

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037483.D
 Acq On : 17 Aug 2021 5:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 07:48:04 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	5.65	49	1455653	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4282210	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4867326	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2904417	8.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2203346	9.434 ppbv	98
3) Chlorodifluoromethane	2.98	51	2507080	8.994 ppbv	99
4) Chloromethane	3.13	50	931197	9.349 ppbv	96
5) Vinyl Chloride	3.25	62	953654	9.345 ppbv	98
6) Bromomethane	3.46	94	444554	7.953 ppbv	100
7) Chloroethane	3.55	64	333240	9.568 ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	2220164	9.208 ppbv	100
9) Propene	3.00	41	876610	8.790 ppbv	100
10) Heptane	8.11	43	2226142	9.697 ppbv	98
11) Trichlorofluoromethane	3.94	101	2043717	9.322 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1428923	8.882 ppbv	99
13) Ethanol	3.60	45	72641	7.485 ppbv	86
14) Bromoethene	3.73	108	661964	9.064 ppbv	98
15) Acetone	3.84	43	1139116	7.689 ppbv	99
16) 1,3-Butadiene	3.32	39	901704	9.489 ppbv	99
17) tert-Butyl alcohol	4.28	59	1269048	9.377 ppbv	99
18) 1,1-Dichloroethene	4.28	96	663015	9.073 ppbv	97
19) Isopropyl Alcohol	3.96	45	747521	8.808 ppbv	# 95
20) Methylene Chloride	4.33	84	566007	7.631 ppbv	97
21) Allyl Chloride	4.40	41	1006516	8.365 ppbv	93
22) trans-1,2-Dichloroethene	4.87	96	635926	8.722 ppbv	97
23) Vinyl Acetate	5.06	43	2186000	10.011 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1656862	10.462 ppbv	99
25) Ethyl Acetate	5.66	43	3438545	9.143 ppbv	99
26) Hexane	5.67	57	1665890	9.060 ppbv	98
27) Carbon Disulfide	4.54	76	1589236	9.698 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1834625	10.389 ppbv	99
29) Chloroform	5.74	83	2422833	9.297 ppbv	99
30) Cyclohexane	7.12	84	1390536	9.076 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1544516	9.281 ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2362734	9.228 ppbv	99
34) 2-Butanone	5.23	43	1526116	8.727 ppbv	96
35) Carbon Tetrachloride	7.01	117	2477858	9.791 ppbv	100
36) Benzene	6.88	78	3418298	9.496 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1762936	9.887 ppbv	100
38) Trichloroethene	7.82	130	1395289	9.447 ppbv	95
39) 1,2-Dichloropropane	7.60	63	1321952	9.557 ppbv	98
40) 1,4-Dioxane	7.82	88	297706	8.785 ppbv	# 100
41) Tetrahydrofuran	6.04	42	795703	9.446 ppbv	98
42) Bromodichloromethane	7.78	83	2605828	9.994 ppbv	97
43) Methyl Methacrylate	8.00	69	1229437	9.799 ppbv	98

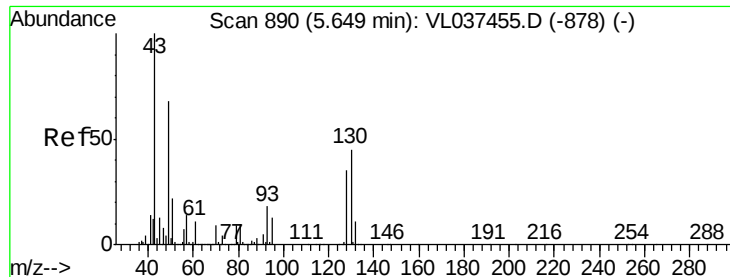
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037483.D
 Acq On : 17 Aug 2021 5:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: Aug 17 07:48:04 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
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5683270	9.381	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	829243	8.779	ppbv	93
46) cis-1,3-Dichloropropene	8.69	75	1117690	8.483	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1398782	9.359	ppbv	99
48) Dibromochloromethane	10.29	129	2275243	10.578	ppbv	99
49) Bromoform	13.03	173	1874312	11.055	ppbv	97
50) 4-Methyl-2-Pentanone	8.73	43	2287475	10.027	ppbv	99
51) 2-Hexanone	10.12	43	1087849	10.367	ppbv #	98
52) Tetrachloroethene	11.21	164	1271168	8.617	ppbv	99
53) Toluene	9.79	91	4023269	9.788	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2013310	9.649	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1561791	7.701	ppbv	97
57) Chlorobenzene	12.13	112	2972785	7.360	ppbv	99
58) Ethyl Benzene	12.69	91	5257848	7.784	ppbv	99
59) m/p-Xylene	12.98	91	4219811	7.206	ppbv #	24
60) o-Xylene	13.68	91	4154594	7.602	ppbv	98
61) Styrene	13.51	104	2347314	8.268	ppbv	99
62) Isopropylbenzene	14.65	105	5883812	7.628	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2986528	7.352	ppbv	98
64) n-propylbenzene	15.55	120	1564538	7.970	ppbv	96
65) tert-Butylbenzene	16.73	119	5204292	7.408	ppbv	100
66) Benzyl Chloride	16.97	91	277165	8.722	ppbv	99
67) sec-Butylbenzene	17.28	105	7244929	7.381	ppbv	100
69) p-Isopropyltoluene	17.64	119	6093277	7.618	ppbv	100
70) n-Butylbenzene	18.53	91	6007249	7.859	ppbv	99
71) 2-Chlorotoluene	15.44	91	4363862	7.715	ppbv	99
72) 4-Ethyltoluene	15.82	105	5001662	7.694	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4611699	7.621	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4770007	7.418	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	2879842	7.441	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2808701	7.203	ppbv	97
77) 1,2-Dichlorobenzene	17.80	146	2806527	7.364	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2137800	6.746	ppbv	99
79) Naphthalene	22.17	128	3542914	8.234	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	876622	7.312	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2136703	7.913	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

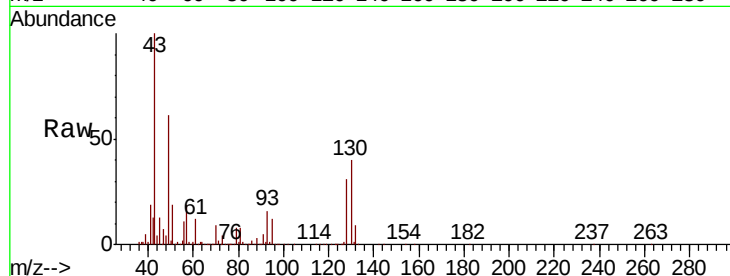
Tot Ion: 49 Resp: 1455653

Ion Ratio Lower Upper

49 100

128 55.9 27.5 82.4

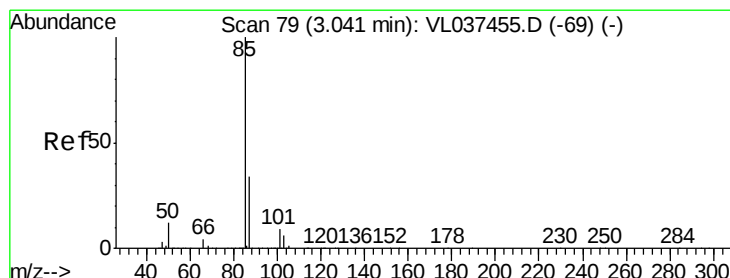
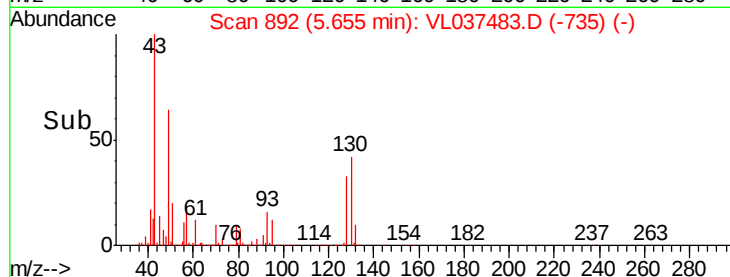
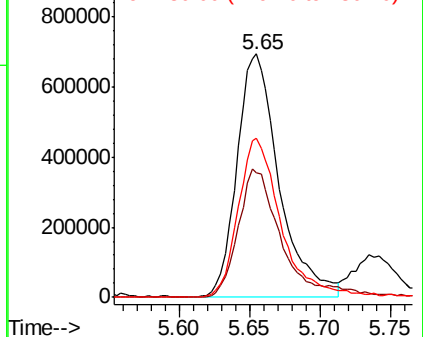
130 67.3 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.434 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037483.D

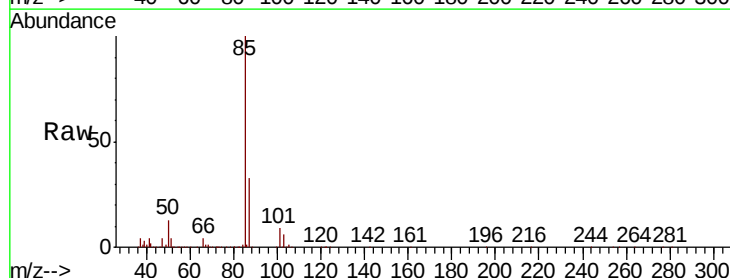
Acq: 17 Aug 2021 5:07

Tgt Ion: 85 Resp: 2203346

Ion Ratio Lower Upper

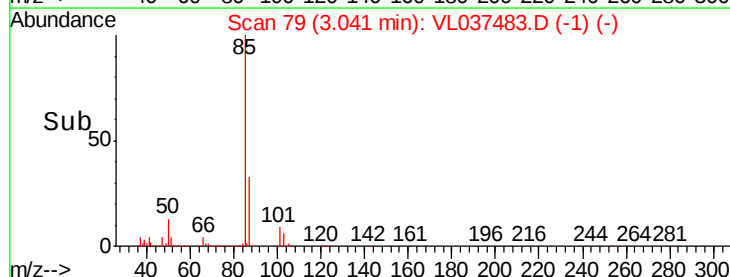
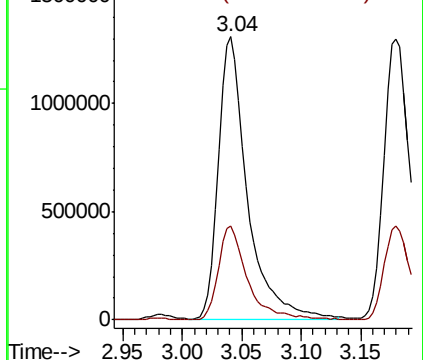
85 100

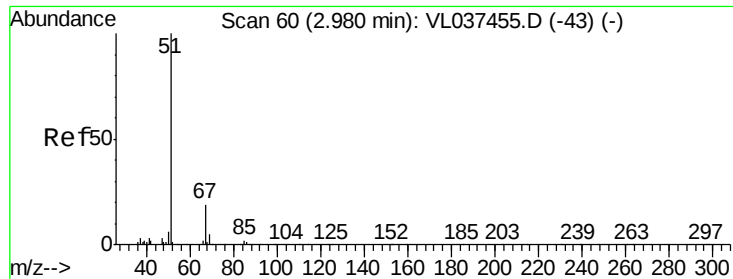
87 33.3 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.994 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

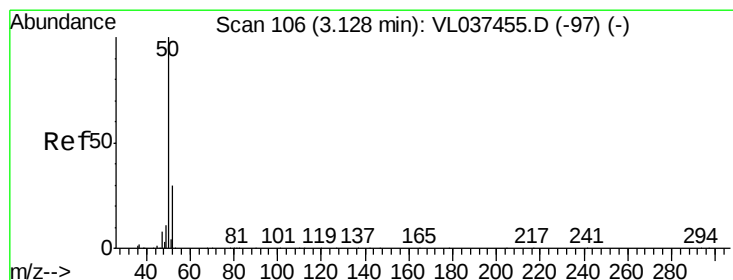
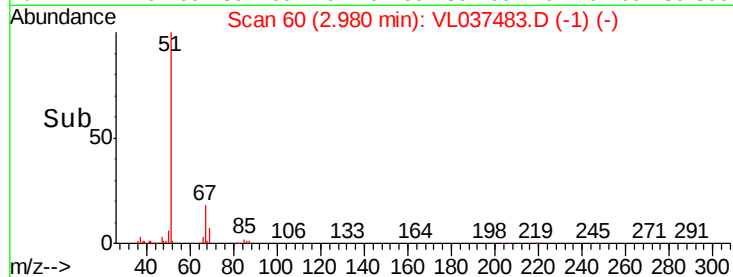
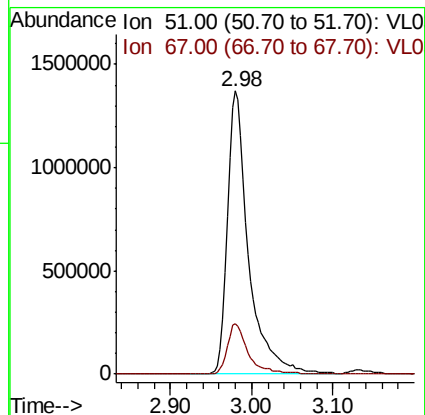
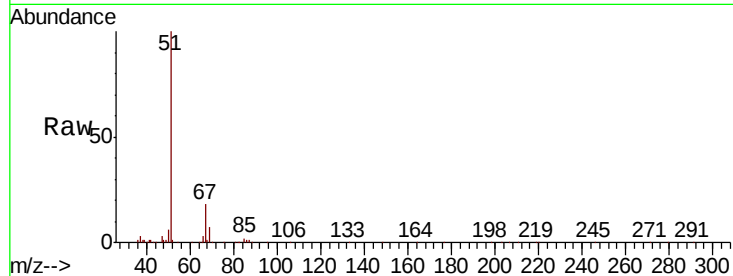
ClientSampleId :

Tot Ion: 51 Resp: 2507080

Ion Ratio Lower Upper

51 100

67 17.9 14.2 21.2



#4

Chloromethane

Concen: 9.349 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037483.D

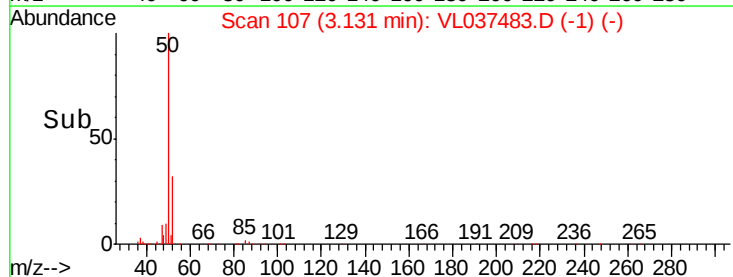
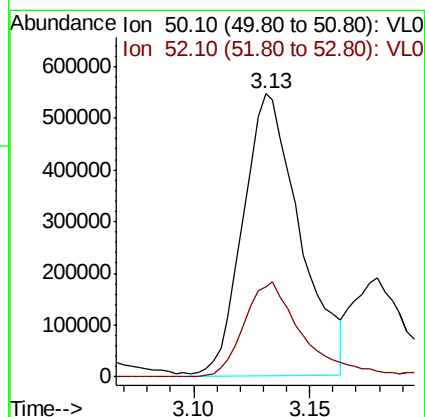
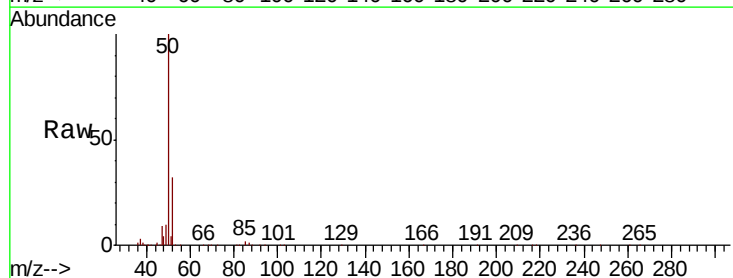
Acq: 17 Aug 2021 5:07

