

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037538.D
 Acq On : 4 Sep 2021 1:50
 Operator : SY/AP
 Sample : VL0903ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

Quant Time: Sep 04 04:23:51 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	5.66	49	1780311	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	5217552	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	5930521	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3617555	8.59	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2644925	9.259 ppbv	98
3) Chlorodifluoromethane	2.99	51	3054964	8.961 ppbv	100
4) Chloromethane	3.14	50	1164568	9.559 ppbv	93
5) Vinyl Chloride	3.26	62	1155822	9.261 ppbv	100
6) Bromomethane	3.47	94	641664	9.385 ppbv	92
7) Chloroethane	3.56	64	393217	9.231 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2631517	8.924 ppbv	99
9) Propene	3.01	41	1062394	8.710 ppbv	96
10) Heptane	8.12	43	2830414	10.081 ppbv	99
11) Trichlorofluoromethane	3.95	101	2397940	8.943 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1819966	9.250 ppbv	97
13) Ethanol	3.61	45	103751	8.741 ppbv	87
14) Bromoethene	3.74	108	827340	9.262 ppbv	99
15) Acetone	3.85	43	1372138	7.573 ppbv	100
16) 1,3-Butadiene	3.33	39	1119131	9.629 ppbv	97
17) tert-Butyl alcohol	4.28	59	1487642	8.988 ppbv	98
18) 1,1-Dichloroethene	4.29	96	827326	9.256 ppbv	99
19) Isopropyl Alcohol	3.96	45	905823	8.727 ppbv	# 96
20) Methylene Chloride	4.34	84	698757	7.703 ppbv	98
21) Allyl Chloride	4.41	41	1277248	8.679 ppbv	92
22) trans-1,2-Dichloroethene	4.88	96	816573	9.157 ppbv	94
23) Vinyl Acetate	5.07	43	2543358	9.523 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1988347	10.265 ppbv	98
25) Ethyl Acetate	5.67	43	4317036	9.386 ppbv	100
26) Hexane	5.68	57	2061077	9.165 ppbv	98
27) Carbon Disulfide	4.55	76	1965865	9.809 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2120099	9.816 ppbv	100
29) Chloroform	5.75	83	2977435	9.342 ppbv	99
30) Cyclohexane	7.12	84	1760604	9.396 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1928319	9.474 ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2825748	9.024 ppbv	99
34) 2-Butanone	5.24	43	1873693	8.794 ppbv	95
35) Carbon Tetrachloride	7.02	117	2948133	9.561 ppbv	99
36) Benzene	6.89	78	4241440	9.670 ppbv	99
37) 1,2-Dichloroethane	6.30	62	2082795	9.587 ppbv	100
38) Trichloroethene	7.83	130	1692654	9.406 ppbv	96
39) 1,2-Dichloropropane	7.61	63	1600763	9.498 ppbv	93
40) 1,4-Dioxane	7.83	88	388398	9.407 ppbv	# 100
41) Tetrahydrofuran	6.05	42	982442	9.572 ppbv	99
42) Bromodichloromethane	7.79	83	3082559	9.703 ppbv	98
43) Methyl Methacrylate	8.01	69	1545749	10.111 ppbv	100

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
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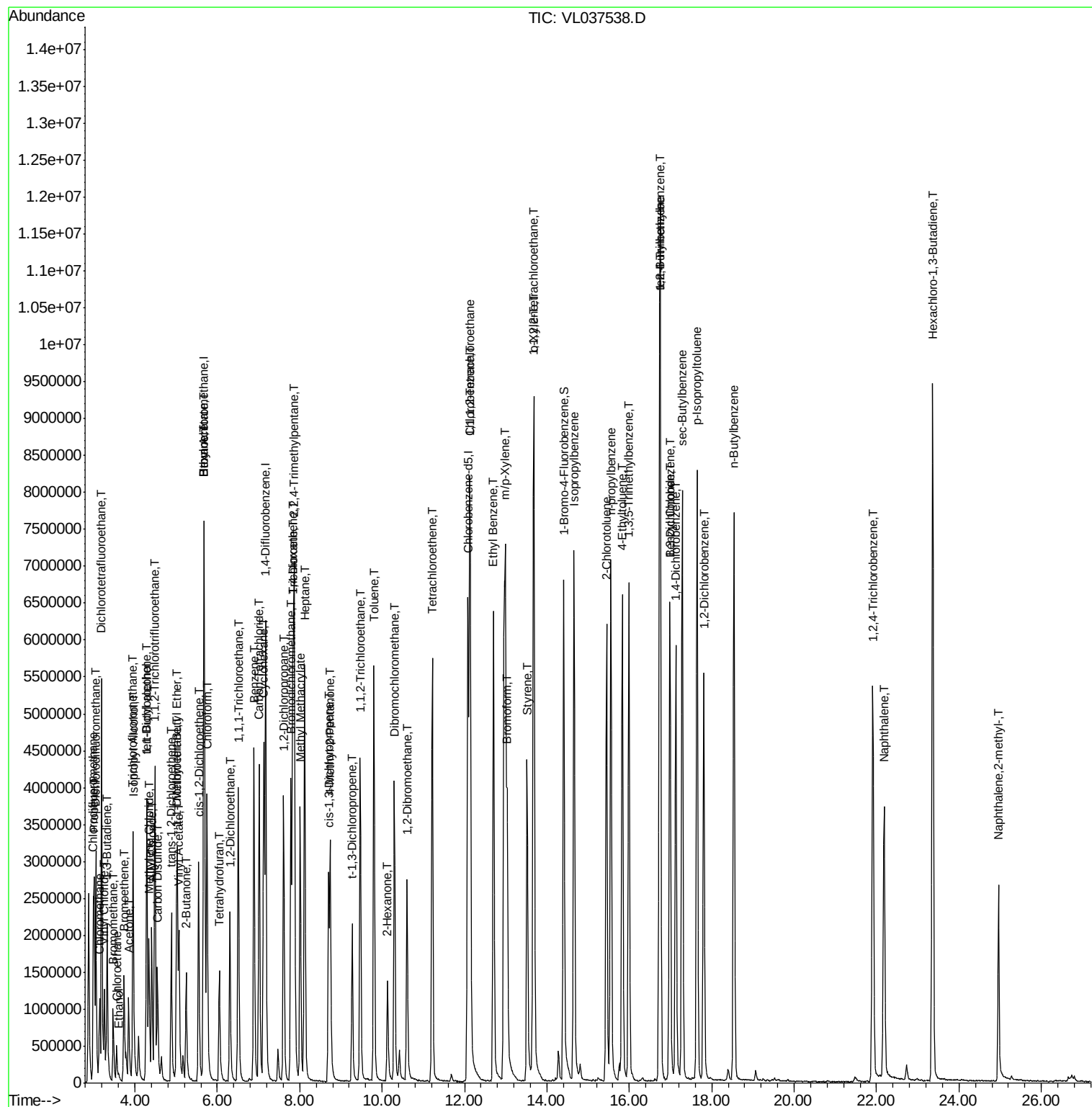
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44) 2,2,4-Trimethylpentane	7.87	57	7077834	9.588	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1330570	11.562	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1730435	10.779	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1755996	9.642	ppbv	98
48) Dibromochloromethane	10.30	129	2702793	10.313	ppbv	99
49) Bromoform	13.03	173	2200681	10.653	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2797614	10.065	ppbv	98
51) 2-Hexanone	10.13	43	1285375	10.054	ppbv #	99
52) Tetrachloroethene	11.22	164	1584459	8.816	ppbv	99
53) Toluene	9.80	91	4938381	9.861	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2523687	9.927	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1857988	7.519	ppbv	99
57) Chlorobenzene	12.14	112	3615805	7.347	ppbv	99
58) Ethyl Benzene	12.70	91	6229371	7.569	ppbv	98
59) m/p-Xylene	12.99	91	5947344	8.336	ppbv #	45
60) o-Xylene	13.69	91	4981664	7.481	ppbv	100
61) Styrene	13.52	104	2877301	8.318	ppbv	97
62) Isopropylbenzene	14.66	105	6913897	7.357	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3571289	7.216	ppbv	98
64) n-propylbenzene	15.55	120	1847369	7.724	ppbv	95
65) tert-Butylbenzene	16.74	119	6000074	7.010	ppbv	100
66) Benzyl Chloride	16.98	91	357751	9.240	ppbv	95
67) sec-Butylbenzene	17.29	105	8350757	6.982	ppbv	99
69) p-Isopropyltoluene	17.64	119	6947391	7.129	ppbv	99
70) n-Butylbenzene	18.54	91	6730470	7.226	ppbv	99
71) 2-Chlorotoluene	15.45	91	5095850	7.394	ppbv	99
72) 4-Ethyltoluene	15.83	105	6075124	7.670	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	5375719	7.291	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	5469001	6.980	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	3374505	7.156	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	3262905	6.868	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	3177112	6.842	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2791302	7.229	ppbv	99
79) Naphthalene	22.18	128	5103920	9.735	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1713137	11.728	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1378274	4.189	ppbv #	8

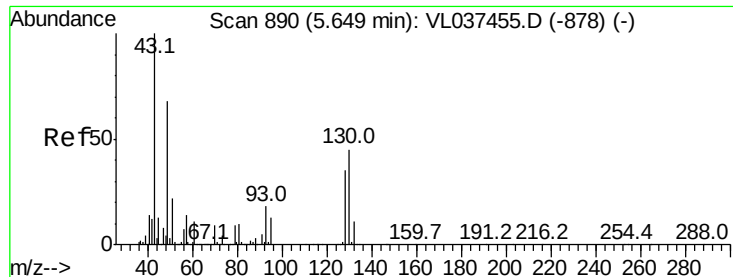
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

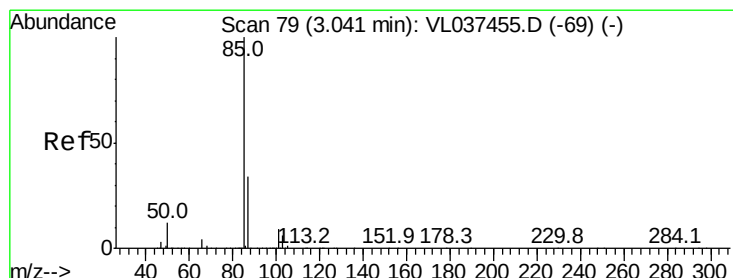
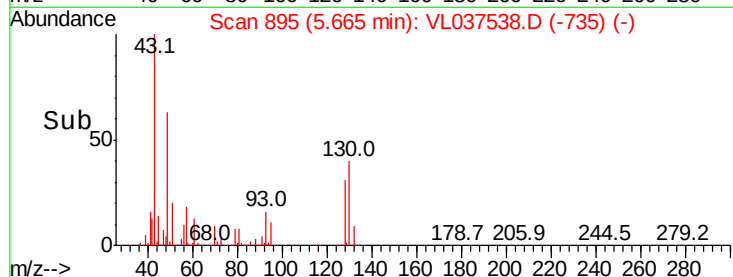
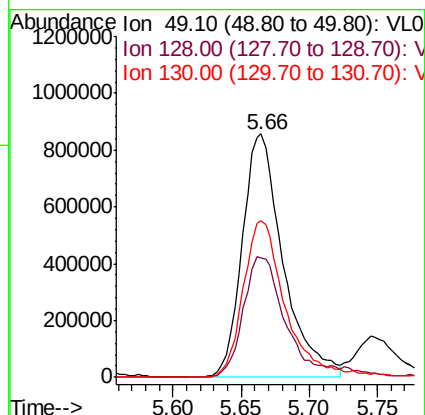
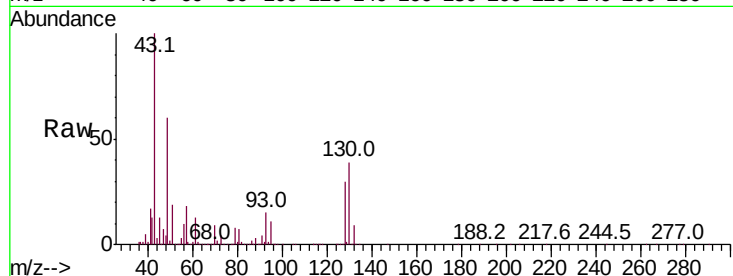
Tot Ion: 49 Resp: 1780311

Ion Ratio Lower Upper

49 100

128 54.4 27.5 82.4

130 67.6 34.0 101.8



#2

Dichlorodifluoromethane

Concen: 9.259 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037538.D

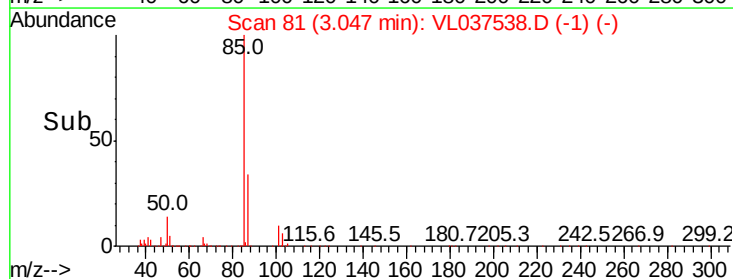
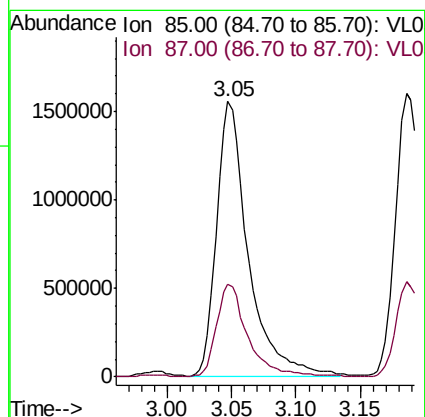
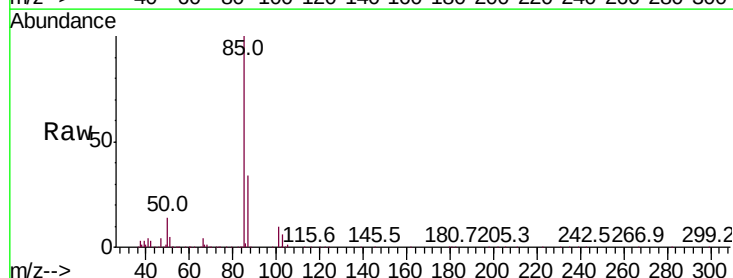
Acq: 4 Sep 2021 1:50

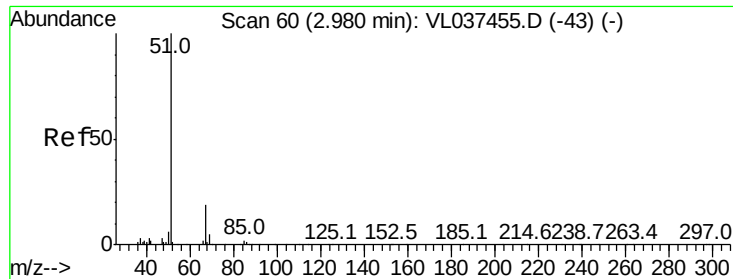
Tgt Ion: 85 Resp: 2644925

Ion Ratio Lower Upper

85 100

87 33.5 27.6 41.4

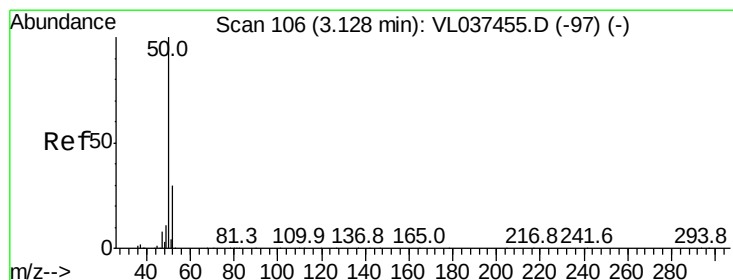
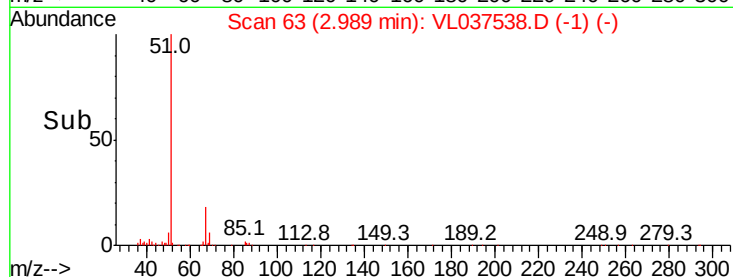
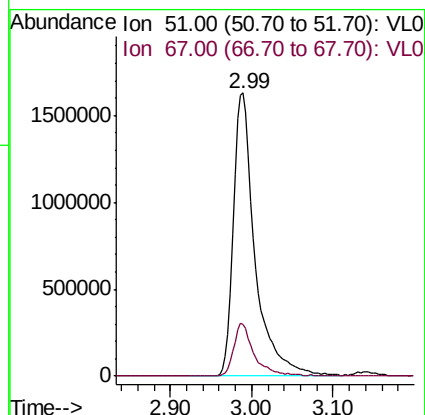
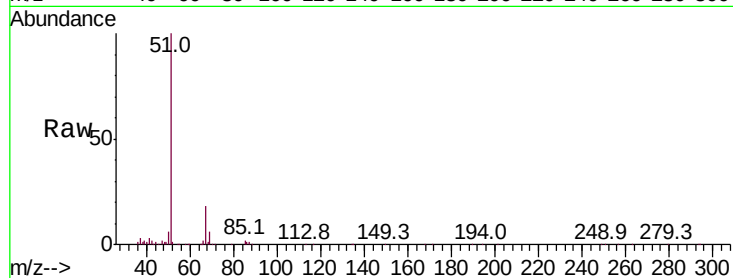




#3
Chlorodifluoromethane
Concen: 8.961 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

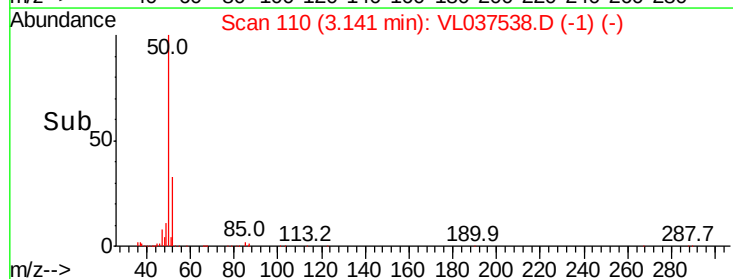
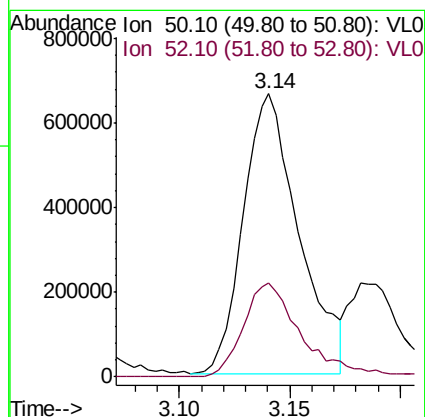
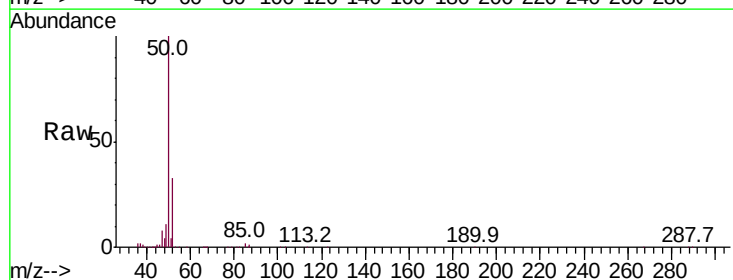
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

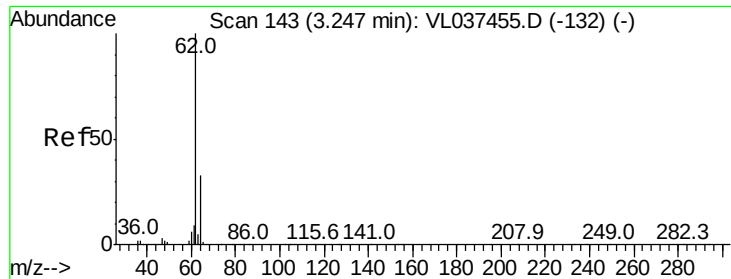
Tot Ion: 51 Resp: 3054964
Ion Ratio Lower Upper
51 100
67 17.8 14.2 21.2



#4
Chloromethane
Concen: 9.559 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 50 Resp: 1164568
Ion Ratio Lower Upper
50 100
52 33.5 24.0 36.0





#5

Vinyl Chloride

Concen: 9.261 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

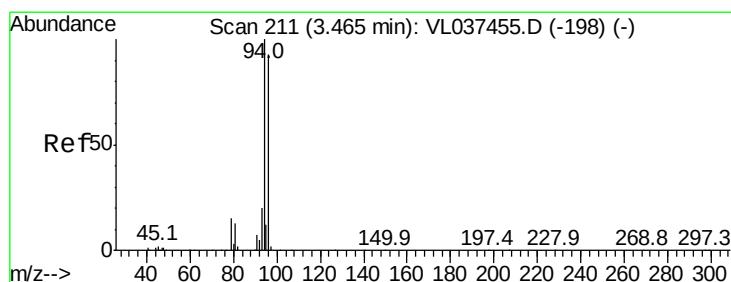
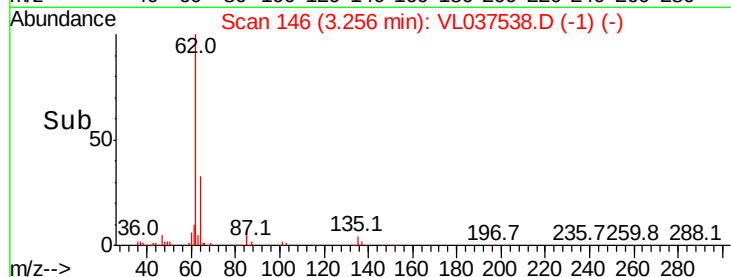
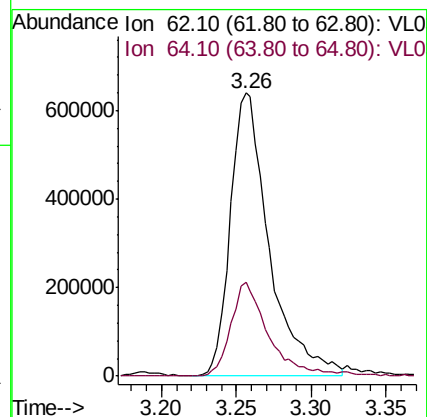
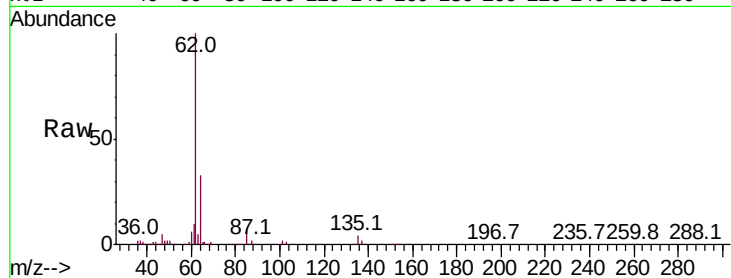
VL0903ABS02

Tot Ion: 62 Resp: 1155822

Ion Ratio Lower Upper

62 100

64 33.1 26.5 39.7



#6

Bromomethane

Concen: 9.385 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037538.D

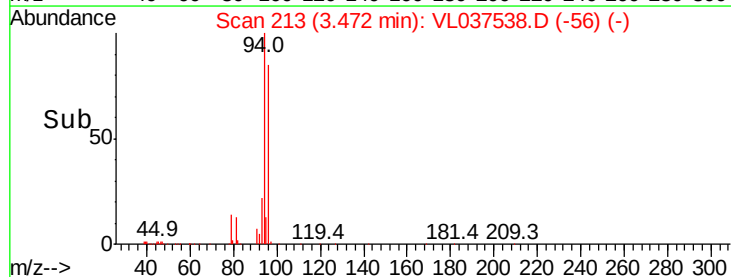
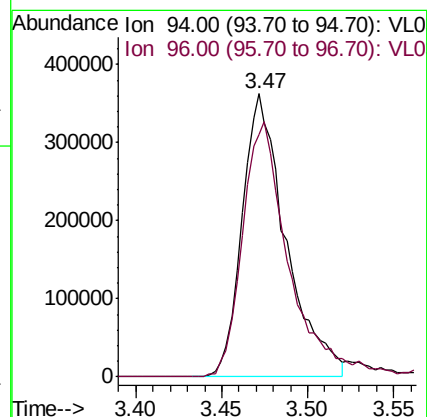
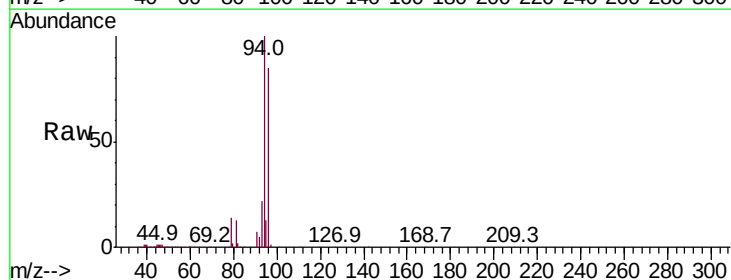
Acq: 4 Sep 2021 1:50

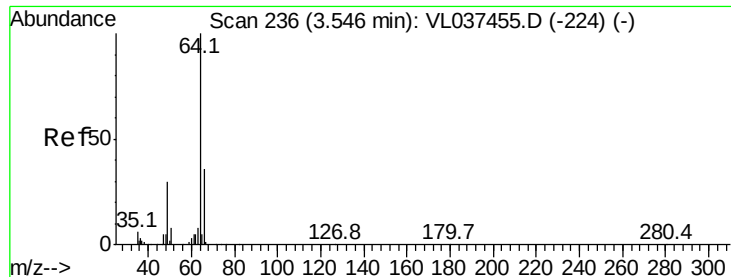
Tgt Ion: 94 Resp: 641664

Ion Ratio Lower Upper

94 100

96 85.4 74.5 111.7





#7

Chloroethane

Concen: 9.231 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

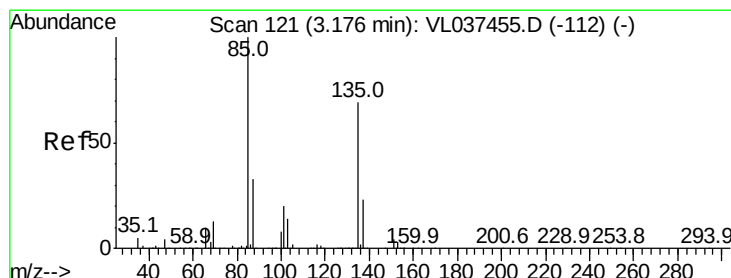
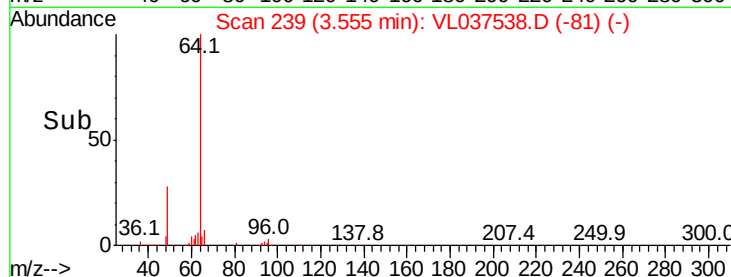
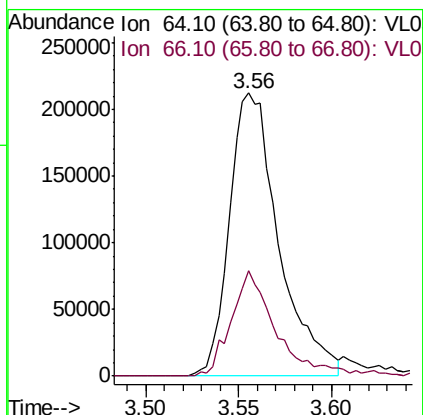
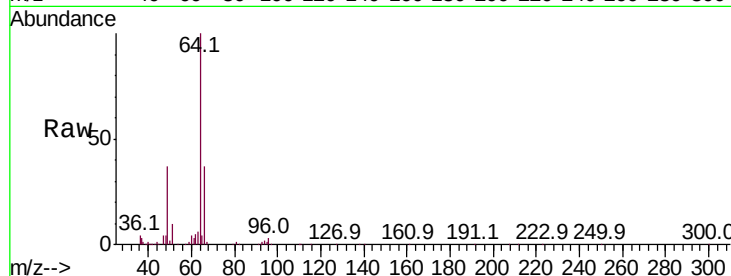
VL0903ABS02

