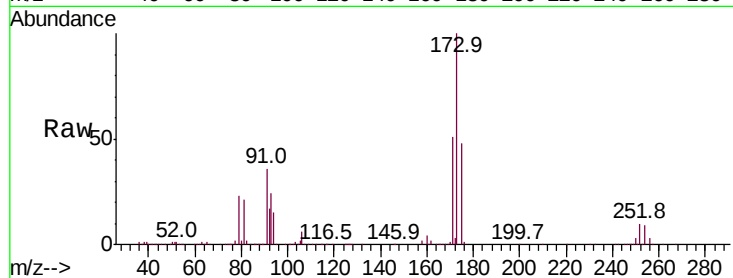
Tot Ion:173 Resp: 2480622

Ion	Ratio	Lower	Upper
173	100		
175	49.8	41.9	62.9
171	53.1	44.2	66.4

173 100

175 49.8 41.9 62.9

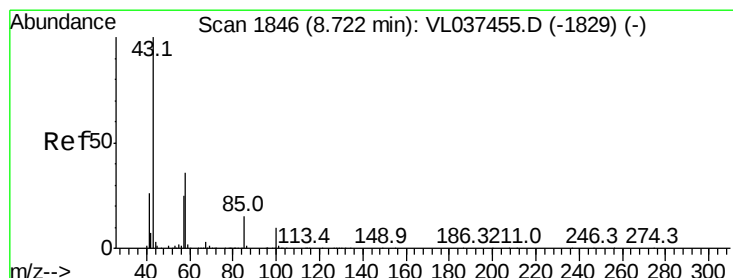
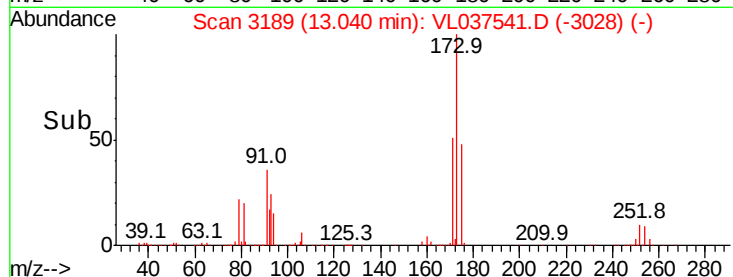
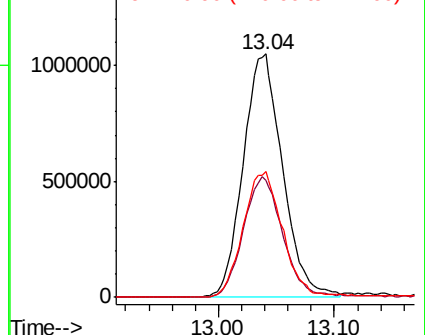
171 53.1 44.2 66.4



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: 10.211 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL037541.D

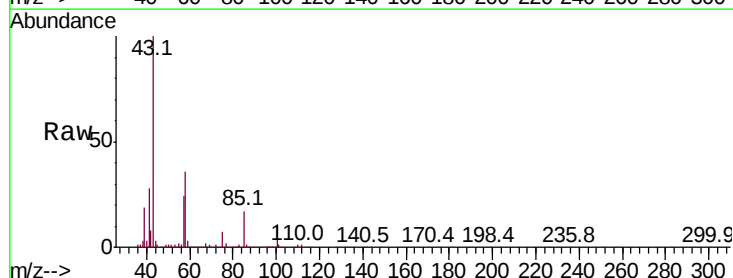
Acq: 7 Sep 2021 8:26

Tgt Ion: 43 Resp: 3017622

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.9	44.9

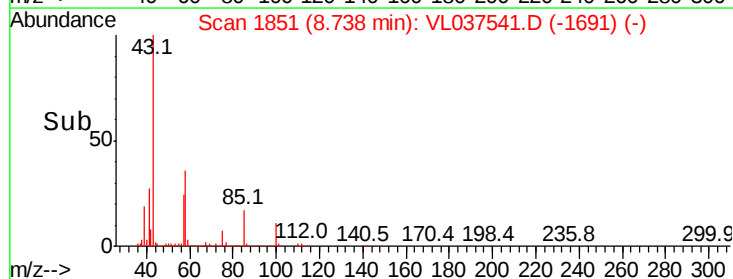
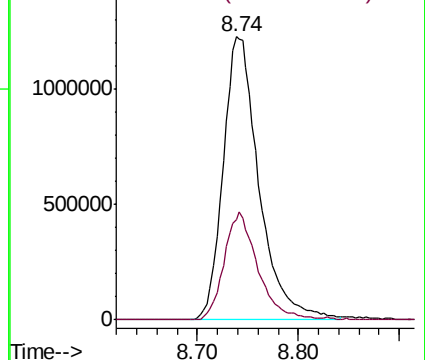
43 100

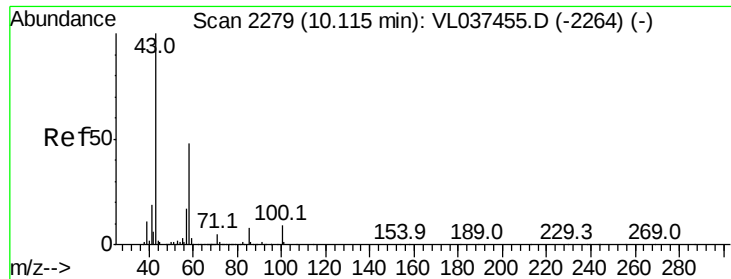
58 36.7 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

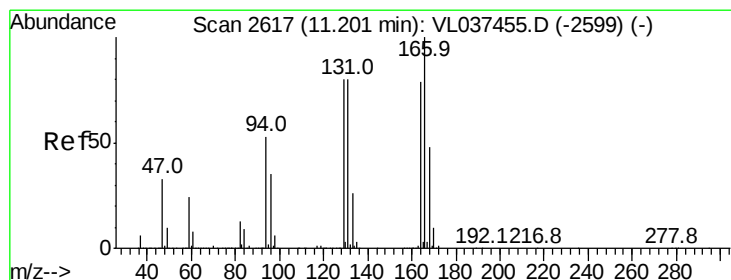
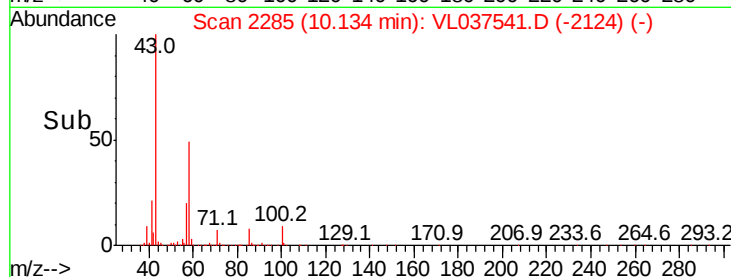
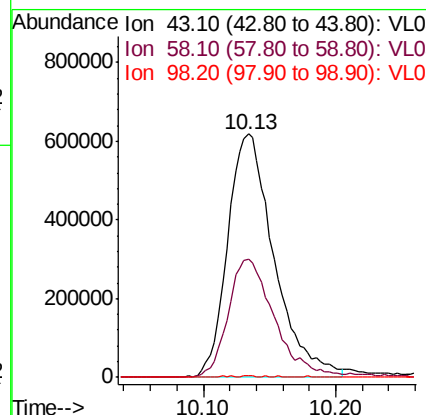
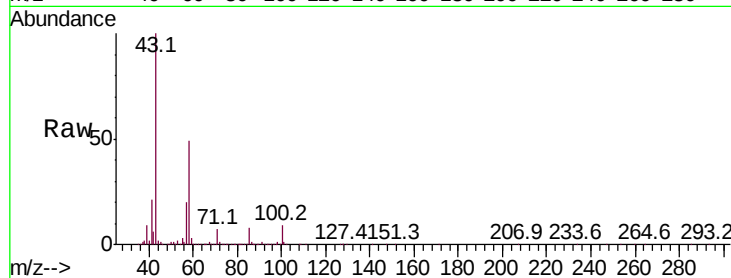




#51
2-Hexanone
Concen: 10.929 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

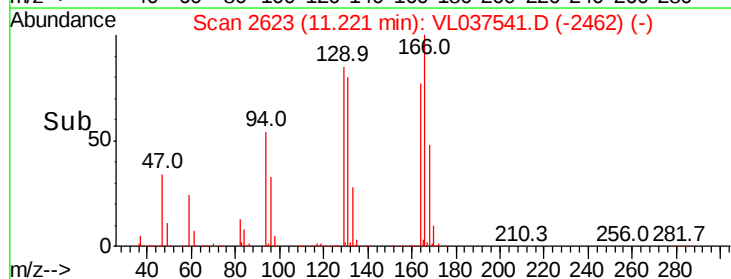
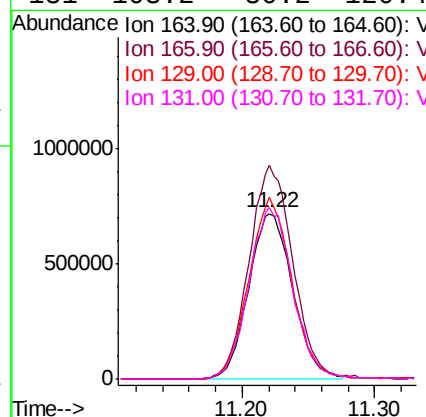
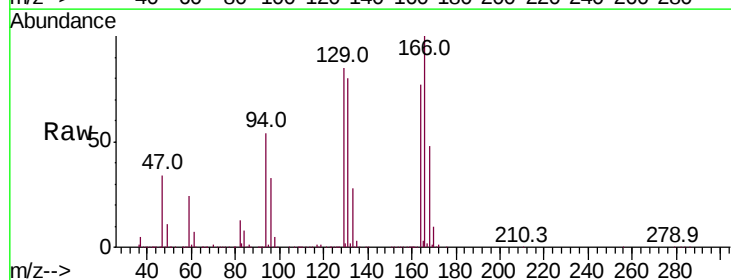
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

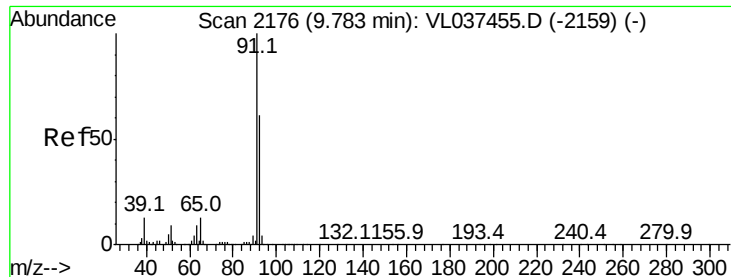
Tot Ion: 43 Resp: 1485538
Ion Ratio Lower Upper
43 100
58 50.2 41.0 61.6
98 0.7 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.661 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 164 Resp: 1655072
Ion Ratio Lower Upper
164 100
166 129.0 100.7 151.1
129 109.5 80.9 121.3
131 103.2 80.2 120.4