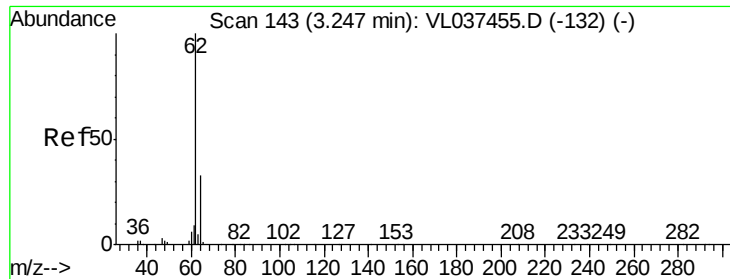
Tgt Ion: 50 Resp: 931197

Ion Ratio Lower Upper

50 100

52 32.2 24.0 36.0





#5

Vinyl Chloride

Concen: 9.345 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

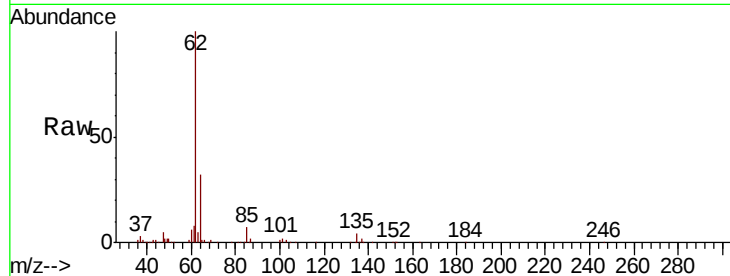
ClientSampleId :

Tot Ion: 62 Resp: 953654

Ion Ratio Lower Upper

62 100

64 32.1 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

500000

400000

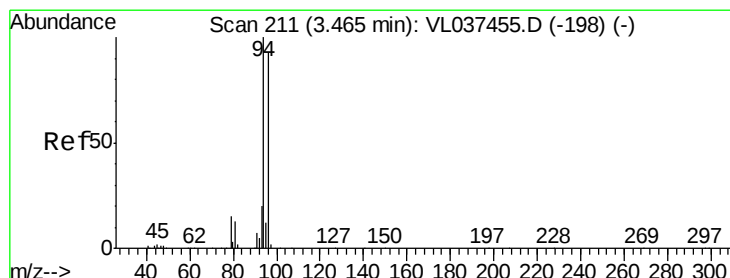
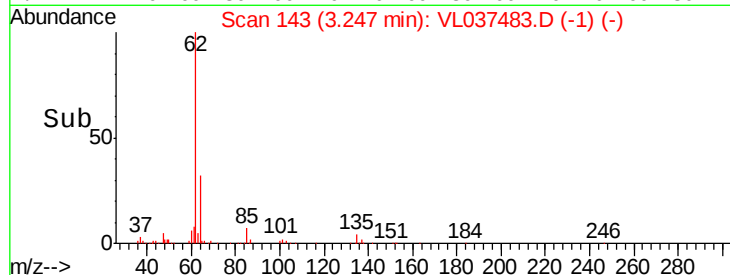
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 7.953 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037483.D

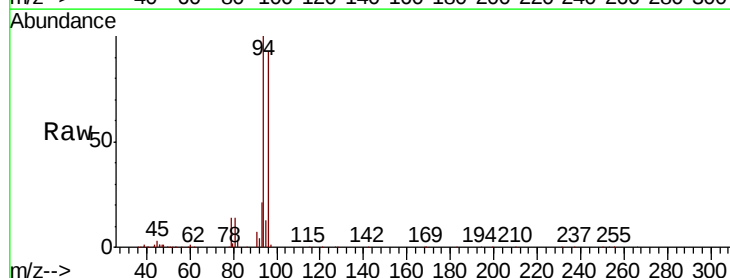
Acq: 17 Aug 2021 5:07

Tgt Ion: 94 Resp: 444554

Ion Ratio Lower Upper

94 100

96 92.9 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

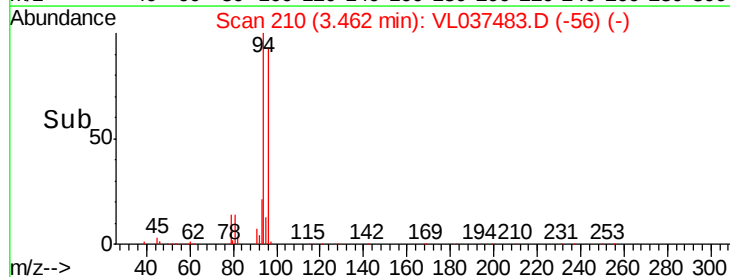
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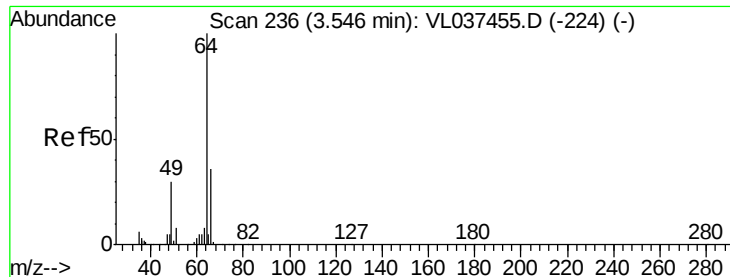
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.568 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

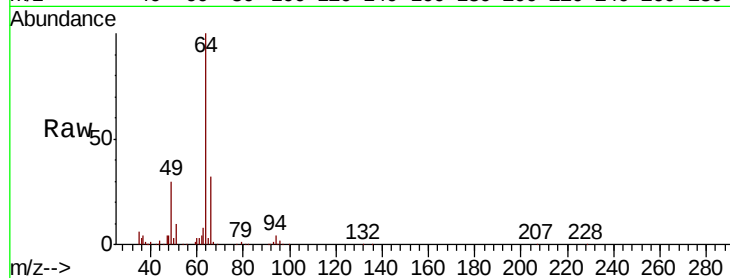
ClientSampleId :

Tot Ion: 64 Resp: 333240

Ion Ratio Lower Upper

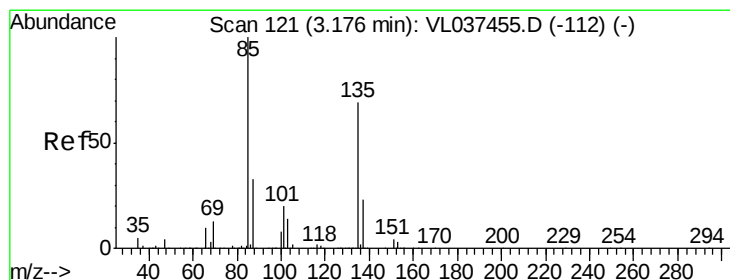
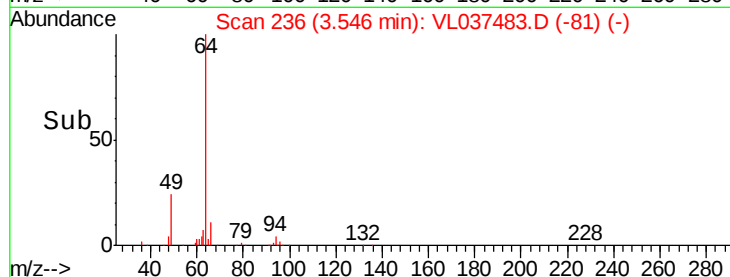
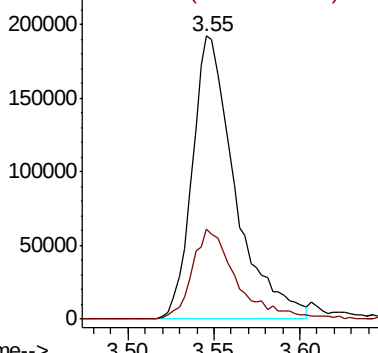
64 100

66 31.8 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.208 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037483.D

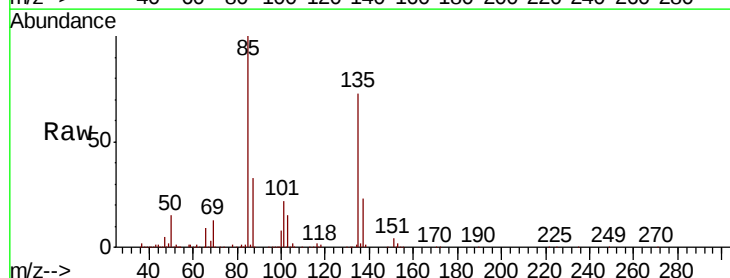
Acq: 17 Aug 2021 5:07

Tgt Ion: 85 Resp: 2220164

Ion Ratio Lower Upper

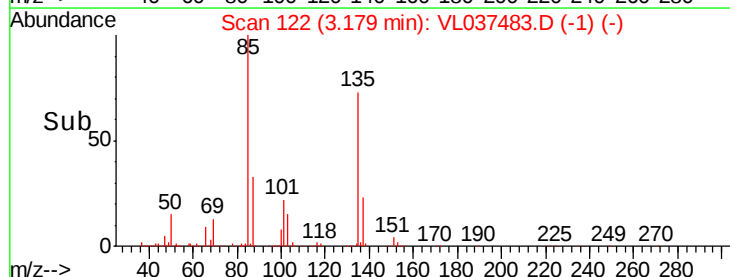
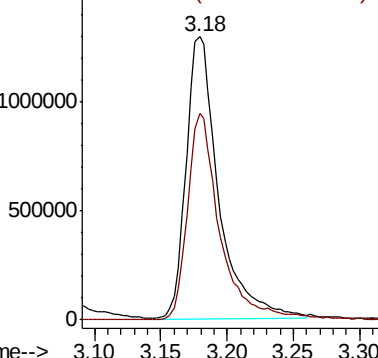
85 100

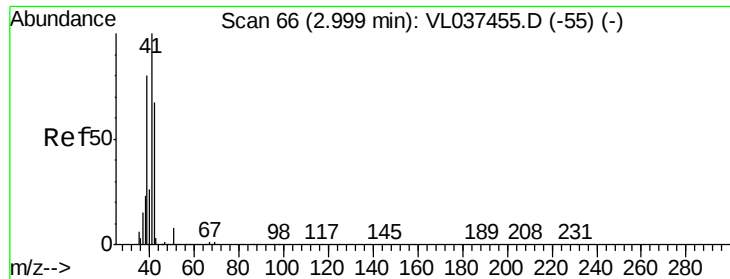
135 73.6 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.790 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

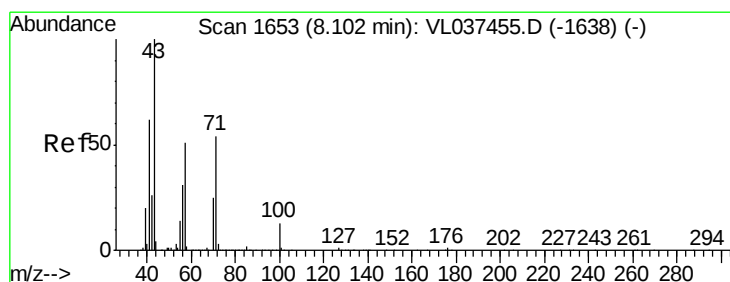
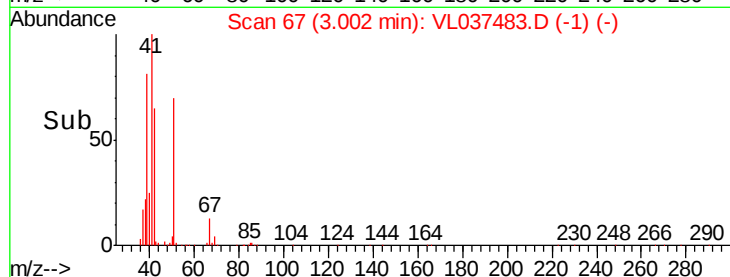
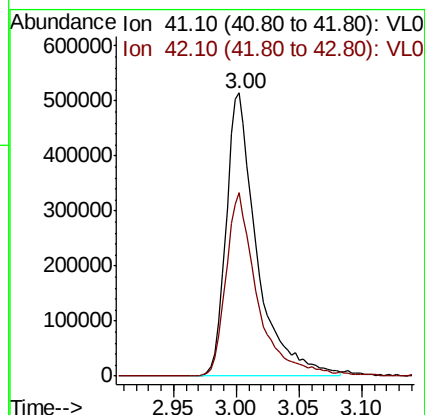
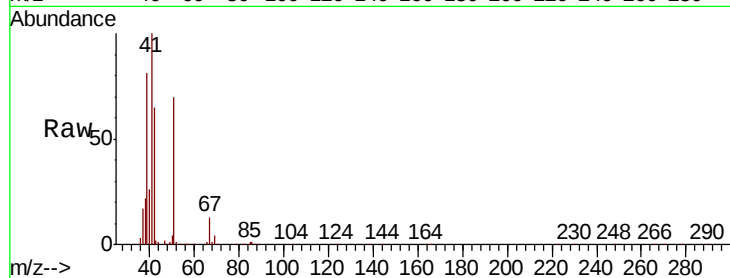
ClientSampled :

Tot Ion: 41 Resp: 876610

Ion Ratio Lower Upper

41 100

42 66.8 53.7 80.5



#10

Heptane

Concen: 9.697 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL037483.D

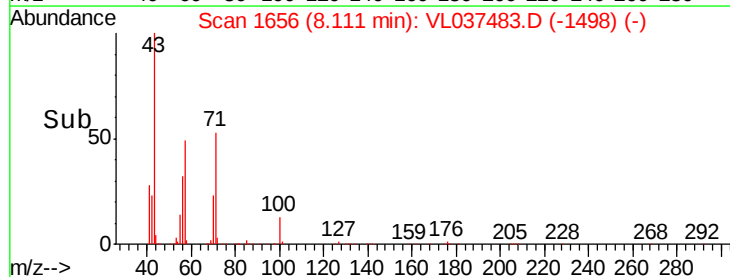
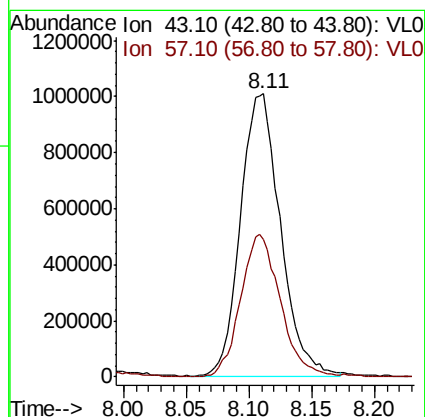
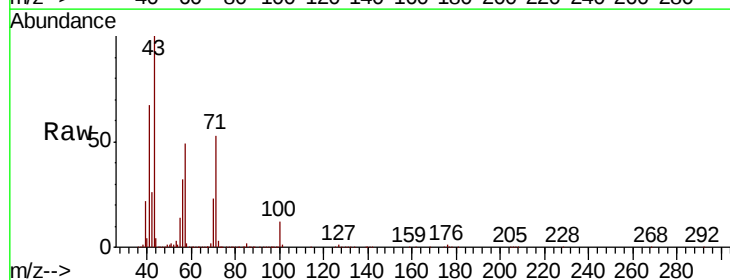
Acq: 17 Aug 2021 5:07

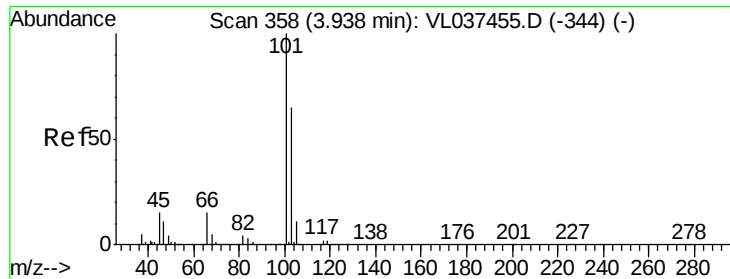
Tgt Ion: 43 Resp: 2226142

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6

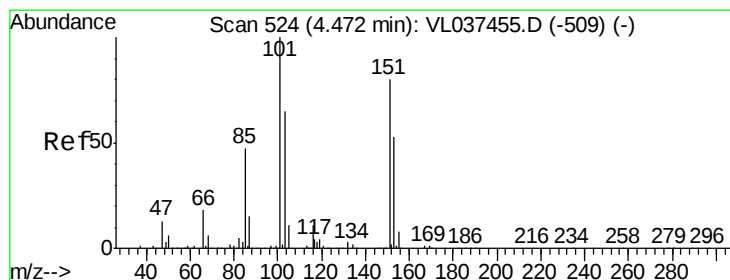
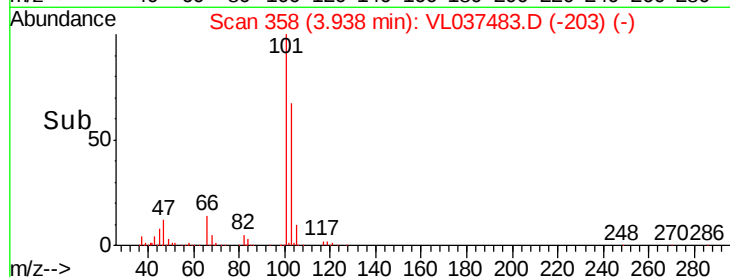
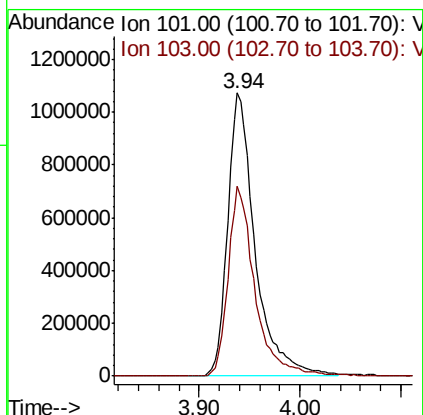
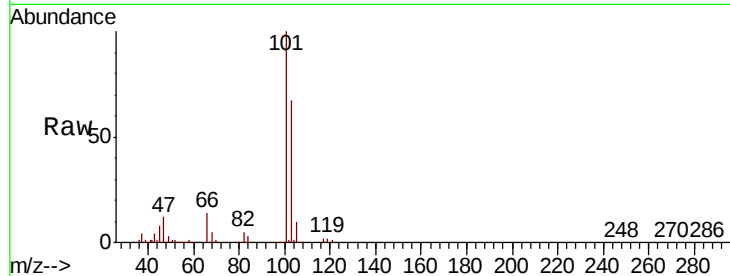