Tot Ion: 64 Resp: 393217

Ion Ratio Lower Upper

64 100

66 37.3 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 8.924 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037538.D

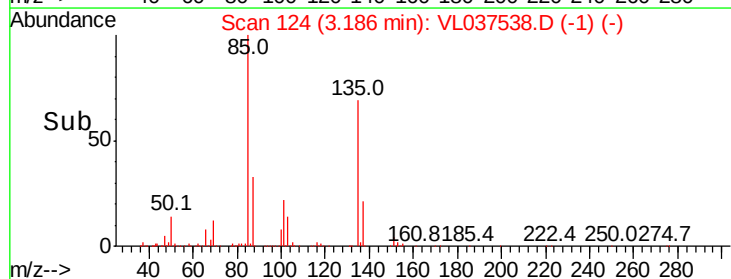
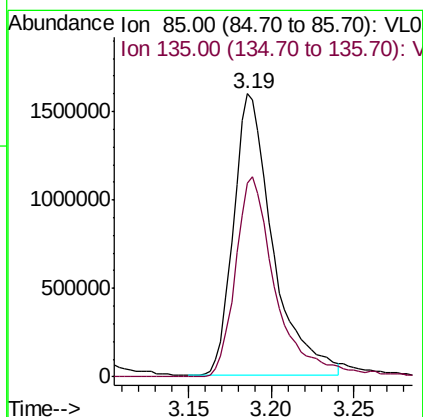
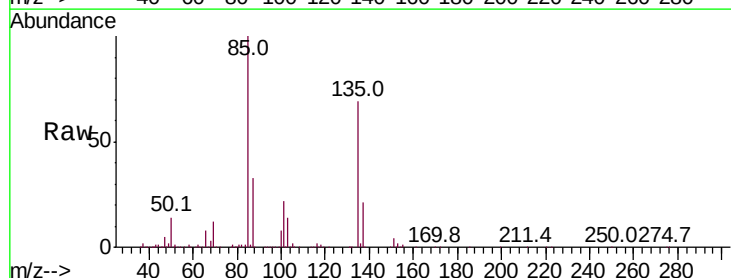
Acq: 4 Sep 2021 1:50

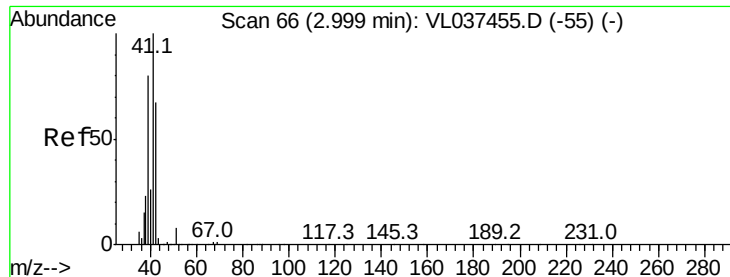
Tgt Ion: 85 Resp: 2631517

Ion Ratio Lower Upper

85 100

135 74.3 58.8 88.2





#9

Propene

Concen: 8.710 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

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ClientSampleId :

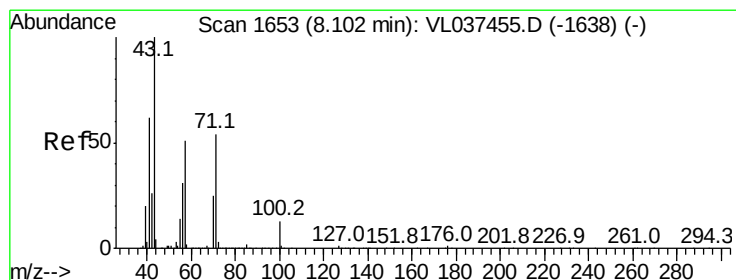
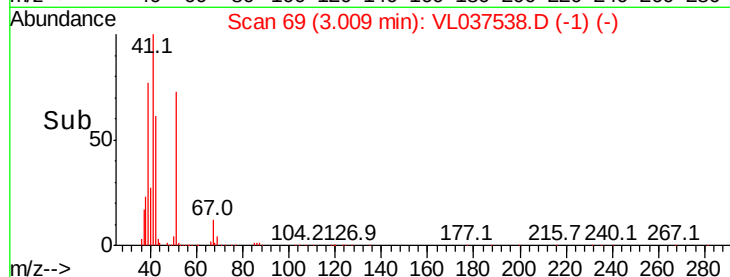
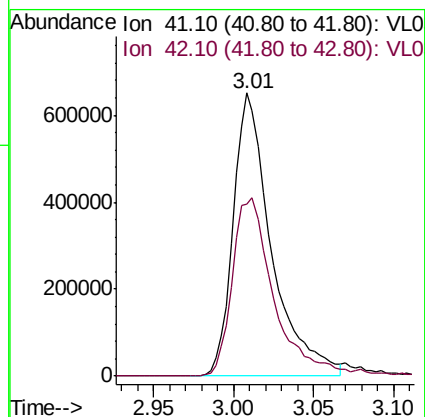
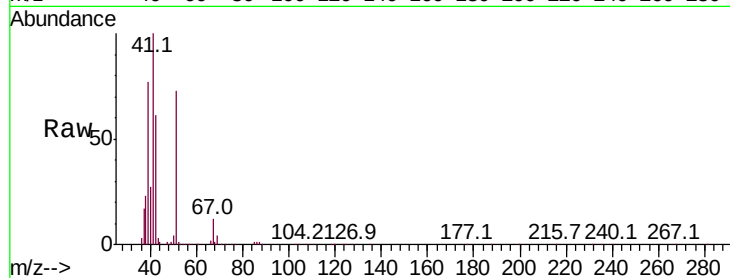
VL0903ABS02

Tot Ion: 41 Resp: 1062394

Ion Ratio Lower Upper

41 100

42 70.0 53.7 80.5



#10

Heptane

Concen: 10.081 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL037538.D

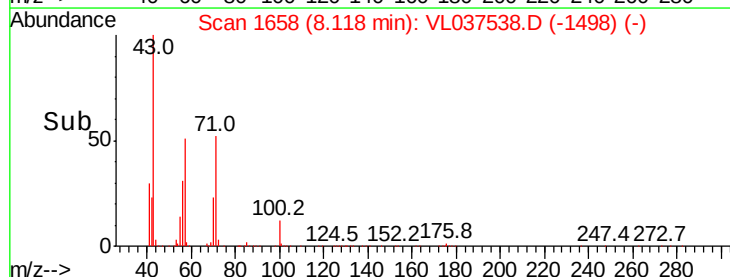
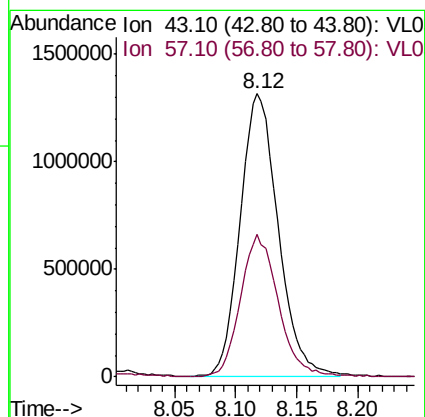
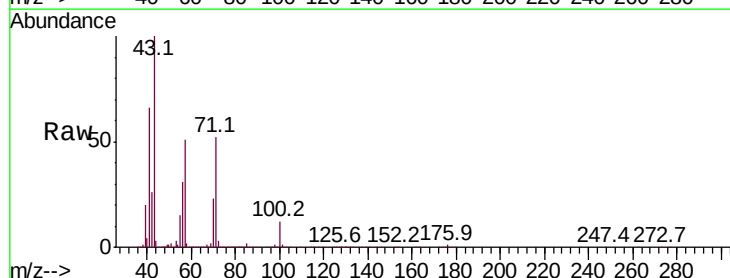
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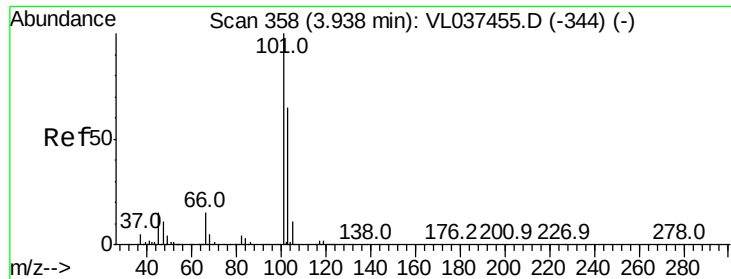
Tgt Ion: 43 Resp: 2830414

Ion Ratio Lower Upper

43 100

57 50.3 41.0 61.6

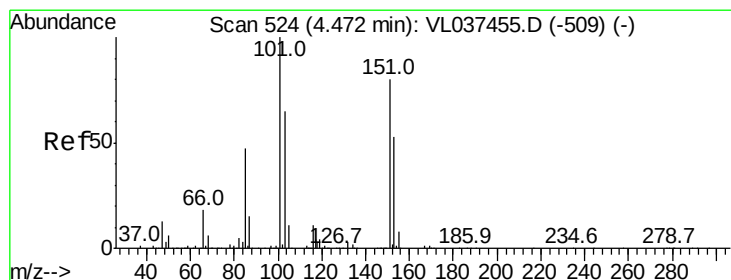
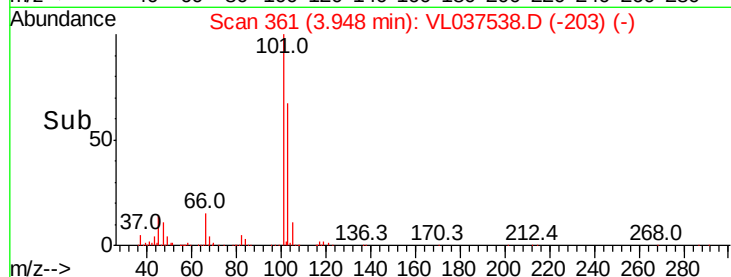
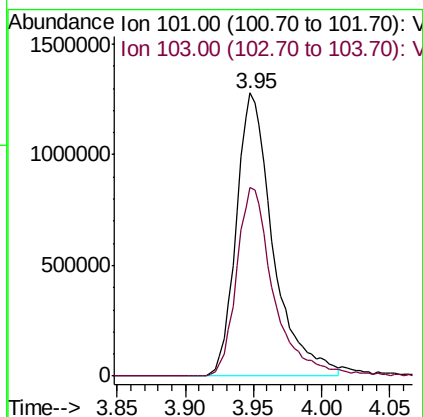
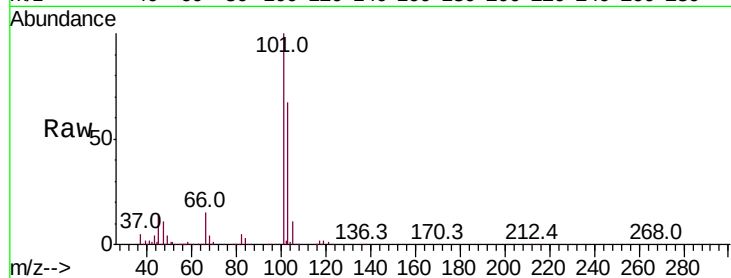




#11
 Trichlorofluoromethane
 Concen: 8.943 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

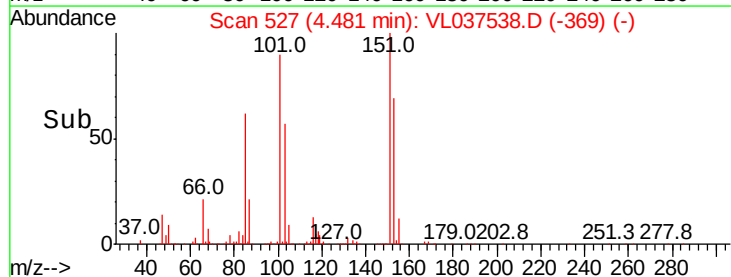
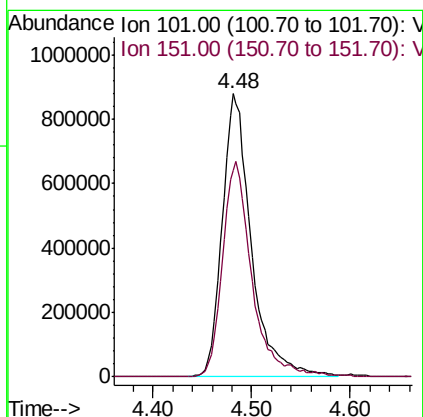
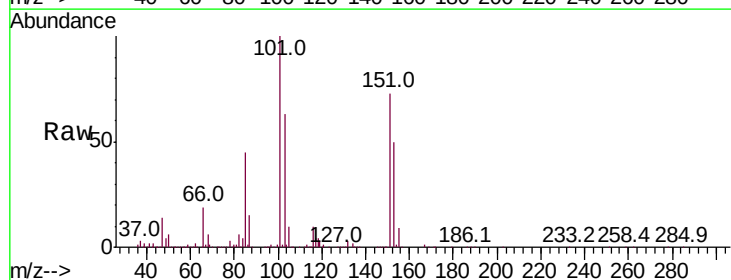
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

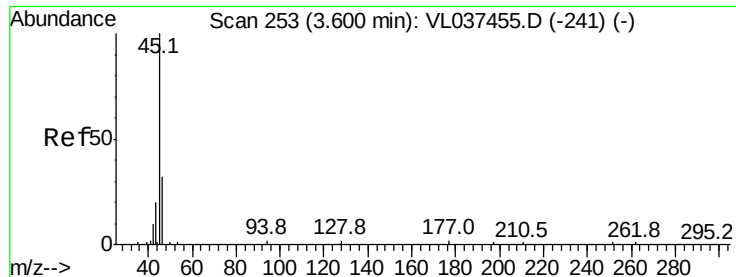
Tot Ion:101 Resp: 2397940
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.250 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

Tgt Ion:101 Resp: 1819966
 Ion Ratio Lower Upper
 101 100
 151 77.2 63.7 95.5

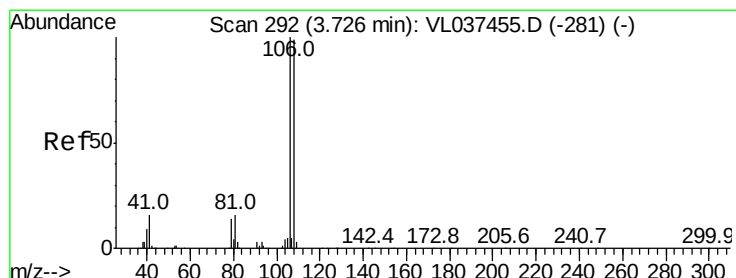
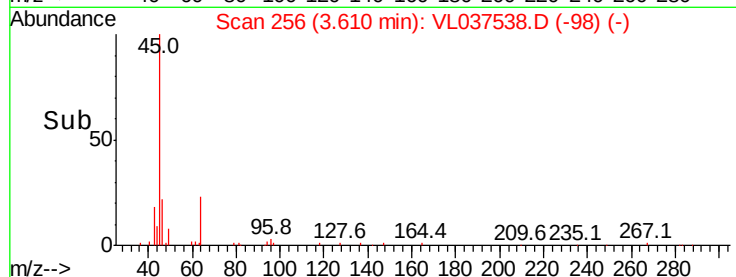
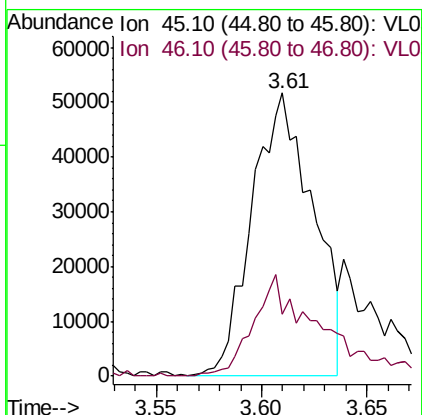
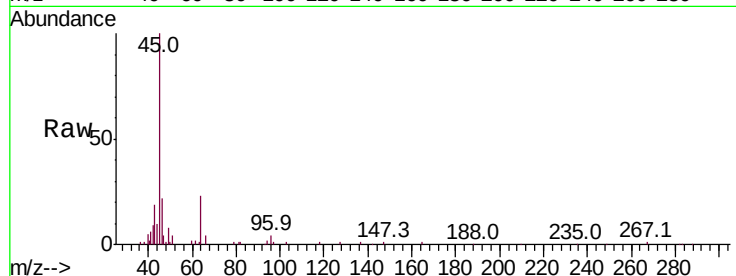




#13
Ethanol
Concen: 8.741 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

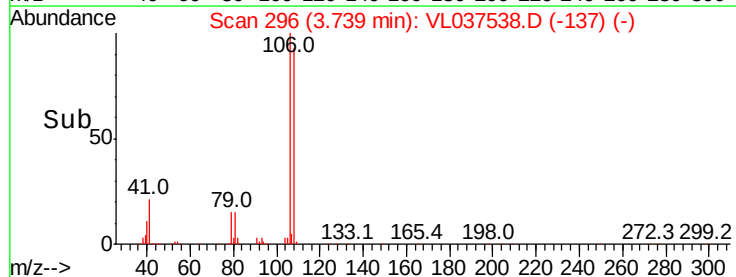
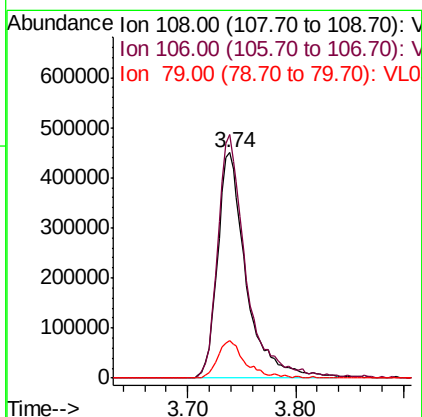
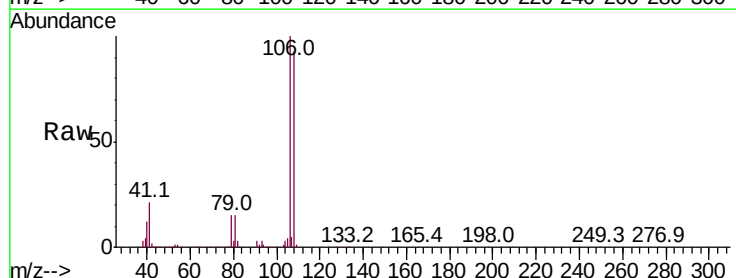
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

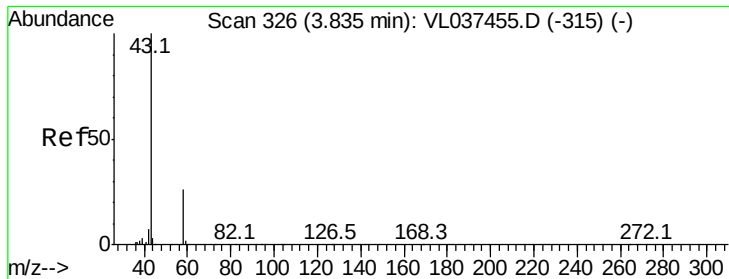
Tot Ion: 45 Resp: 103751
Ion Ratio Lower Upper
45 100
46 42.7 14.1 56.5



#14
Bromoethene
Concen: 9.262 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 108 Resp: 827340
Ion Ratio Lower Upper
108 100
106 108.0 85.8 128.8
79 17.1 12.6 18.8

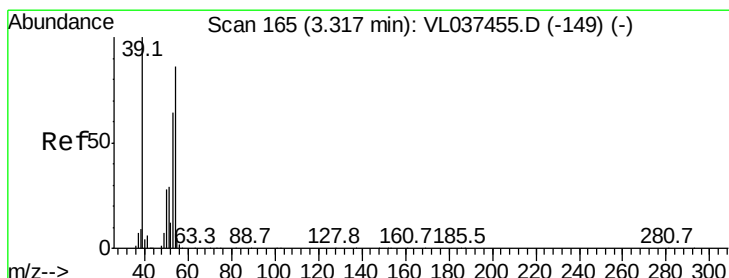
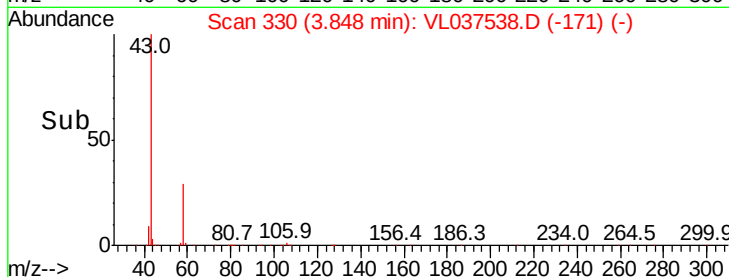
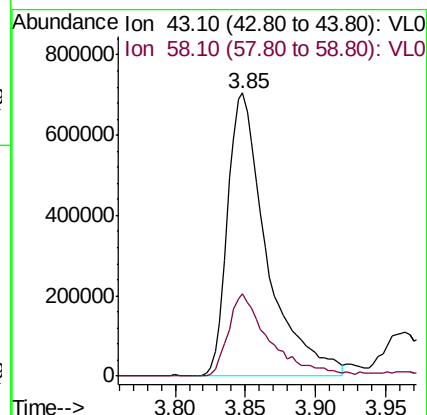
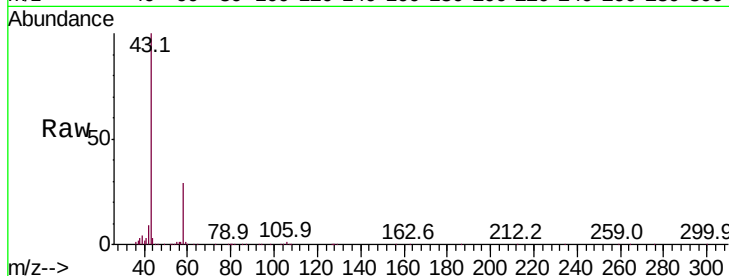




#15
Acetone
Concen: 7.573 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

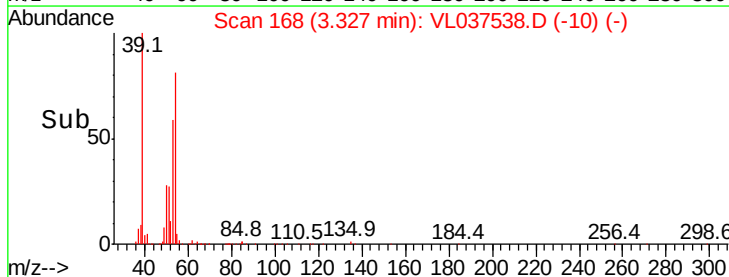
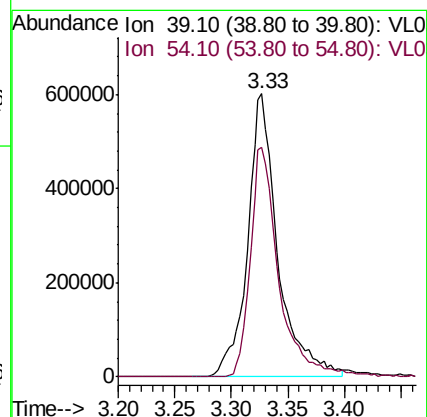
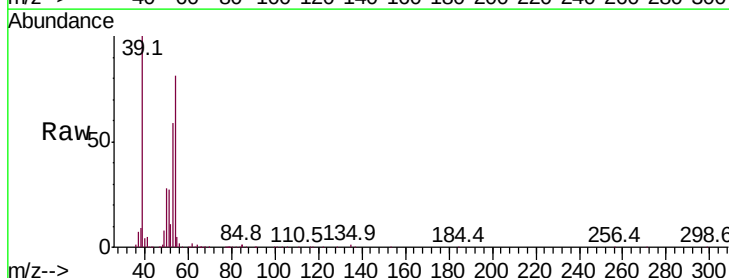
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

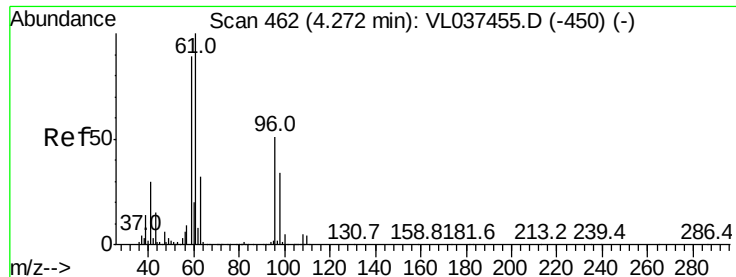
Tot Ion: 43 Resp: 1372138
Ion Ratio Lower Upper
43 100
58 31.1 24.8 37.2



#16
1,3-Butadiene
Concen: 9.629 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 39 Resp: 1119131
Ion Ratio Lower Upper
39 100
54 77.3 63.7 95.5





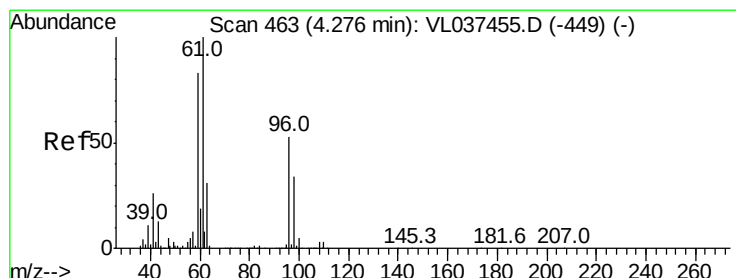
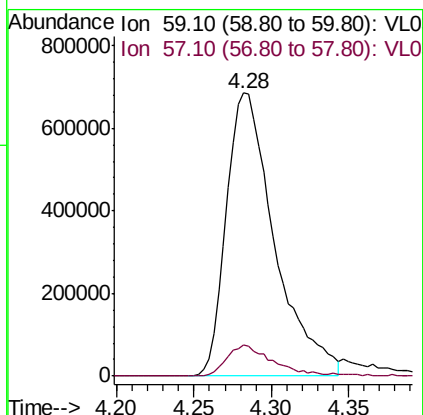
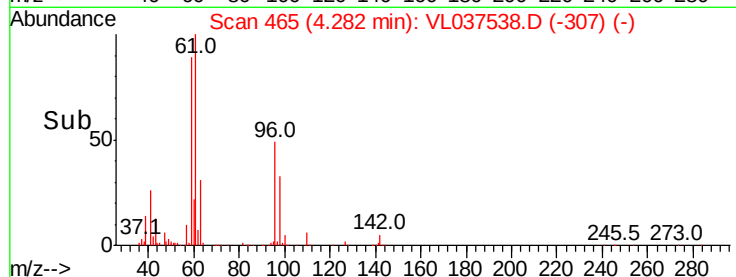
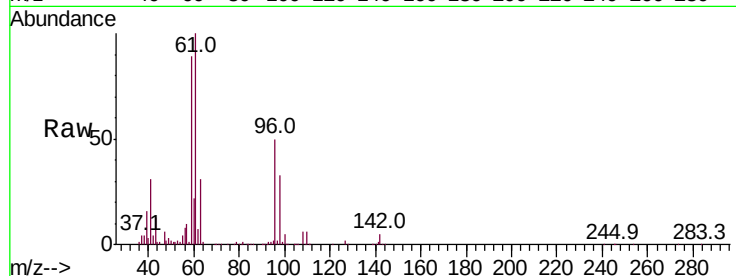
#17

tert-Butyl alcohol
Concen: 8.988 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