#53

Toluene

Concen: 9.831 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

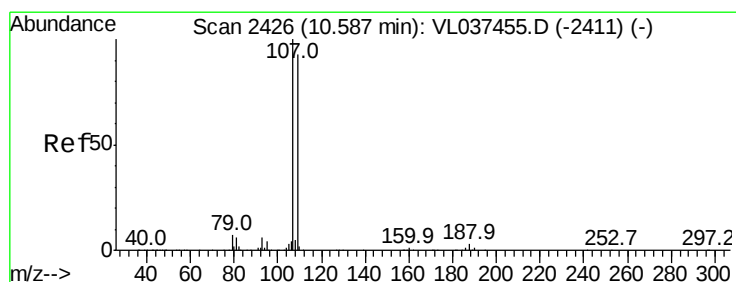
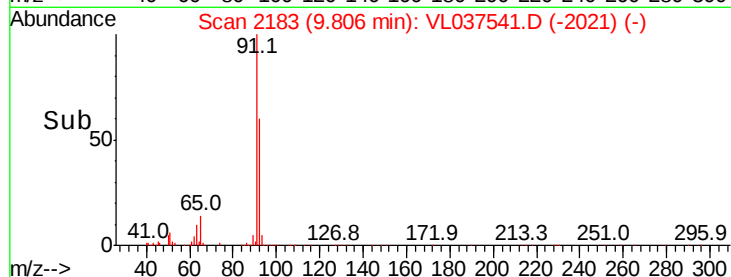
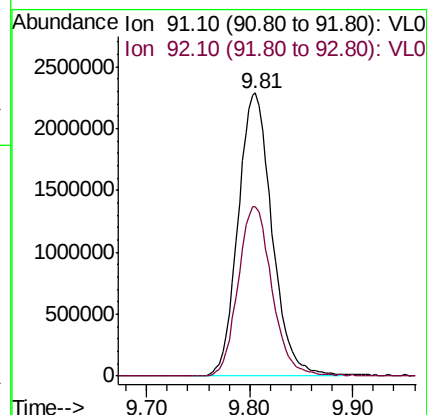
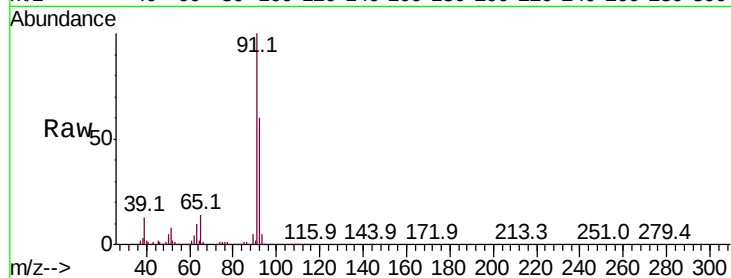
VSTDCCC010

Tot Ion: 91 Resp: 5234713

Ion Ratio Lower Upper

91 100

92 60.1 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.818 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL037541.D

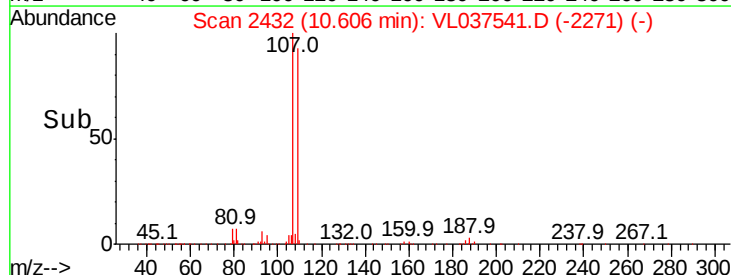
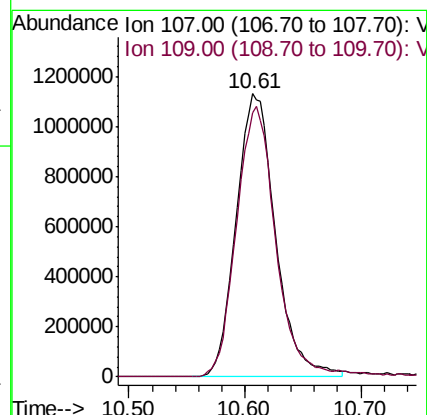
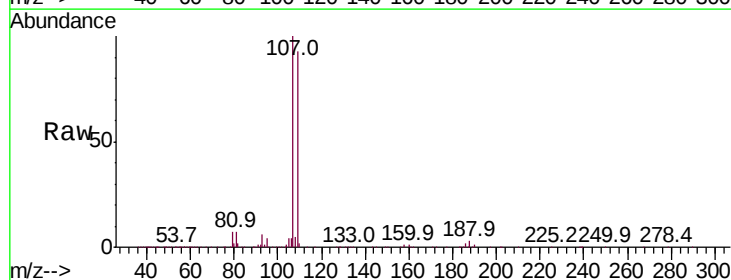
Acq: 7 Sep 2021 8:26

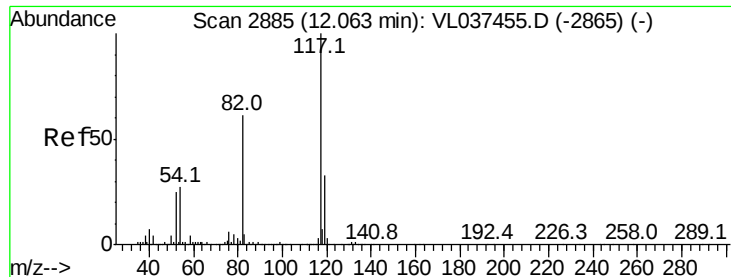
Tgt Ion: 107 Resp: 2653806

Ion Ratio Lower Upper

107 100

109 93.2 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

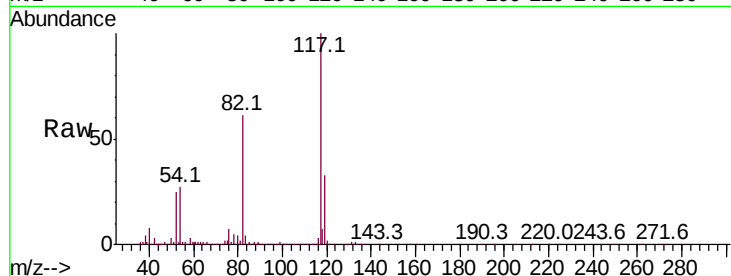
Tot Ion:117 Resp: 6331376

Ion Ratio Lower Upper

117 100

82 51.0 52.9 79.3#

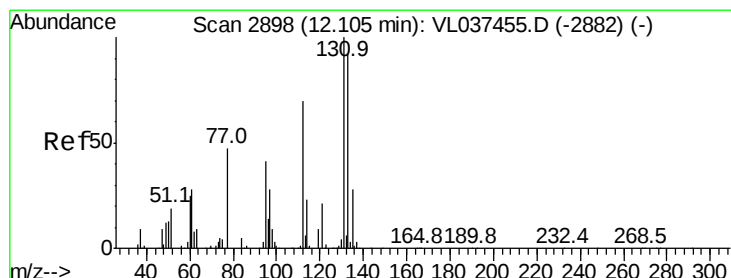
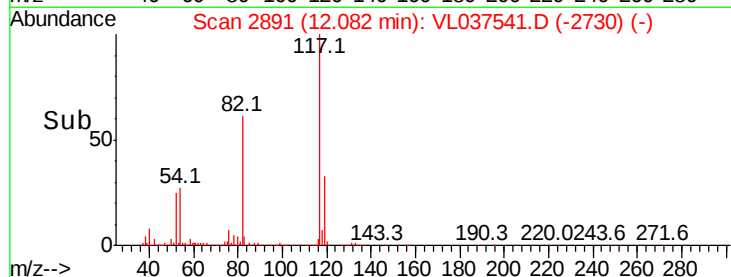
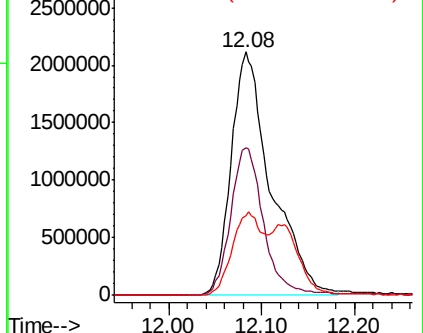
119 25.8 24.8 37.2



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: 7.745 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

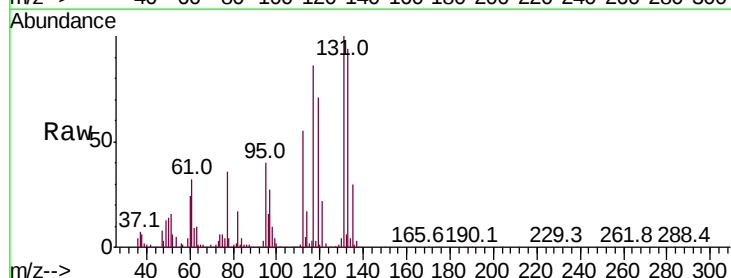
Tgt Ion:131 Resp: 2043151

Ion Ratio Lower Upper

131 100

133 95.9 78.7 118.1

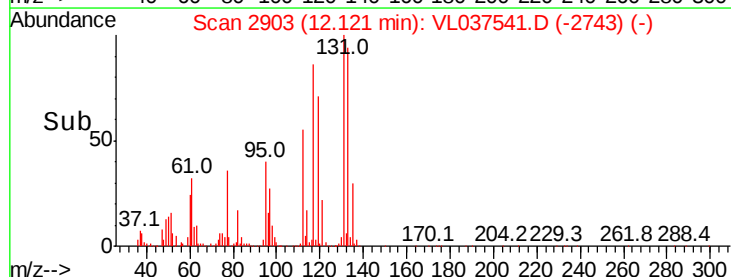
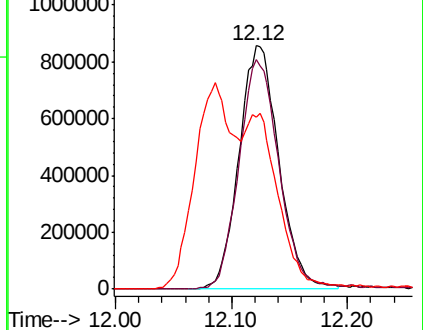
119 64.8 56.6 85.0

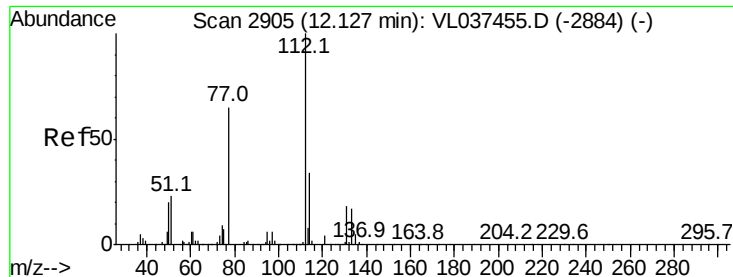


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.337 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