#11
 Trichlorofluoromethane
 Concen: 9.322 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

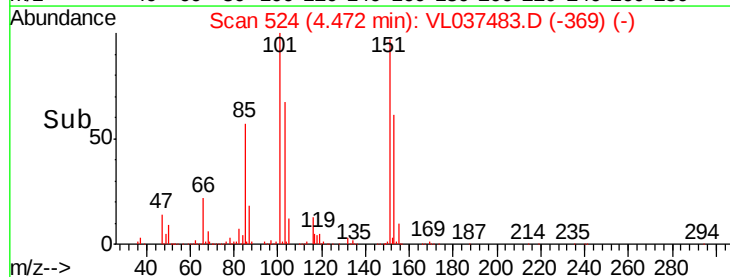
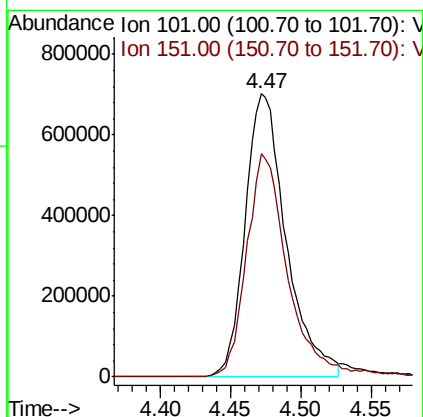
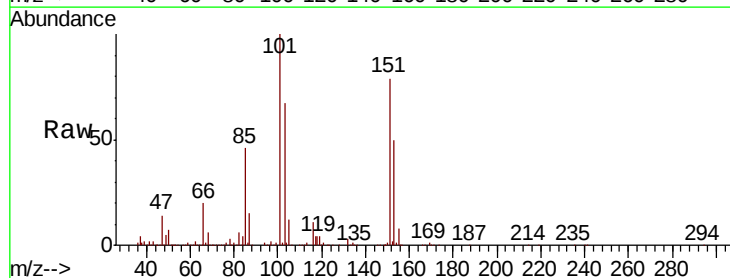
Instrument :
 MSVOA_L
 ClientSampleId :

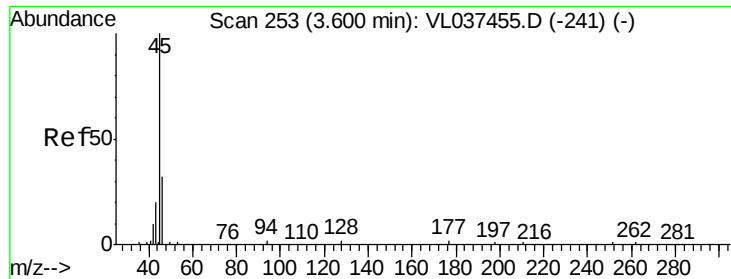
Tot Ion:101 Resp: 2043717
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.882 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion:101 Resp: 1428923
 Ion Ratio Lower Upper
 101 100
 151 80.4 63.7 95.5





#13

Ethanol

Concen: 7.485 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

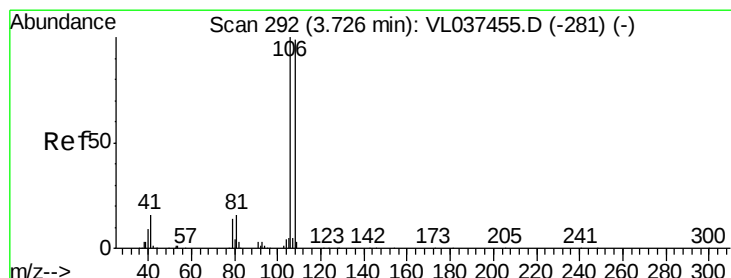
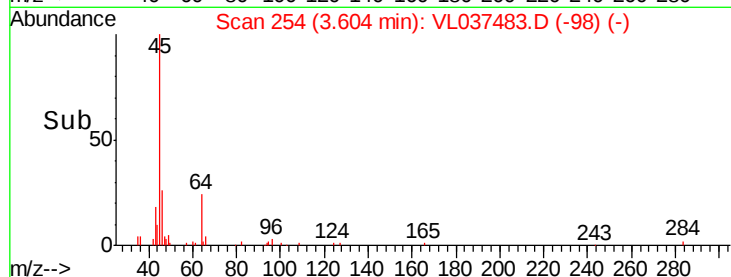
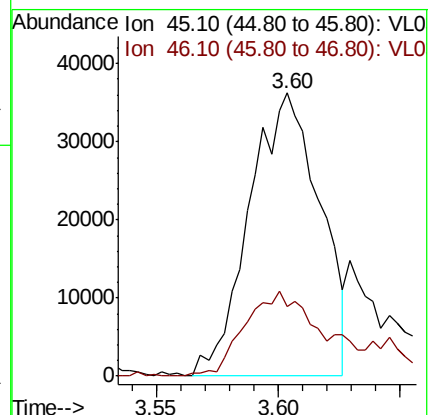
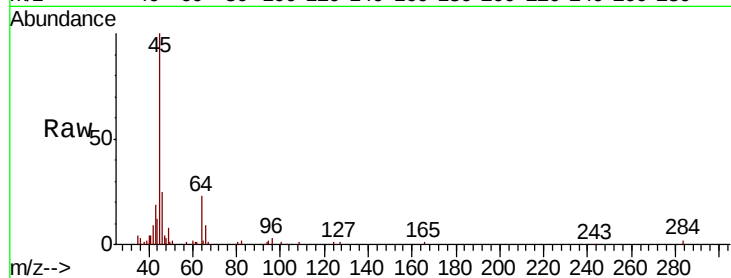
ClientSampleId :

Tot Ion: 45 Resp: 72641

Ion Ratio Lower Upper

45 100

46 43.2 14.1 56.5



#14

Bromoethene

Concen: 9.064 ppbv

RT: 3.73 min Scan# 294

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

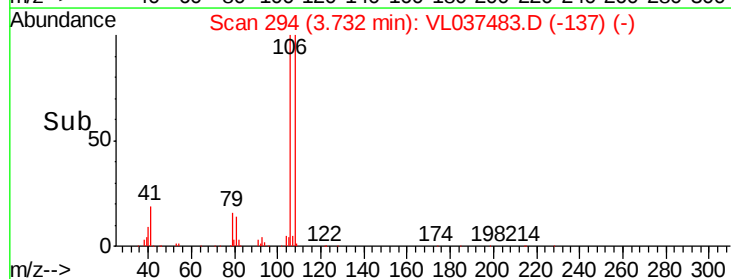
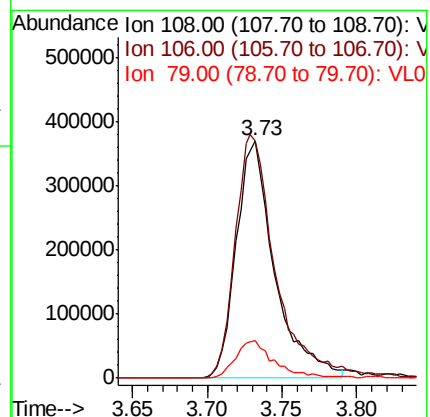
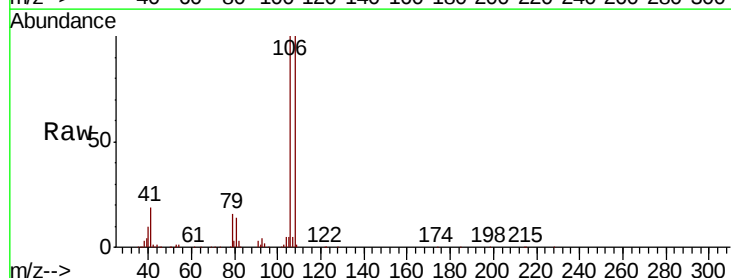
Tgt Ion: 108 Resp: 661964

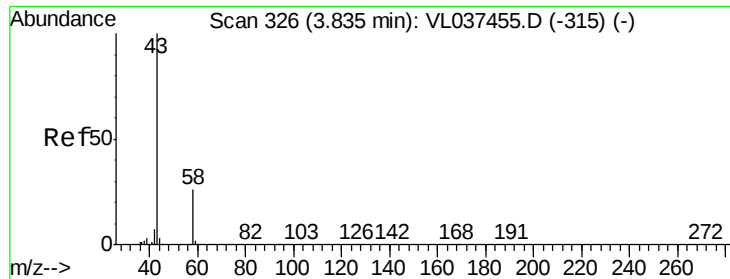
Ion Ratio Lower Upper

108 100

106 110.1 85.8 128.8

79 16.1 12.6 18.8





#15

Acetone

Concen: 7.689 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

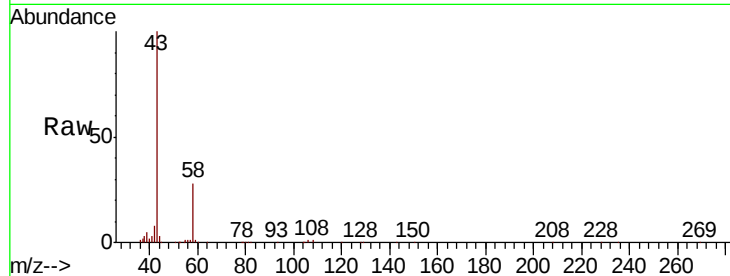
ClientSampleId :

Tot Ion: 43 Resp: 1139116

Ion Ratio Lower Upper

43 100

58 30.4 24.8 37.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

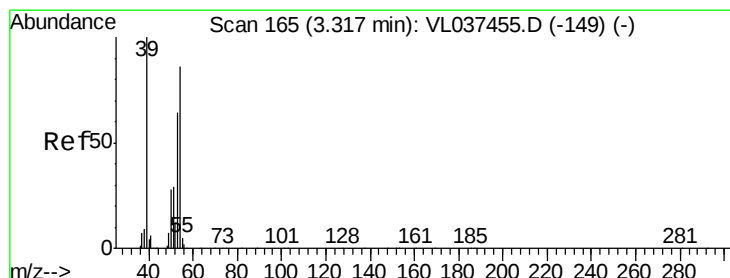
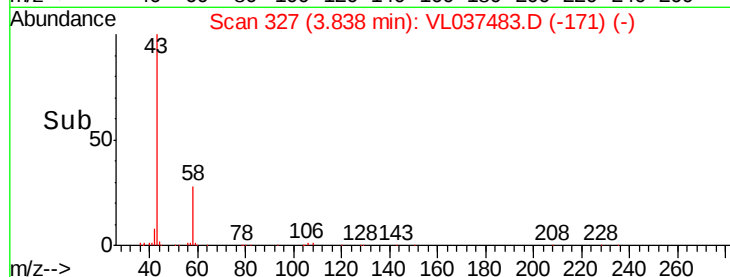
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 9.489 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037483.D

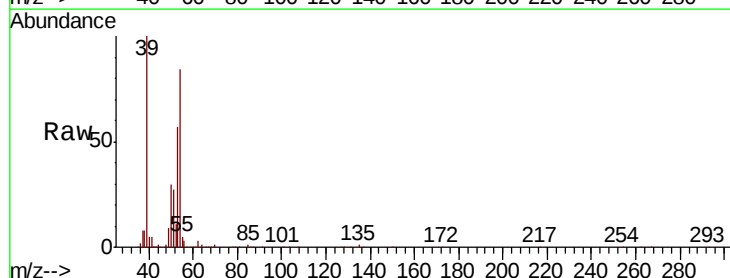
Acq: 17 Aug 2021 5:07

Tgt Ion: 39 Resp: 901704

Ion Ratio Lower Upper

39 100

54 79.0 63.7 95.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

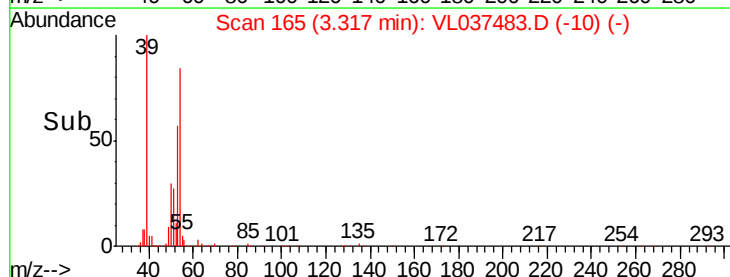
300000

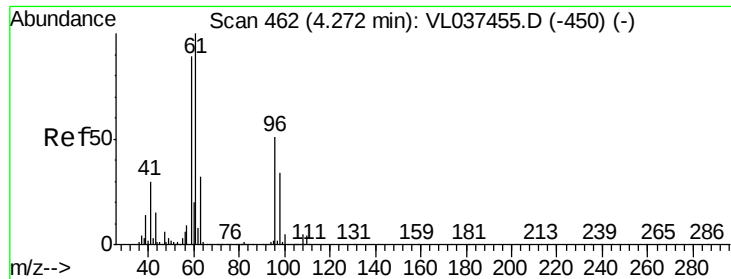
200000

100000

0

Time--> 3.25 3.30 3.35 3.40



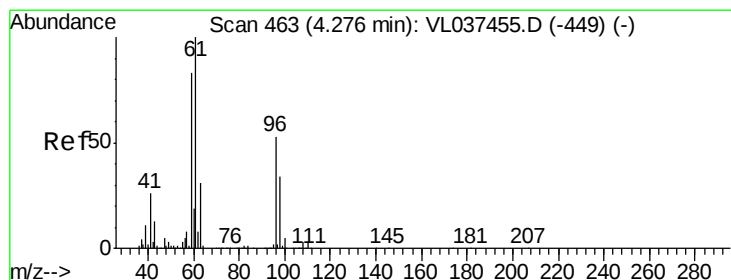
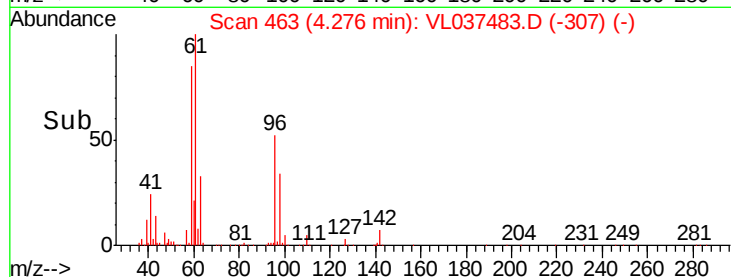
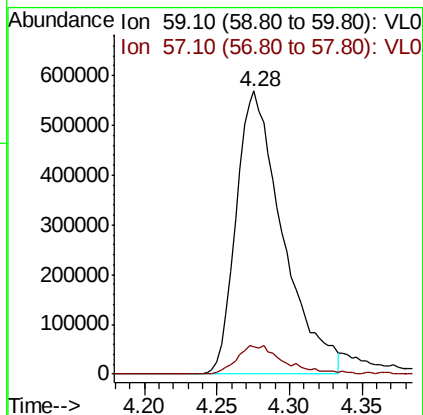
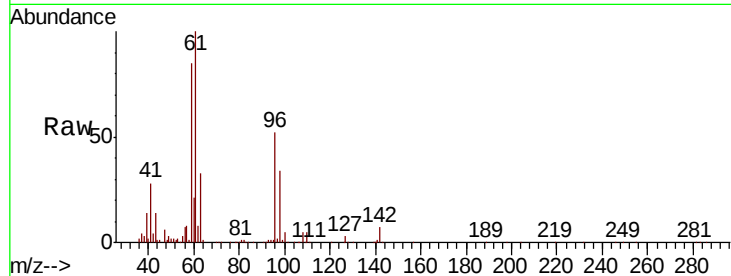