Tot Ion: 59 Resp: 1487642

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

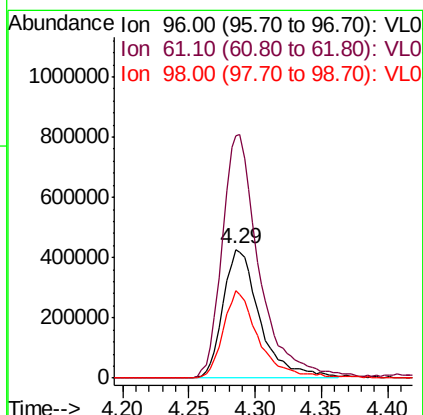
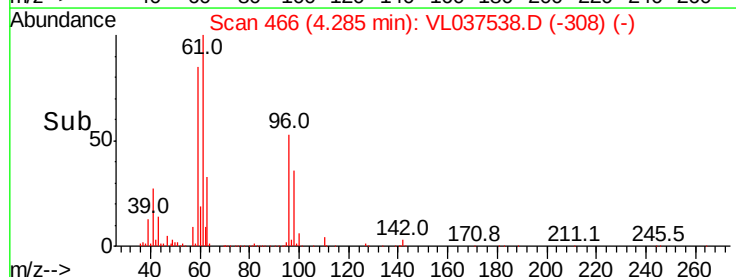
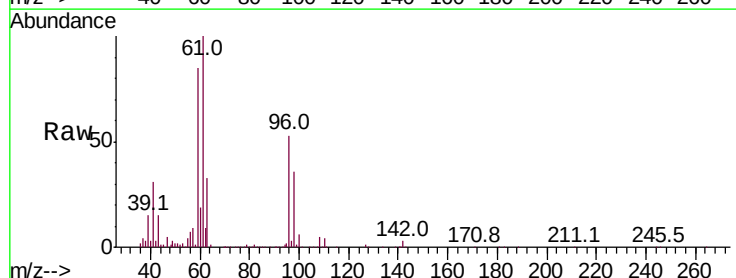


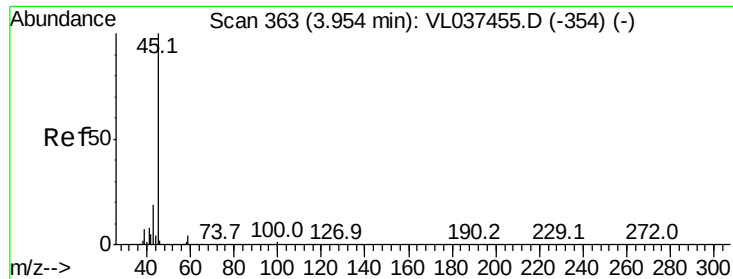
#18

1,1-Dichloroethene
Concen: 9.256 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 96 Resp: 827326

Ion	Ratio	Lower	Upper
96	100		
61	187.9	151.1	226.7
98	67.5	51.8	77.8





#19

Isopropyl Alcohol

Concen: 8.727 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

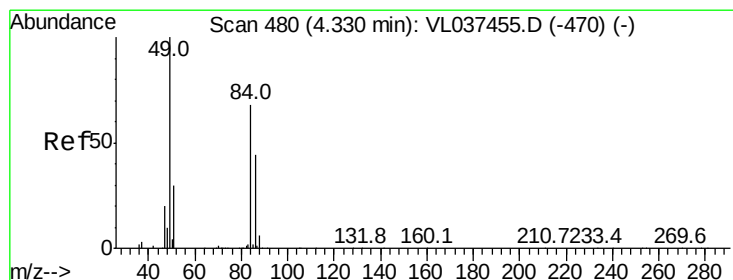
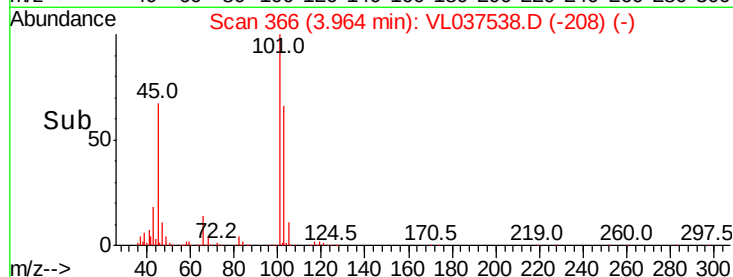
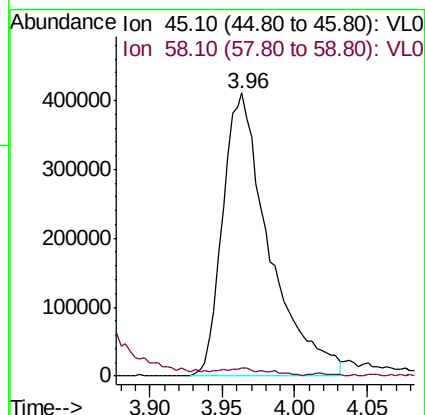
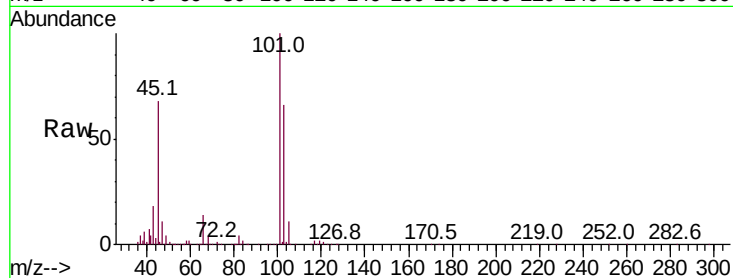
VL0903ABS02

Tot Ion: 45 Resp: 905823

Ion Ratio Lower Upper

45 100

58 3.1 1.4 2.2#



#20

Methylene Chloride

Concen: 7.703 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Tgt Ion: 84 Resp: 698757

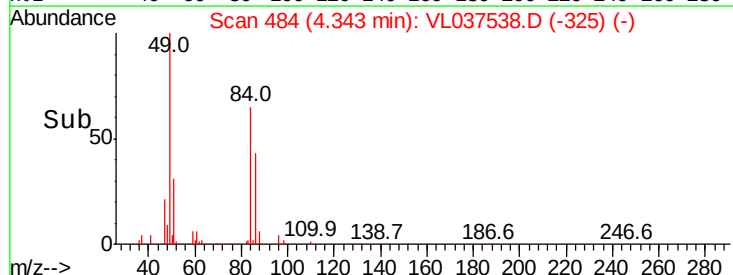
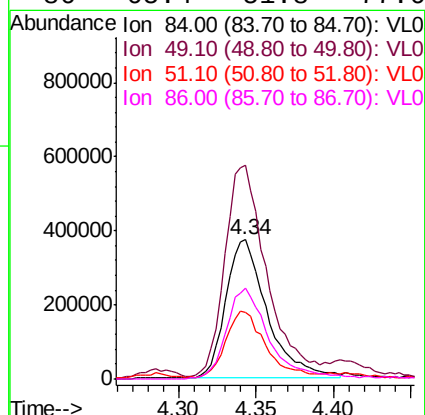
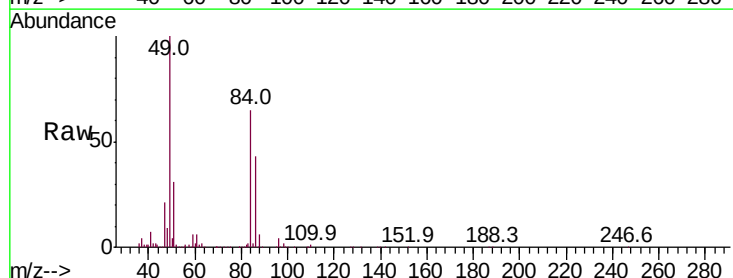
Ion Ratio Lower Upper

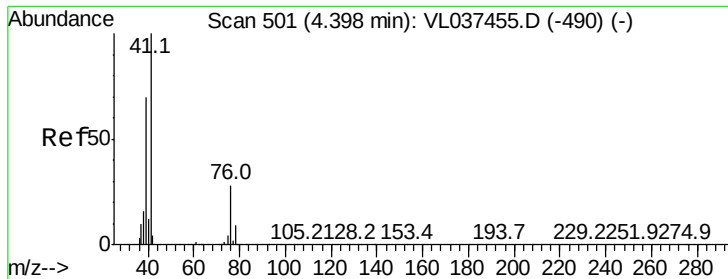
84 100

49 152.0 118.2 177.2

51 46.4 36.6 55.0

86 65.4 51.8 77.6

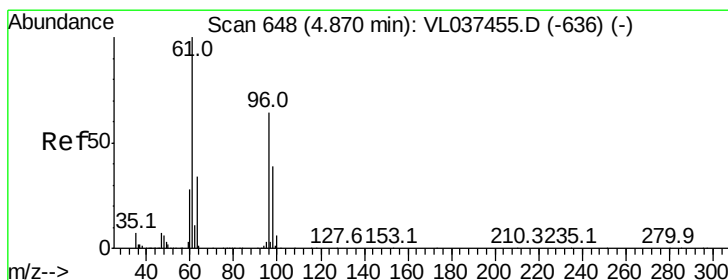
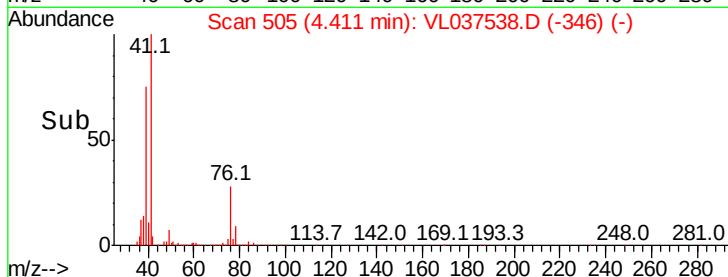
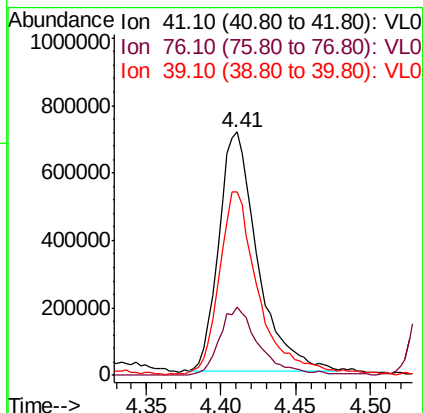
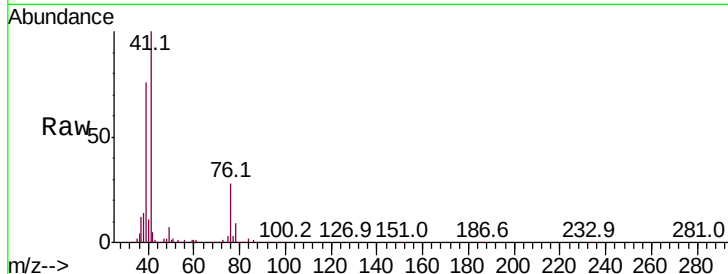




#21
Allvl Chloride
Concen: 8.679 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

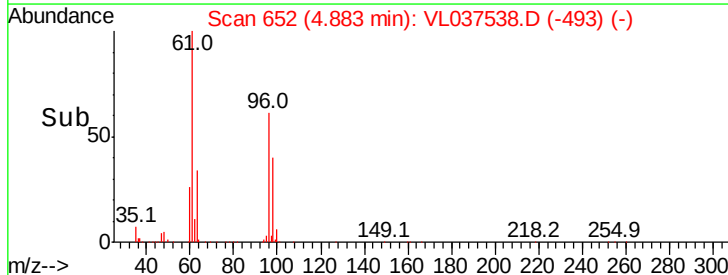
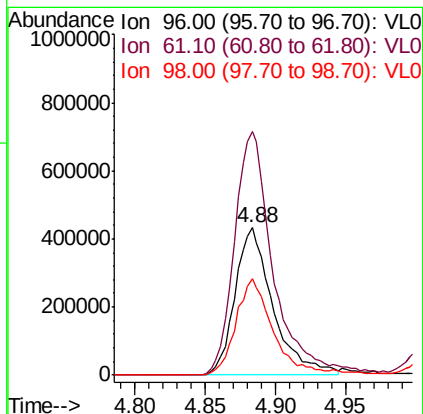
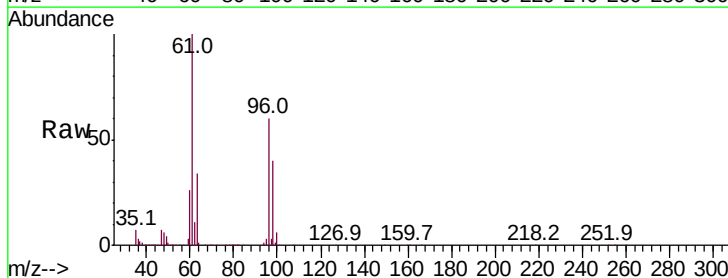
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

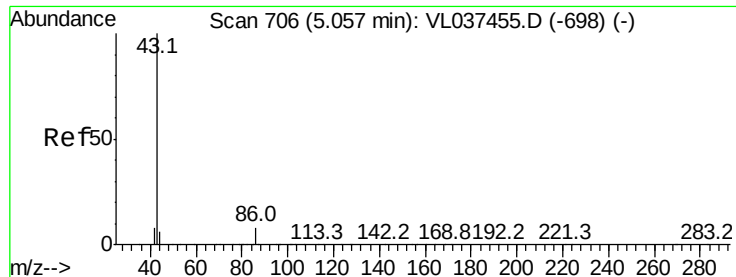
Tot Ion: 41 Resp: 1277248
Ion Ratio Lower Upper
41 100
76 29.5 21.8 32.6
39 78.7 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 9.157 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 96 Resp: 816573
Ion Ratio Lower Upper
96 100
61 165.2 125.5 188.3
98 65.6 49.0 73.4





#23

Vinyl Acetate

Concen: 9.523 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

Tot Ion: 43 Resp: 2543358

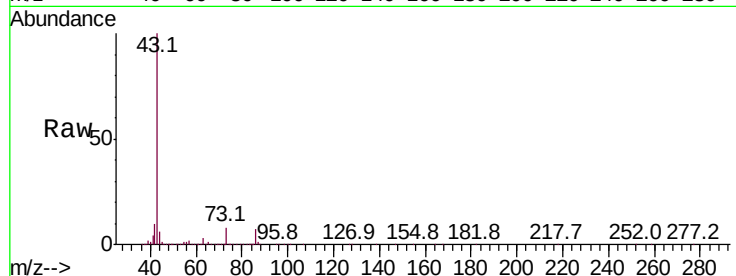
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.7	8.5
42	9.7	7.4	11.2
44	5.8	4.3	6.5

43 100

86 7.2 5.7 8.5

42 9.7 7.4 11.2

44 5.8 4.3 6.5

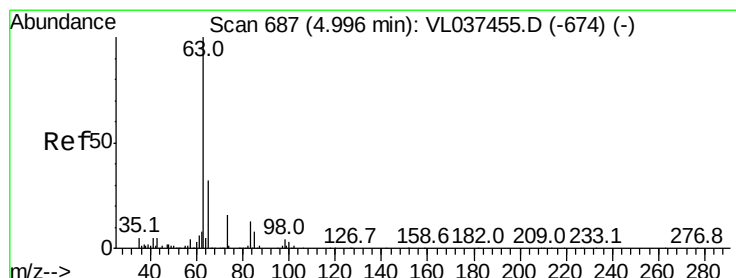
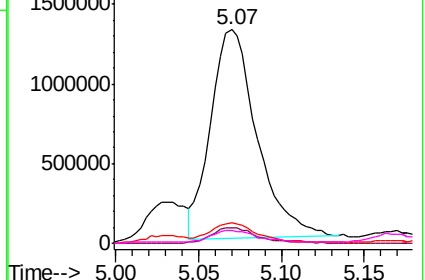
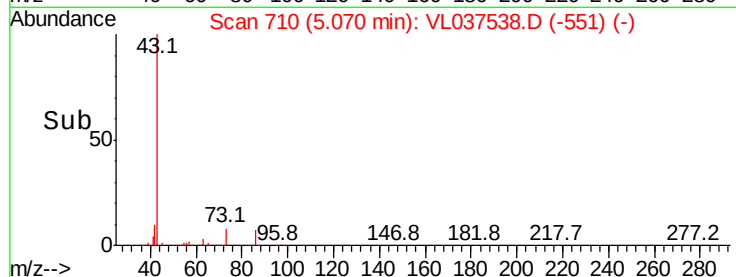


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.265 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

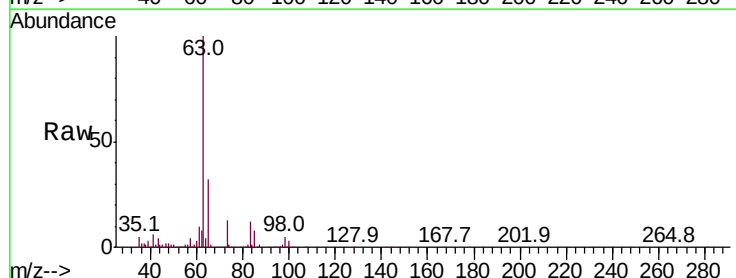
Tgt Ion: 63 Resp: 1988347

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.3
100	2.6	1.6	4.7

63 100

98 4.8 2.1 6.3

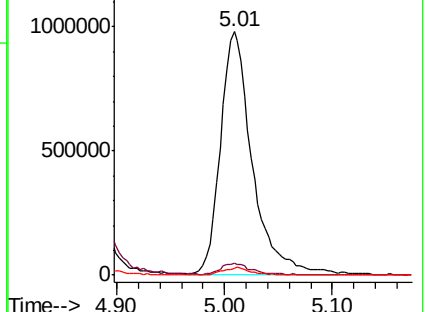
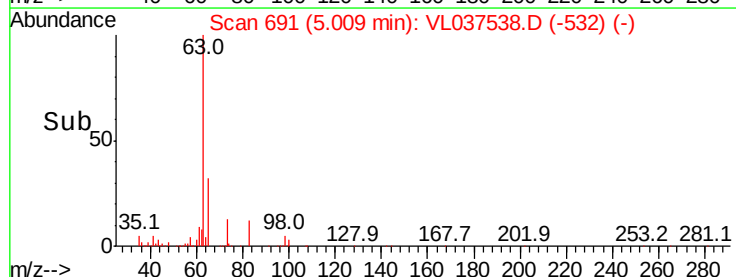
100 2.6 1.6 4.7

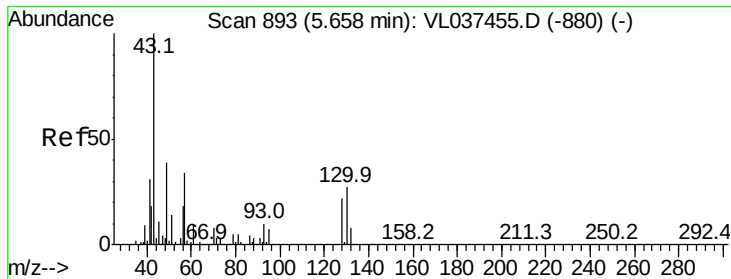


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



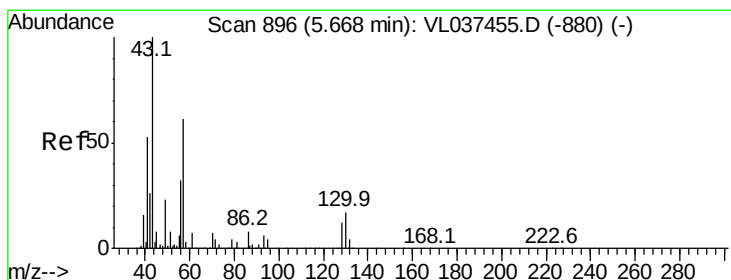
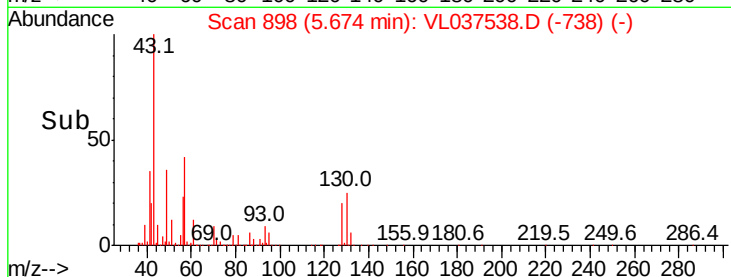
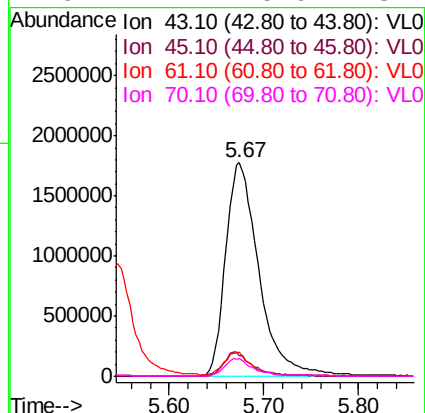
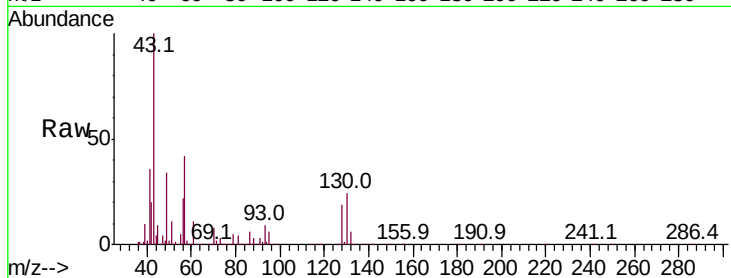


#25
Ethyl Acetate
Concen: 9.386 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

Tot Ion: 43 Resp: 4317036

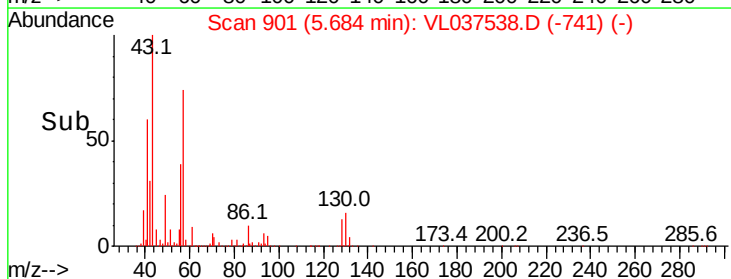
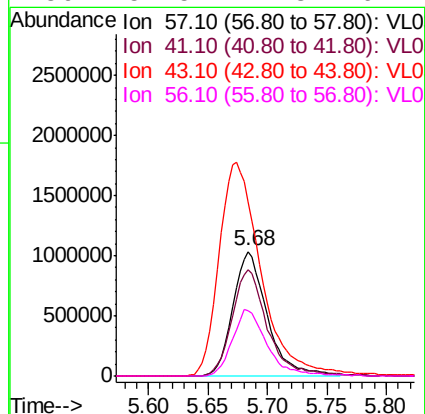
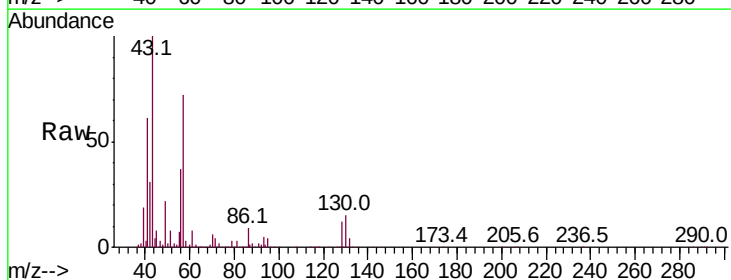
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	8.0	12.0
70	7.1	5.6	8.4

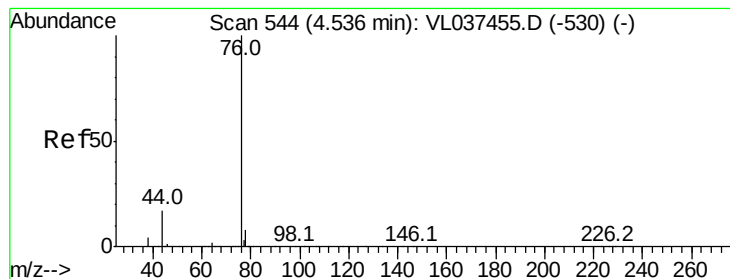


#26
Hexane
Concen: 9.165 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 57 Resp: 2061077

Ion	Ratio	Lower	Upper
57	100		
41	88.6	72.3	108.5
43	211.3	172.3	258.5
56	54.5	42.8	64.2





#27

Carbon Disulfide

Concen: 9.809 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

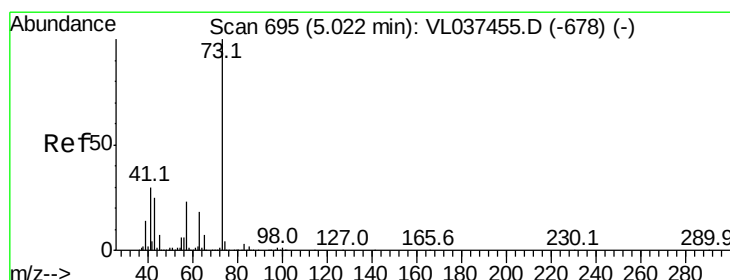
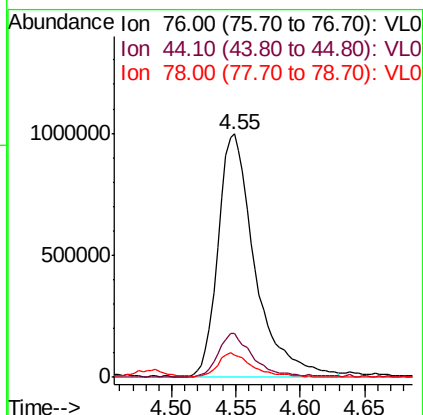
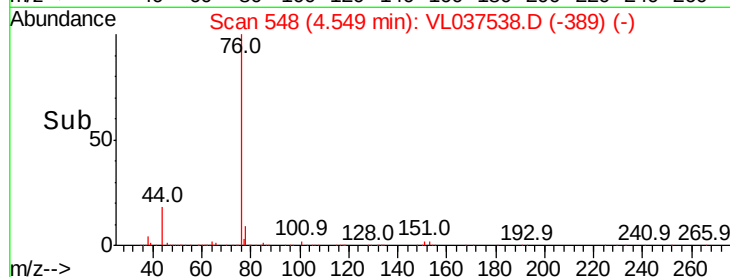
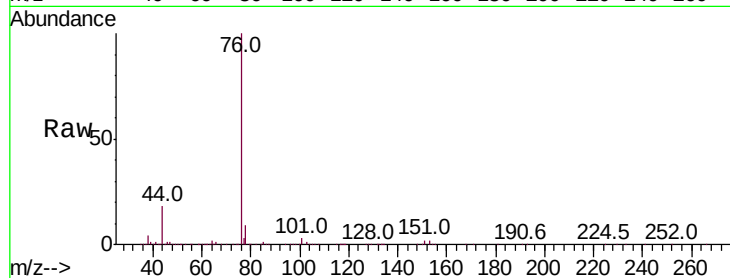
Tot Ion: 76 Resp: 1965865

Ion Ratio Lower Upper

76 100

44 17.8 13.9 20.9

78 9.6 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 9.816 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037538.D

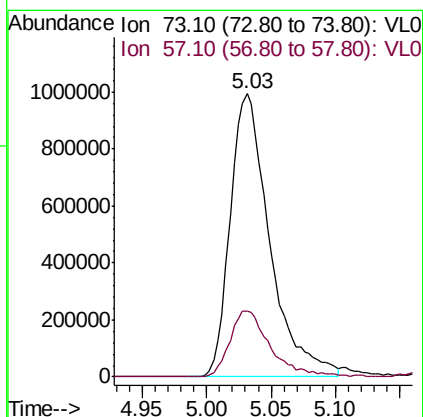
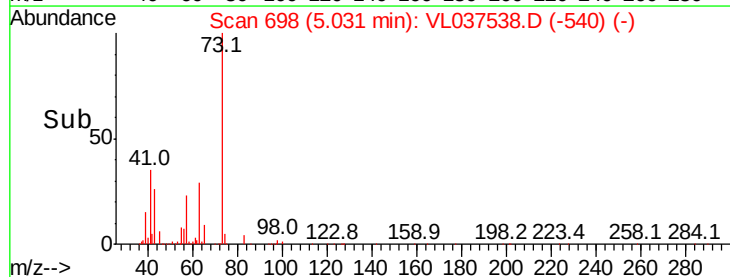
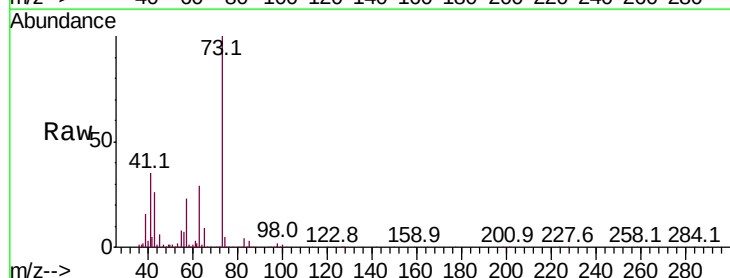
Acq: 4 Sep 2021 1:50