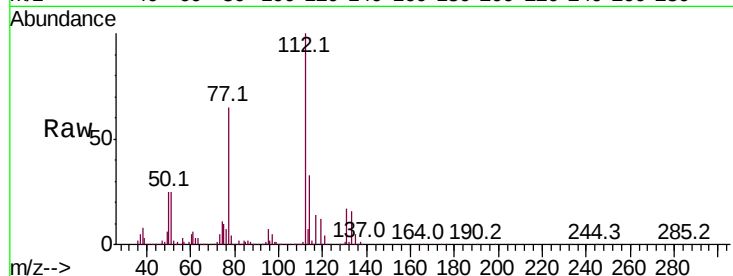
Tot Ion:112 Resp: 3855086

Ion Ratio Lower Upper

112 100

77 63.5 51.6 77.4

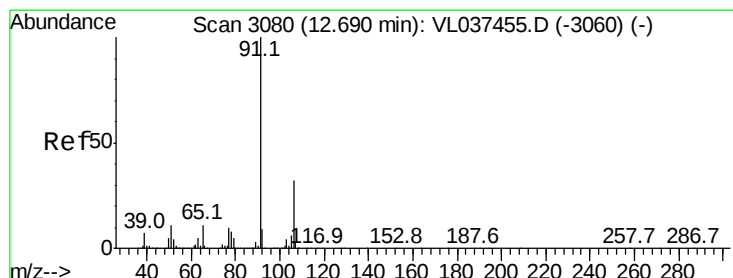
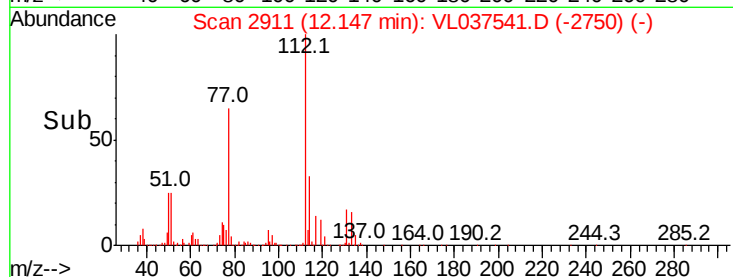
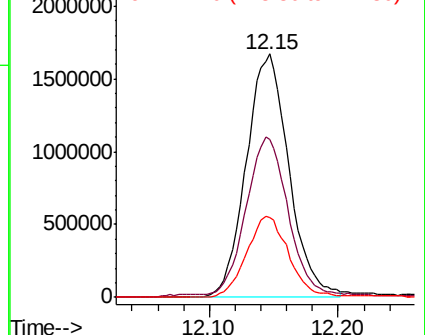
114 32.9 30.7 37.5



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: 7.630 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.02 min

Lab File: VL037541.D

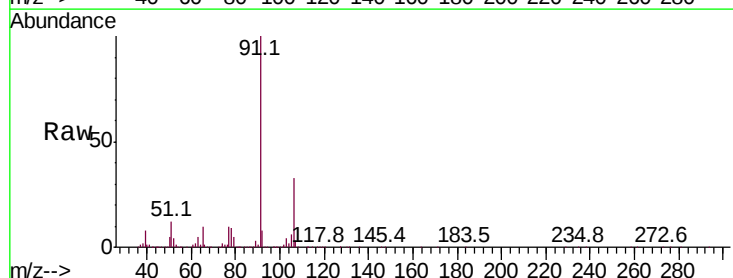
Acq: 7 Sep 2021 8:26

Tgt Ion: 91 Resp: 6704227

Ion Ratio Lower Upper

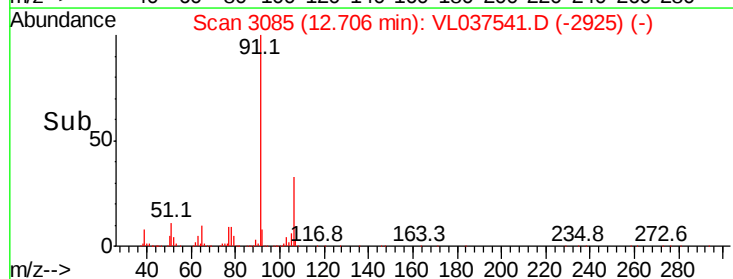
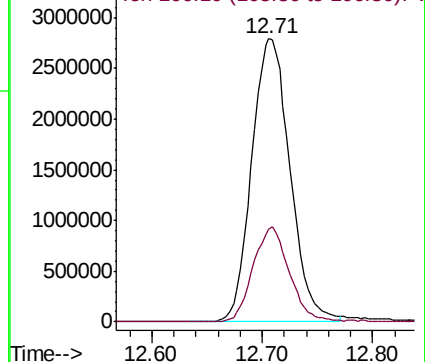
91 100

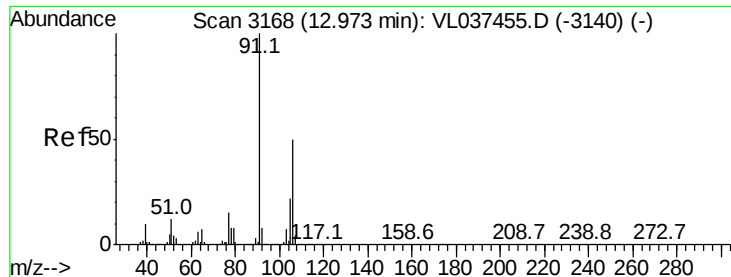
106 32.5 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

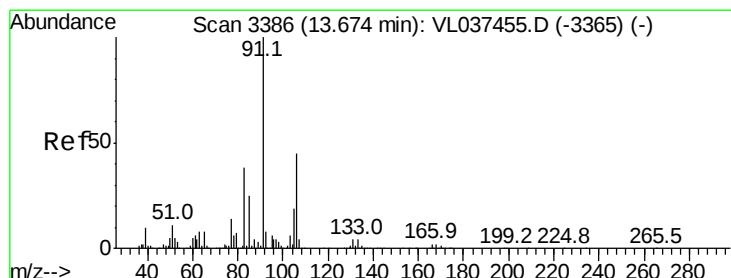
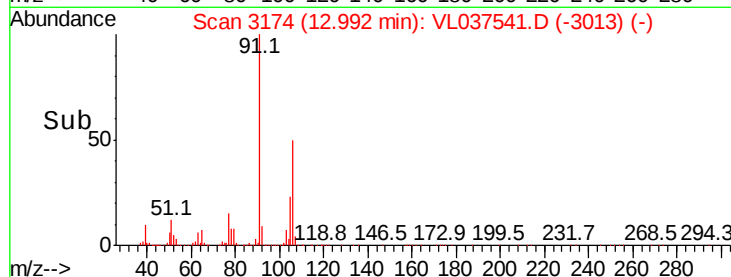
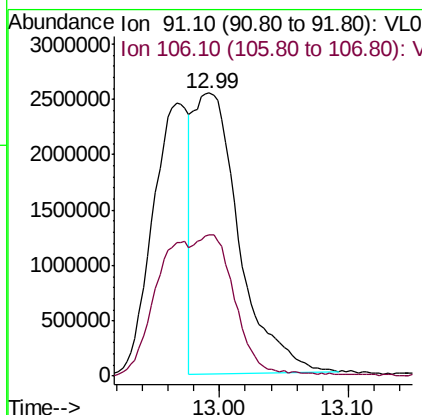
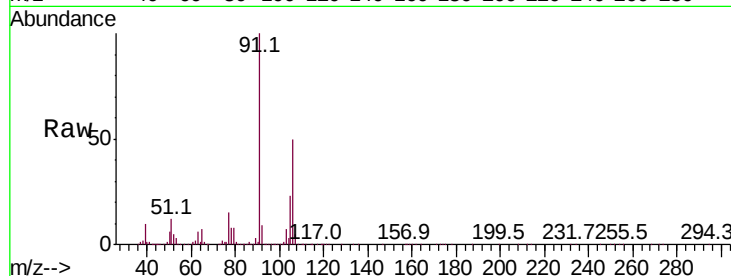




#59
m/p-Xylene
Concen: 8.203 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

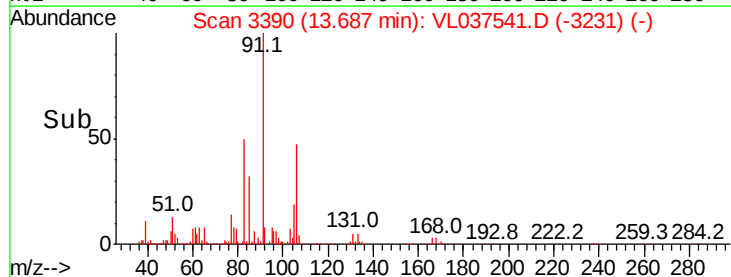
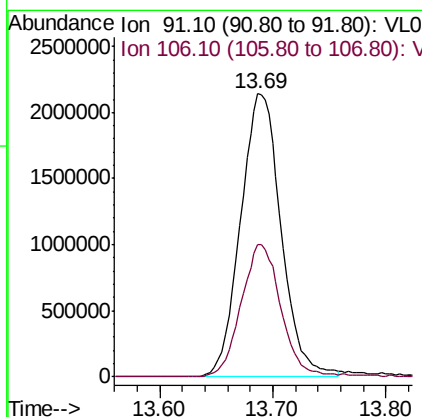
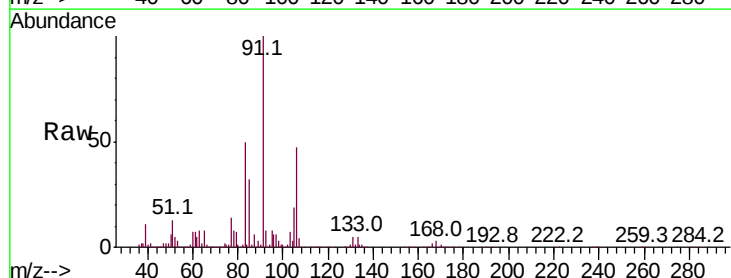
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

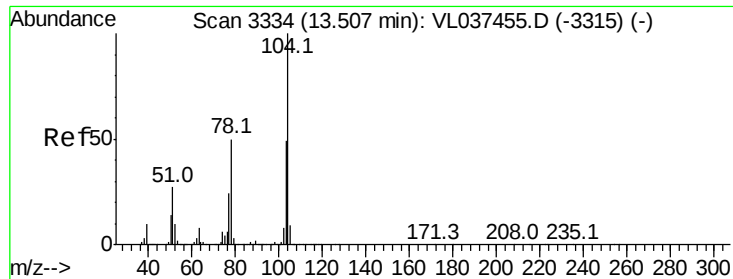
Tot Ion: 91 Resp: 6247957
Ion Ratio Lower Upper
91 100
106 84.0 36.9 55.3#