#17

tert-Butyl alcohol
Concen: 9.377 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Instrument :
MSVOA_L
ClientSampled :

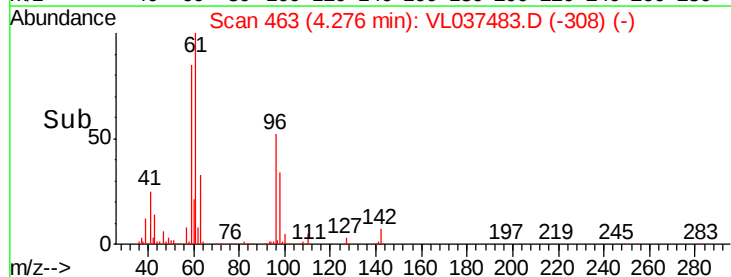
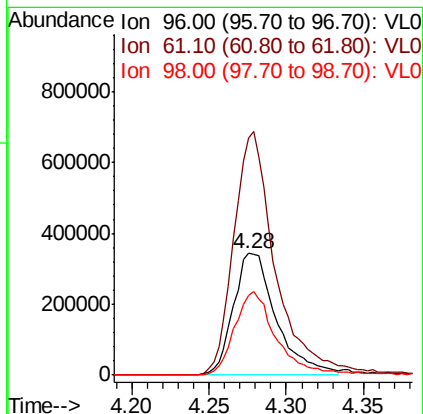
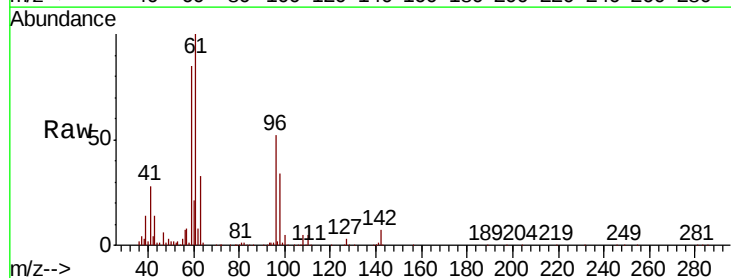
Tot Ion: 59 Resp: 1269048
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

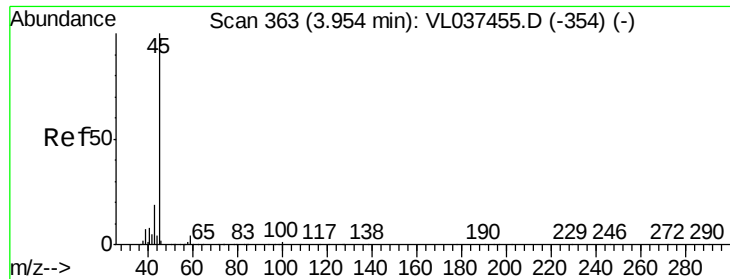


#18

1,1-Dichloroethene
Concen: 9.073 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 96 Resp: 663015
Ion Ratio Lower Upper
96 100
61 194.1 151.1 226.7
98 65.9 51.8 77.8





#19

Isopropyl Alcohol

Concen: 8.808 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

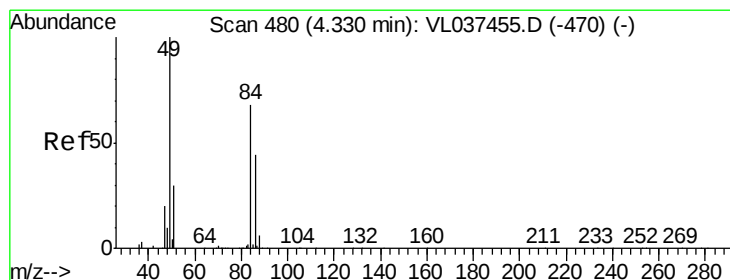
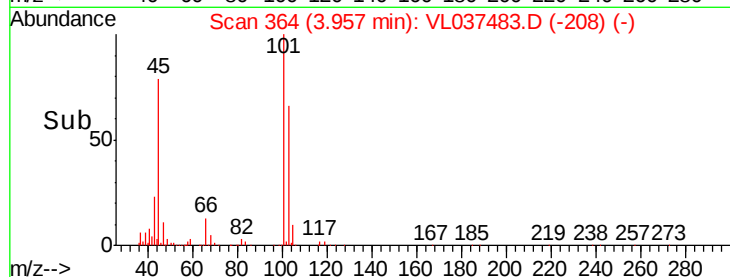
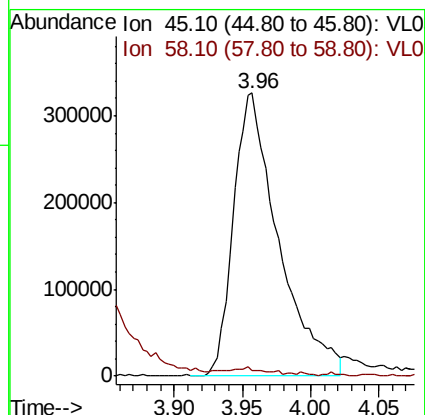
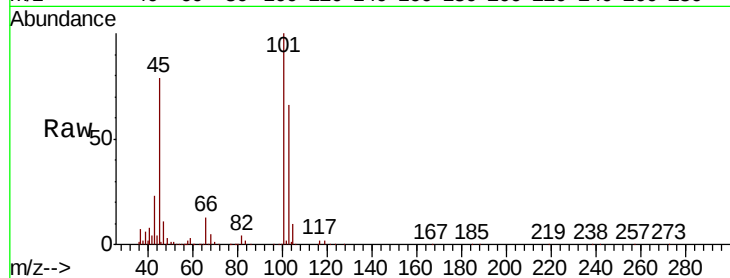
ClientSampleId :

Tot Ion: 45 Resp: 747521

Ion Ratio Lower Upper

45 100

58 3.6 1.4 2.2#



#20

Methylene Chloride

Concen: 7.631 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Tgt Ion: 84 Resp: 566007

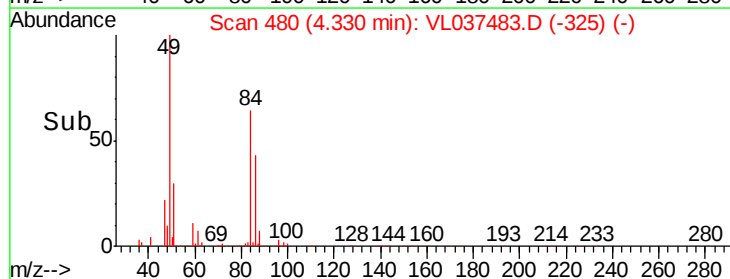
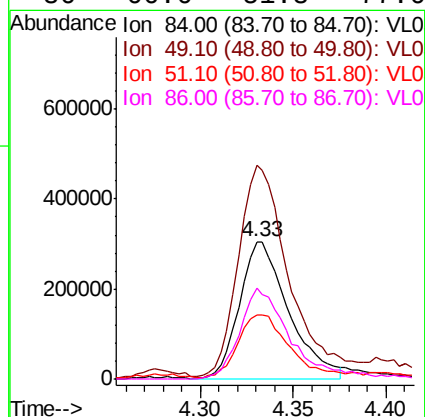
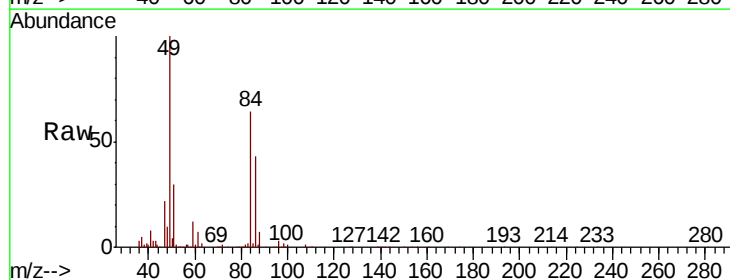
Ion Ratio Lower Upper

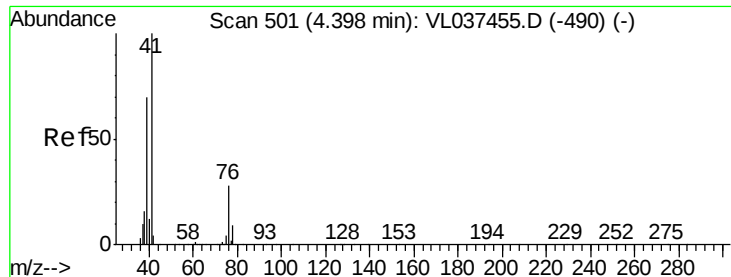
84 100

49 153.6 118.2 177.2

51 45.2 36.6 55.0

86 66.6 51.8 77.6

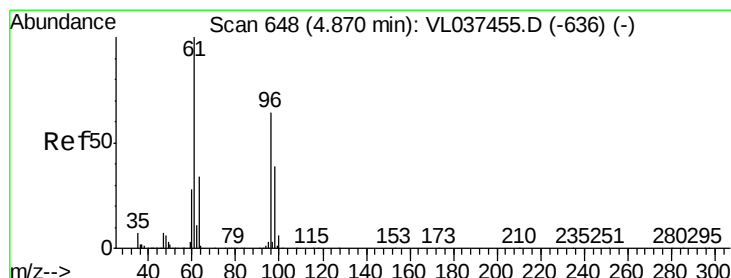
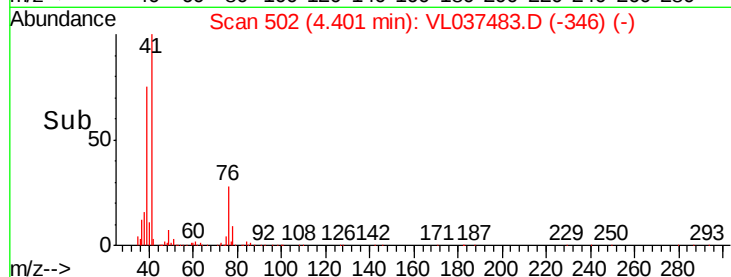
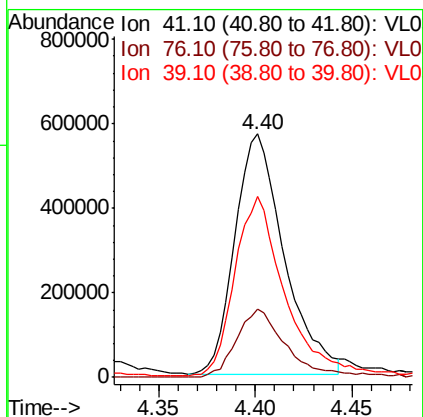
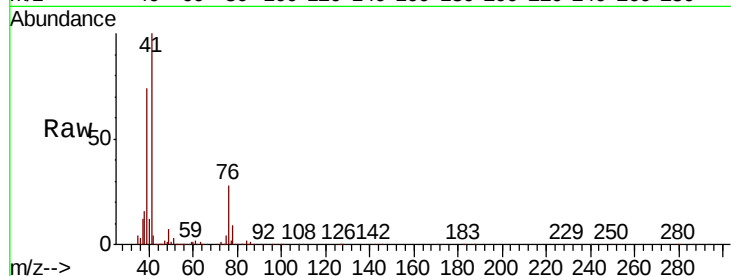




#21
Allvl Chloride
Concen: 8.365 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

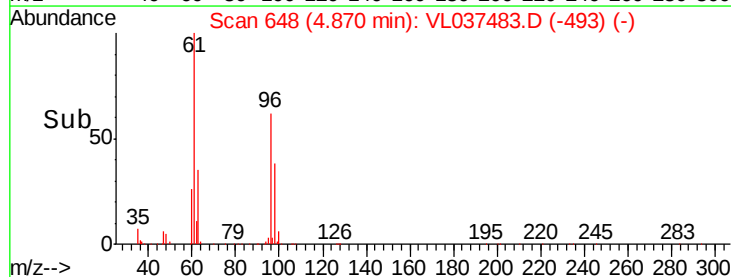
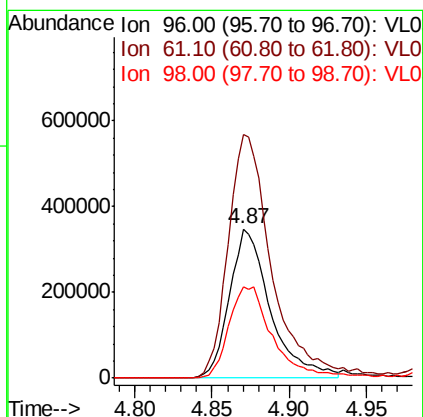
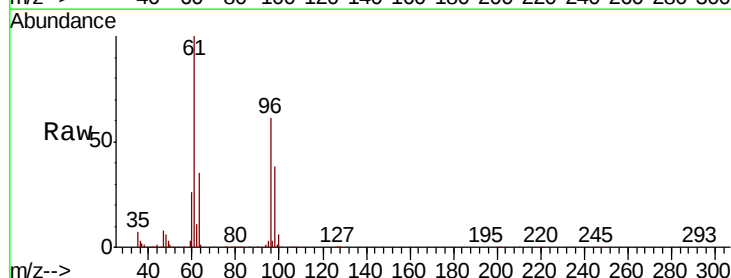
Instrument :
MSVOA_L
ClientSampleId :

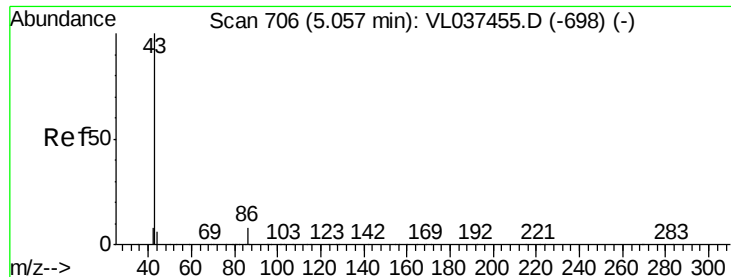
Tot Ion: 41 Resp: 1006516
Ion Ratio Lower Upper
41 100
76 29.5 21.8 32.6
39 77.3 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 8.722 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 96 Resp: 635926
Ion Ratio Lower Upper
96 100
61 163.1 125.5 188.3
98 61.2 49.0 73.4



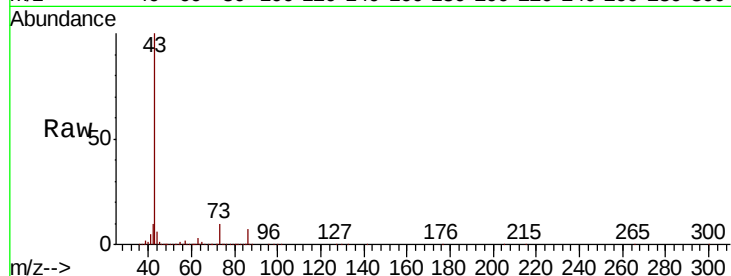


#23
 Vinyl Acetate
 Concen: 10.011 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

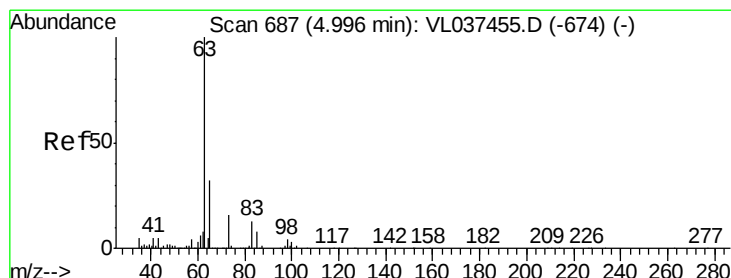
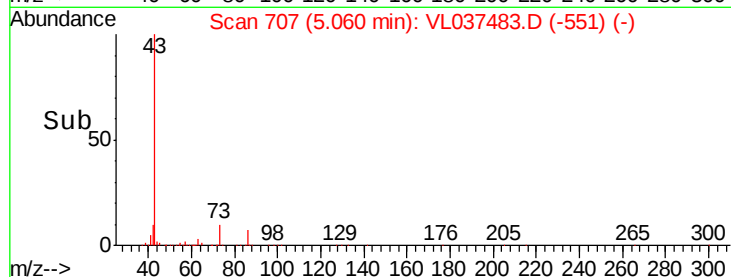
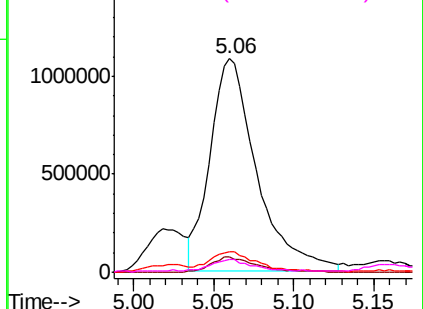
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2186000