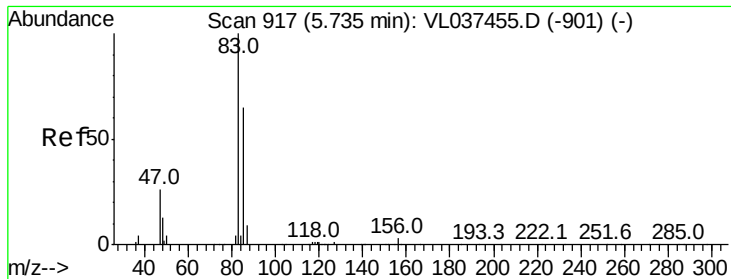
Tgt Ion: 73 Resp: 2120099

Ion Ratio Lower Upper

73 100

57 24.1 19.4 29.2

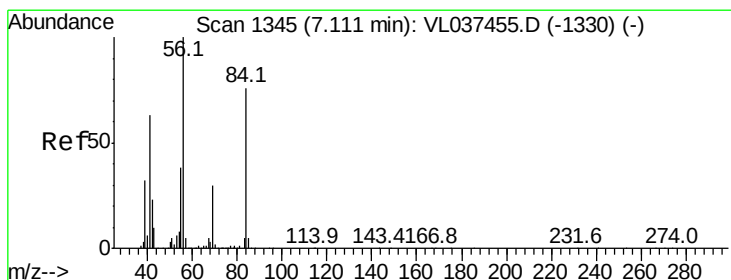
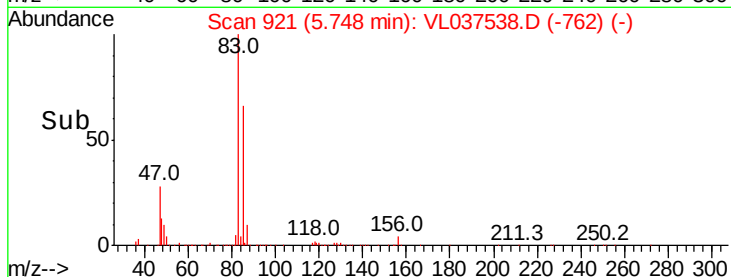
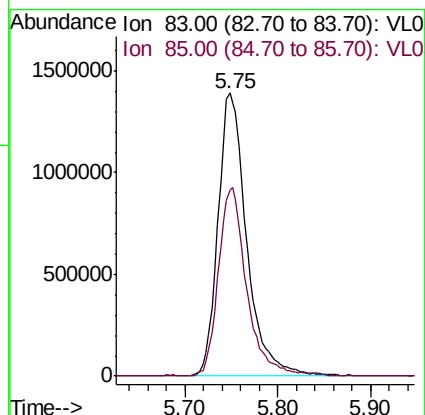
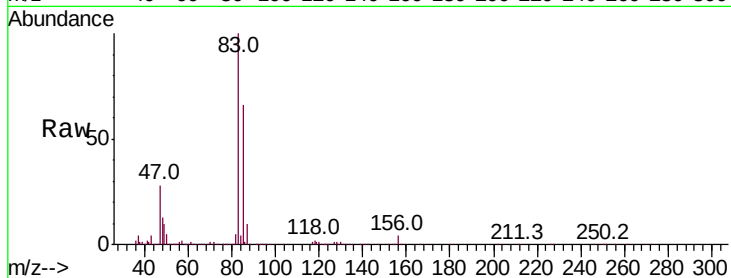




#29
Chloroform
Concen: 9.342 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

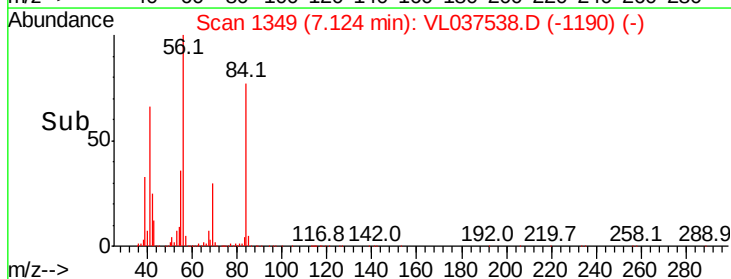
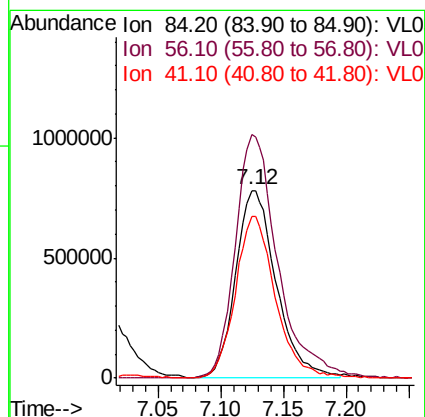
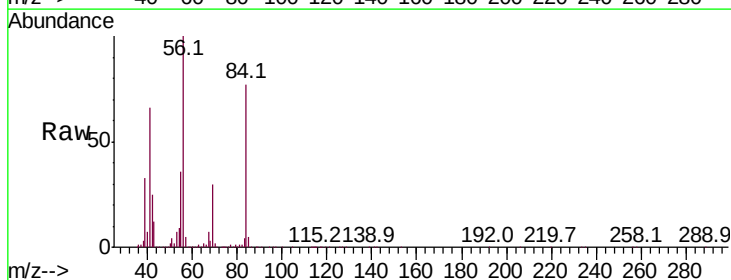
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

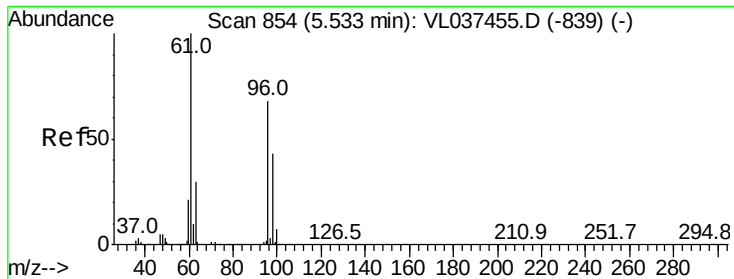
Tot Ion: 83 Resp: 2977435
Ion Ratio Lower Upper
83 100
85 65.8 52.3 78.5



#30
Cyclohexane
Concen: 9.396 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 84 Resp: 1760604
Ion Ratio Lower Upper
84 100
56 136.6 110.6 165.8
41 84.7 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.474 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

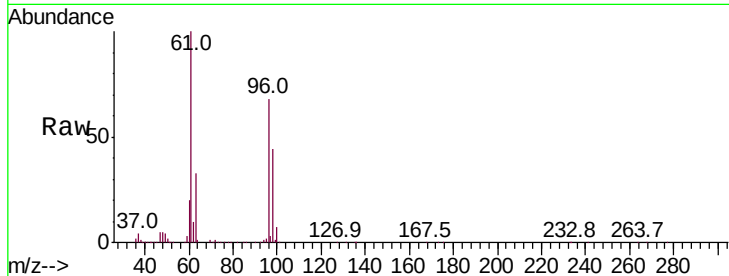
Tot Ion: 61 Resp: 1928319

Ion Ratio Lower Upper

61 100

96 68.3 54.8 82.2

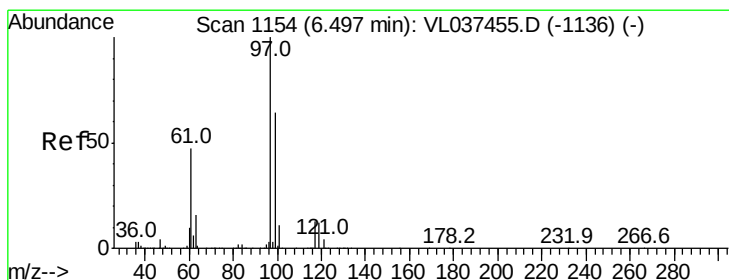
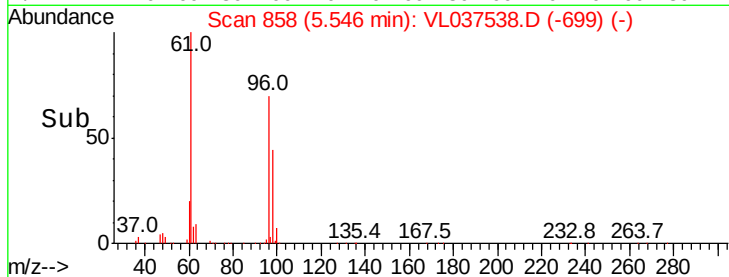
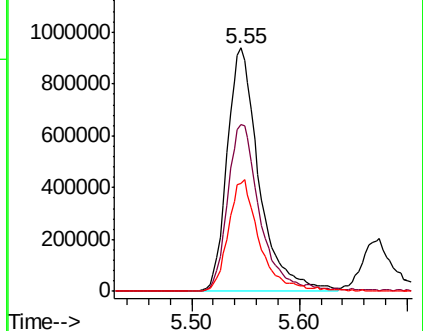
98 44.5 34.2 51.2



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: 9.024 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

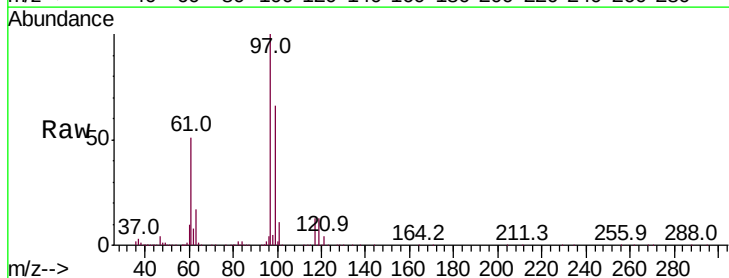
Tgt Ion: 97 Resp: 2825748

Ion Ratio Lower Upper

97 100

99 65.8 51.8 77.6

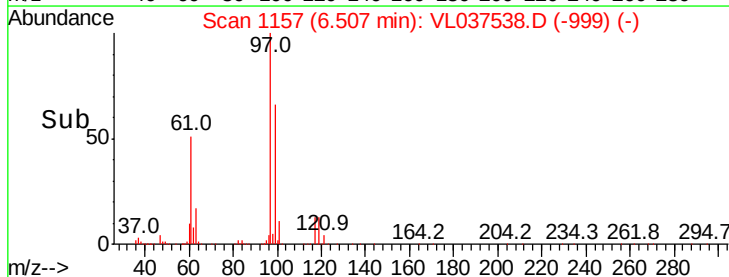
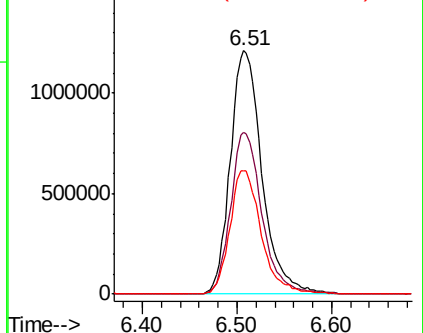
61 50.4 39.6 59.4

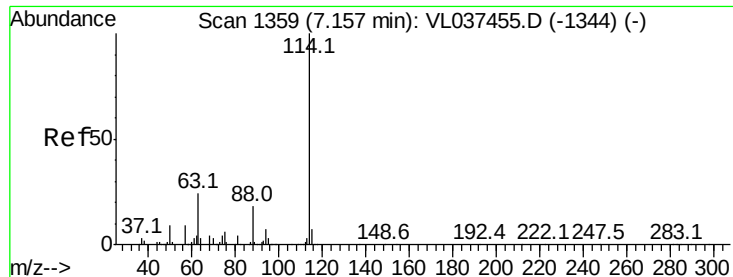


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.17 min Scan# 1363

Delta R.T. 0.01 min

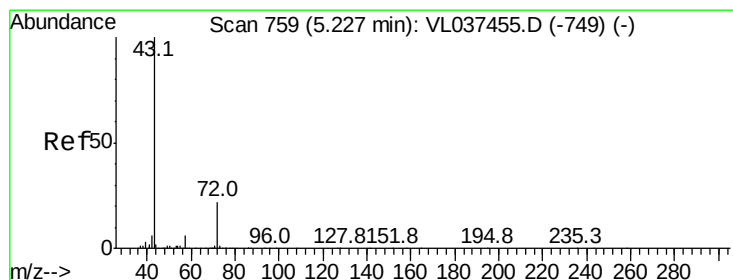
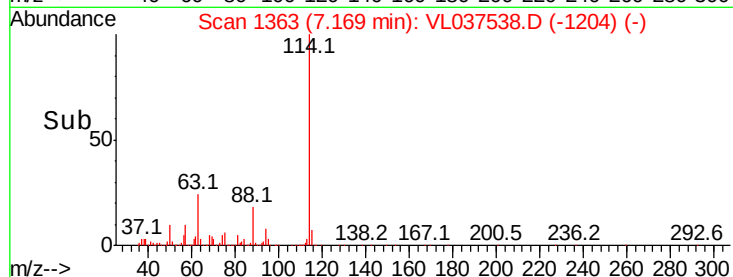
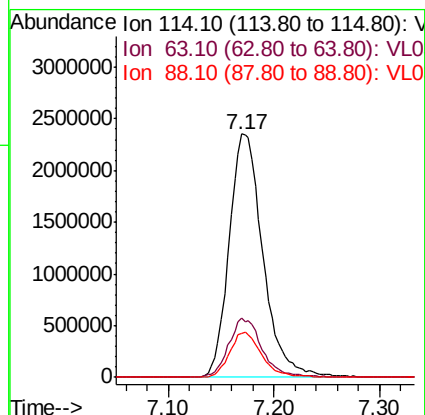
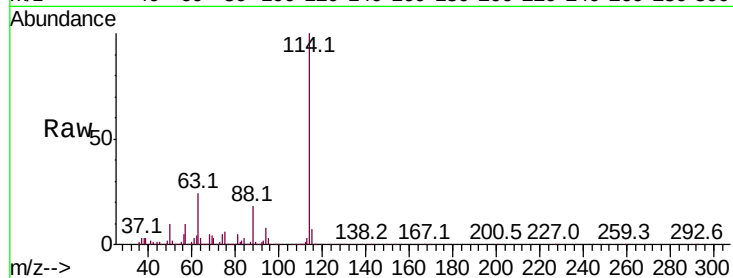
Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

Tot Ion:114 Resp: 5217552

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	17.9	14.2	21.4



#34

2-Butanone

Concen: 8.794 ppbv

RT: 5.24 min Scan# 764

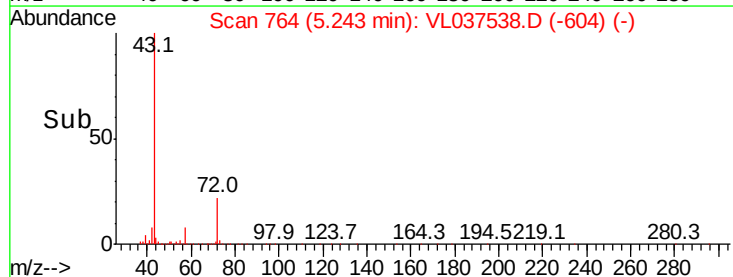
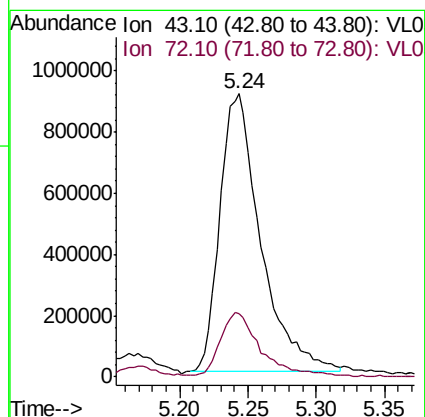
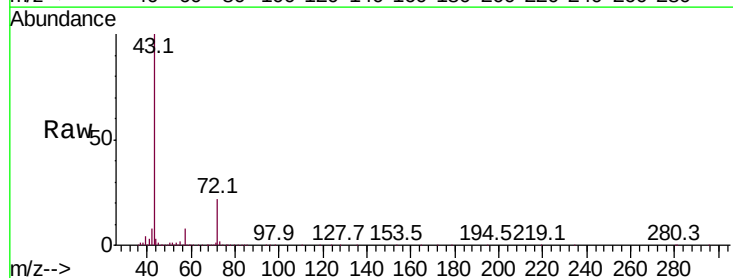
Delta R.T. 0.02 min

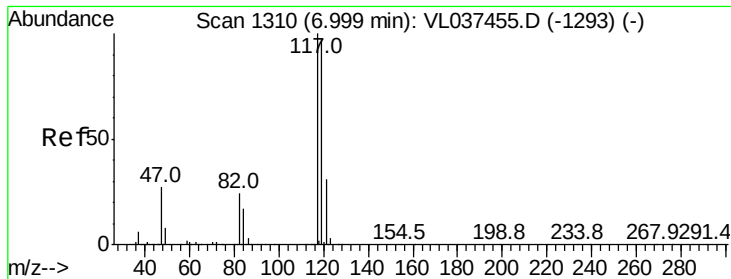
Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Tgt Ion: 43 Resp: 1873693

Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.4	26.0





#35

Carbon Tetrachloride

Concen: 9.561 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

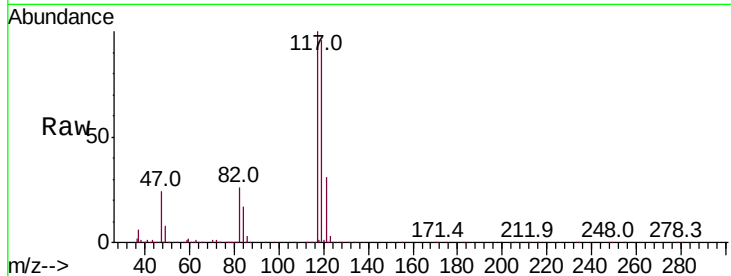
Tot Ion:117 Resp: 2948133

Ion Ratio Lower Upper

117 100

119 95.6 77.3 115.9

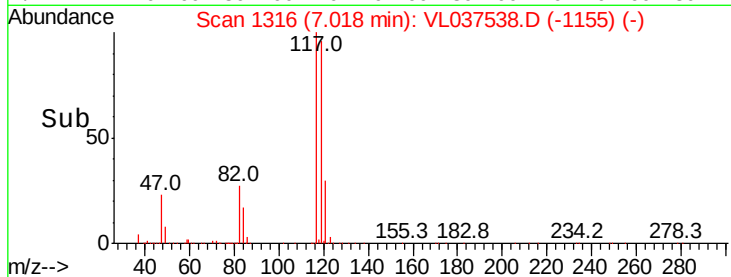
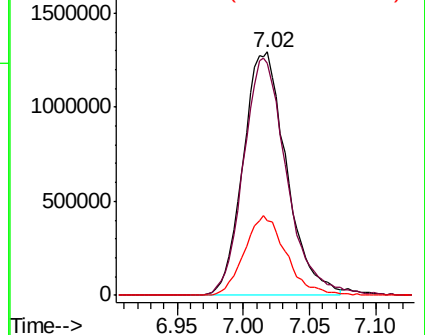
121 30.7 25.2 37.8



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: 9.670 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

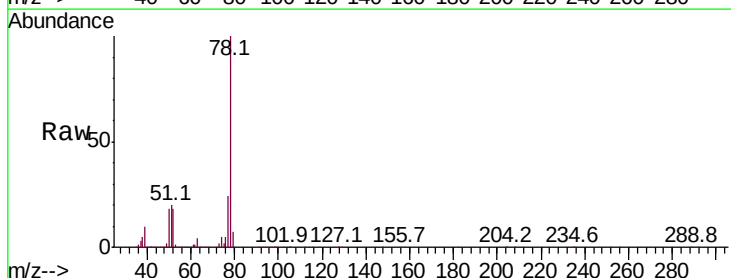
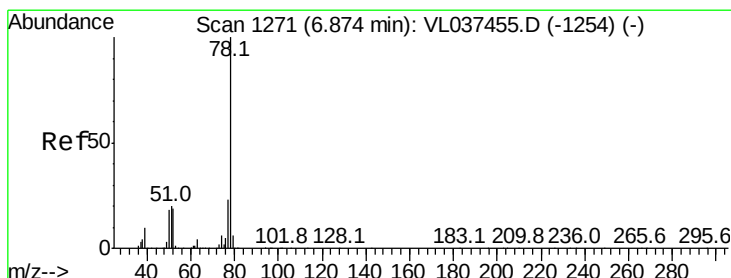
Tgt Ion: 78 Resp: 4241440

Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.4

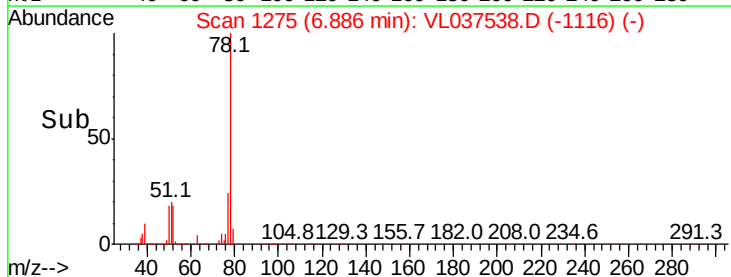
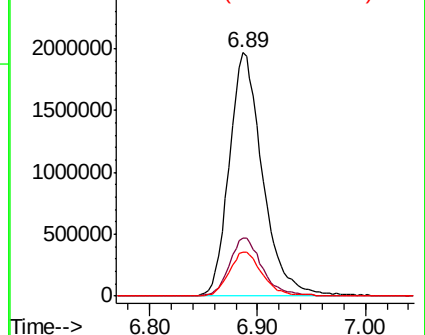
50 18.2 14.6 21.8

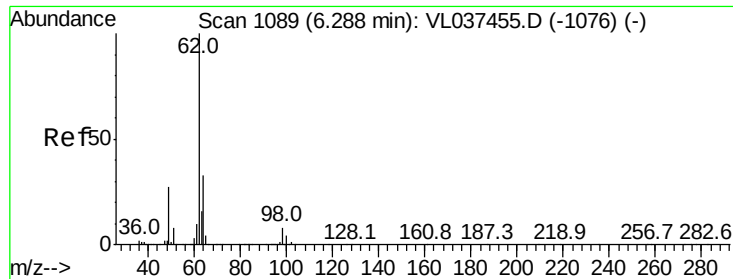


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

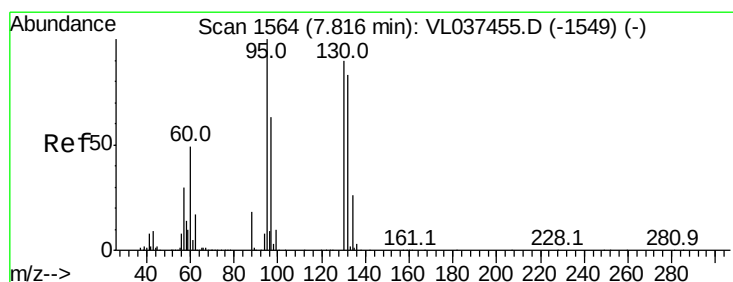
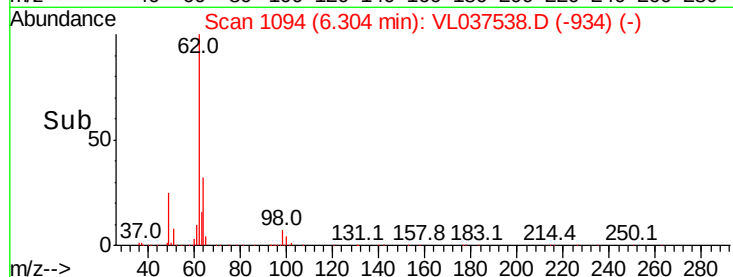
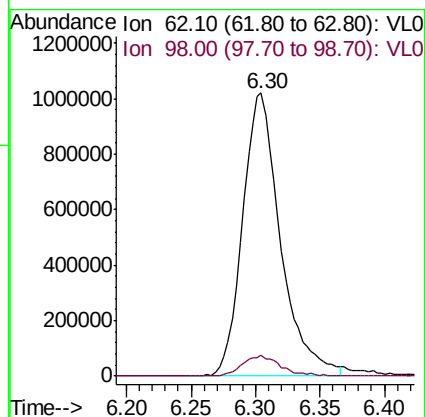
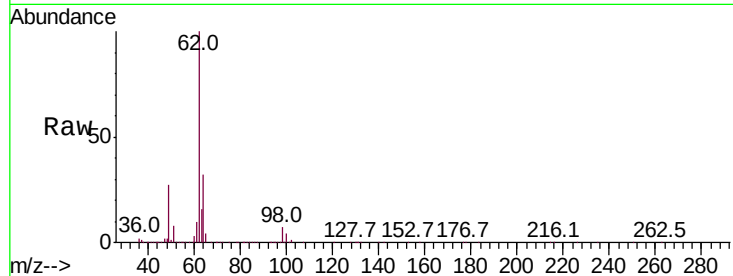




#37
 1,2-Dichloroethane
 Concen: 9.587 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

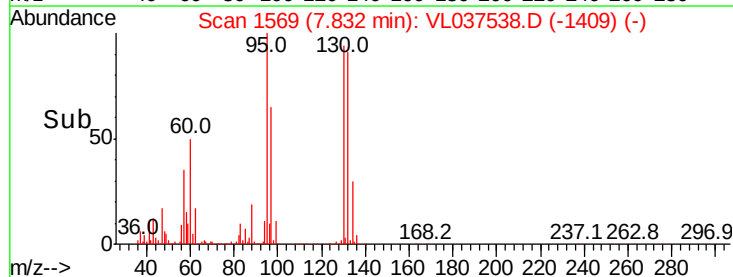
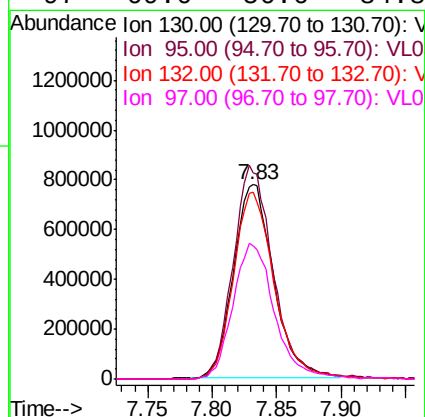
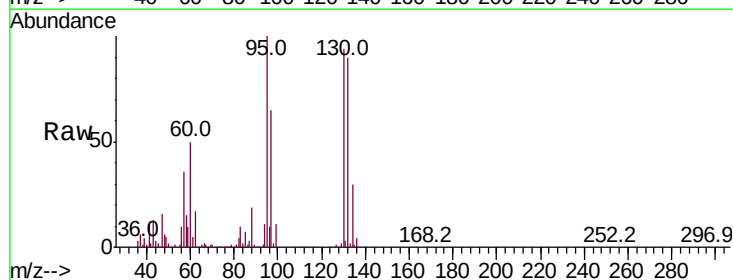
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

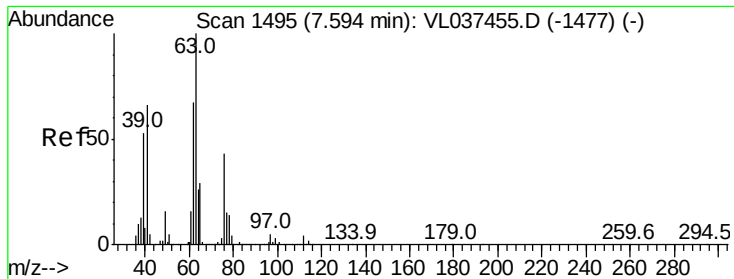
Tot Ion: 62 Resp: 2082795
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.0 9.0



#38
 Trichloroethene
 Concen: 9.406 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

Tgt Ion:130 Resp: 1692654
 Ion Ratio Lower Upper
 130 100
 95 106.5 89.2 133.8
 132 96.5 74.0 111.0
 97 69.0 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.498 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