#60
o-Xylene
Concen: 7.473 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 91 Resp: 5313148
Ion Ratio Lower Upper
91 100
106 47.0 23.7 71.1





#61

Stvrene

Concen: 8.451 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

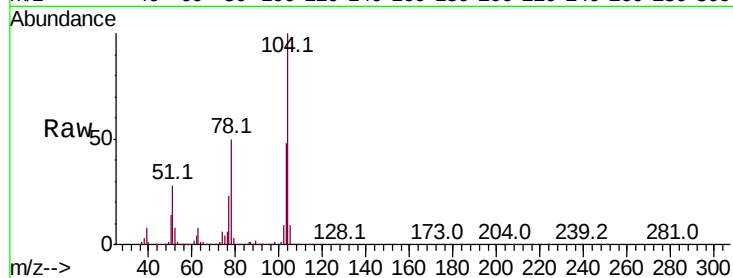
Tot Ion:104 Resp: 3120985

Ion Ratio Lower Upper

104 100

78 49.7 41.3 61.9

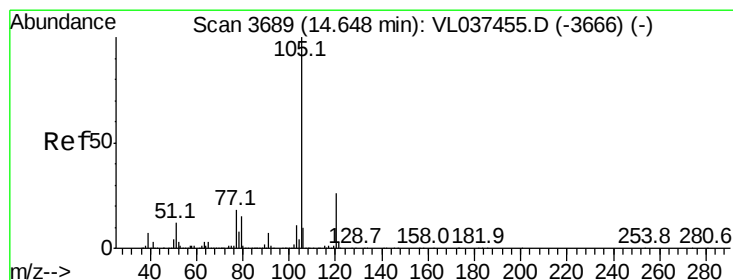
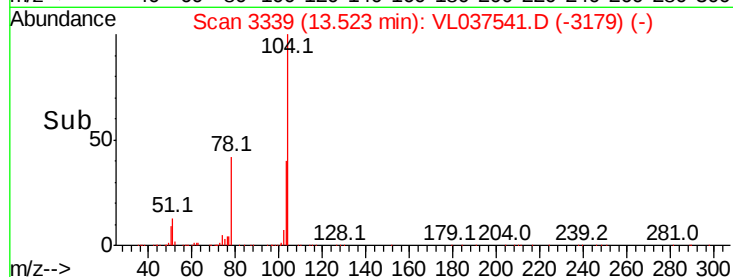
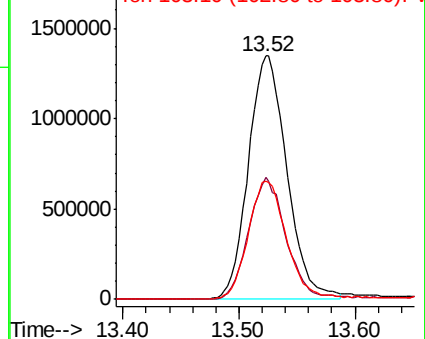
103 49.1 39.4 59.0



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: 7.421 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.01 min

Lab File: VL037541.D

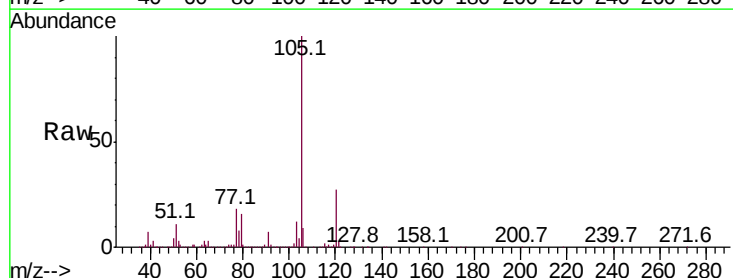
Acq: 7 Sep 2021 8:26

Tgt Ion:105 Resp: 7446203

Ion Ratio Lower Upper

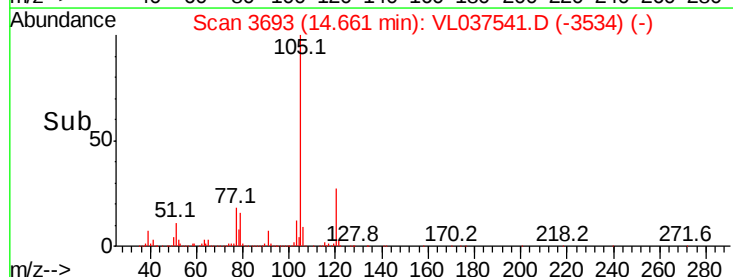
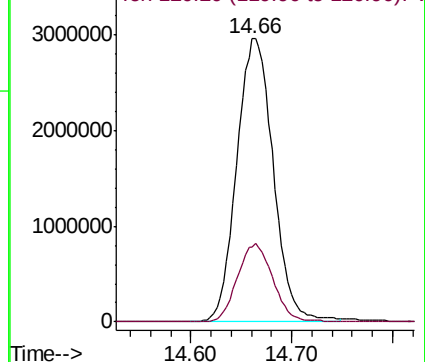
105 100

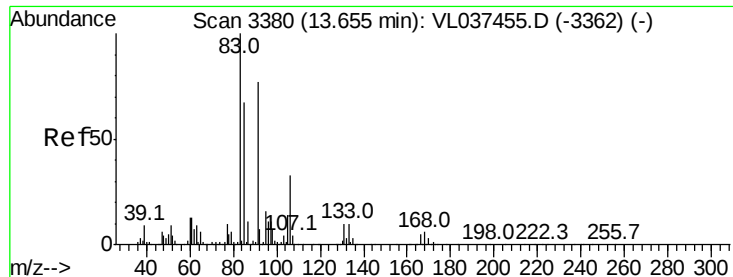
120 27.0 21.5 32.3



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: 7.348 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

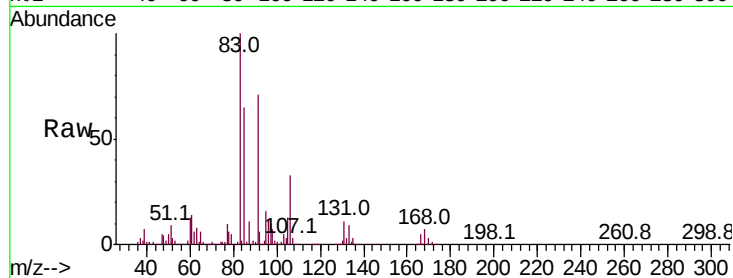
Tot Ion: 83 Resp: 3882369

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

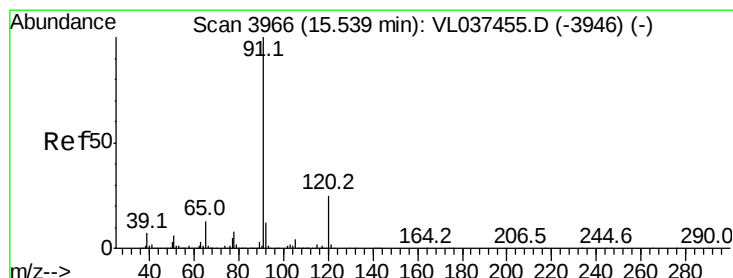
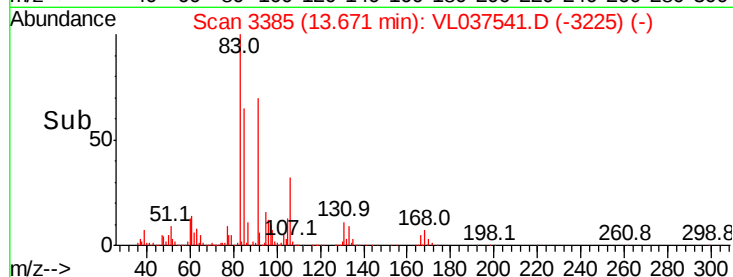
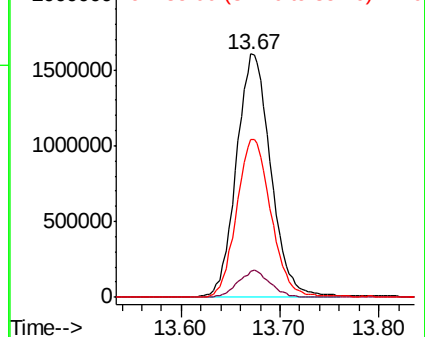
85 65.9 33.8 101.3



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: 7.953 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.02 min

Lab File: VL037541.D

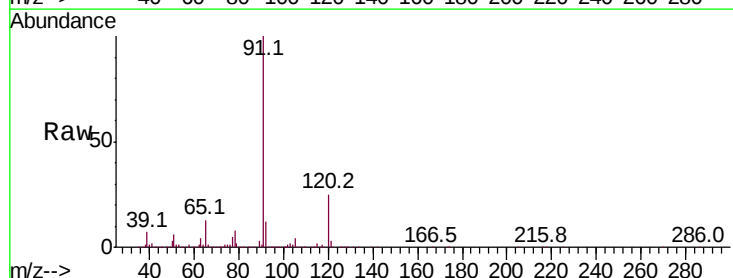
Acq: 7 Sep 2021 8:26

Tgt Ion:120 Resp: 2030816

Ion Ratio Lower Upper

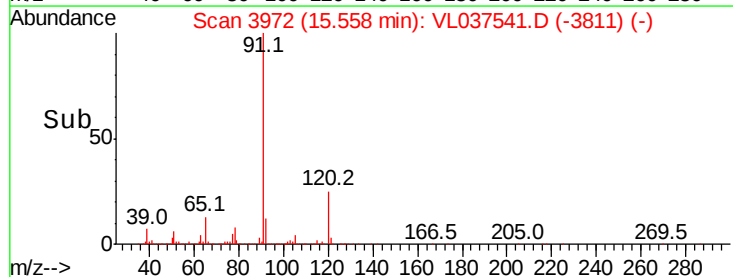
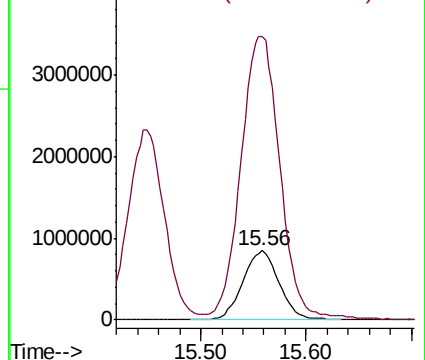
120 100

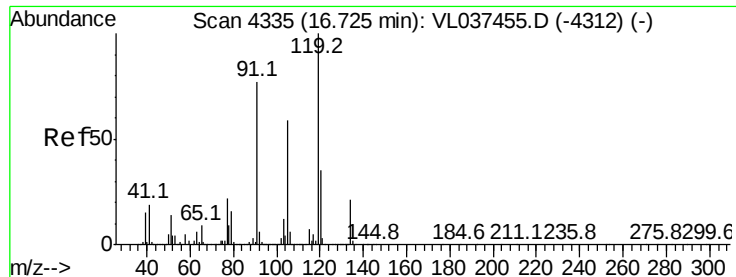
91 442.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.128 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