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.7	8.5
42	9.4	7.4	11.2
44	5.7	4.3	6.5



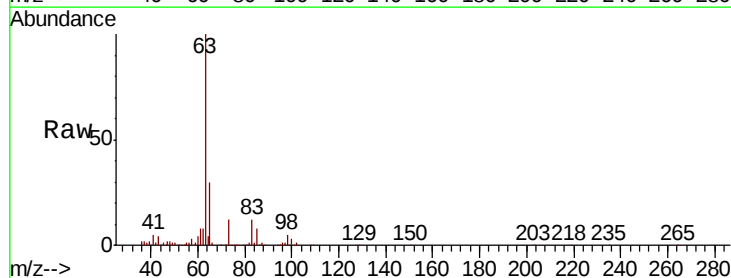
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



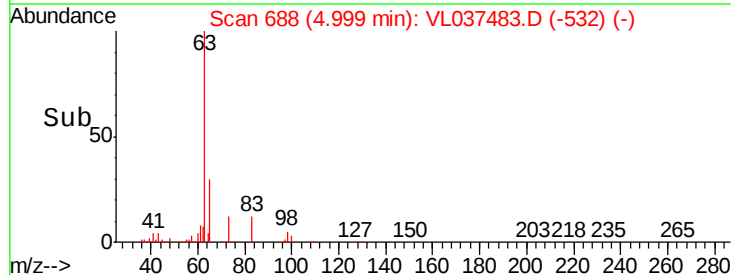
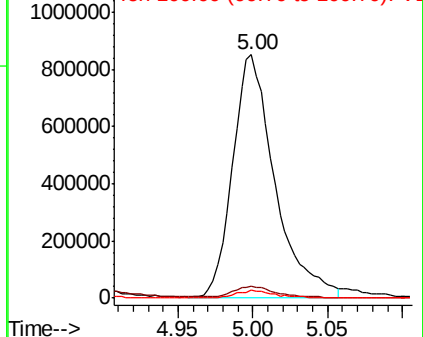
#24
 1,1-Dichloroethane
 Concen: 10.462 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

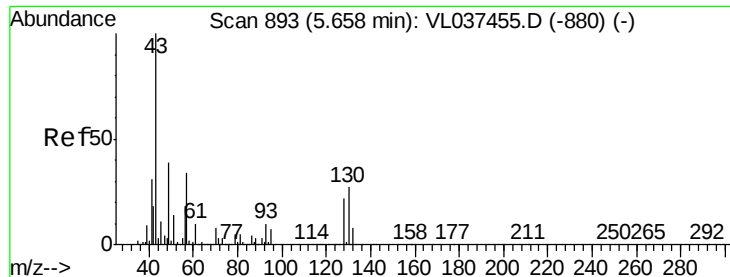
Tgt Ion: 63 Resp: 1656862

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.3
100	3.1	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

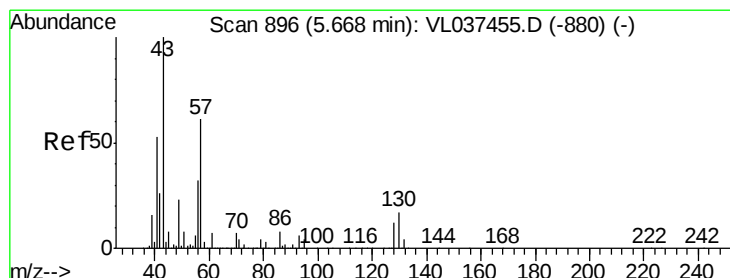
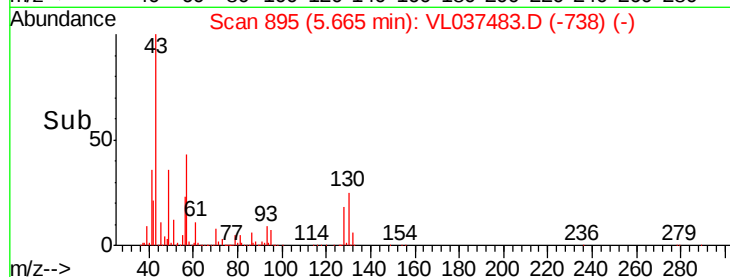
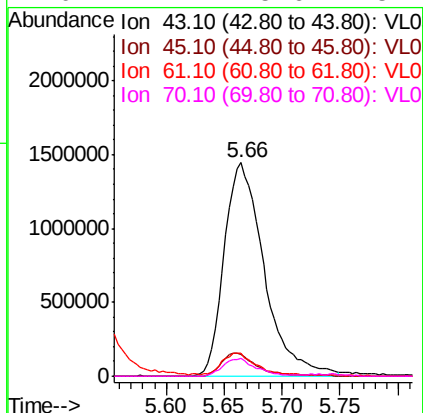
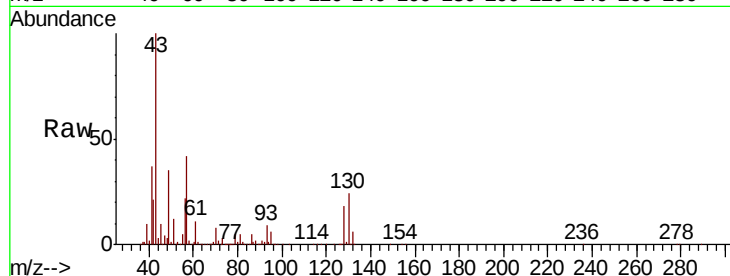




#25
Ethyl Acetate
Concen: 9.143 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

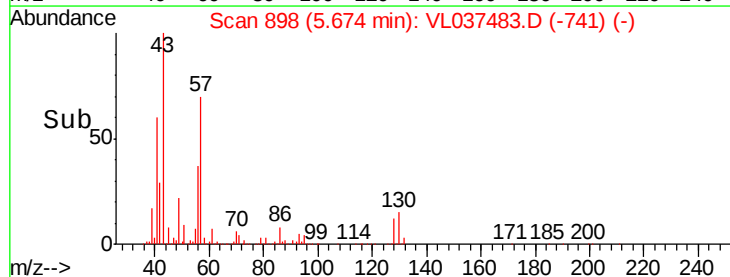
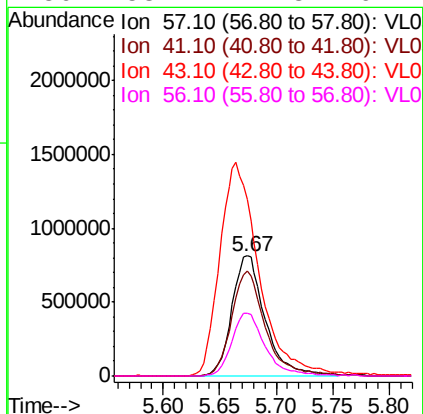
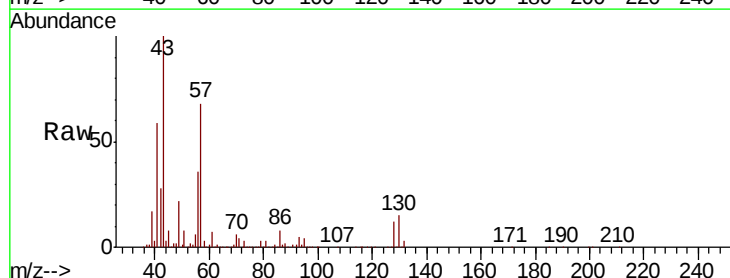
Instrument :
MSVOA_L
ClientSampleId :

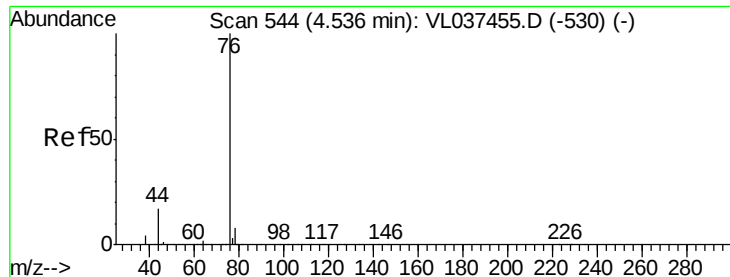
Tot Ion: 43 Resp: 3438545
Ion Ratio Lower Upper
43 100
45 9.9 8.0 12.0
61 10.5 8.0 12.0
70 7.1 5.6 8.4



#26
Hexane
Concen: 9.060 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 57 Resp: 1665890
Ion Ratio Lower Upper
57 100
41 89.4 72.3 108.5
43 210.4 172.3 258.5
56 53.7 42.8 64.2





#27

Carbon Disulfide

Concen: 9.698 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampled :

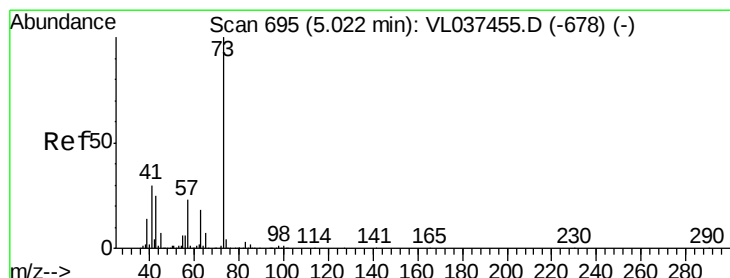
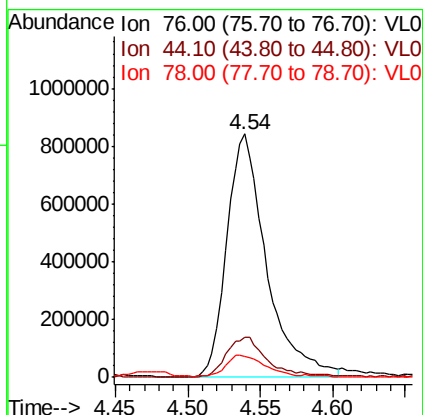
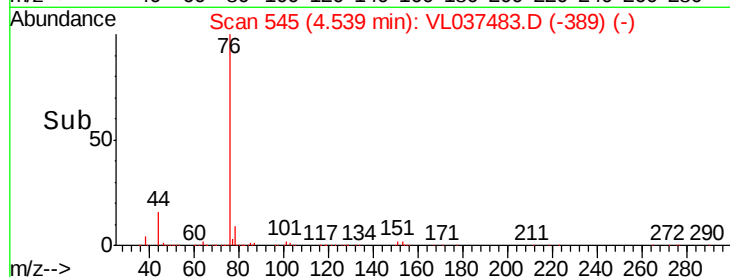
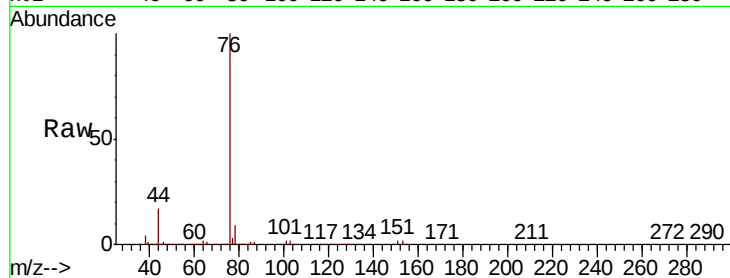
Tot Ion: 76 Resp: 1589236

Ion Ratio Lower Upper

76 100

44 16.9 13.9 20.9

78 9.9 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 10.389 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037483.D

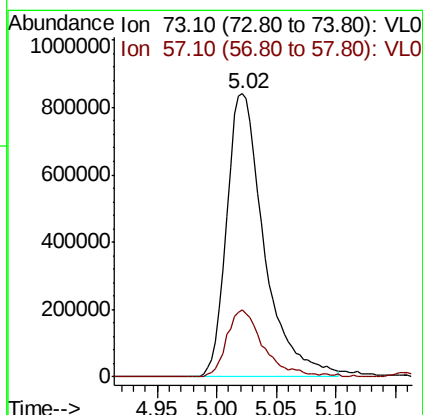
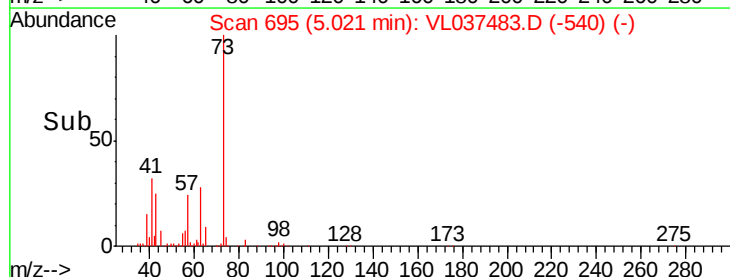
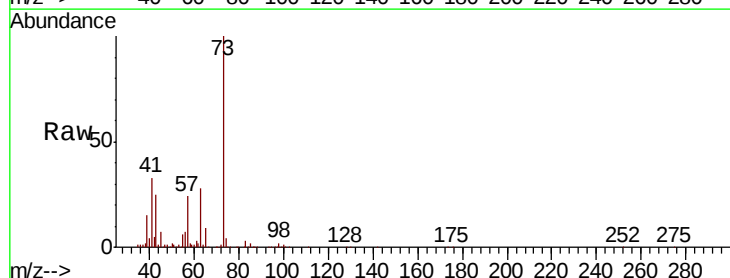
Acq: 17 Aug 2021 5:07

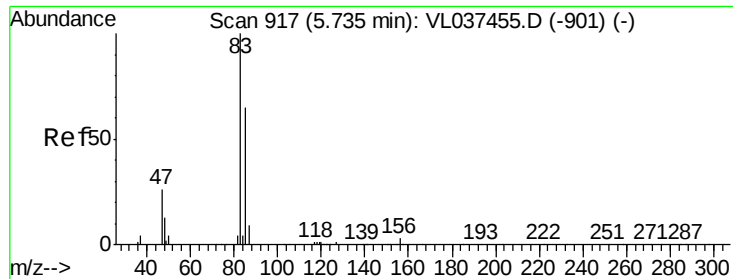
Tgt Ion: 73 Resp: 1834625

Ion Ratio Lower Upper

73 100

57 23.6 19.4 29.2

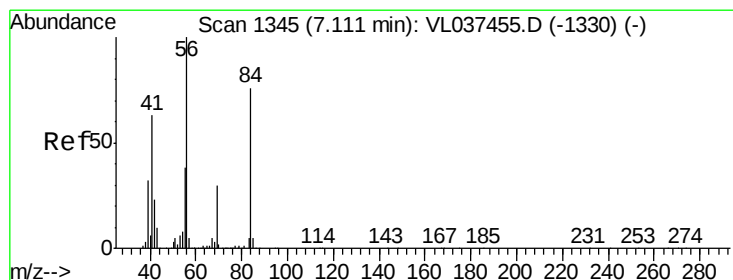
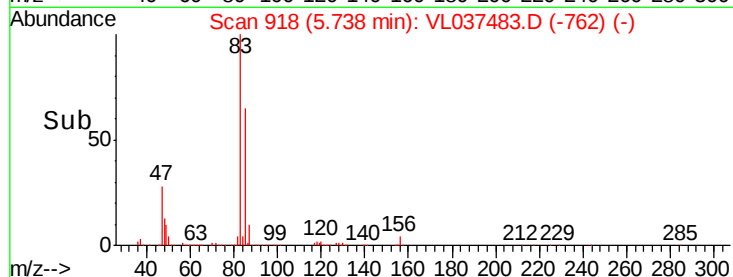
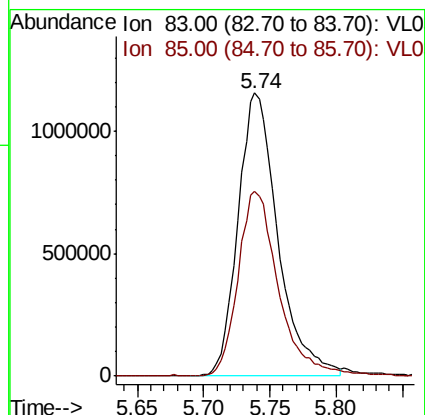
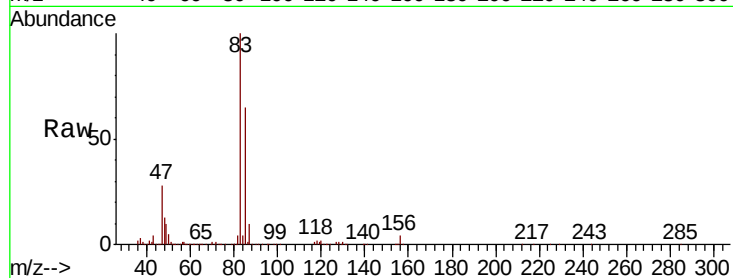