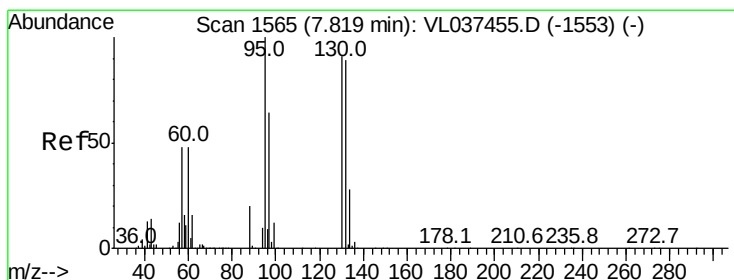
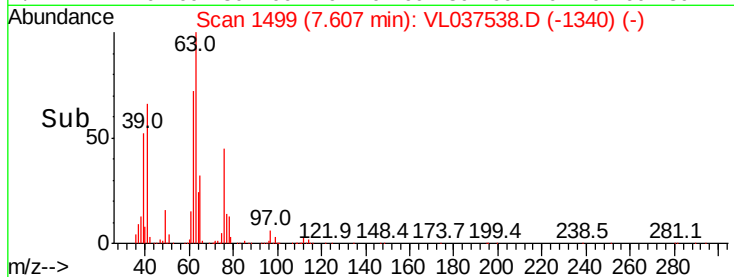
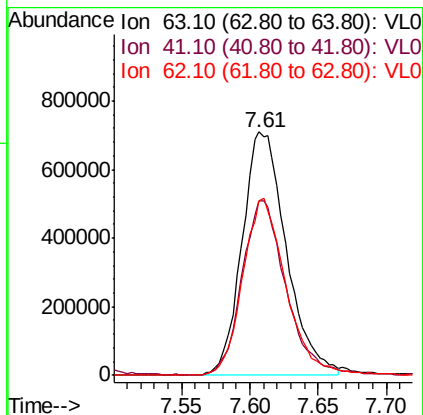
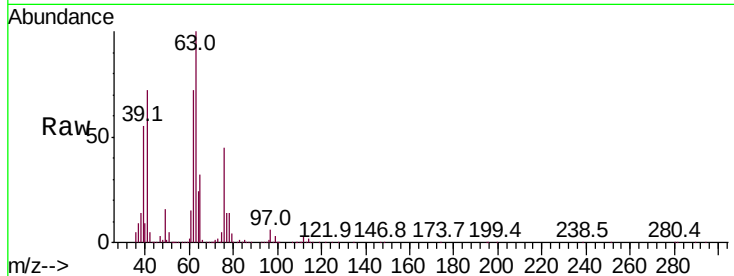
Tot Ion: 63 Resp: 1600763

Ion Ratio Lower Upper

63 100

41 71.5 52.4 78.6

62 71.7 53.6 80.4



#40

1,4-Dioxane

Concen: 9.407 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Tgt Ion: 88 Resp: 388398

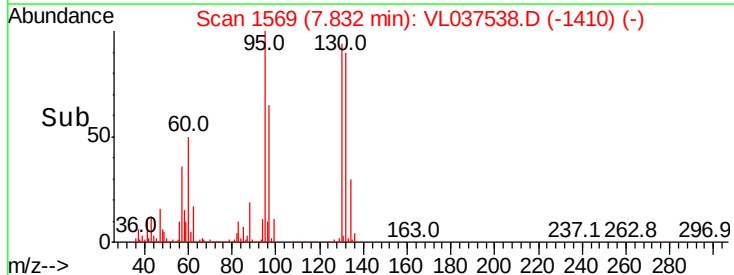
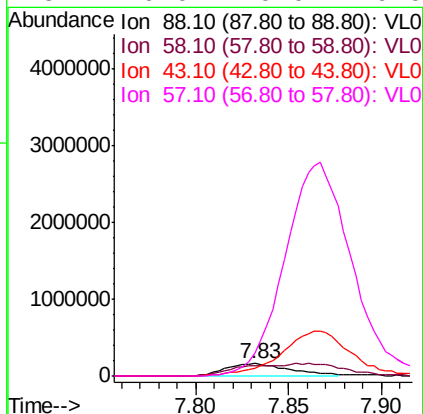
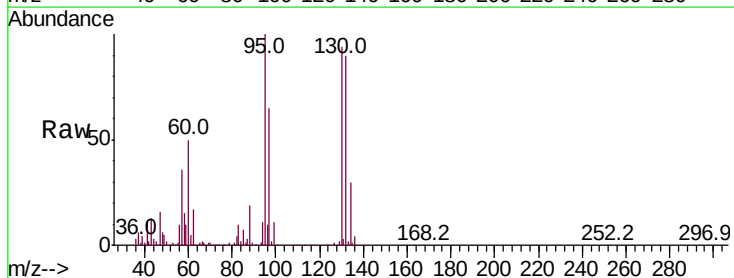
Ion Ratio Lower Upper

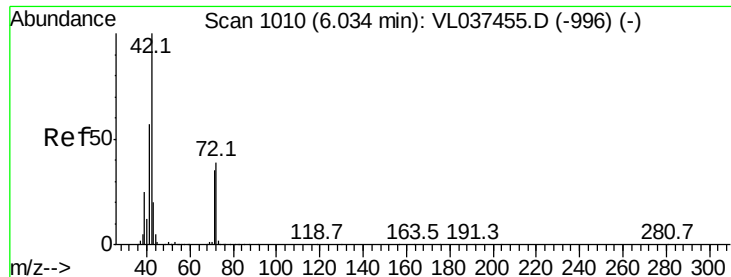
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.572 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

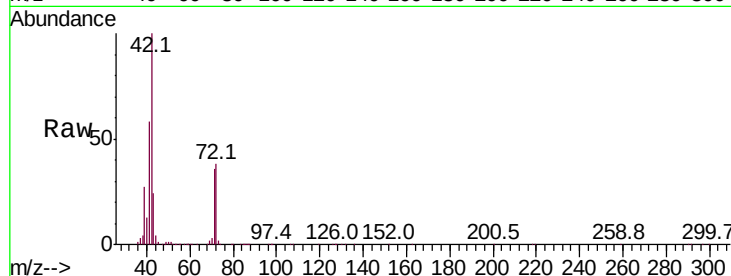
Tot Ion: 42 Resp: 982442

Ion Ratio Lower Upper

42 100

72 39.3 32.2 48.4

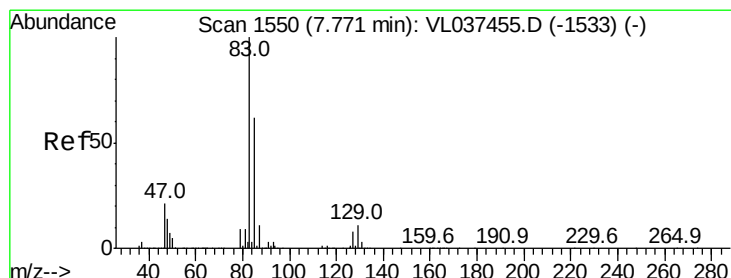
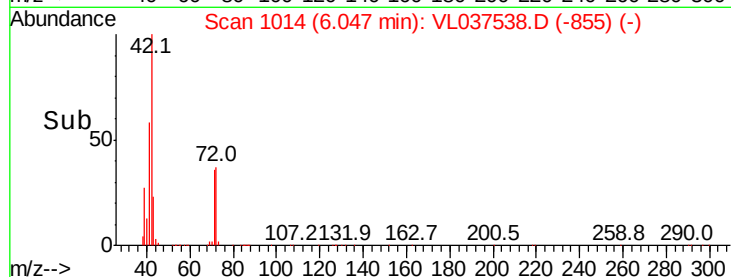
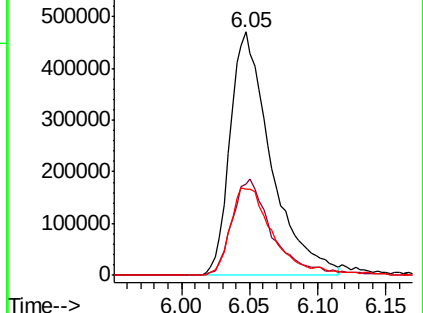
71 38.2 30.5 45.7



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: 9.703 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

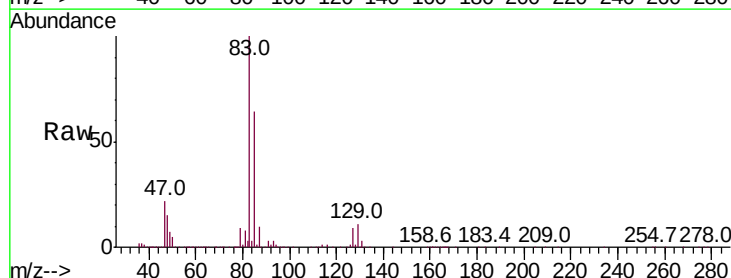
Tgt Ion: 83 Resp: 3082559

Ion Ratio Lower Upper

83 100

85 63.8 49.5 74.3

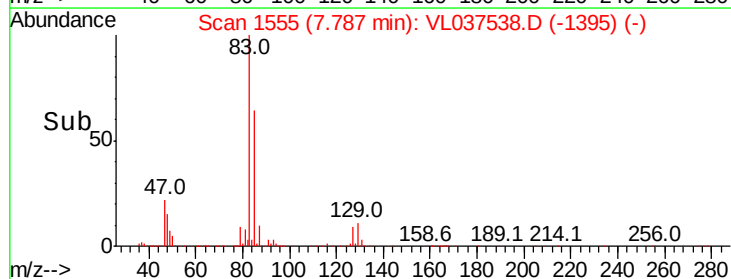
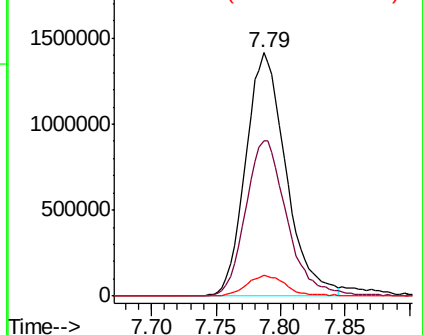
127 8.8 6.3 9.5

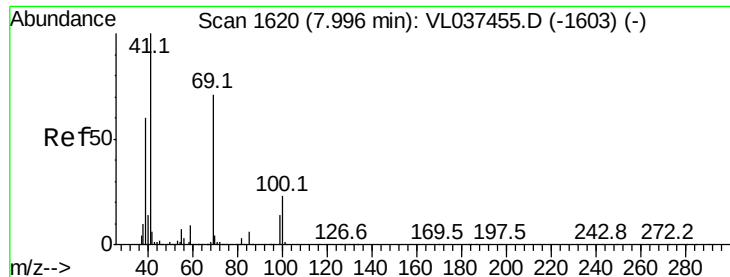


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.111 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. 0.01 min

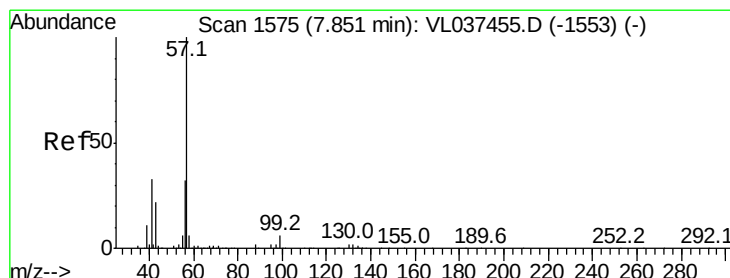
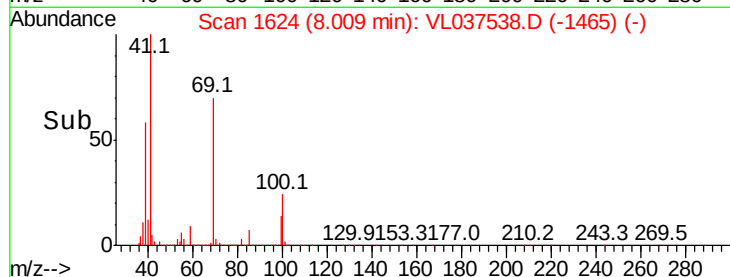
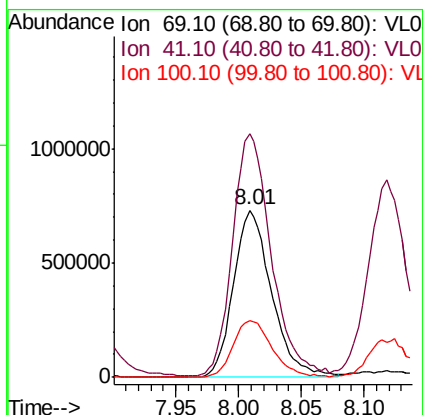
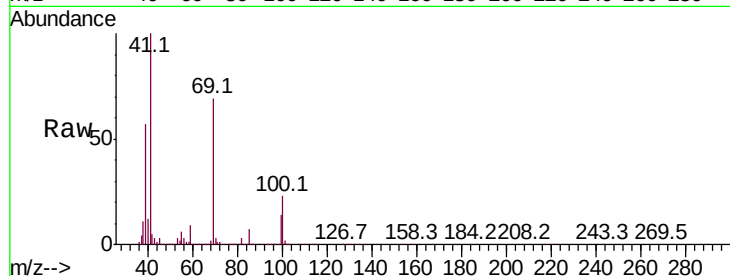
Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

Tot Ion: 69 Resp: 1545749

Ion	Ratio	Lower	Upper
69	100		
41	148.3	118.6	178.0
100	35.4	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 9.588 ppbv

RT: 7.87 min Scan# 1580

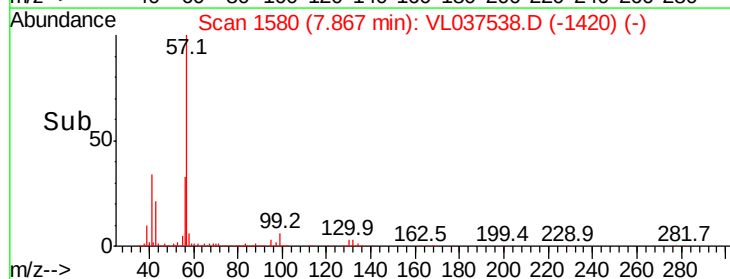
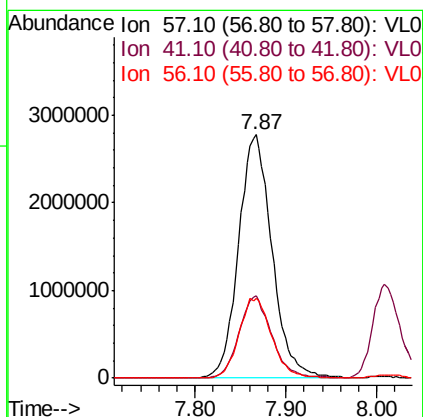
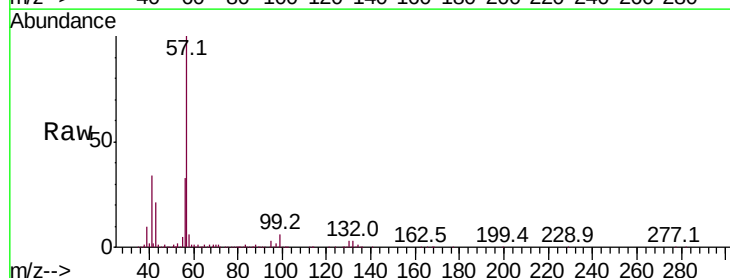
Delta R.T. 0.02 min

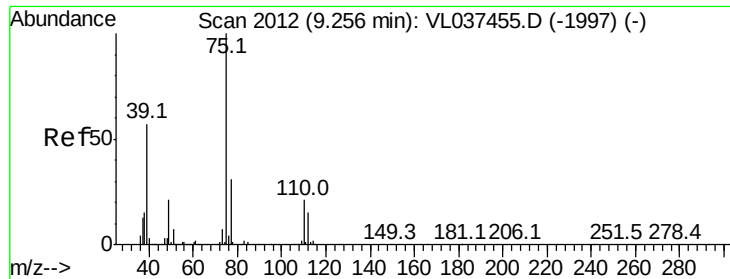
Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Tgt Ion: 57 Resp: 7077834

Ion	Ratio	Lower	Upper
57	100		
41	33.0	26.2	39.4
56	32.3	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 11.562 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

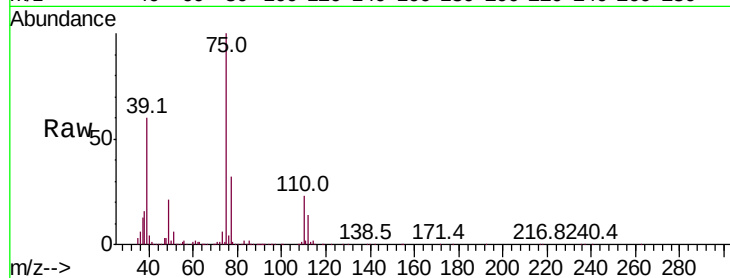
VL0903ABS02

Tot Ion: 75 Resp: 1330570

Ion Ratio Lower Upper

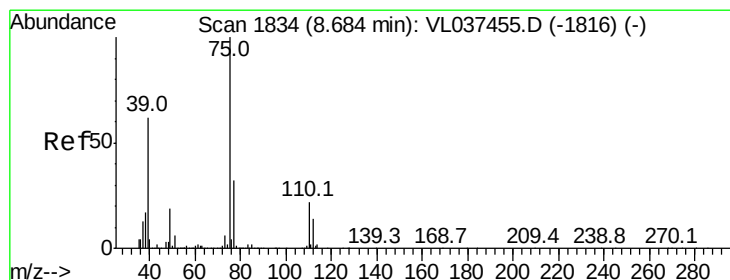
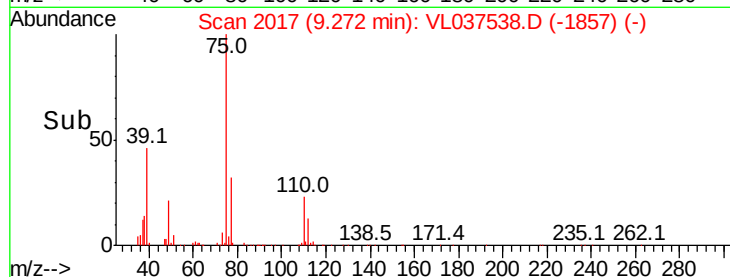
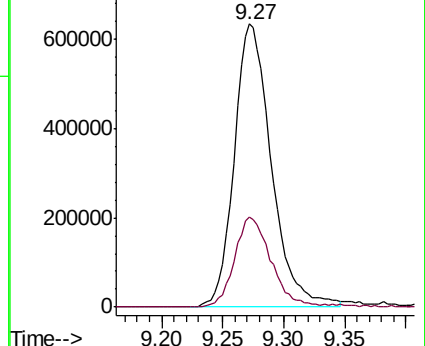
75 100

77 31.9 24.5 36.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.779 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

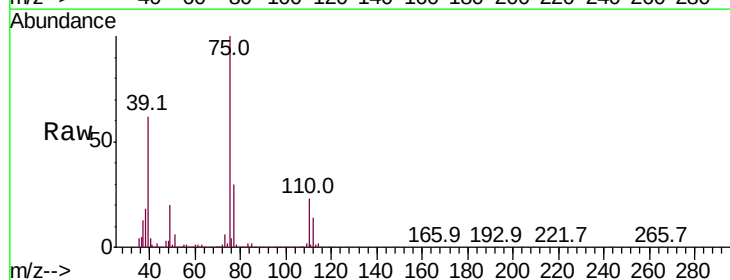
Tgt Ion: 75 Resp: 1730435

Ion Ratio Lower Upper

75 100

39 62.1 49.7 74.5

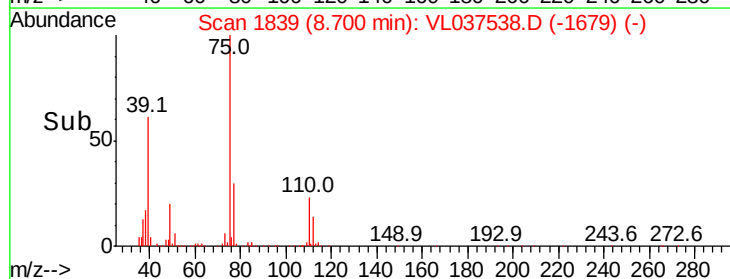
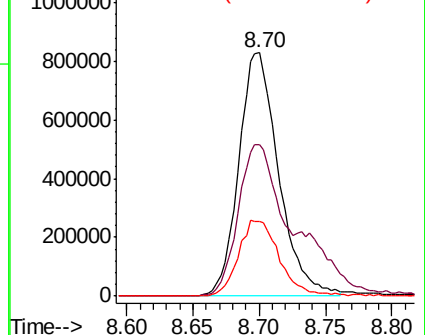
77 30.5 25.4 38.0

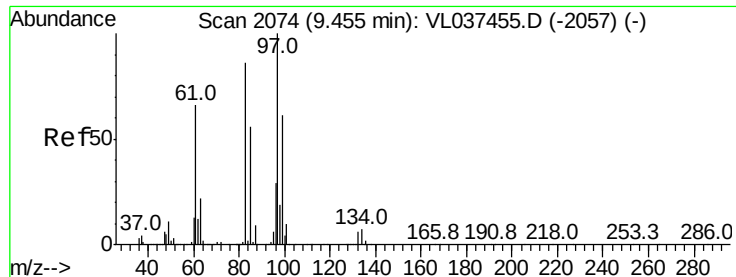


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.642 ppbv

RT: 9.47 min Scan# 2079

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

Tot Ion: 97 Resp: 1755996

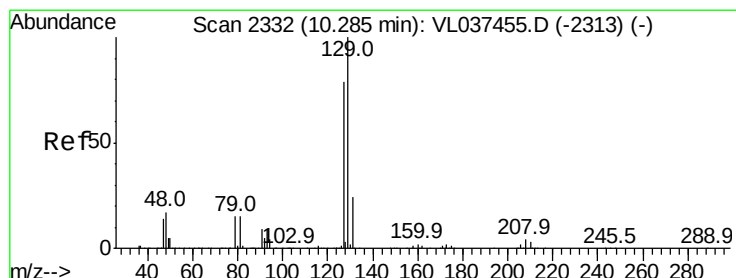
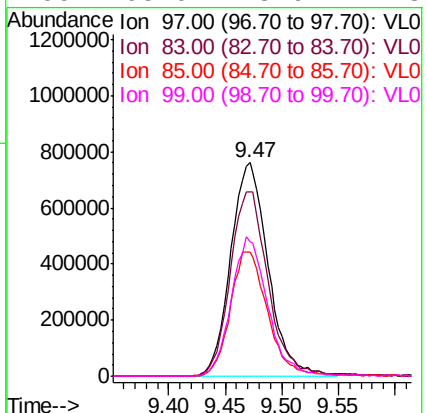
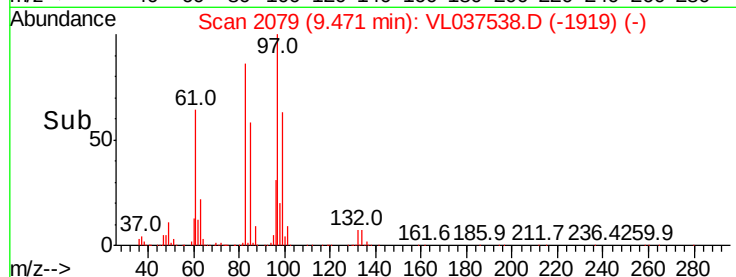
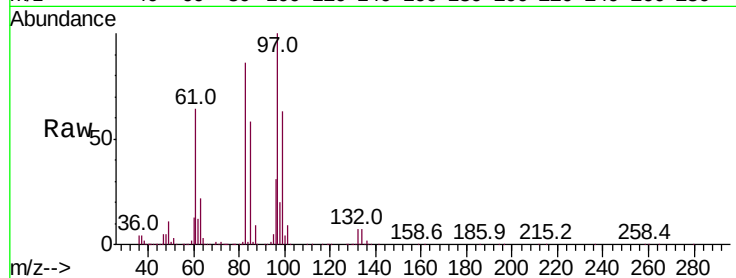
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.7	103.1
85	58.1	44.7	67.1
99	63.0	48.6	72.8

97 100

83 86.2 68.7 103.1

85 58.1 44.7 67.1

99 63.0 48.6 72.8



#48

Dibromochloromethane

Concen: 10.313 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.02 min

Lab File: VL037538.D

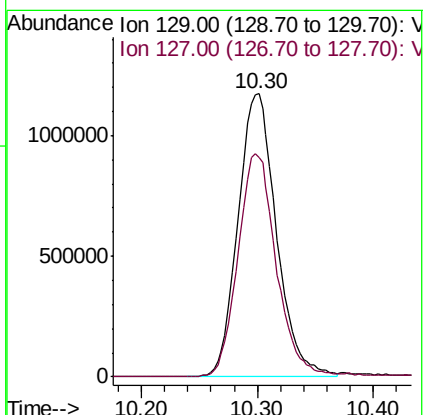
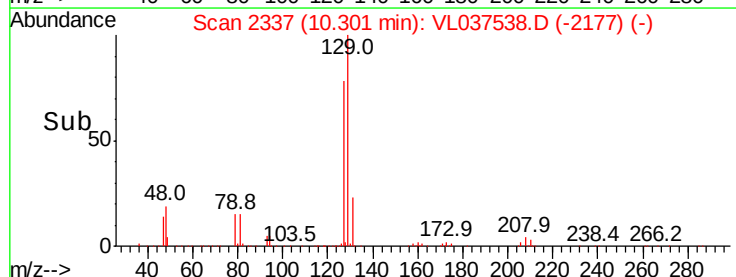
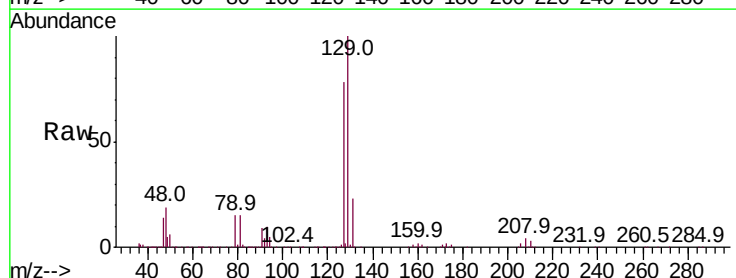
Acq: 4 Sep 2021 1:50

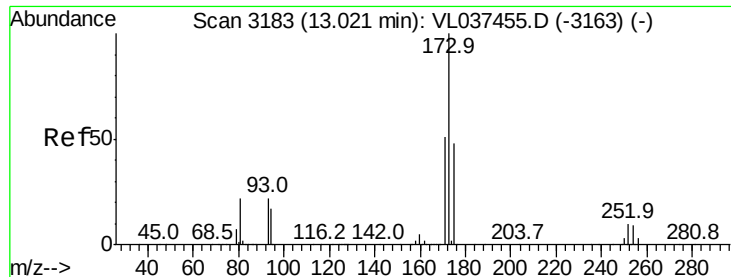
Tgt Ion: 129 Resp: 2702793

Ion	Ratio	Lower	Upper
129	100		
127	79.3	40.0	120.0

129 100

127 79.3 40.0 120.0





#49

Bromoform

Concen: 10.653 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

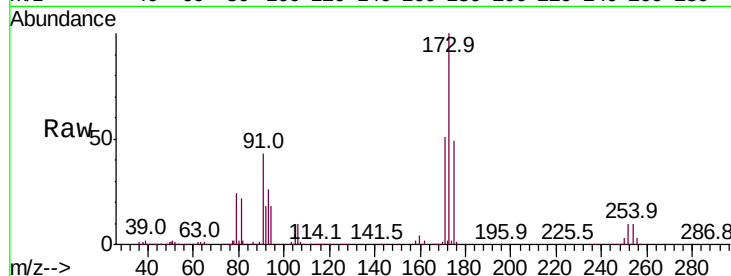
Tot Ion:173 Resp: 2200681

Ion Ratio Lower Upper

173 100

175 51.0 41.9 62.9

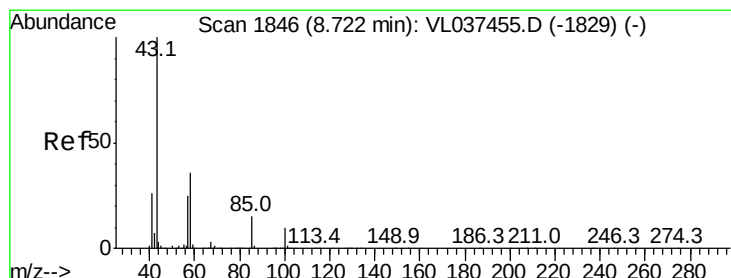
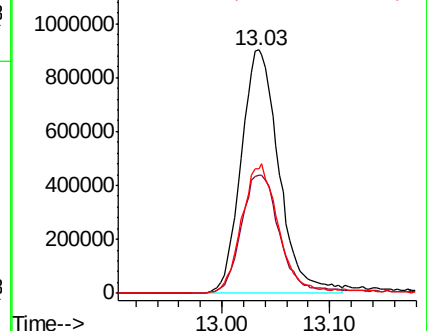
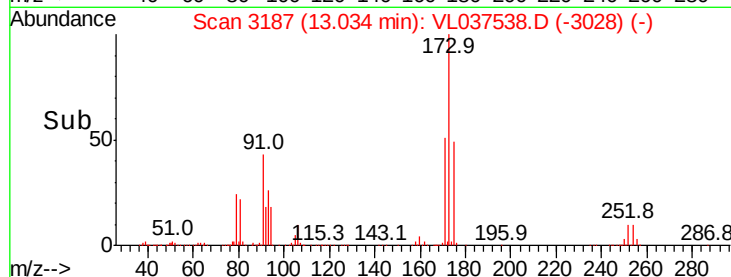
171 54.4 44.2 66.4