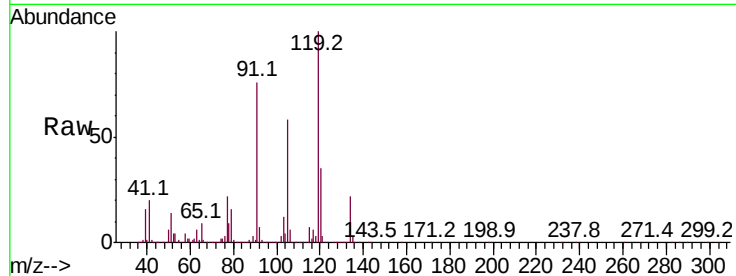
Tot Ion:119 Resp: 6513430

Ion Ratio Lower Upper

119 100

91 78.8 62.9 94.3

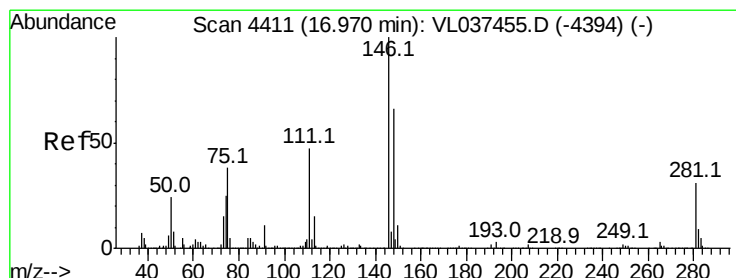
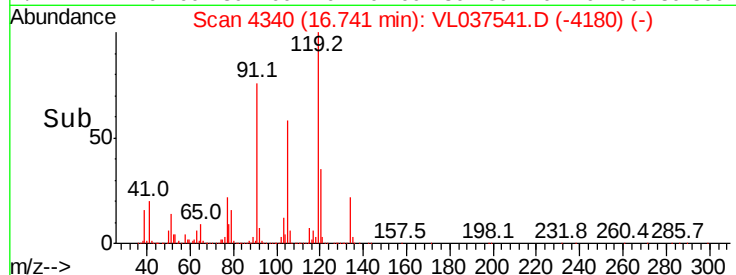
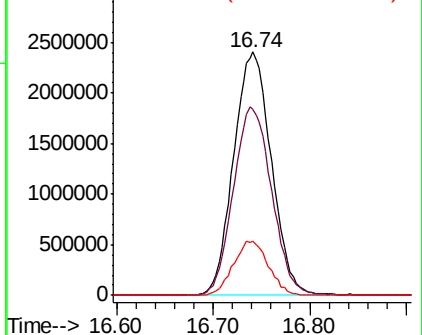
134 20.9 16.4 24.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.201 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

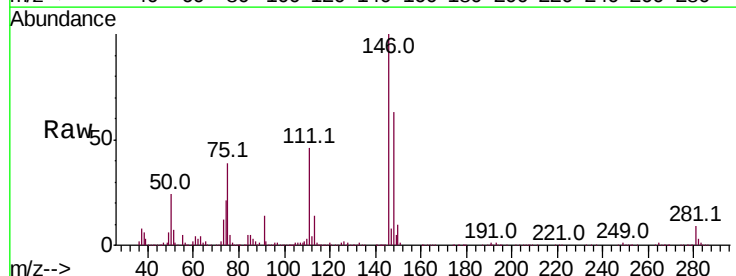
Tgt Ion: 91 Resp: 463004

Ion Ratio Lower Upper

91 100

126 17.6 15.9 23.9

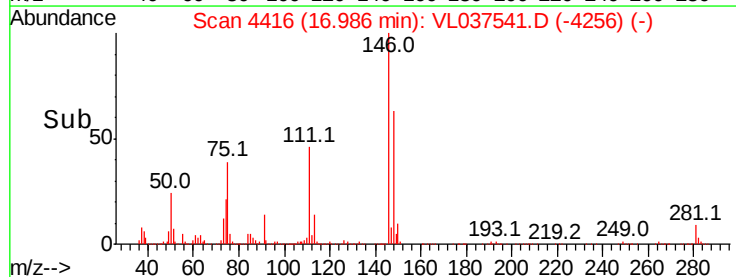
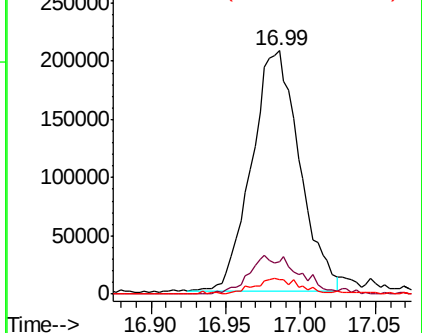
128 7.1 5.4 8.0

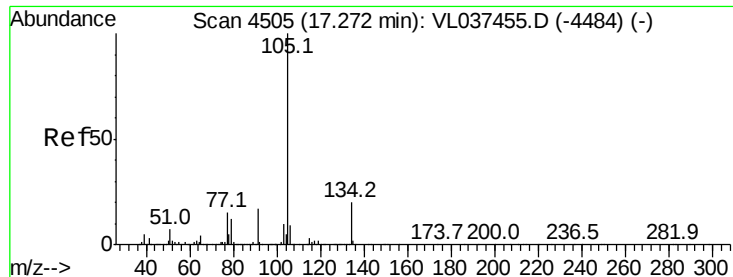


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

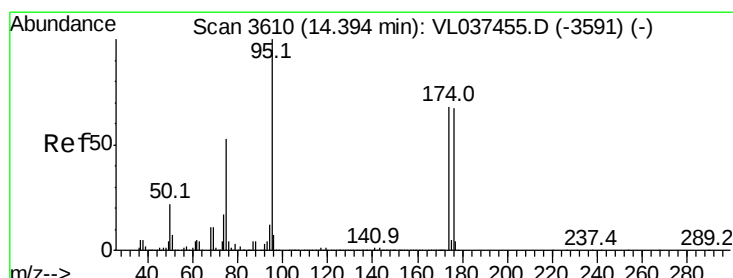
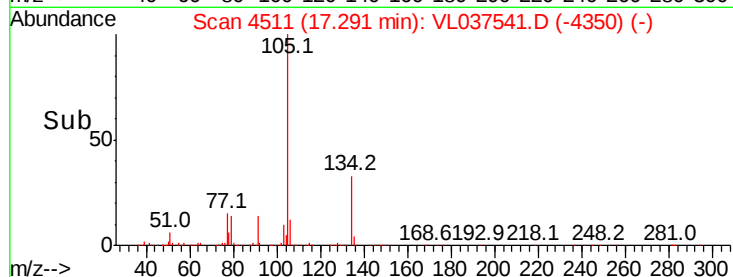
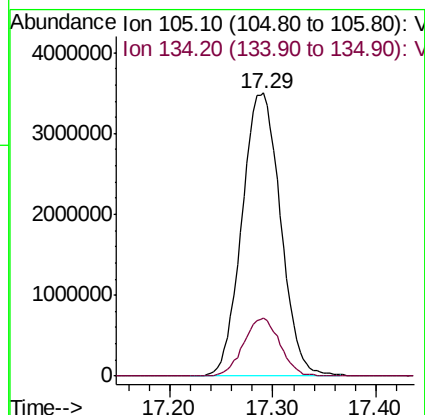
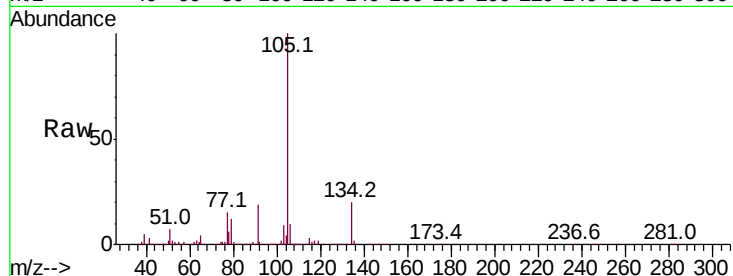




#67
 sec-Butylbenzene
 Concen: 7.118 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

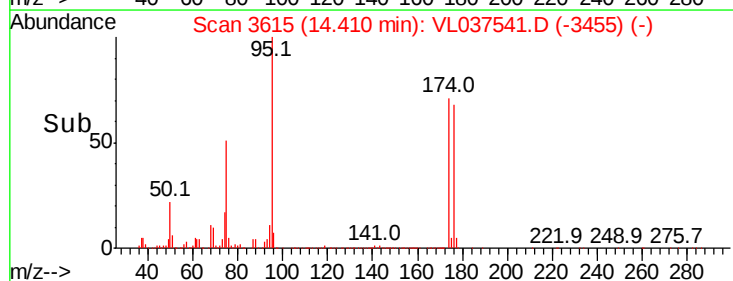
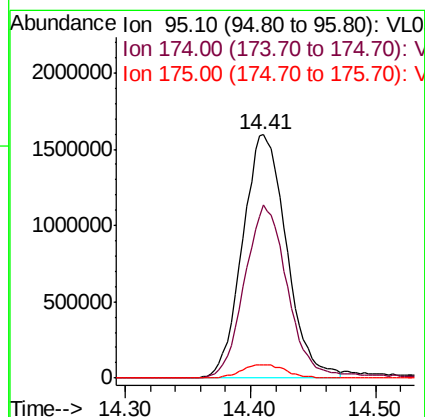
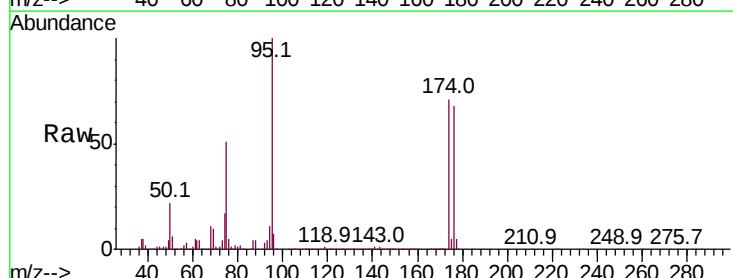
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

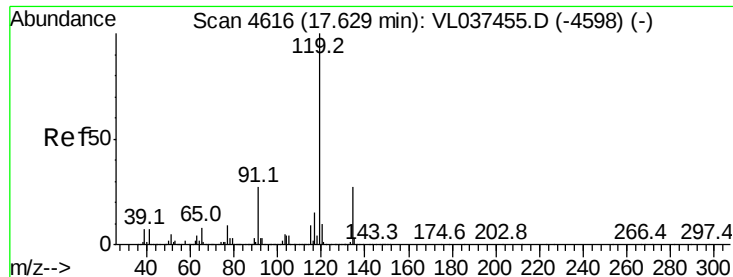
Tot Ion:105 Resp: 9088287
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.635 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion: 95 Resp: 3884105
 Ion Ratio Lower Upper
 95 100
 174 71.4 59.6 89.4
 175 5.7 4.6 7.0