#29
Chloroform
Concen: 9.297 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

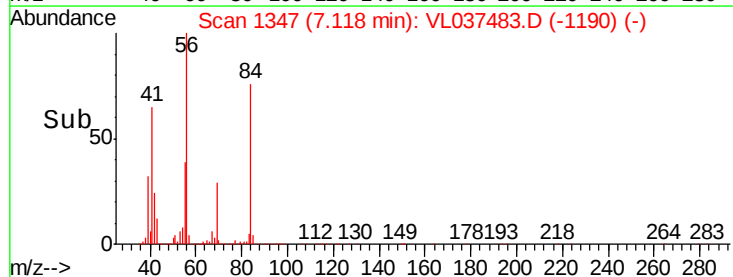
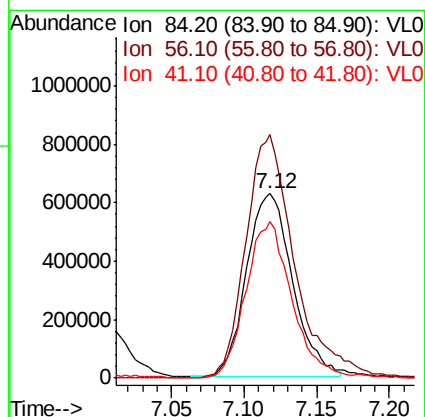
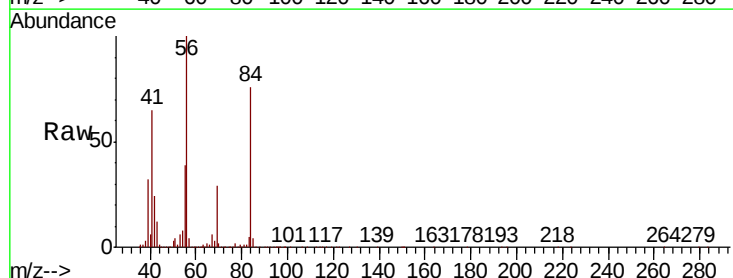
Instrument :
MSVOA_L
ClientSampleId :

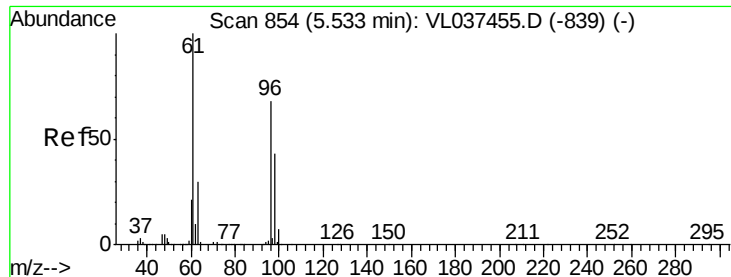
Tot Ion: 83 Resp: 2422833
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5



#30
Cyclohexane
Concen: 9.076 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 84 Resp: 1390536
Ion Ratio Lower Upper
84 100
56 141.7 110.6 165.8
41 85.2 67.0 100.6



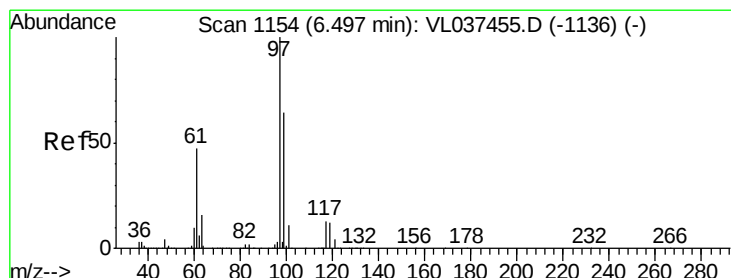
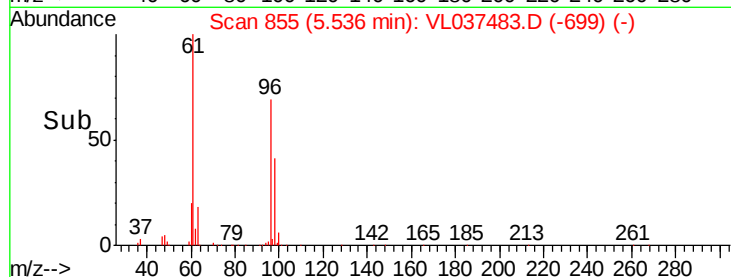
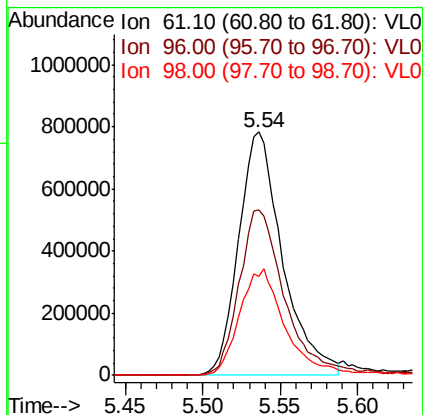
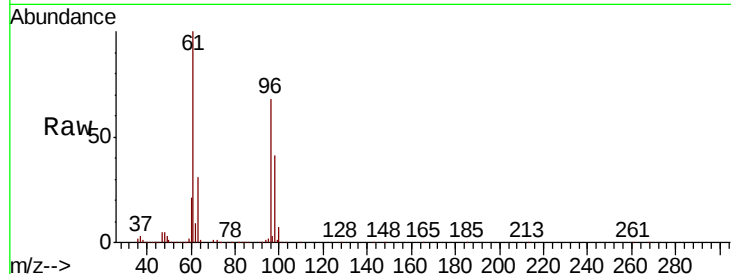


#31

cis-1,2-Dichloroethene
 Concen: 9.281 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :

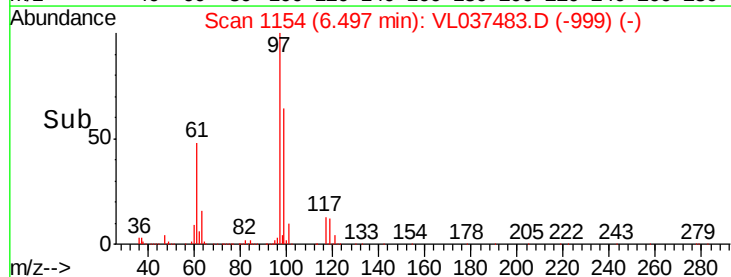
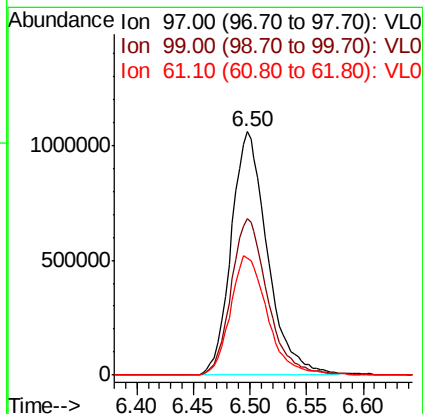
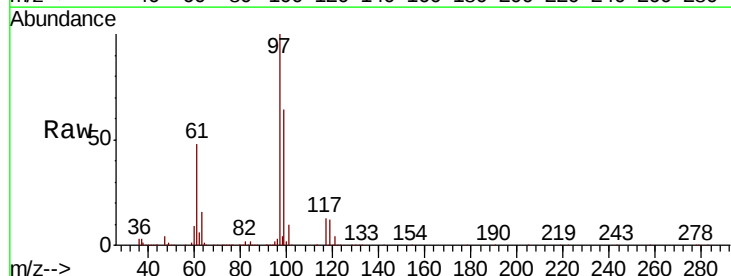
Tot Ion: 61 Resp: 1544516
 Ion Ratio Lower Upper
 61 100
 96 68.0 54.8 82.2
 98 40.8 34.2 51.2

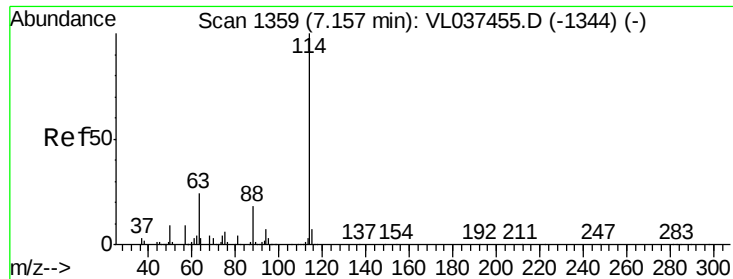


#32

1,1,1-Trichloroethane
 Concen: 9.228 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 97 Resp: 2362734
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 50.2 39.6 59.4

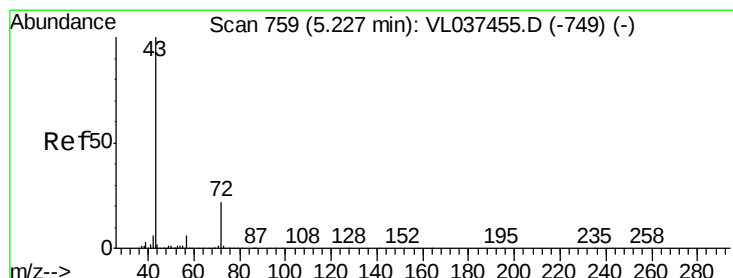
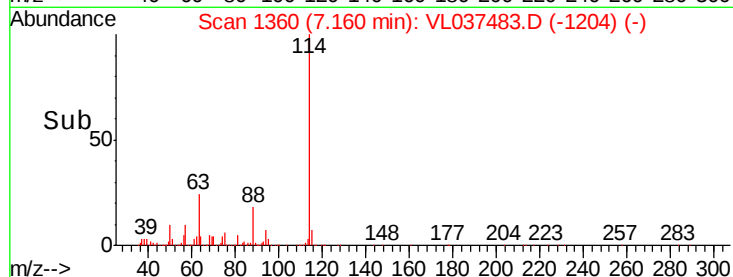
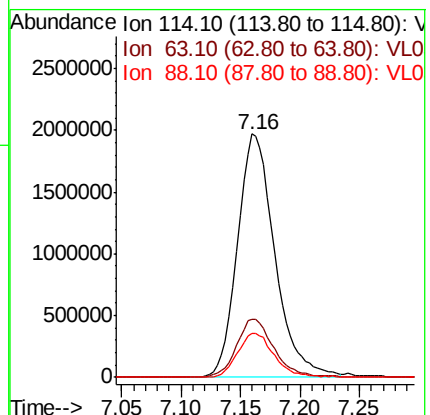
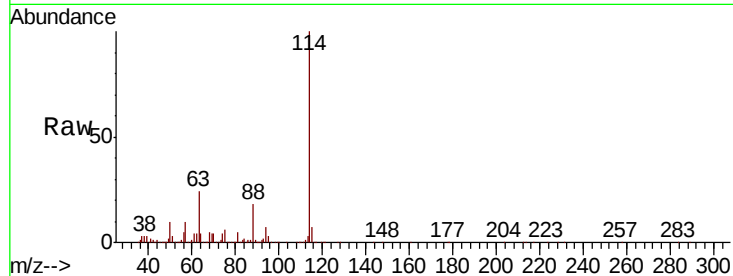




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

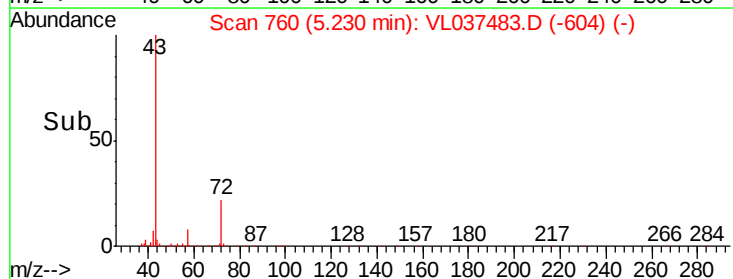
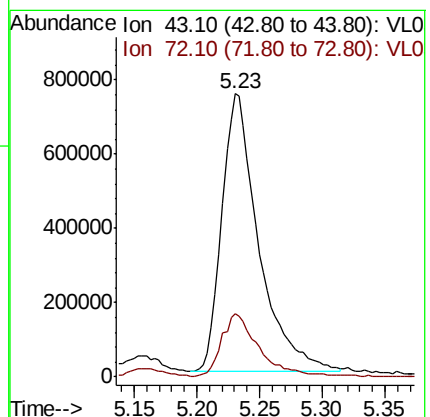
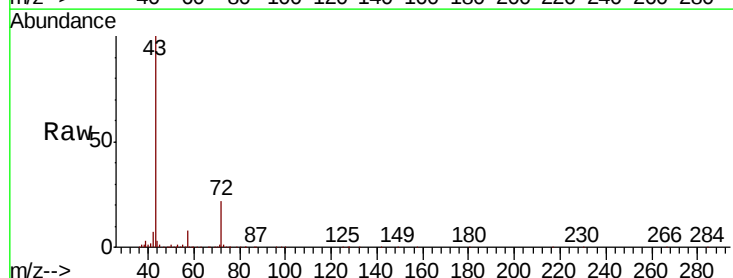
Instrument :
 MSVOA_L
 ClientSampleId :

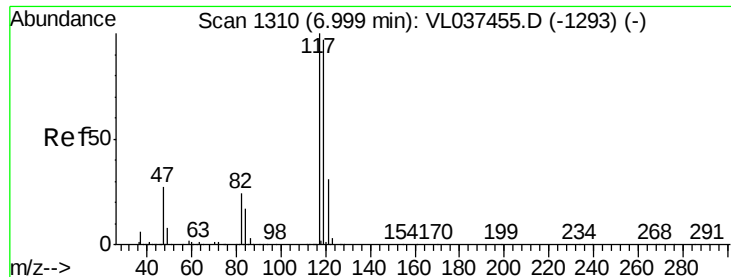
Tot Ion:114 Resp: 4282210
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.3 28.9
 88 17.9 14.2 21.4



#34
 2-Butanone
 Concen: 8.727 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 43 Resp: 1526116
 Ion Ratio Lower Upper
 43 100
 72 23.4 17.4 26.0





#35

Carbon Tetrachloride

Concen: 9.791 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampled :

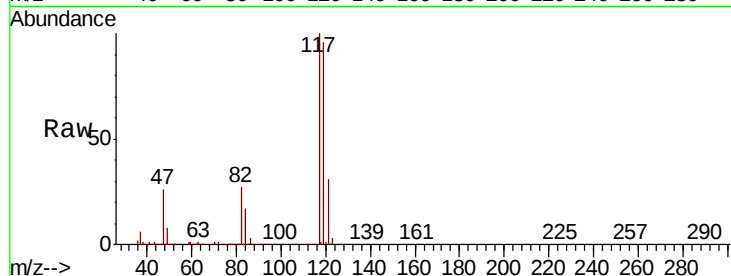
Tot Ion:117 Resp: 2477858

Ion Ratio Lower Upper

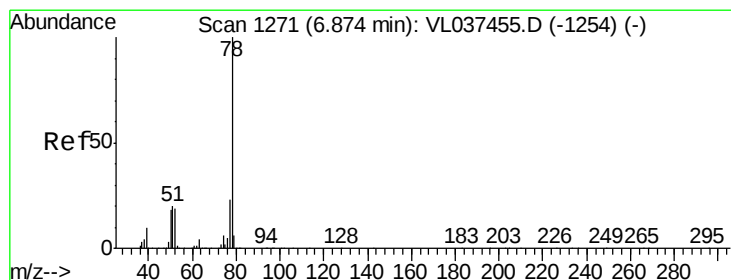
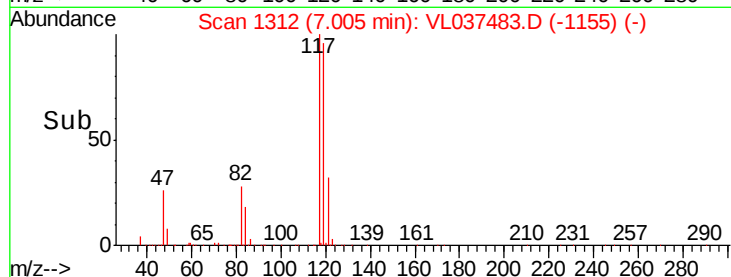
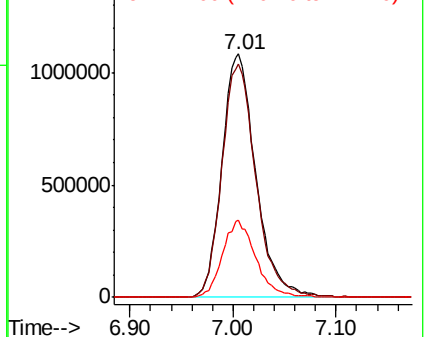
117 100