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: 10.065 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.01 min

Lab File: VL037538.D

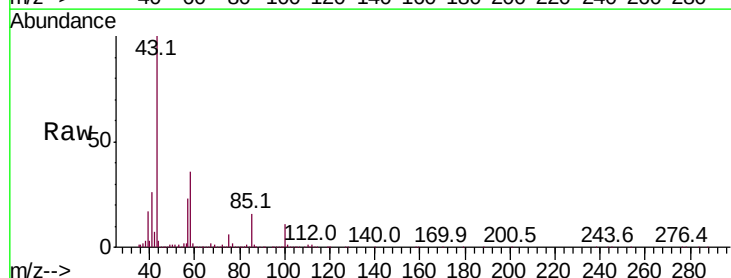
Acq: 4 Sep 2021 1:50

Tgt Ion: 43 Resp: 2797614

Ion Ratio Lower Upper

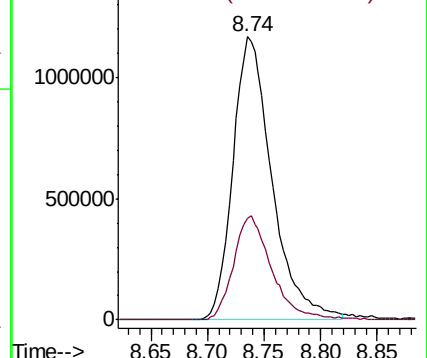
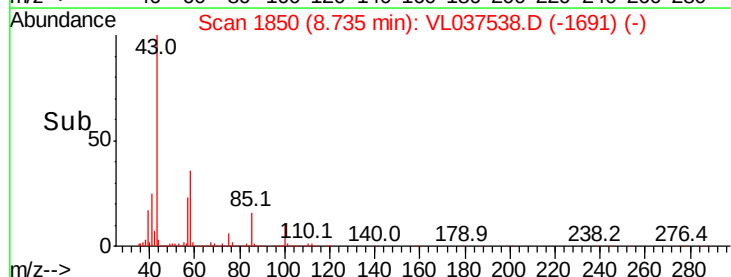
43 100

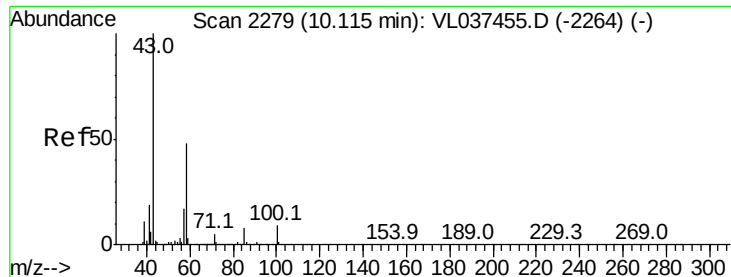
58 36.4 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

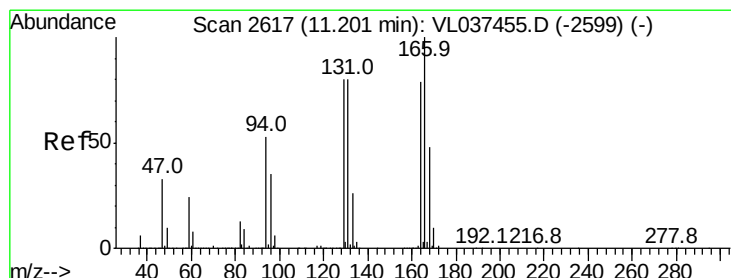
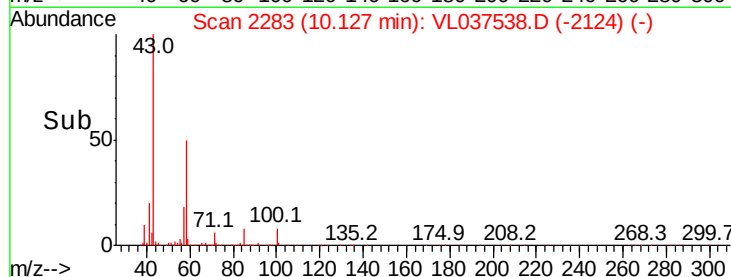
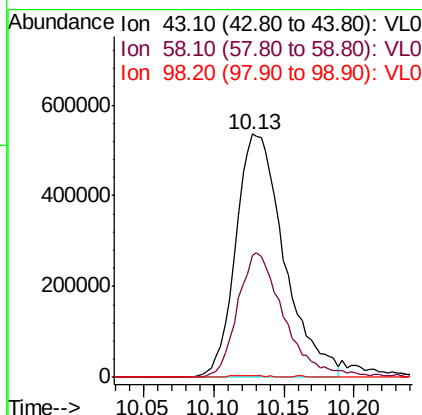
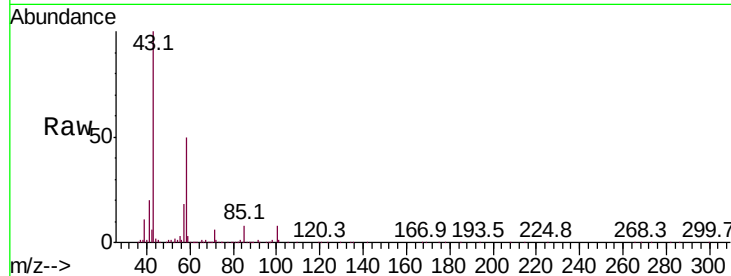




#51
2-Hexanone
Concen: 10.054 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

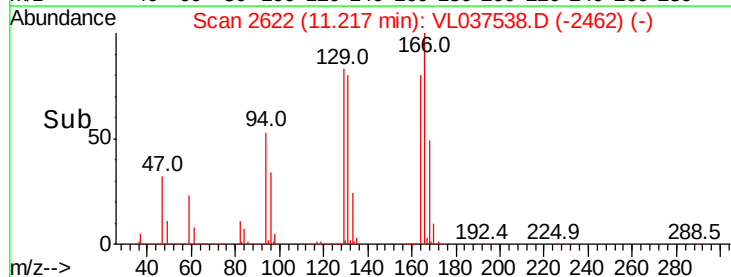
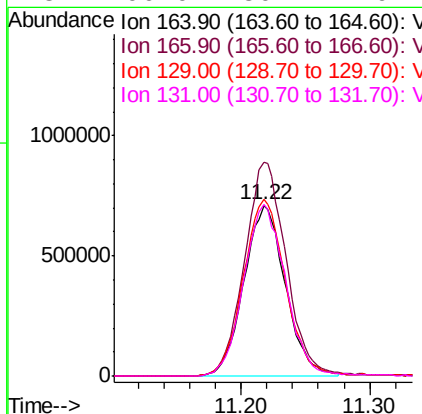
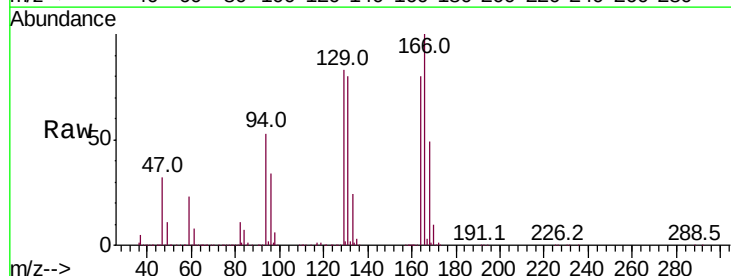
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

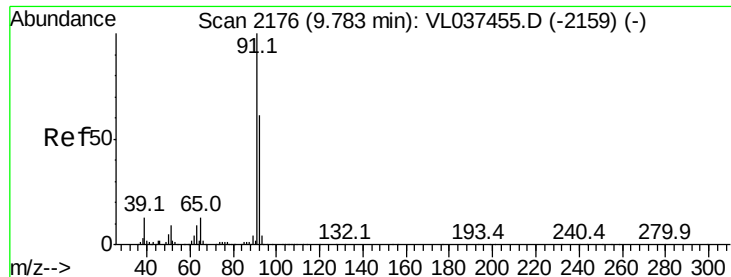
Tot Ion: 43 Resp: 1285375
Ion Ratio Lower Upper
43 100
58 50.5 41.0 61.6
98 0.7 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.816 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 164 Resp: 1584459
Ion Ratio Lower Upper
164 100
166 125.0 100.7 151.1
129 103.5 80.9 121.3
131 100.0 80.2 120.4





#53

Toluene

Concen: 9.861 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

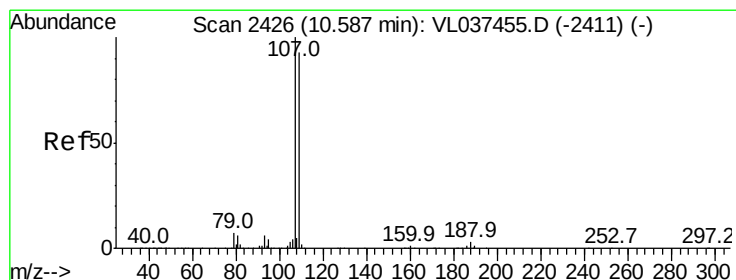
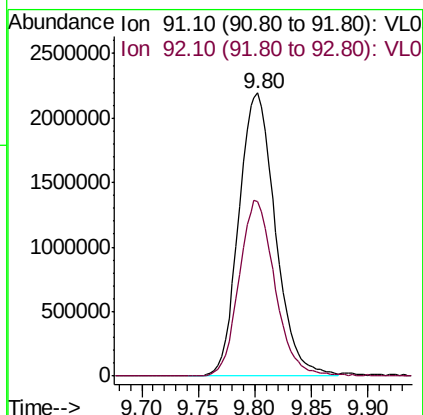
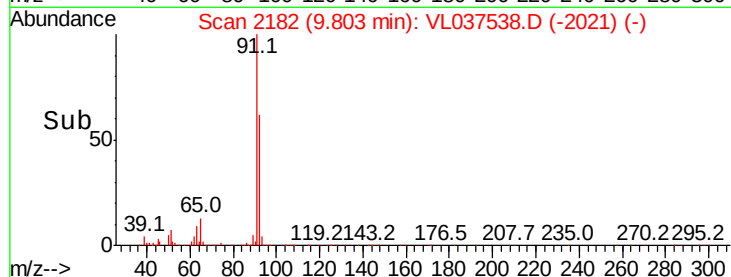
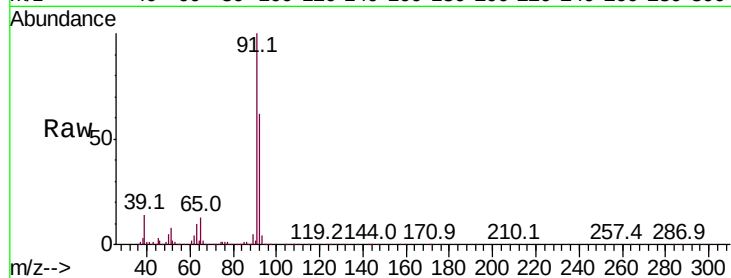
VL0903ABS02

Tot Ion: 91 Resp: 4938381

Ion Ratio Lower Upper

91 100

92 61.2 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.927 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.02 min

Lab File: VL037538.D

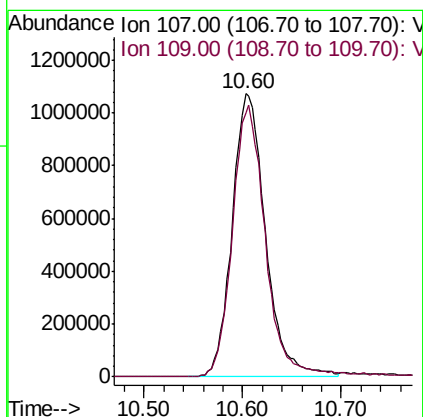
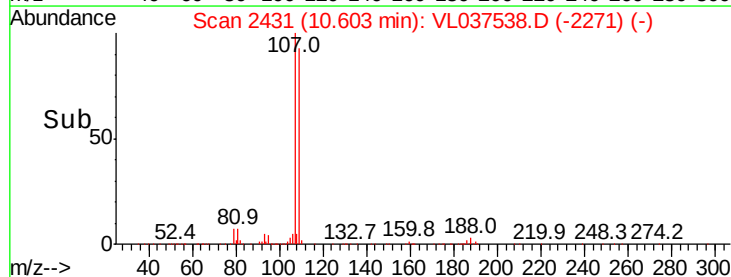
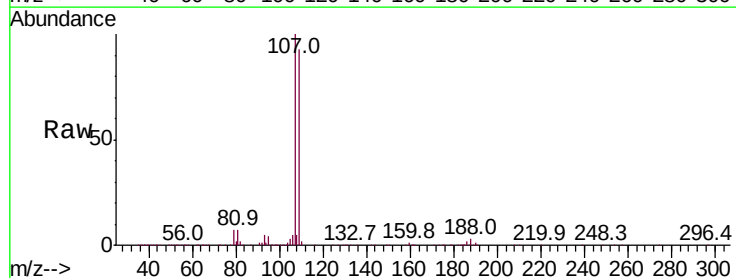
Acq: 4 Sep 2021 1:50

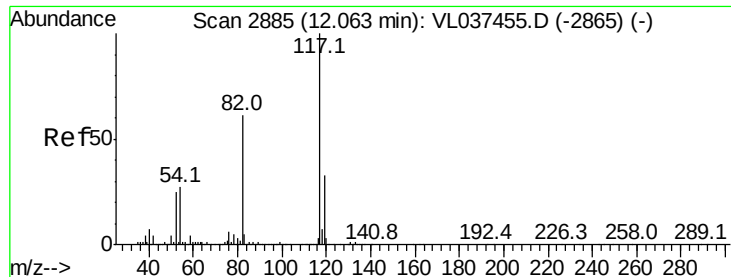
Tgt Ion: 107 Resp: 2523687

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# 2890

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

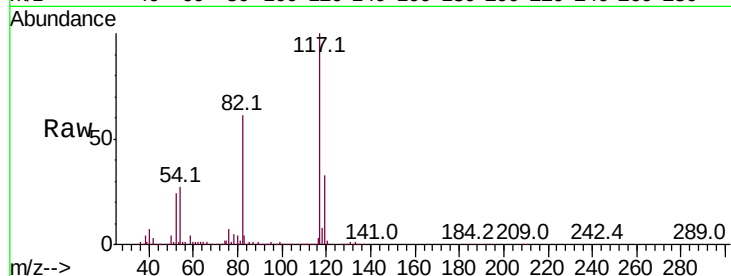
Tot Ion:117 Resp: 5930521

Ion Ratio Lower Upper

117 100

82 51.7 52.9 79.3#

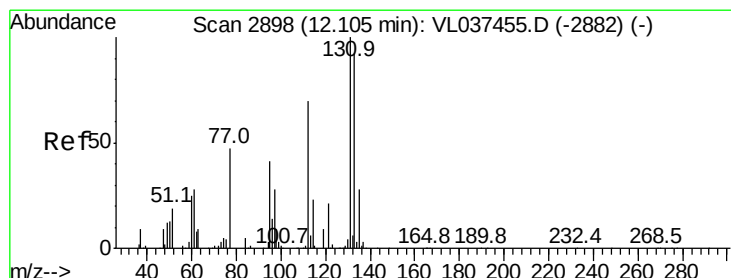
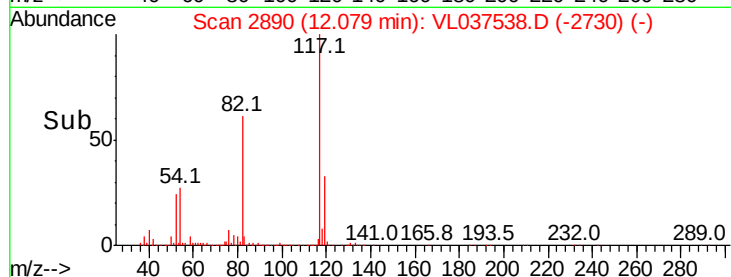
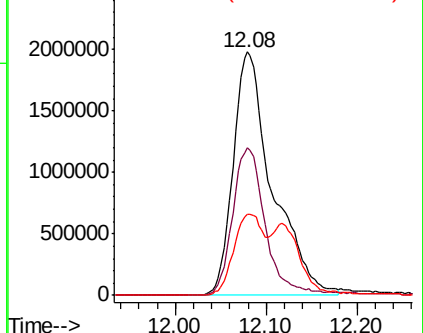
119 27.3 24.8 37.2



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: 7.519 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

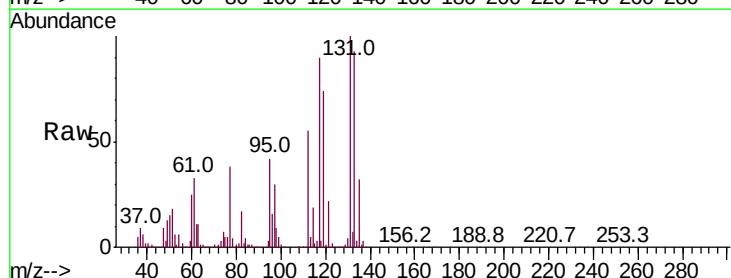
Tgt Ion:131 Resp: 1857988

Ion Ratio Lower Upper

131 100

133 98.5 78.7 118.1

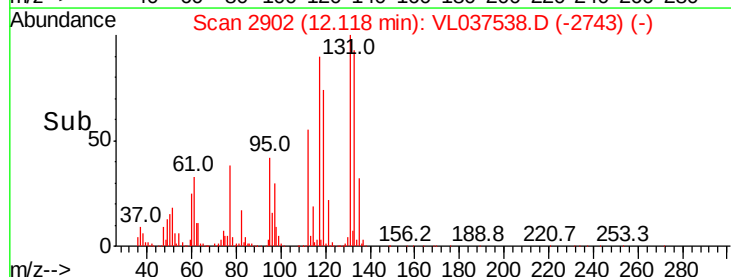
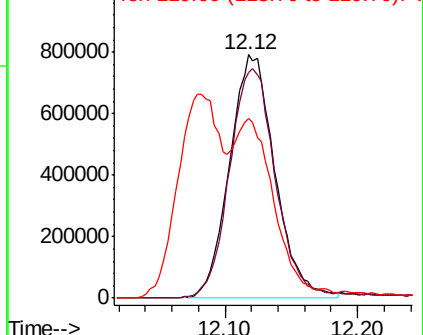
119 71.9 56.6 85.0

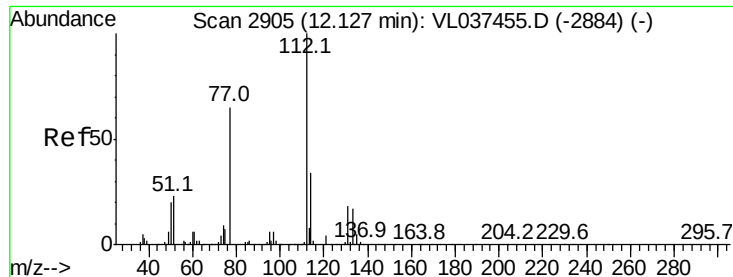


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

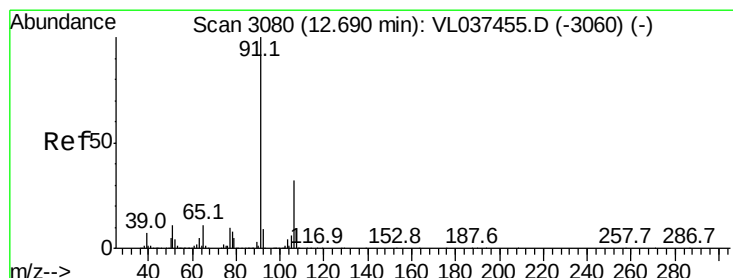
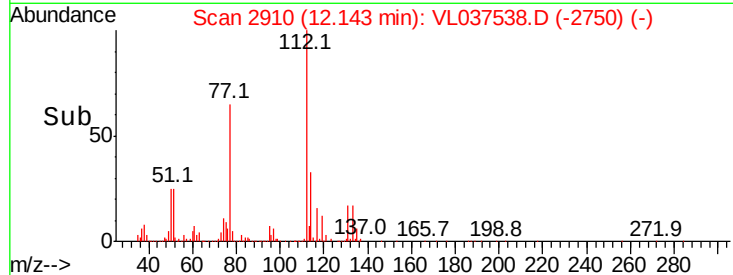
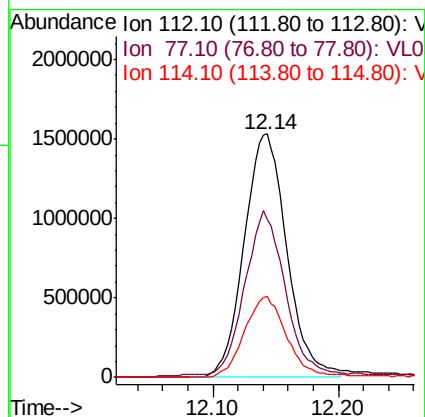
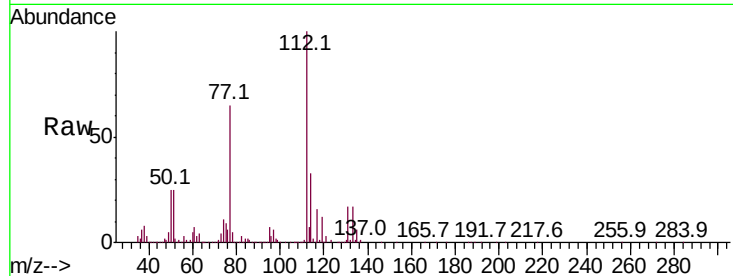




#57
Chlorobenzene
Concen: 7.347 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.02 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

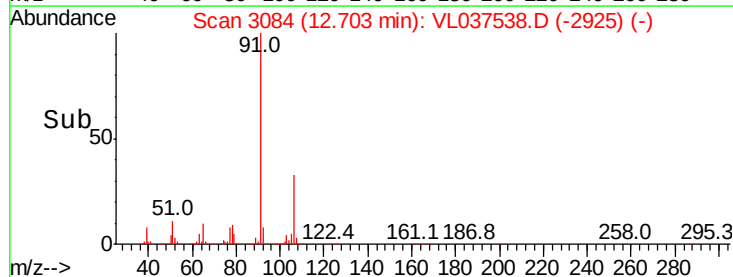
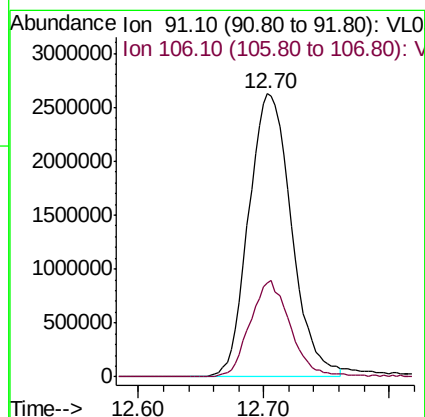
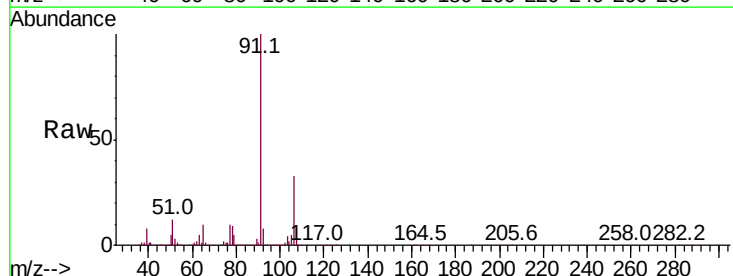
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

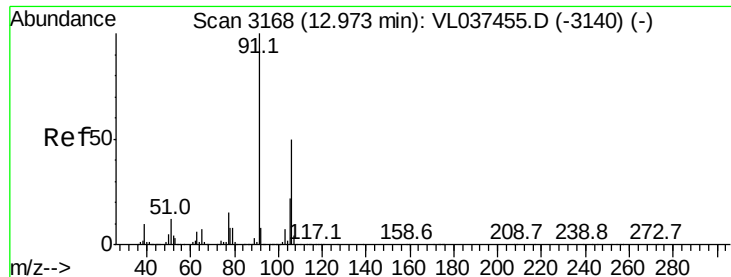
Tot Ion:112 Resp: 3615805
Ion Ratio Lower Upper
112 100
77 64.0 51.6 77.4
114 33.5 30.7 37.5



#58
Ethyl Benzene
Concen: 7.569 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 91 Resp: 6229371
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5

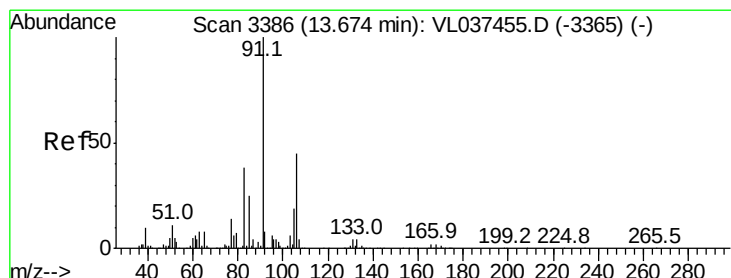
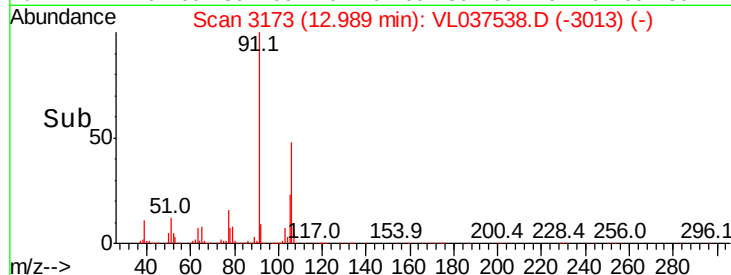
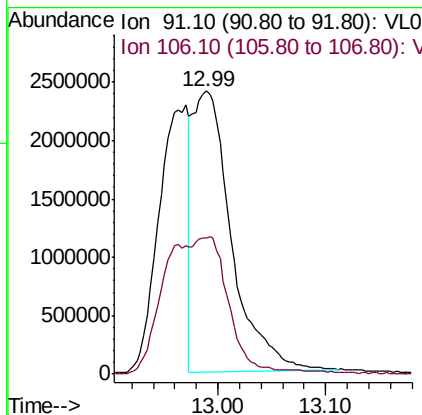
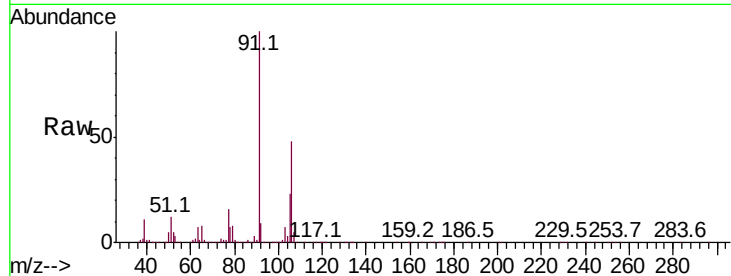




#59
m/p-Xylene
Concen: 8.336 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