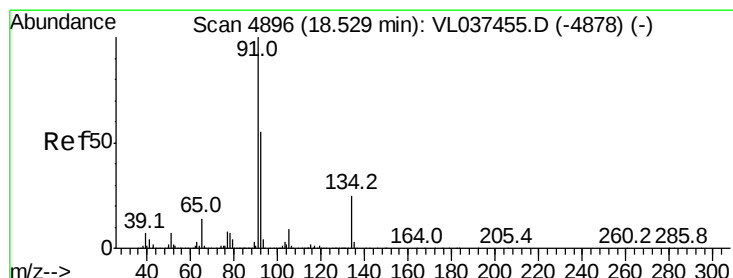
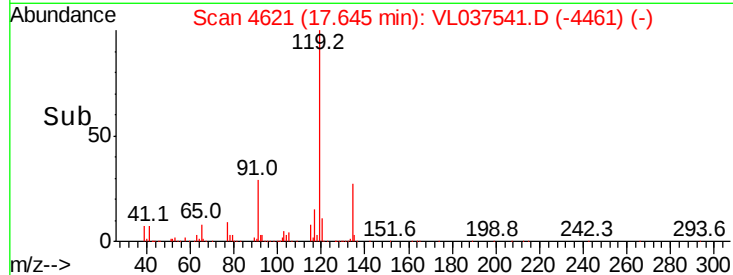
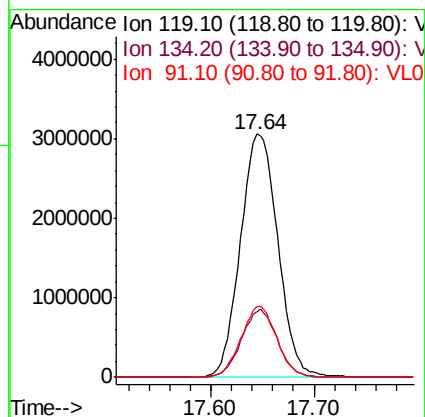
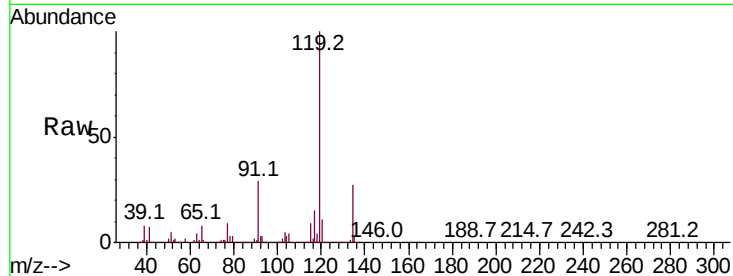


#69
 p-Isopropyltoluene
 Concen: 7.414 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 7713461

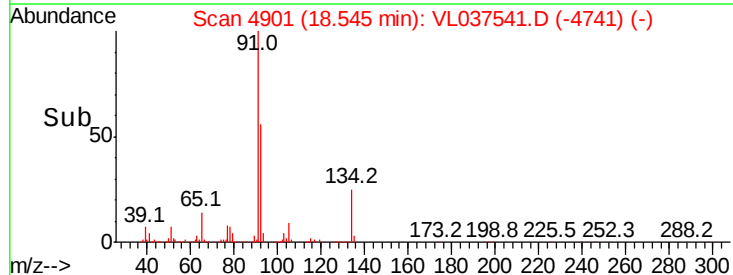
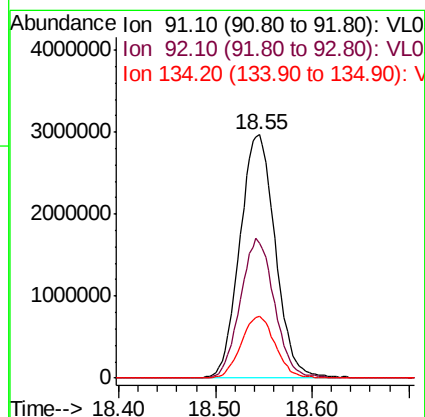
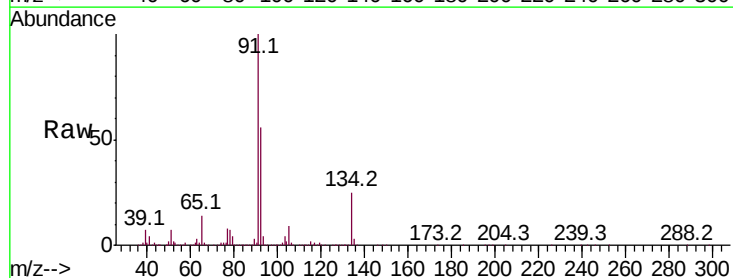
Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.1	31.7
91	28.0	22.4	33.6

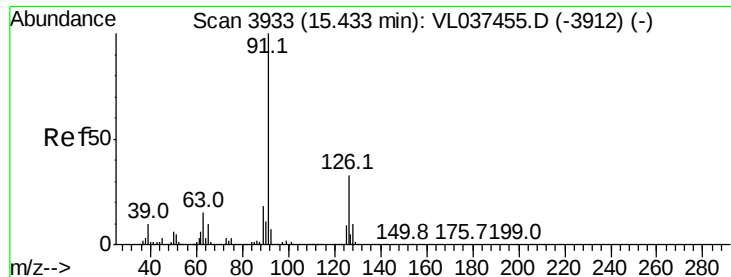


#70
 n-Butylbenzene
 Concen: 7.604 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Tgt Ion: 91 Resp: 7560504

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.0	66.0
134	24.8	19.5	29.3

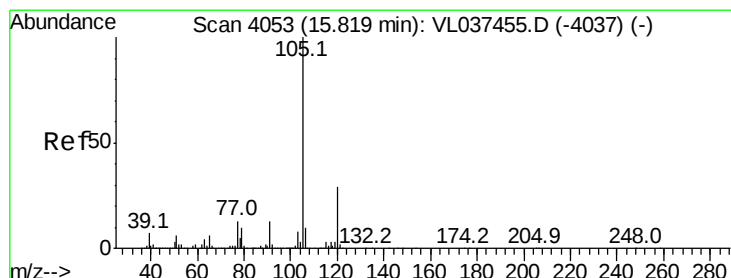
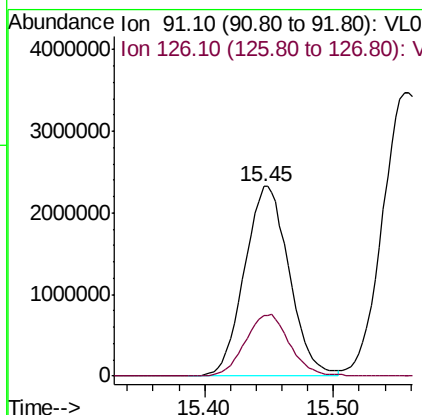
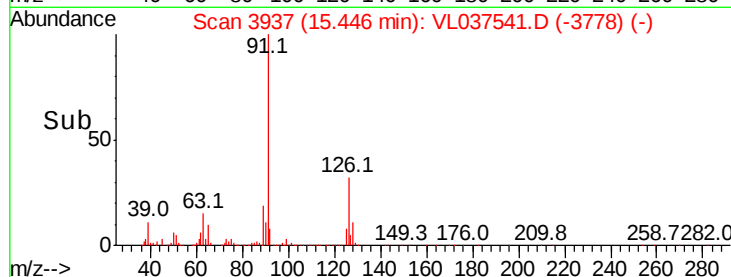
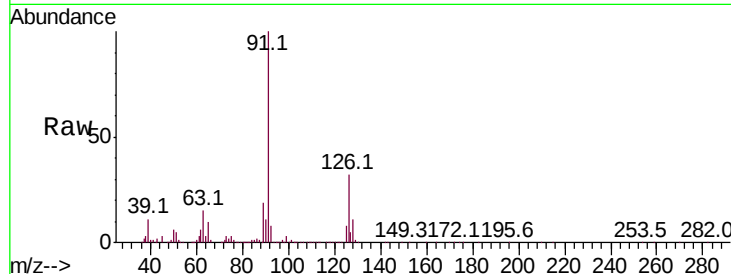




#71
2-Chlorotoluene
Concen: 7.611 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

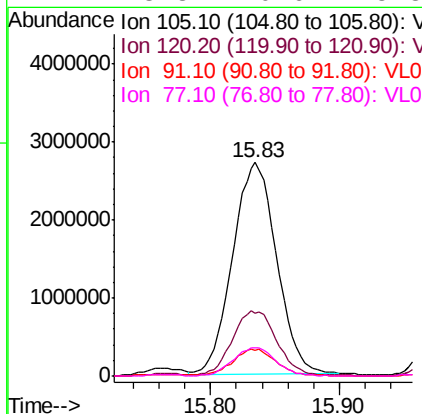
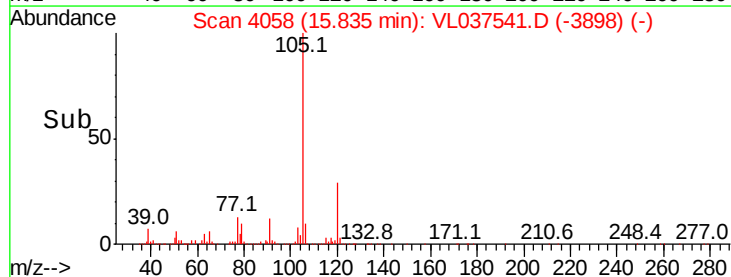
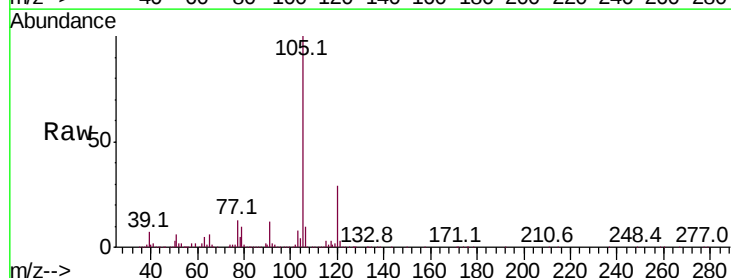
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

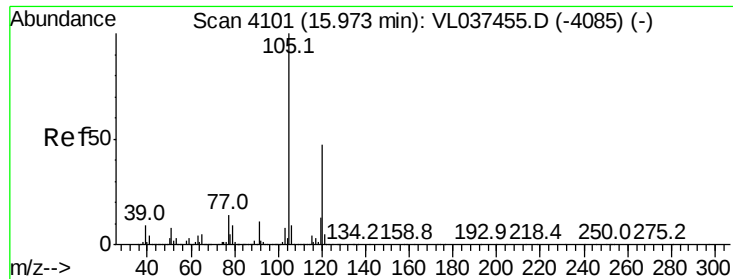
Tot Ion: 91 Resp: 5599976
Ion Ratio Lower Upper
91 100
126 33.1 13.6 54.4