119 96.1 77.3 115.9

121 31.4 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: 9.496 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

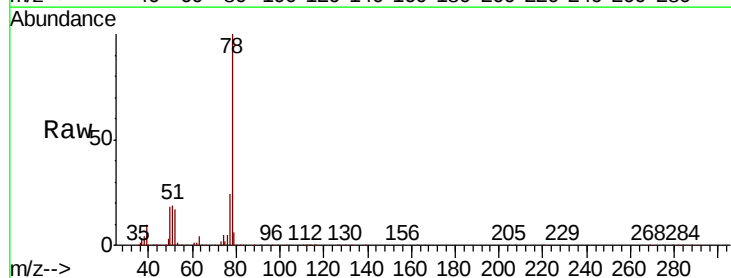
Tgt Ion: 78 Resp: 3418298

Ion Ratio Lower Upper

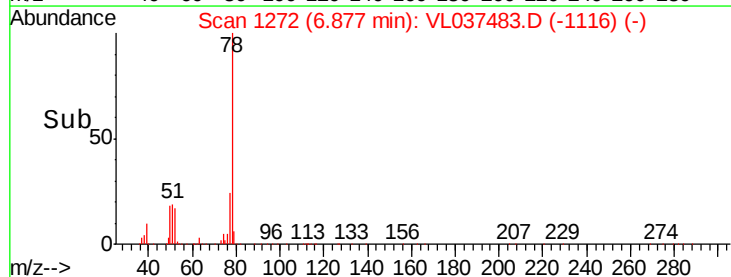
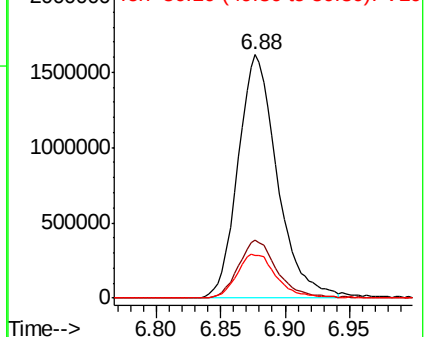
78 100

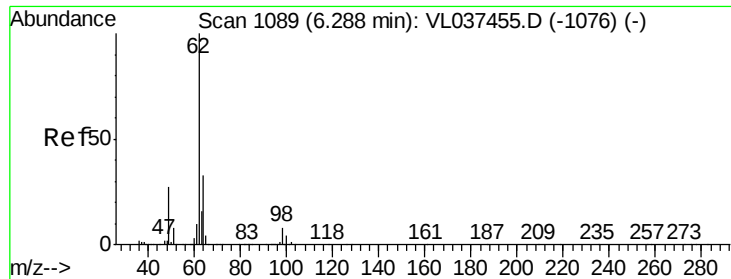
77 23.7 18.2 27.4

50 17.6 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: 9.887 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

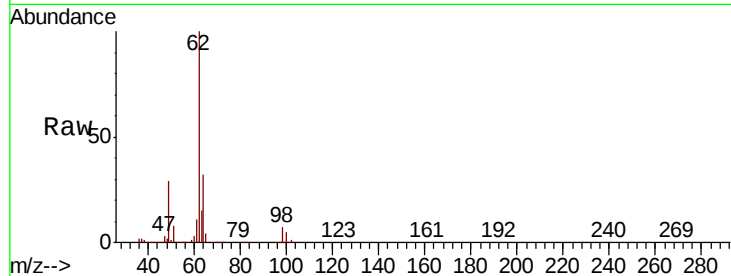
ClientSampleId :

Tot Ion: 62 Resp: 1762936

Ion Ratio Lower Upper

62 100

98 7.4 6.0 9.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

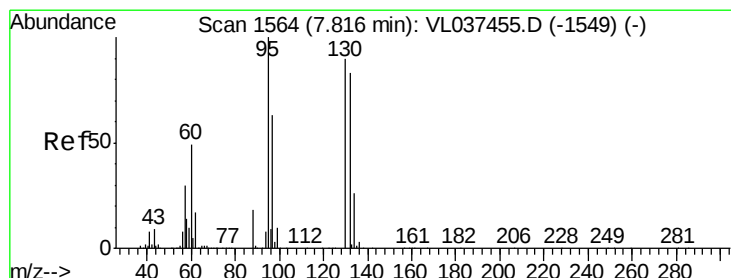
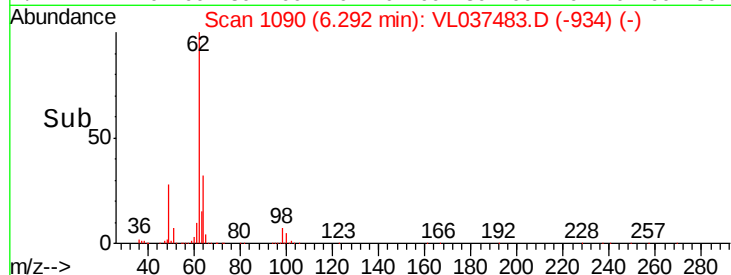
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.447 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Tgt Ion:130 Resp: 1395289

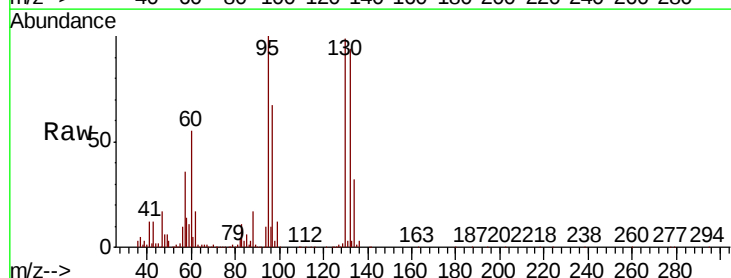
Ion Ratio Lower Upper

130 100

95 101.5 89.2 133.8

132 94.9 74.0 111.0

97 68.0 56.6 84.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

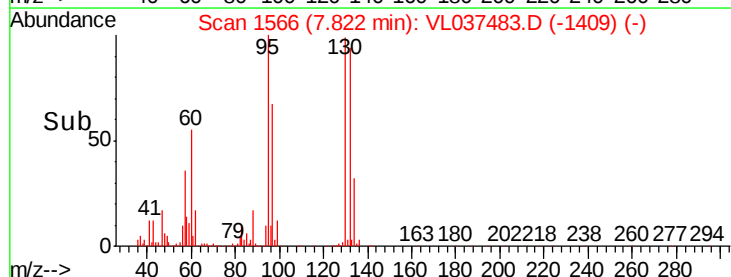
600000

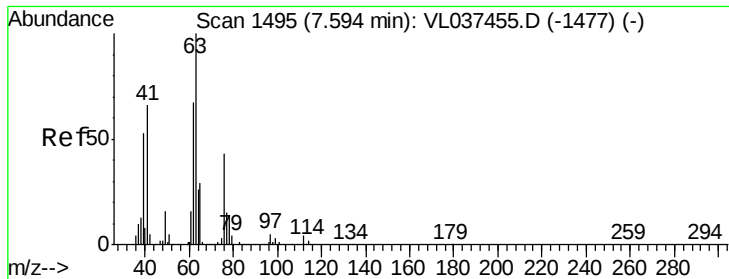
400000

200000

0

Time-->

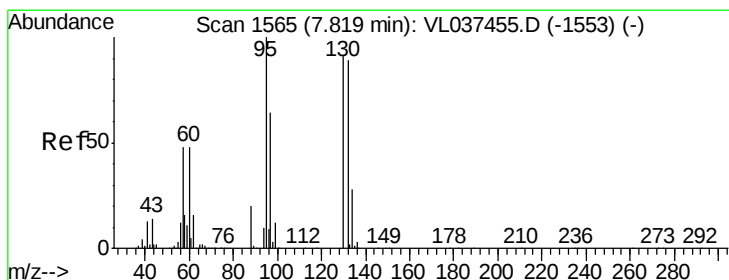
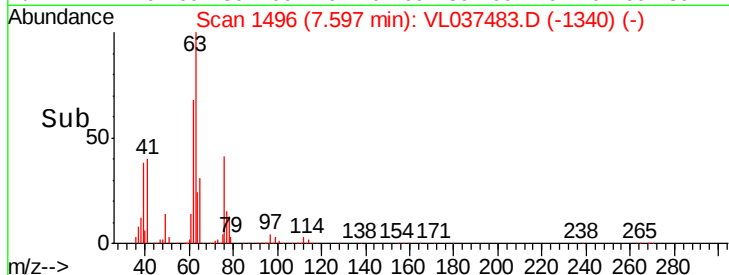
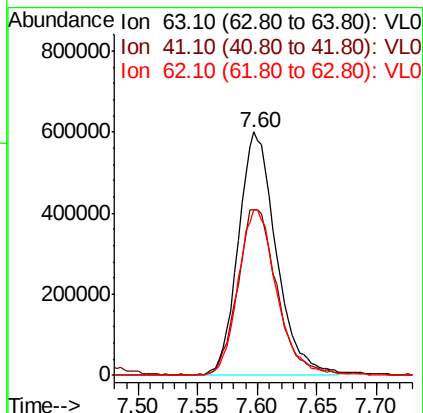
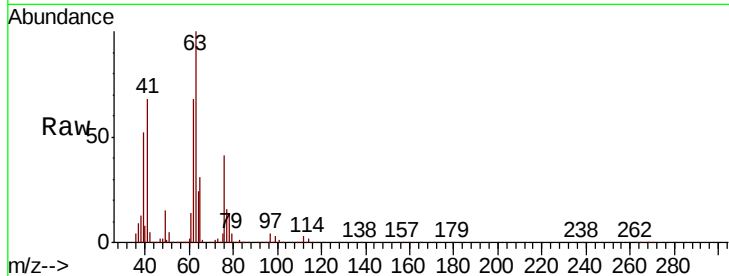




#39
 1,2-Dichloropropane
 Concen: 9.557 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

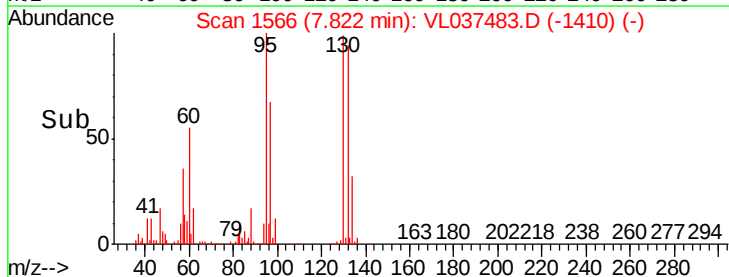
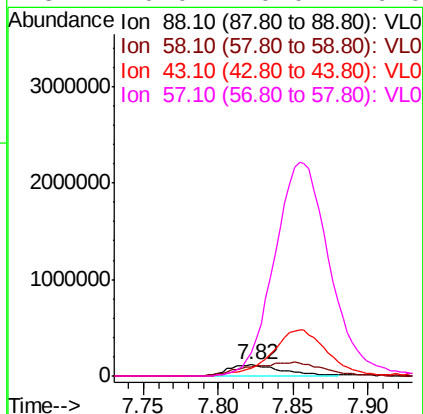
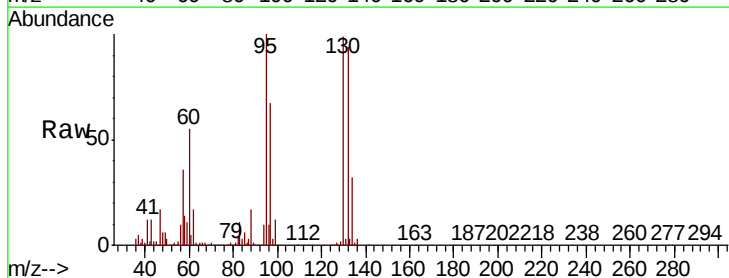
Instrument :
 MSVOA_L
 ClientSampleId :

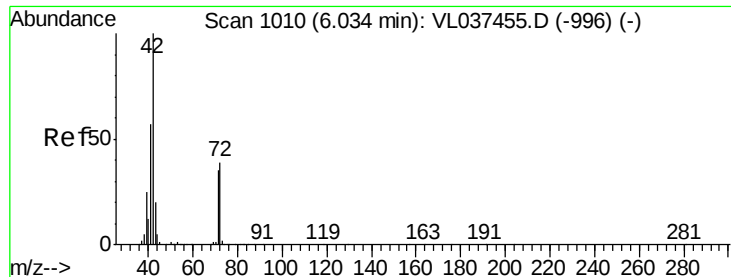
Tot Ion: 63 Resp: 1321952
 Ion Ratio Lower Upper
 63 100
 41 67.7 52.4 78.6
 62 67.7 53.6 80.4



#40
 1,4-Dioxane
 Concen: 8.785 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 88 Resp: 297706
 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: 9.446 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

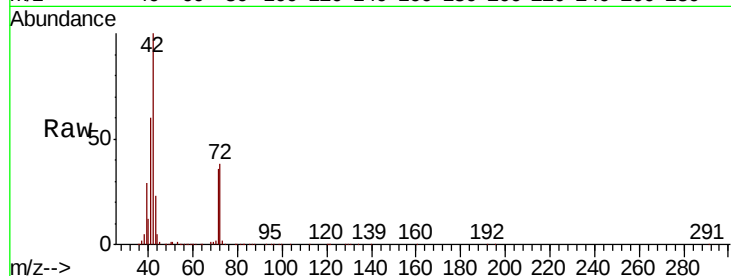
Tot Ion: 42 Resp: 795703

Ion Ratio Lower Upper

42 100

72 39.5 32.2 48.4

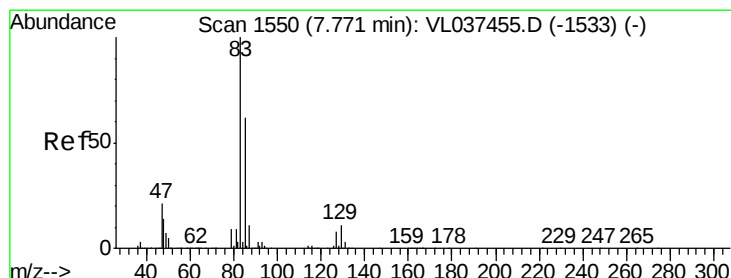
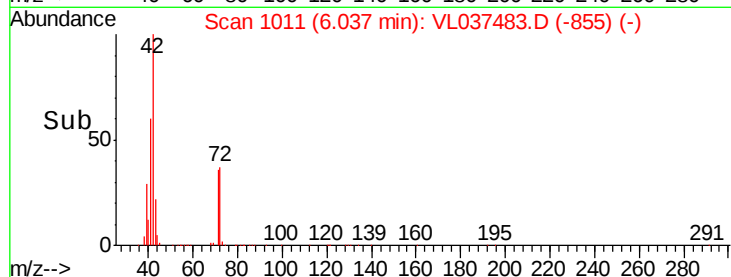
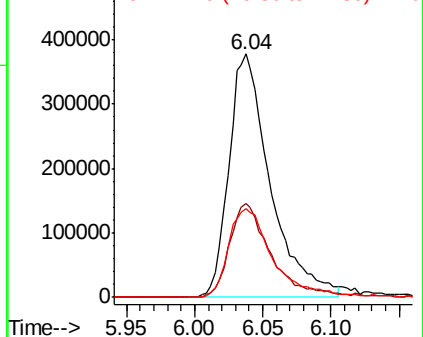
71 39.5 30.5 45.7



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: 9.994 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