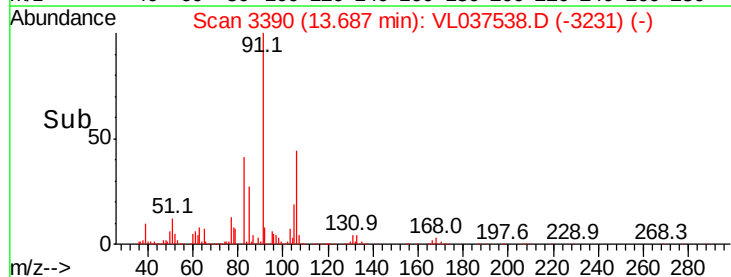
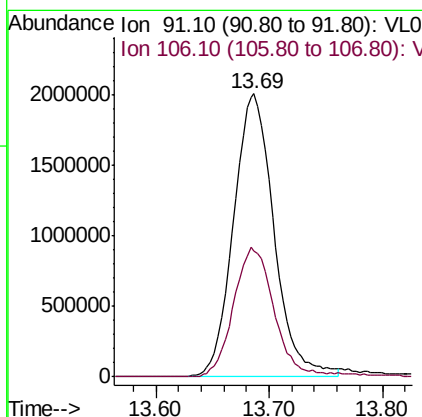
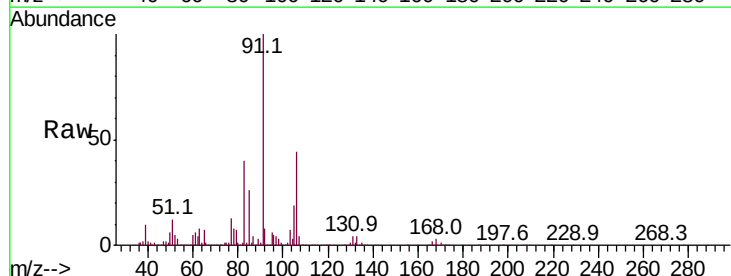
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

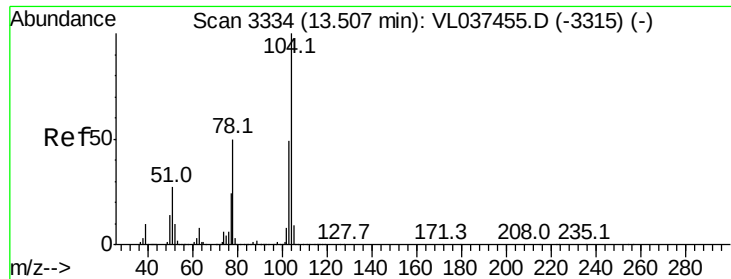
Tot Ion: 91 Resp: 5947344
Ion Ratio Lower Upper
91 100
106 82.5 36.9 55.3#



#60
o-Xylene
Concen: 7.481 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion: 91 Resp: 4981664
Ion Ratio Lower Upper
91 100
106 47.5 23.7 71.1

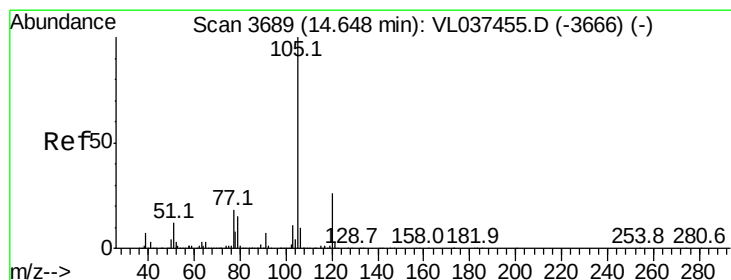
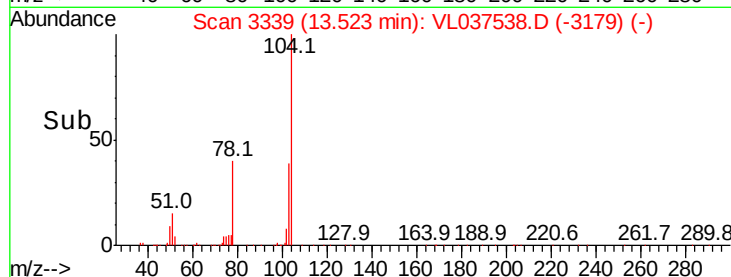
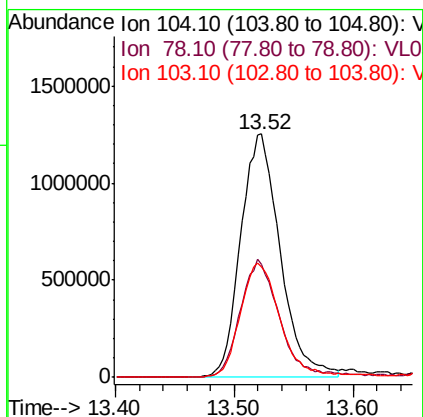
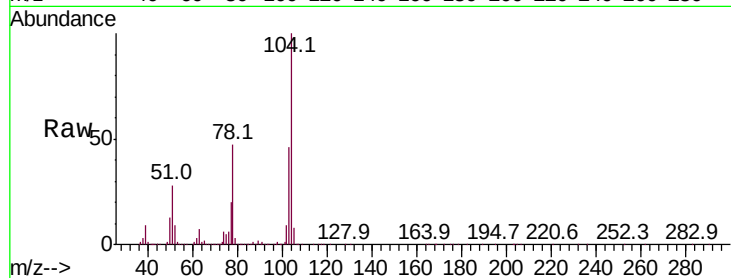




#61
Stvrene
Concen: 8.318 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.02 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

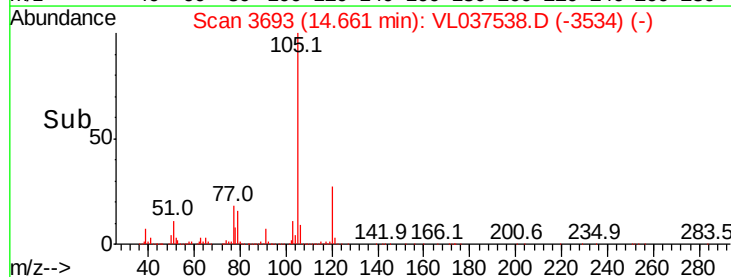
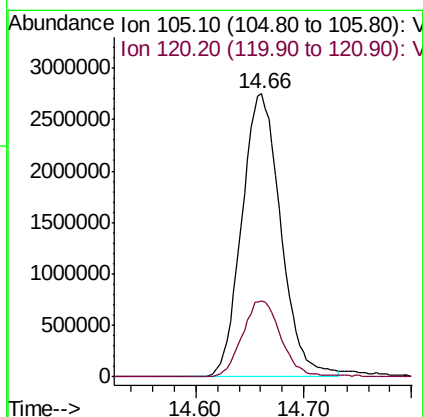
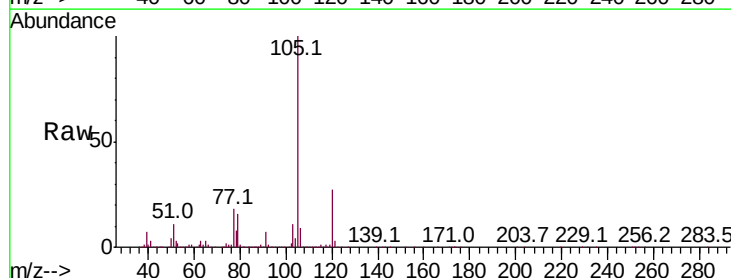
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABS02

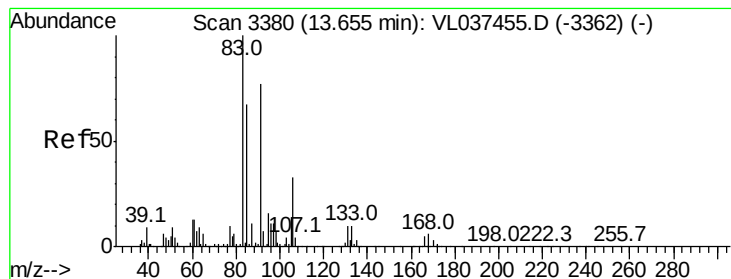
Tot Ion:104 Resp: 2877301
Ion Ratio Lower Upper
104 100
78 48.9 41.3 61.9
103 48.2 39.4 59.0



#62
Isopropylbenzene
Concen: 7.357 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.01 min
Lab File: VL037538.D
Acq: 4 Sep 2021 1:50

Tgt Ion:105 Resp: 6913897
Ion Ratio Lower Upper
105 100
120 27.1 21.5 32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 7.216 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

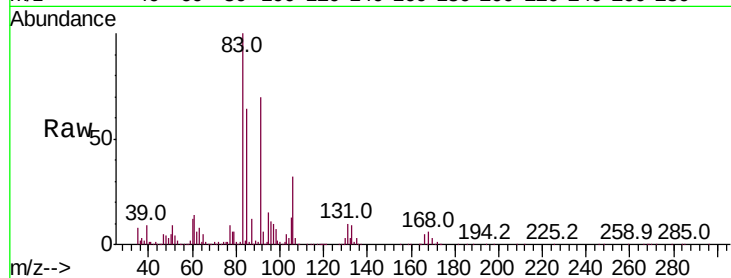
MSVOA_L

ClientSampleId :

VL0903ABS02

Tot Ion: 83 Resp: 3571289

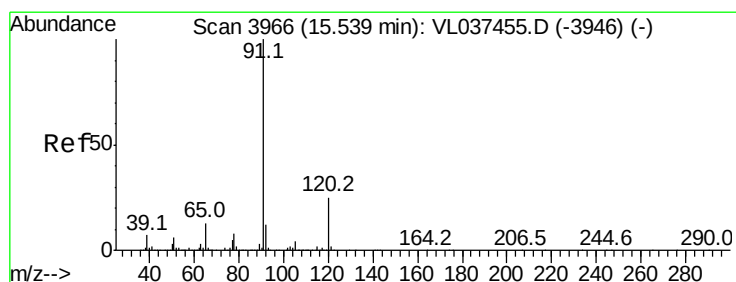
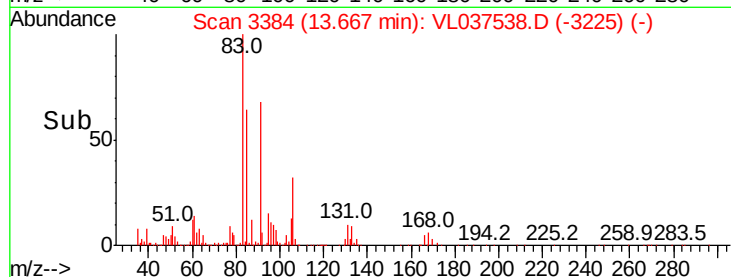
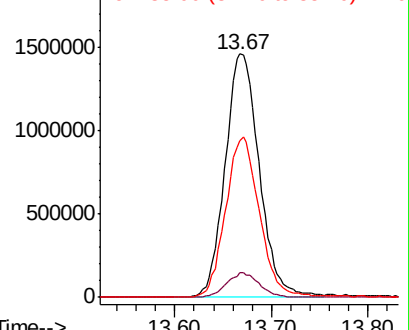
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	66.0	33.8	101.3



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: 7.724 ppbv

RT: 15.55 min Scan# 3971

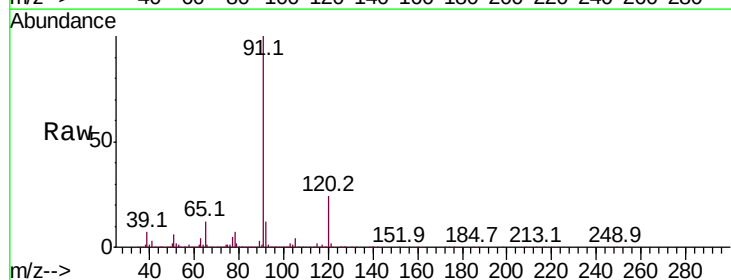
Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

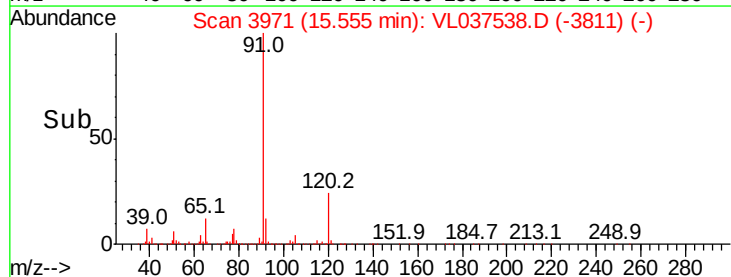
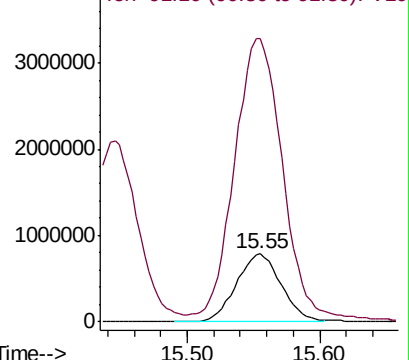
Tgt Ion: 120 Resp: 1847369

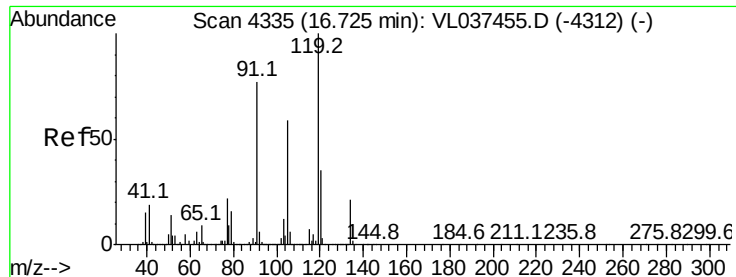
Ion	Ratio	Lower	Upper
120	100		
91	454.8	373.8	560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.010 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

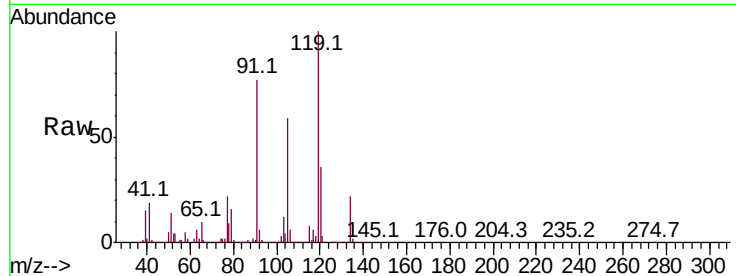
Tot Ion:119 Resp: 6000074

Ion Ratio Lower Upper

119 100

91 78.4 62.9 94.3

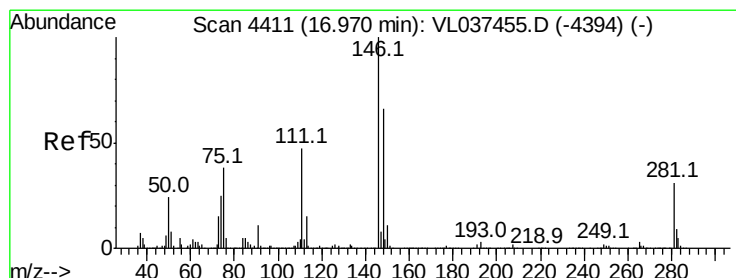
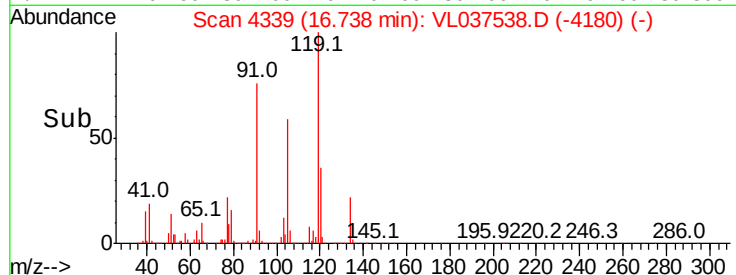
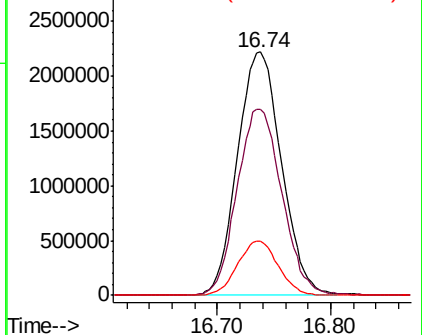
134 20.8 16.4 24.6



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: 9.240 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

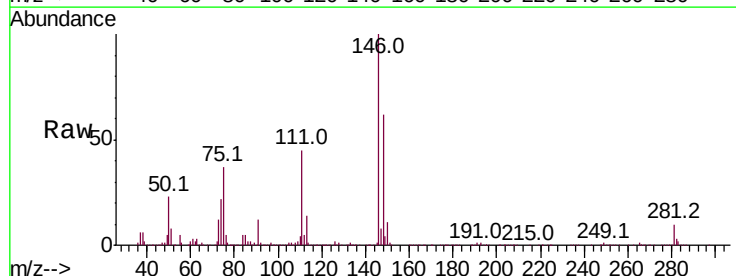
Tgt Ion: 91 Resp: 357751

Ion Ratio Lower Upper

91 100

126 17.2 15.9 23.9

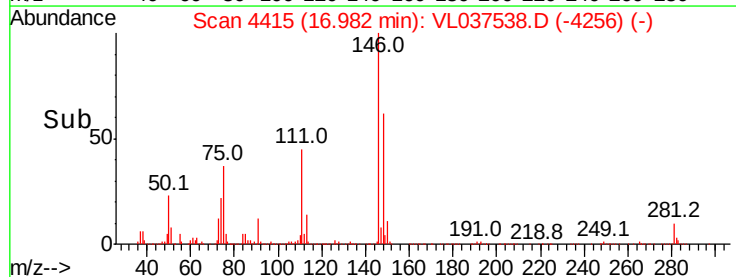
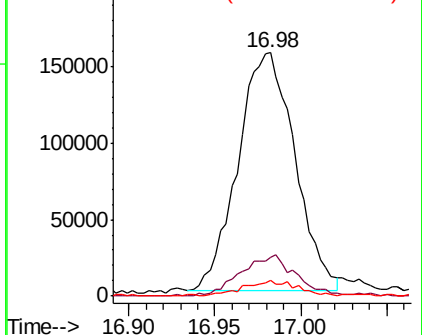
128 6.2 5.4 8.0

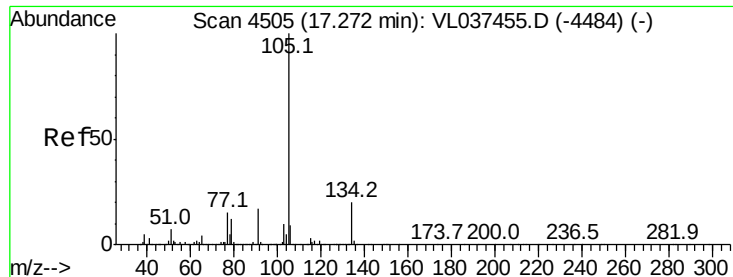


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.982 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

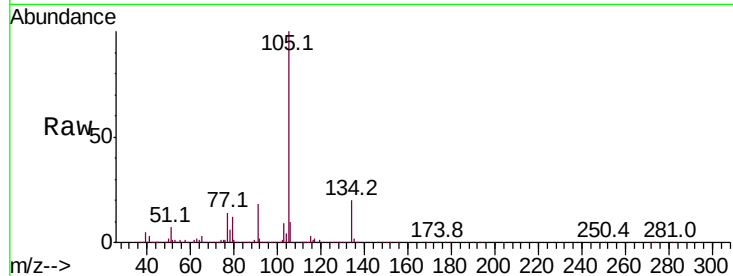
VL0903ABS02

Tot Ion:105 Resp: 8350757

Ion Ratio Lower Upper

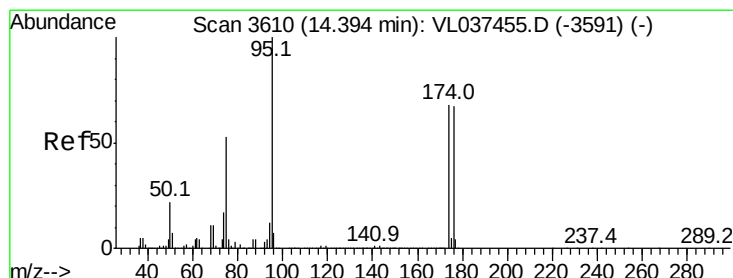
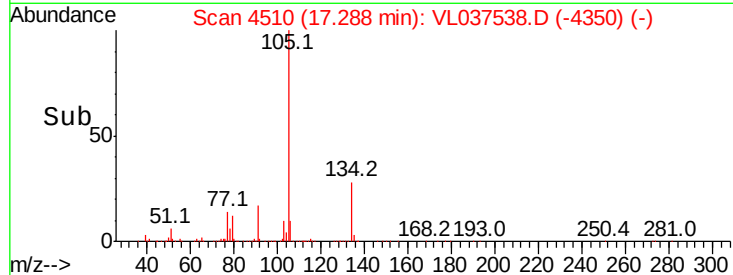
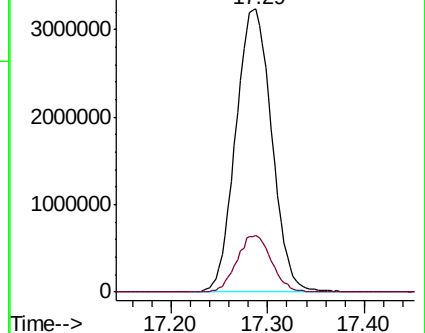
105 100

134 19.4 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.586 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

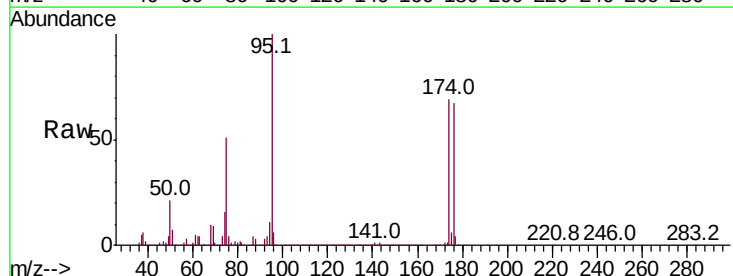
Tgt Ion: 95 Resp: 3617555

Ion Ratio Lower Upper

95 100

174 73.7 59.6 89.4

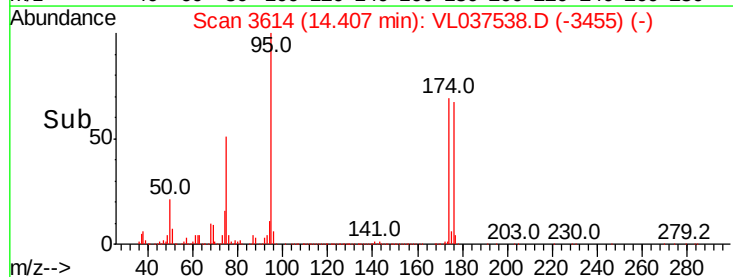
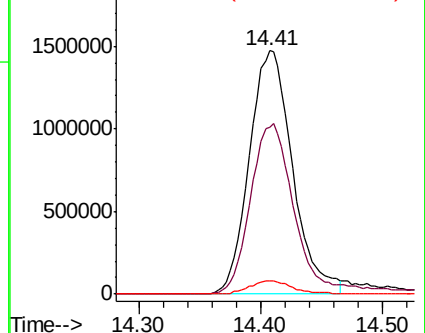
175 5.5 4.6 7.0

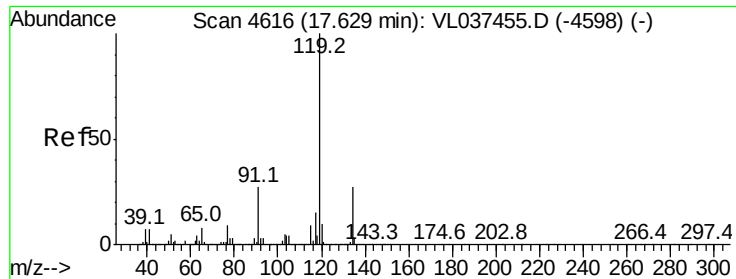


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.129 ppbv

RT: 17.64 min Scan# 4620

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

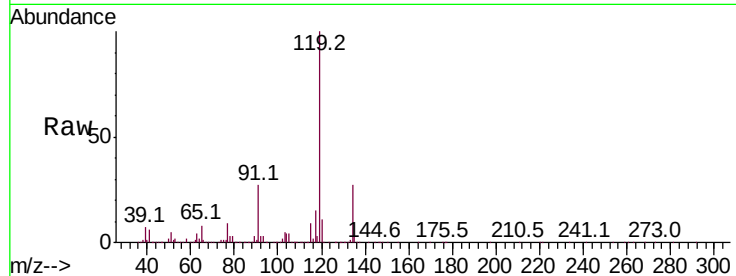
Tot Ion:119 Resp: 6947391

Ion Ratio Lower Upper

119 100

134 26.9 21.1 31.7

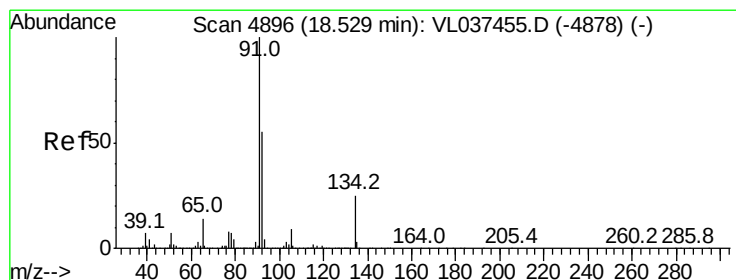
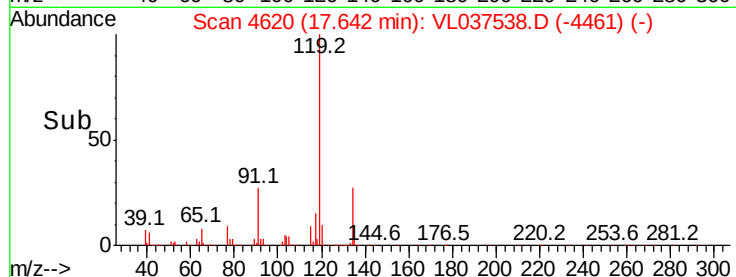
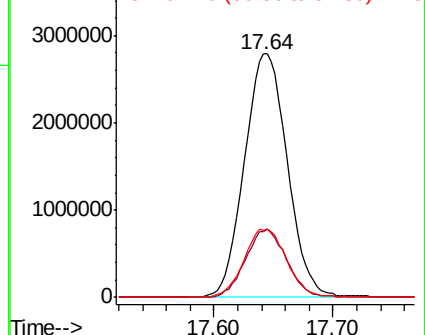
91 27.9 22.4 33.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.226 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

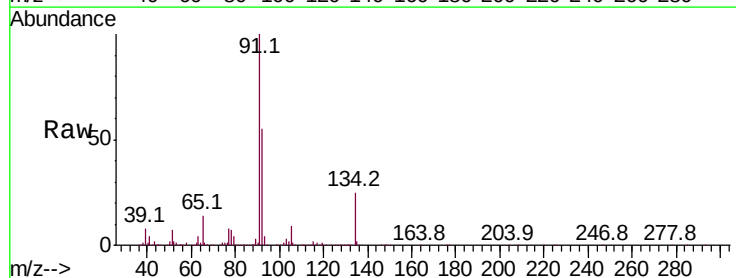
Tgt Ion: 91 Resp: 6730470

Ion Ratio Lower Upper

91 100

92 55.5 44.0 66.0

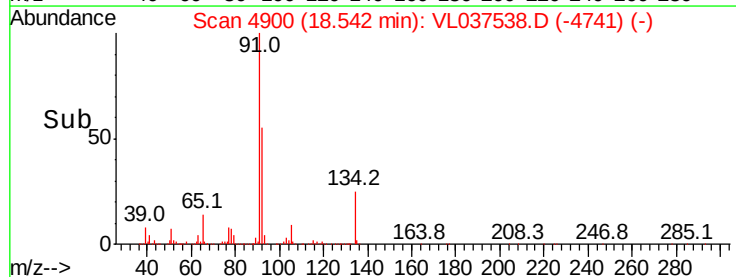
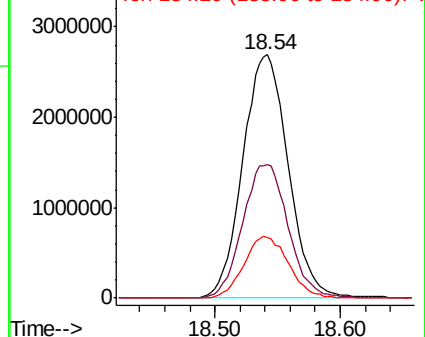
134 25.3 19.5 29.3