#72
4-Ethyltoluene
Concen: 7.597 ppbv
RT: 15.83 min Scan# 4058
Delta R.T. 0.02 min
Lab File: VL037541.D
Acq: 7 Sep 2021 8:26

Tgt Ion: 105 Resp: 6423894
Ion Ratio Lower Upper
105 100
120 31.5 24.7 37.1
91 12.3 9.8 14.8
77 13.3 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.440 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

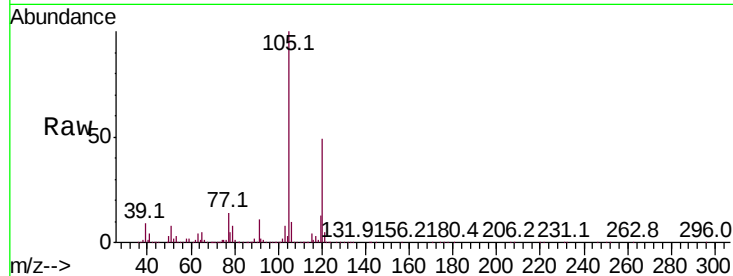
VSTDCCC010

Tot Ion:105 Resp: 5856404

Ion Ratio Lower Upper

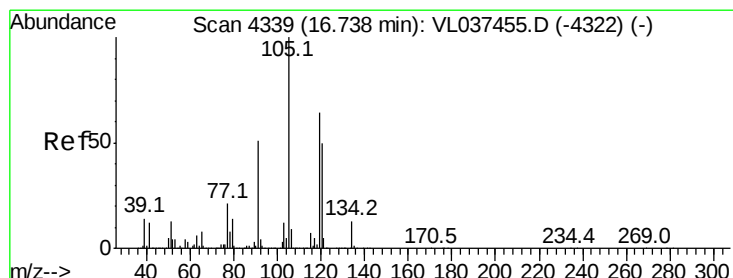
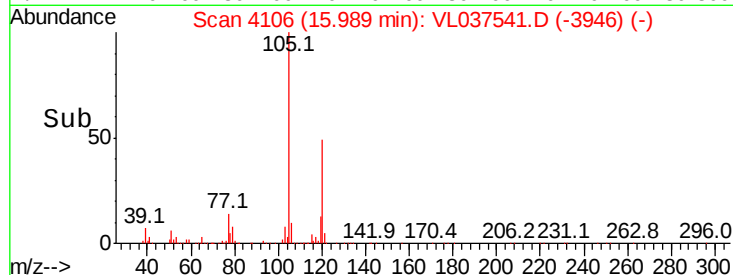
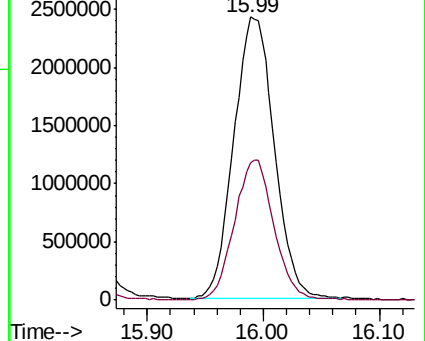
105 100

120 48.8 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.217 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Tgt Ion:105 Resp: 6036575

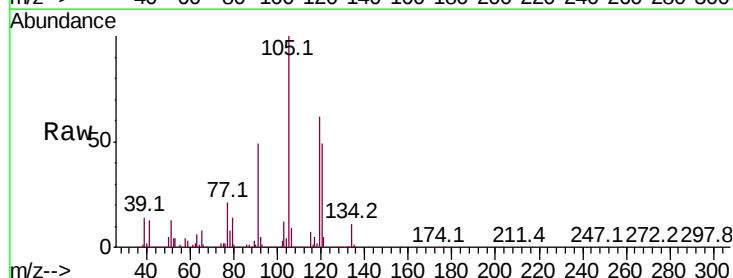
Ion Ratio Lower Upper

105 100

120 48.4 40.4 60.6

91 49.2 44.6 67.0

77 21.1 17.8 26.6

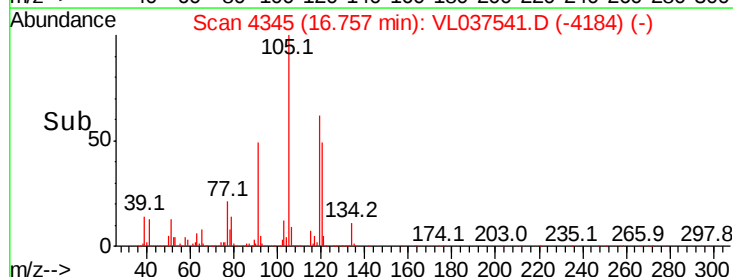
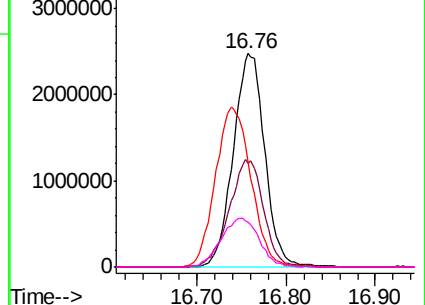


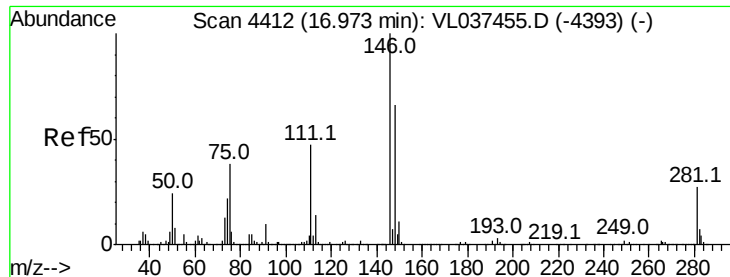
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.468 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

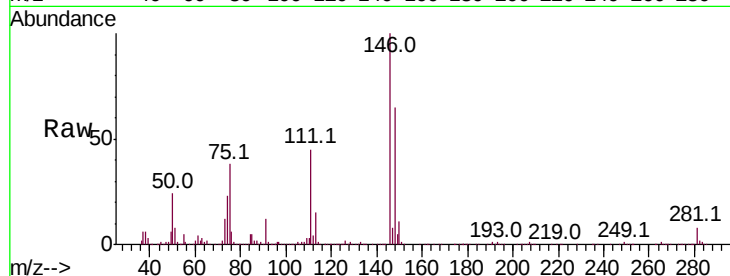
Tot Ion:146 Resp: 3759772

Ion Ratio Lower Upper

146 100

111 45.9 23.4 70.0

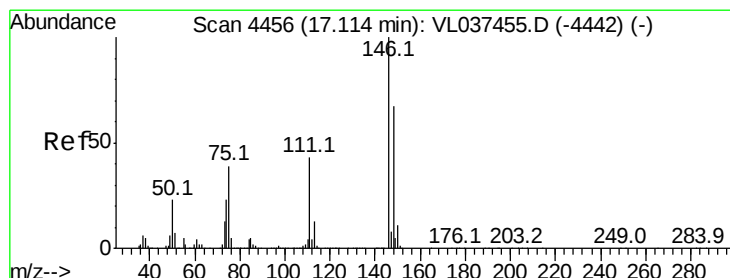
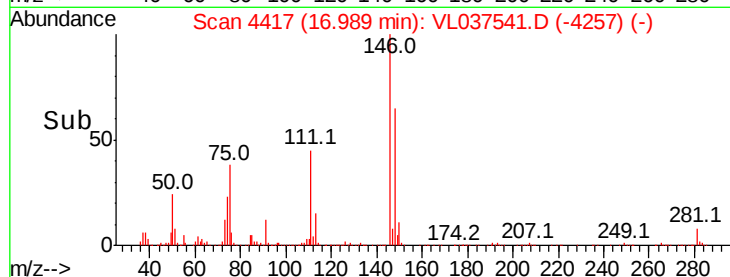
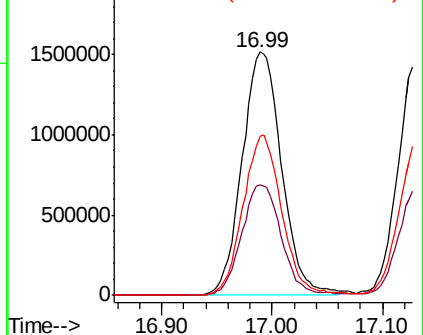
148 64.8 33.1 99.5



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: 7.272 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

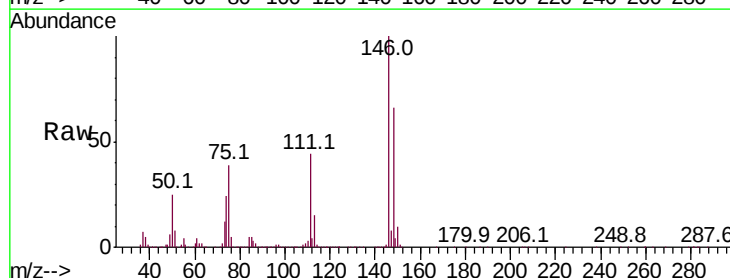
Tgt Ion:146 Resp: 3688514

Ion Ratio Lower Upper

146 100

111 45.3 22.1 66.5

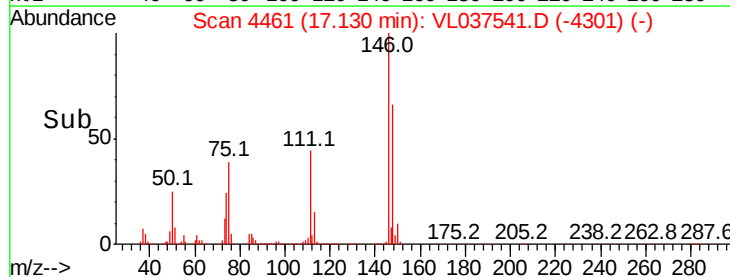
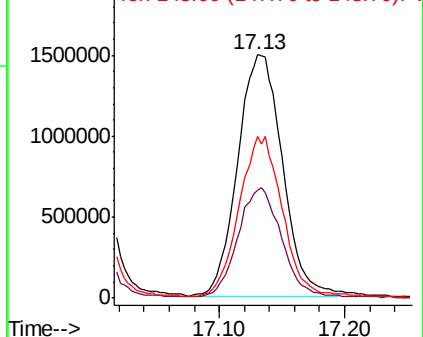
148 66.7 32.4 97.0

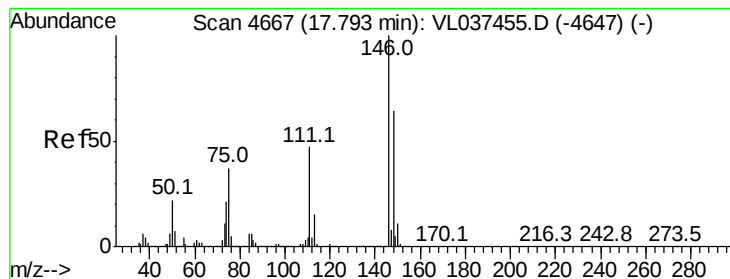


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.395 ppbv

RT: 17.81 min Scan# 4673

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

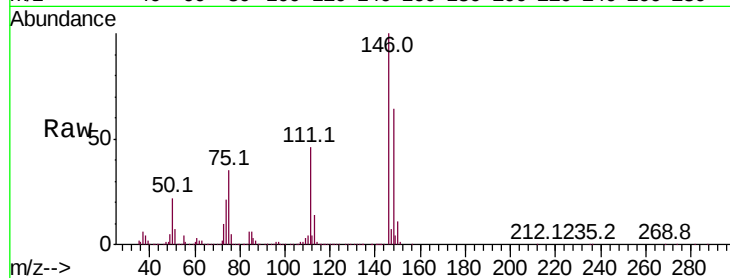
Tot Ion:146 Resp: 3666284

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.3

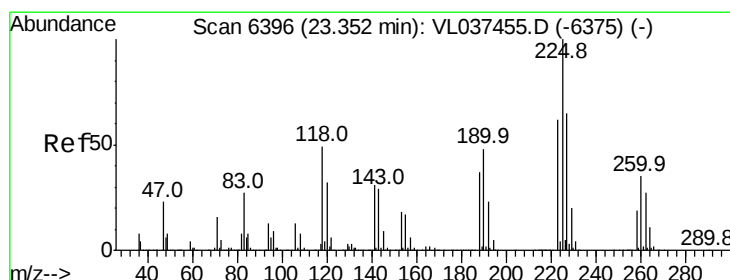
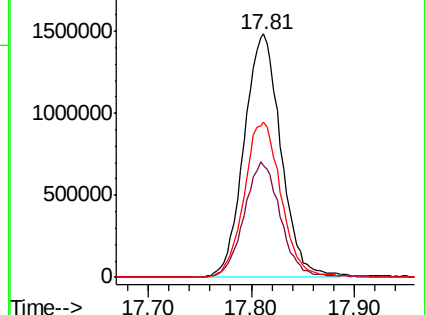
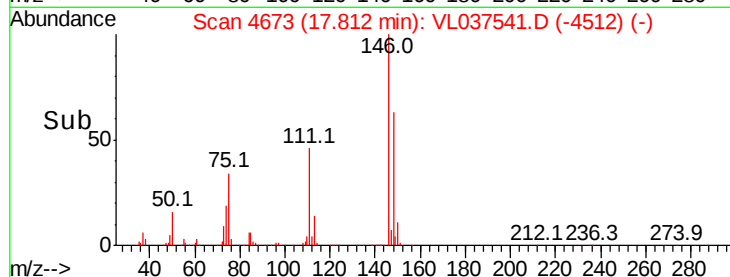
148 64.2 32.5 97.5



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.793 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

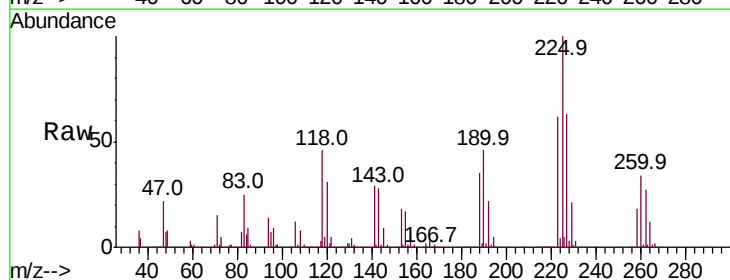
Tgt Ion:225 Resp: 2800190

Ion Ratio Lower Upper

225 100

223 63.0 51.4 77.0

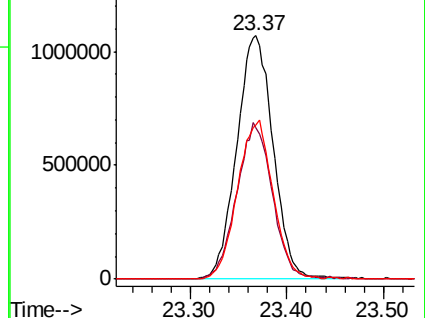
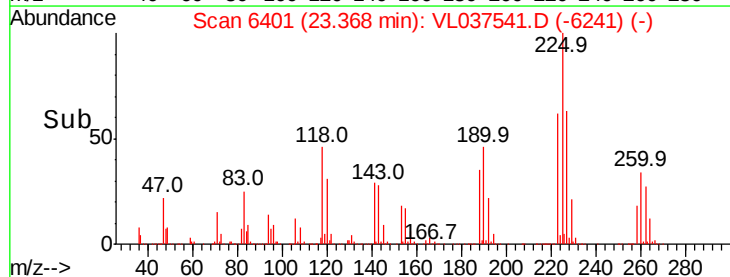
227 64.3 52.9 79.3

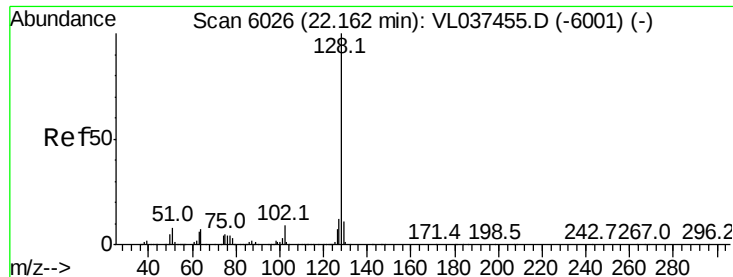


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.545 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. 0.02 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Instrument :

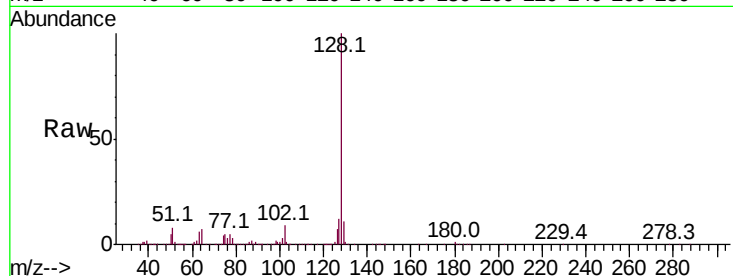
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 4782749

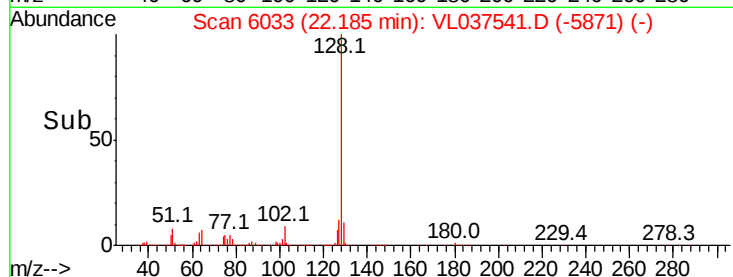
Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.4	14.2
129	11.3	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



22.18

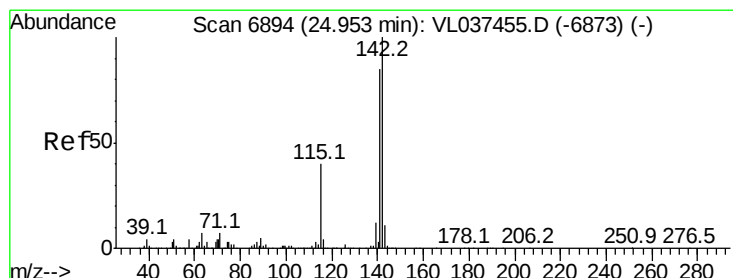
1500000

1000000

500000

0

Time-->



#80

Naphthalene, 2-methyl-

Concen: 8.928 ppbv

RT: 24.96 min Scan# 6897

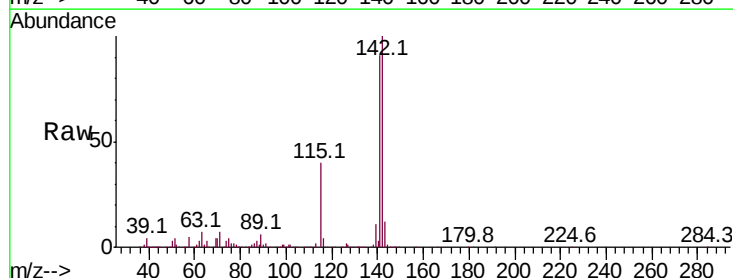
Delta R.T. 0.01 min

Lab File: VL037541.D

Acq: 7 Sep 2021 8:26

Tgt Ion:142 Resp: 1392245

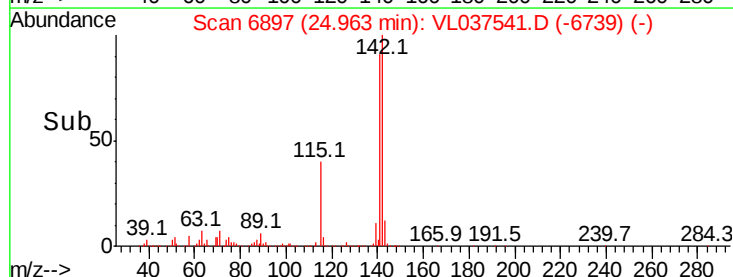
Ion	Ratio	Lower	Upper
142	100		
141	86.4	64.7	97.1
115	37.9	28.4	42.6



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



24.96

800000

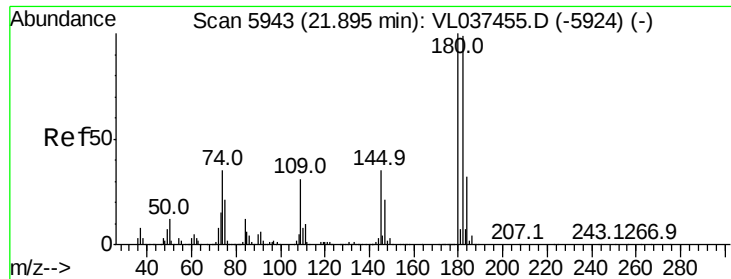
600000

400000

200000

0

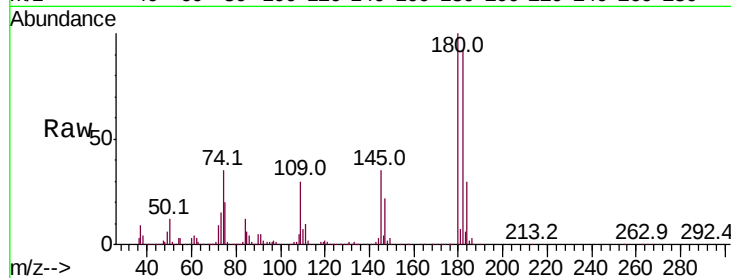
Time-->



#81
 1,2,4-Trichlorobenzene
 Concen: 8.161 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.02 min
 Lab File: VL037541.D
 Acq: 7 Sep 2021 8:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 2866502
 Ion Ratio Lower Upper
 180 100
 182 95.8 79.6 119.4
 184 30.7 25.4 38.2



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