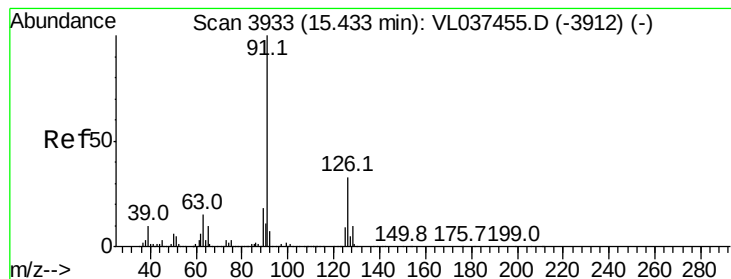


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.394 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

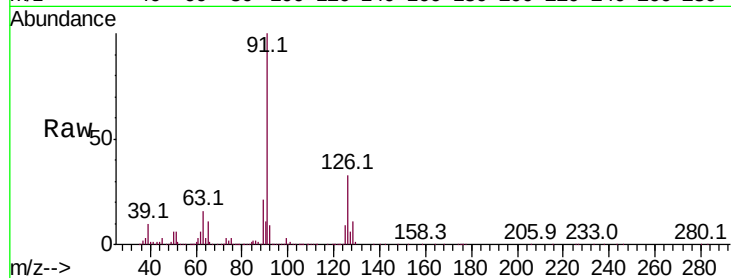
VL0903ABS02

Tot Ion: 91 Resp: 5095850

Ion Ratio Lower Upper

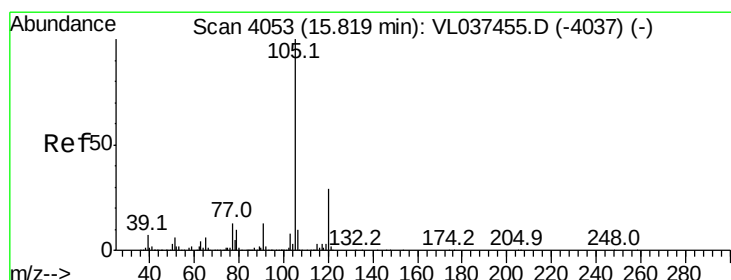
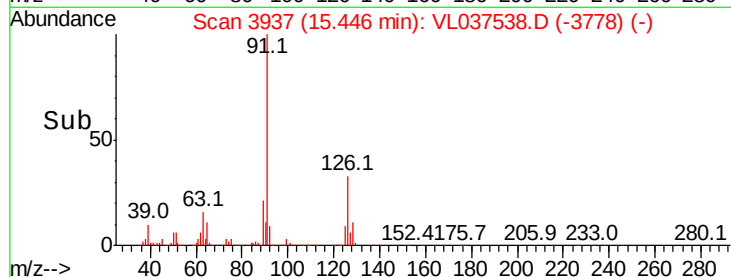
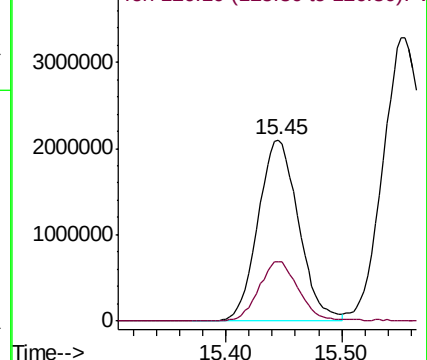
91 100

126 33.3 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.670 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Tgt Ion:105 Resp: 6075124

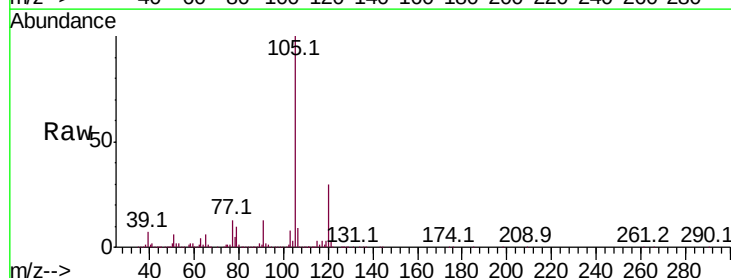
Ion Ratio Lower Upper

105 100

120 30.6 24.7 37.1

91 12.4 9.8 14.8

77 13.1 10.6 15.8

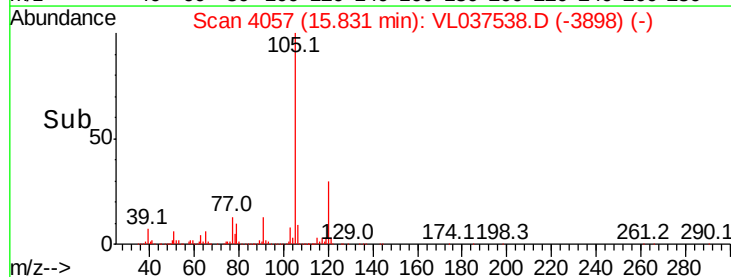
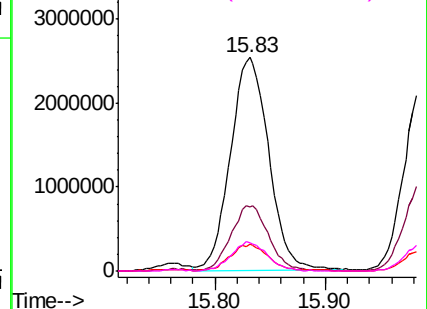


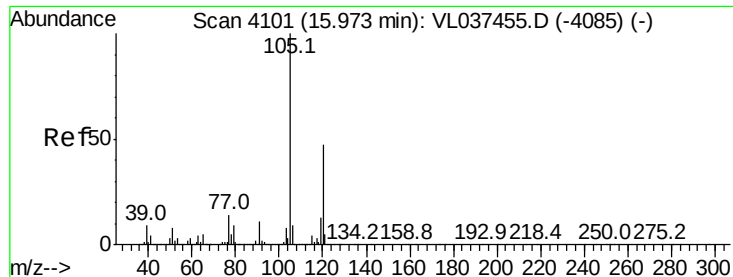
Abundance Ion 105.10 (104.80 to 105.80): V

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

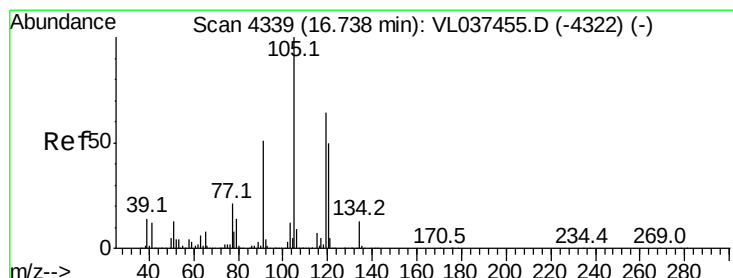
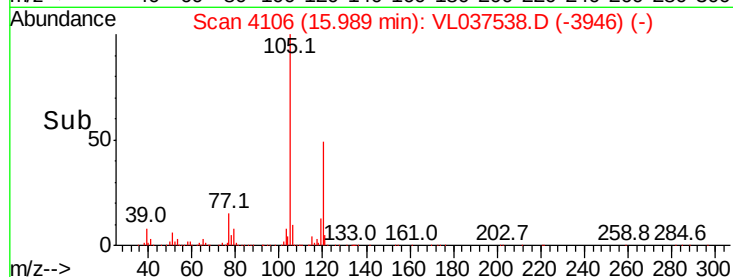
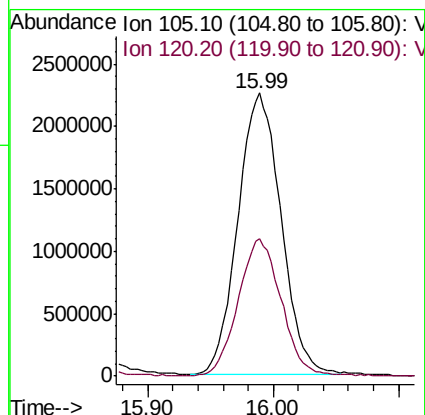
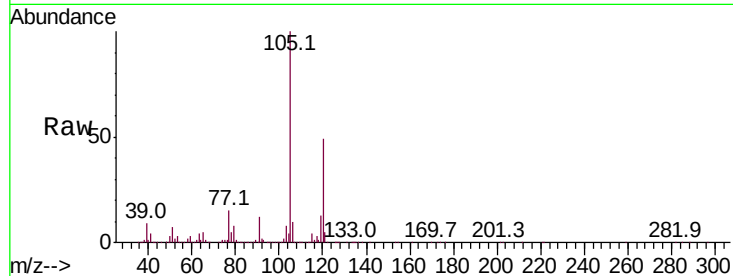




#73
 1,3,5-Trimethylbenzene
 Concen: 7.291 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. 0.02 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

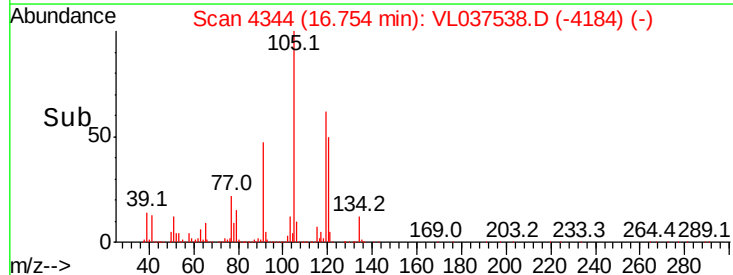
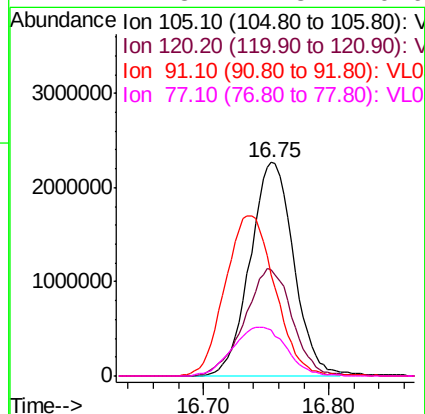
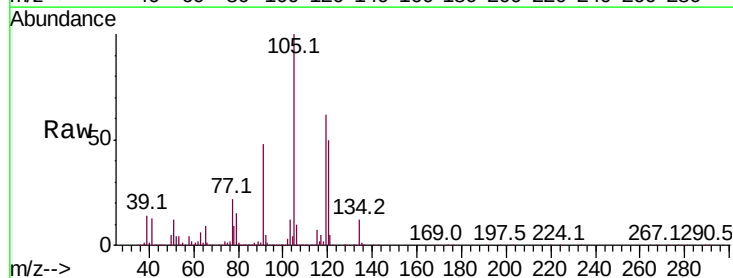
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

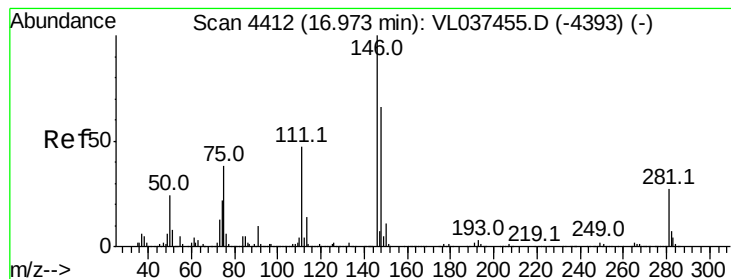
Tot Ion:105 Resp: 5375719
 Ion Ratio Lower Upper
 105 100
 120 48.7 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 6.980 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.02 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

Tgt Ion:105 Resp: 5469001
 Ion Ratio Lower Upper
 105 100
 120 49.5 40.4 60.6
 91 47.1 44.6 67.0
 77 21.3 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 7.156 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

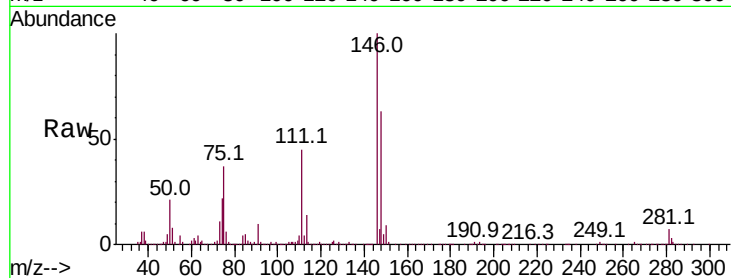
Tot Ion:146 Resp: 3374505

Ion Ratio Lower Upper

146 100

111 45.9 23.4 70.0

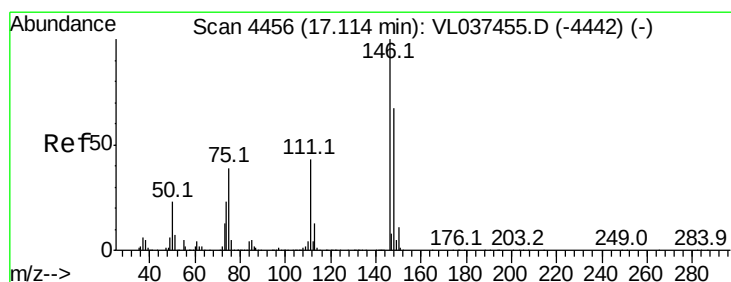
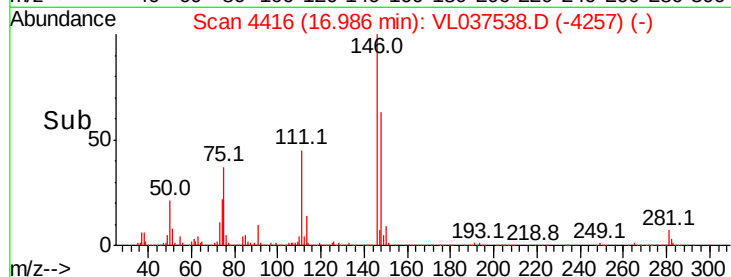
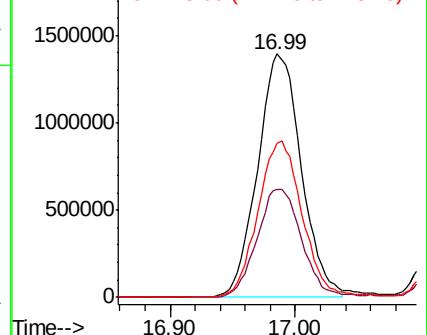
148 65.4 33.1 99.5



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: 6.868 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

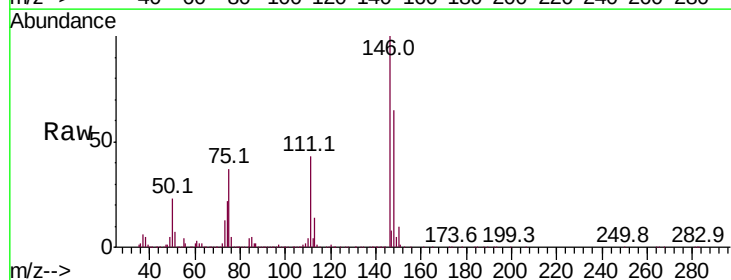
Tgt Ion:146 Resp: 3262905

Ion Ratio Lower Upper

146 100

111 45.5 22.1 66.5

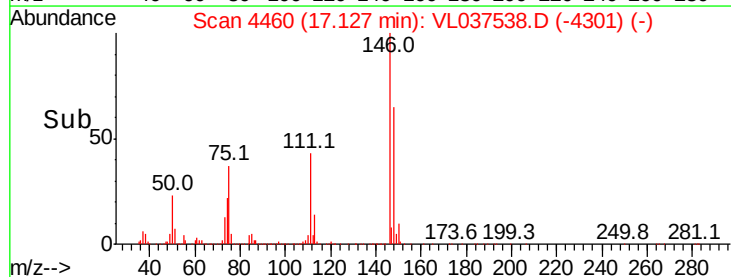
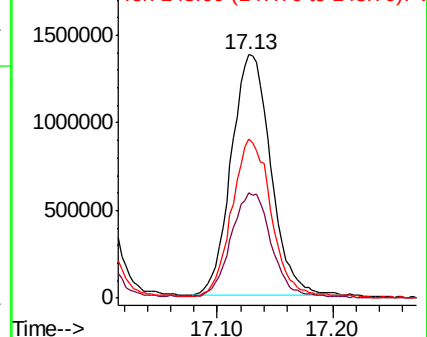
148 66.8 32.4 97.0

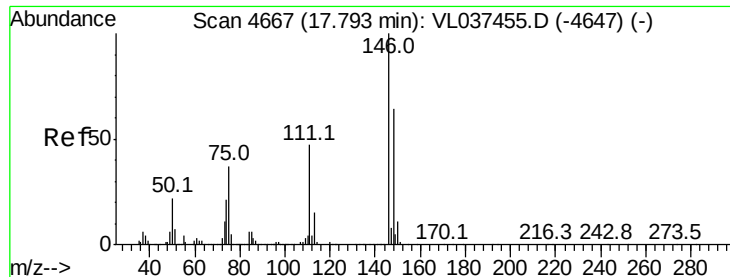


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

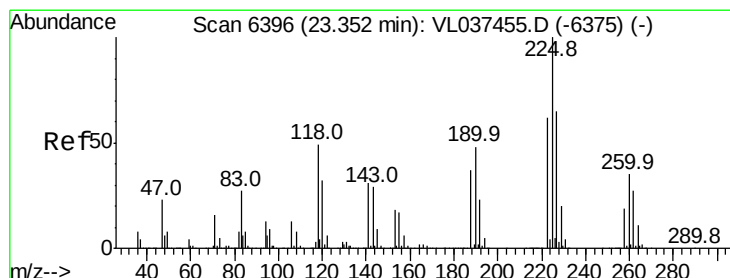
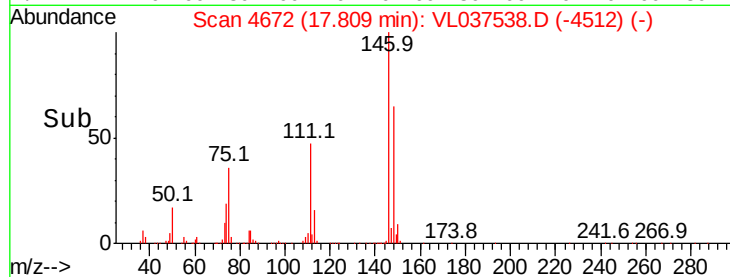
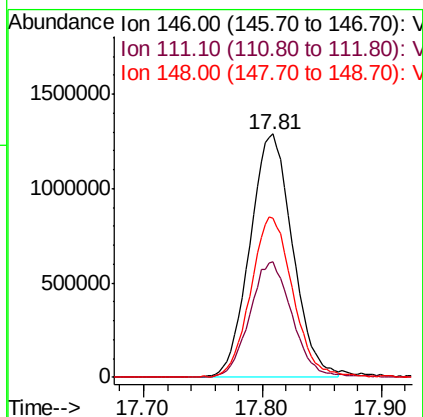
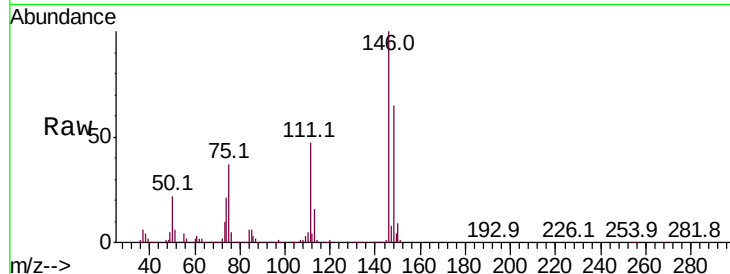




#77
 1,2-Dichlorobenzene
 Concen: 6.842 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.02 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

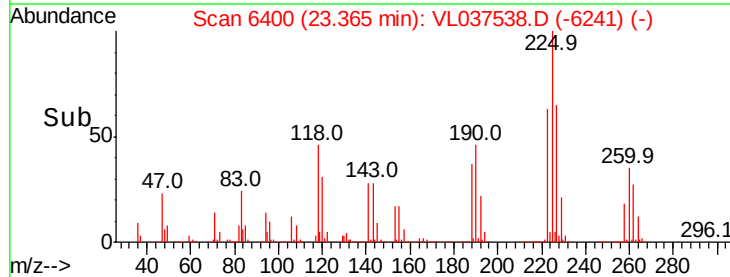
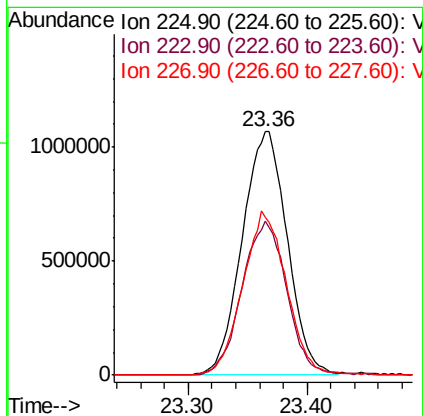
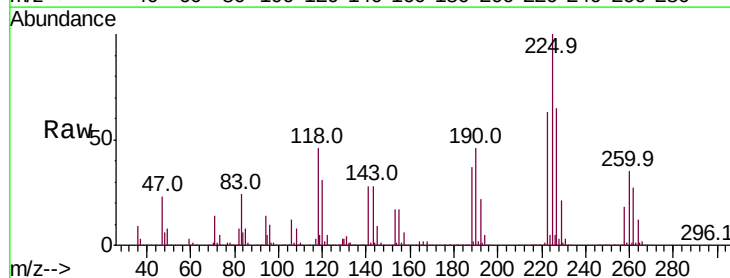
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

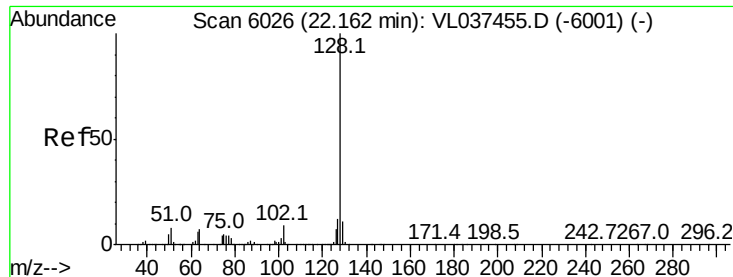
Tot Ion:146 Resp: 3177112
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.4 70.3
 148 65.3 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.229 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. 0.01 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

Tgt Ion:225 Resp: 2791302
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.4 77.0
 227 65.7 52.9 79.3





#79

Naphthalene

Concen: 9.735 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. 0.02 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABS02

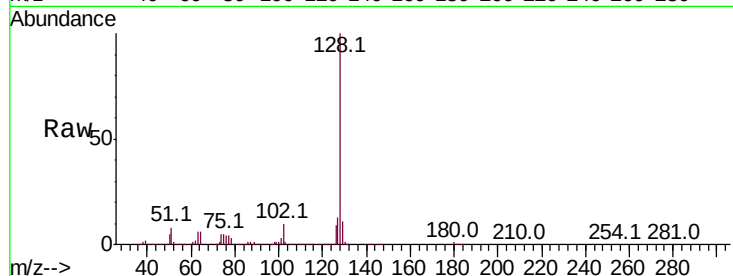
Tot Ion:128 Resp: 5103920

Ion Ratio Lower Upper

128 100

127 12.7 9.4 14.2

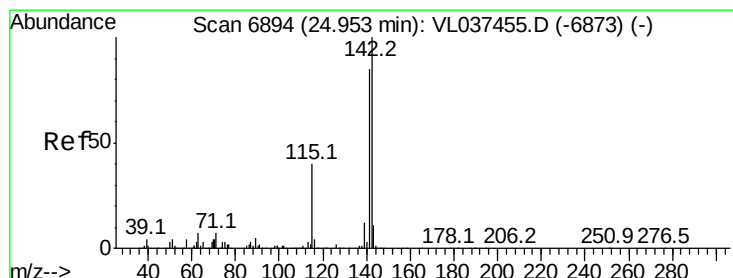
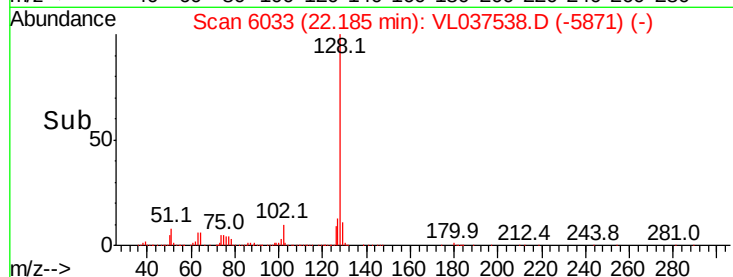
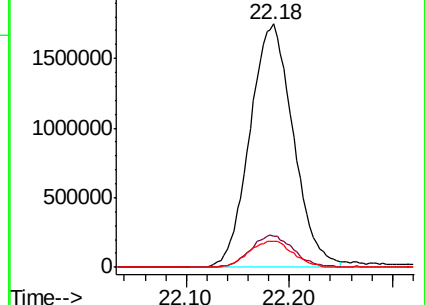
129 10.9 8.8 13.2



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



#80

Naphthalene, 2-methyl-

Concen: 11.728 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL037538.D

Acq: 4 Sep 2021 1:50

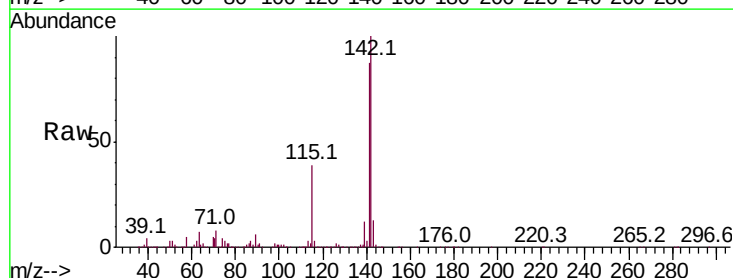
Tgt Ion:142 Resp: 1713137

Ion Ratio Lower Upper

142 100

141 83.9 64.7 97.1

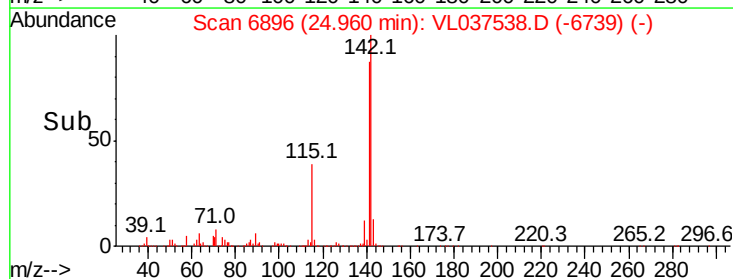
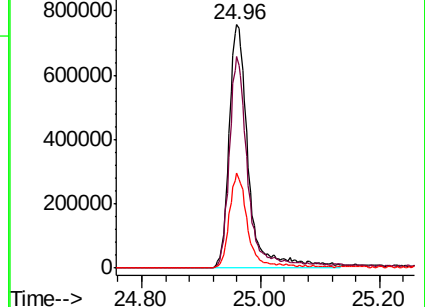
115 38.2 28.4 42.6

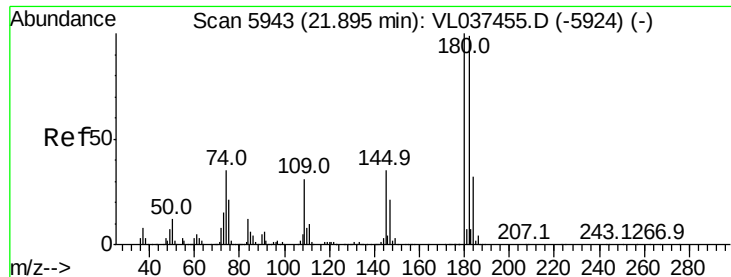


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

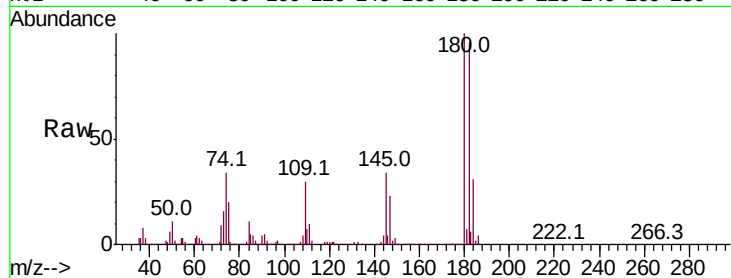




#81
 1,2,4-Trichlorobenzene
 Concen: 4.189 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.02 min
 Lab File: VL037538.D
 Acq: 4 Sep 2021 1:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABS02

Tot Ion:180 Resp: 1378274
 Ion Ratio Lower Upper
 180 100
 182 201.8 79.6 119.4#
 184 64.9 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