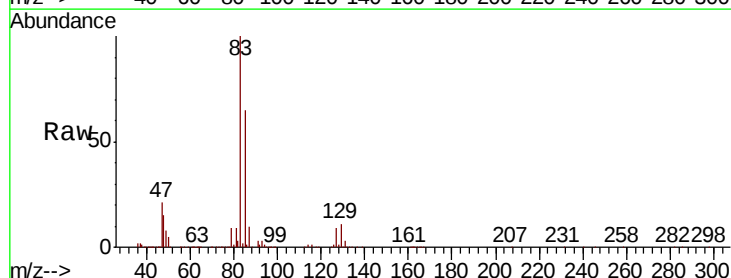
Tgt Ion: 83 Resp: 2605828

Ion Ratio Lower Upper

83 100

85 64.5 49.5 74.3

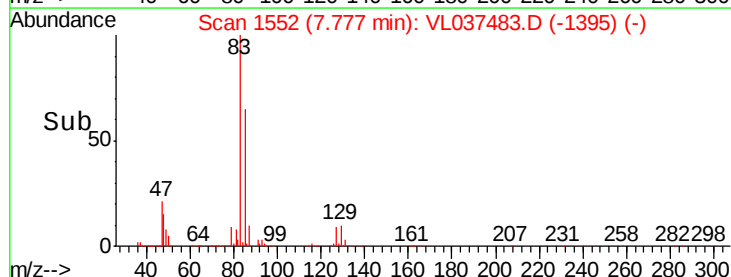
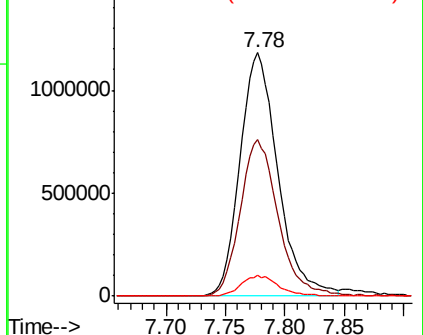
127 8.6 6.3 9.5

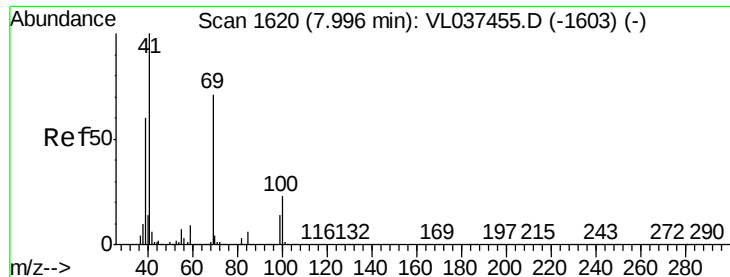


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

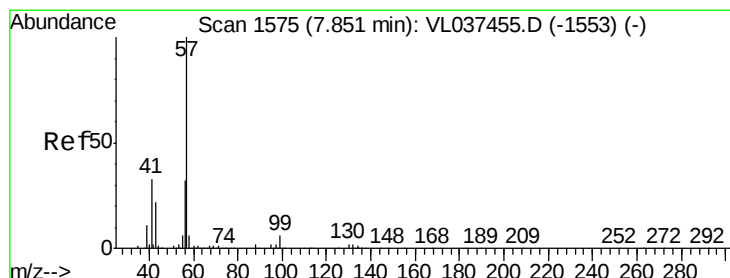
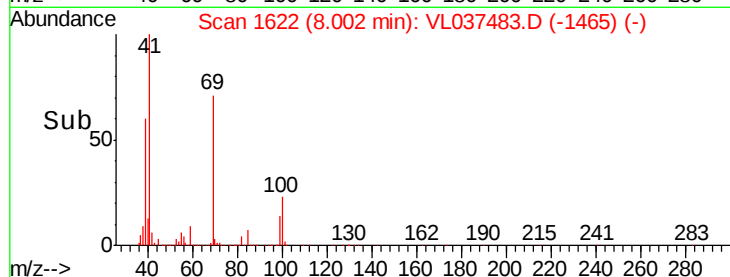
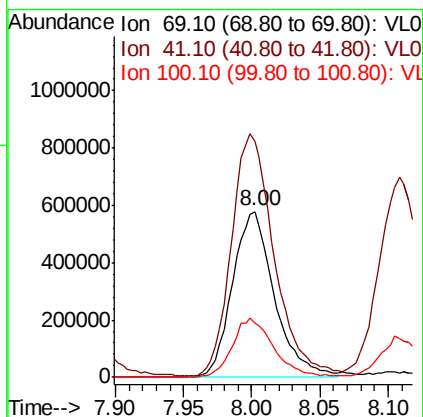
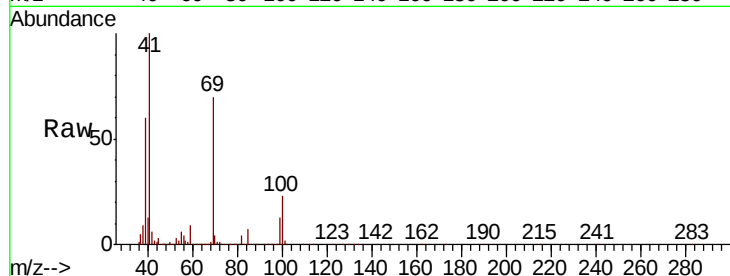




#43
Methvl Methacrvlate
Concen: 9.799 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

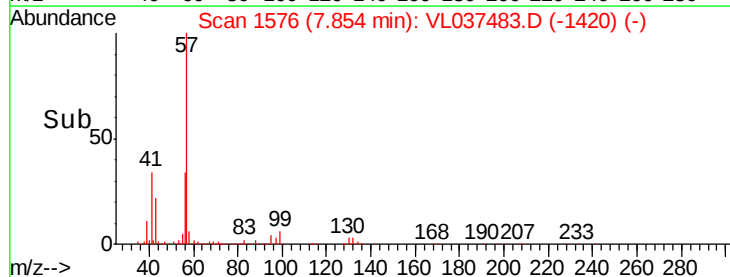
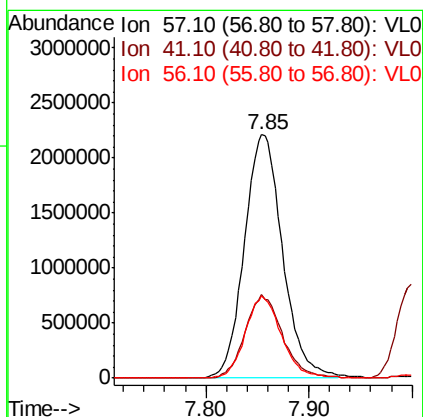
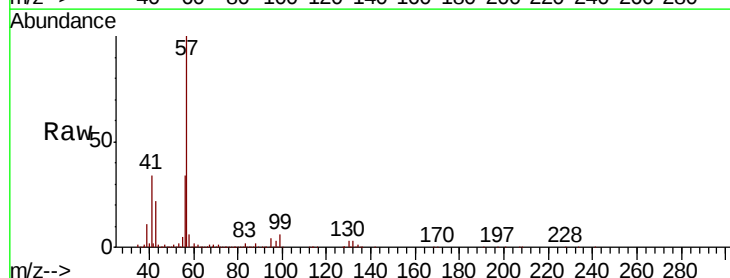
Instrument :
MSVOA_L
ClientSampleId :

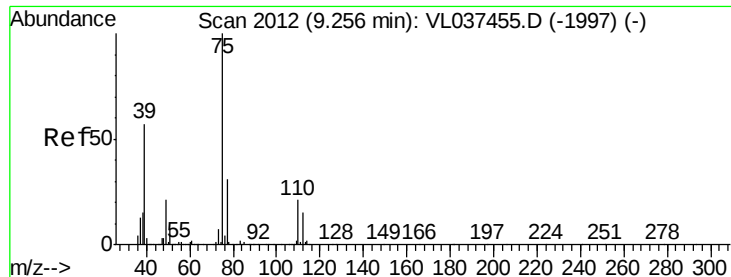
Tot Ion: 69 Resp: 1229437
Ion Ratio Lower Upper
69 100
41 150.4 118.6 178.0
100 35.2 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 9.381 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 57 Resp: 5683270
Ion Ratio Lower Upper
57 100
41 33.6 26.2 39.4
56 32.1 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 8.779 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

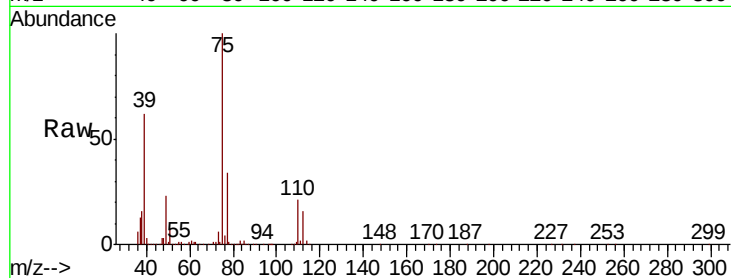
ClientSampled :

Tot Ion: 75 Resp: 829243

Ion Ratio Lower Upper

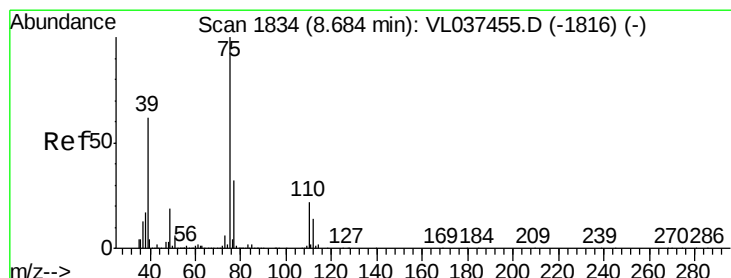
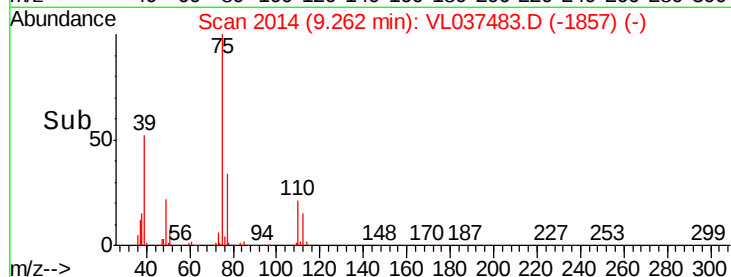
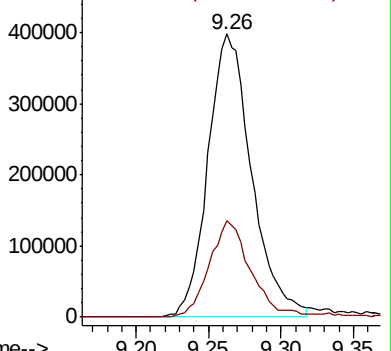
75 100

77 34.2 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: 8.483 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

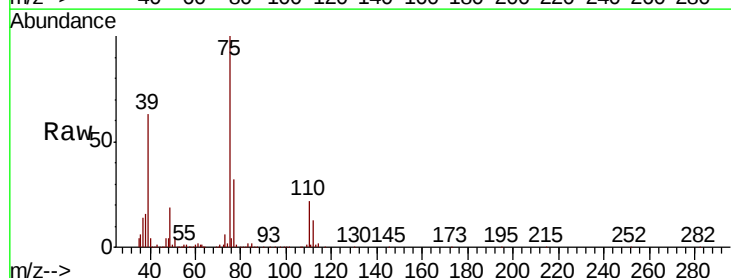
Tgt Ion: 75 Resp: 1117690

Ion Ratio Lower Upper

75 100

39 63.4 49.7 74.5

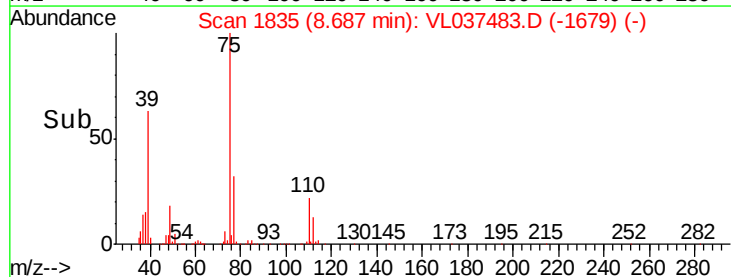
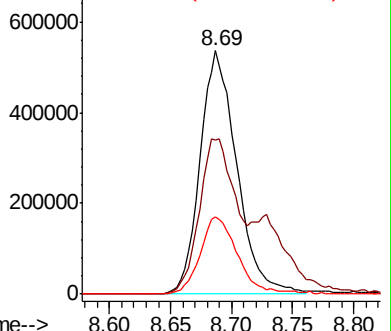
77 31.9 25.4 38.0

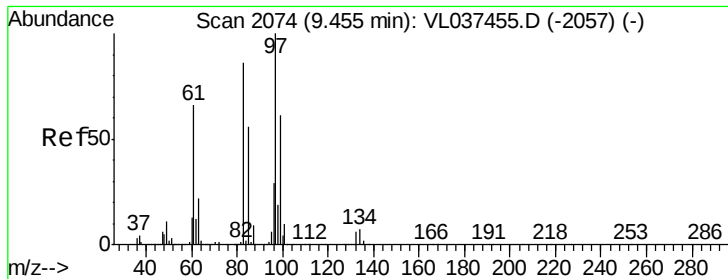


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



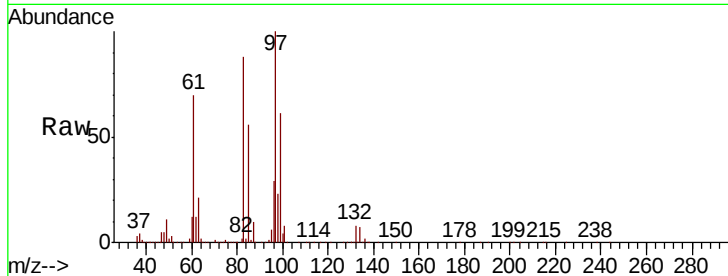


#47
 1,1,2-Trichloroethane
 Concen: 9.359 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1398782

Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.7	103.1
85	56.5	44.7	67.1
99	61.0	48.6	72.8



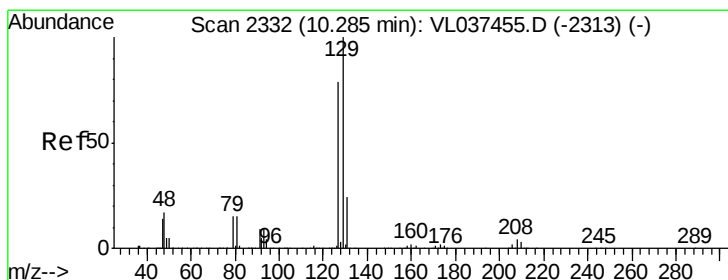
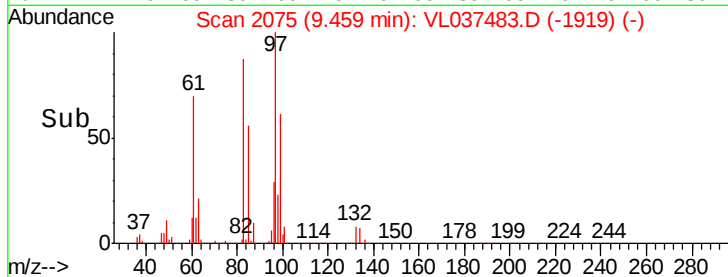
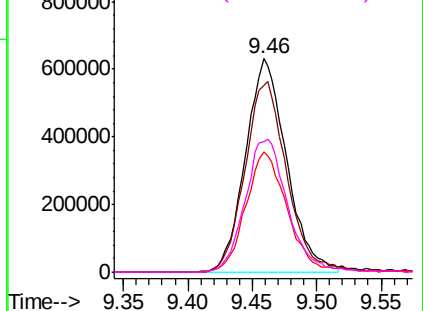
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

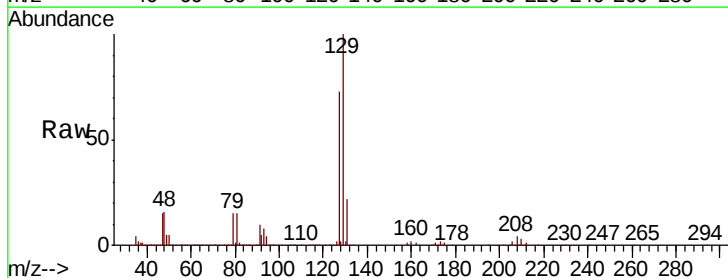
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.578 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 129 Resp: 2275243

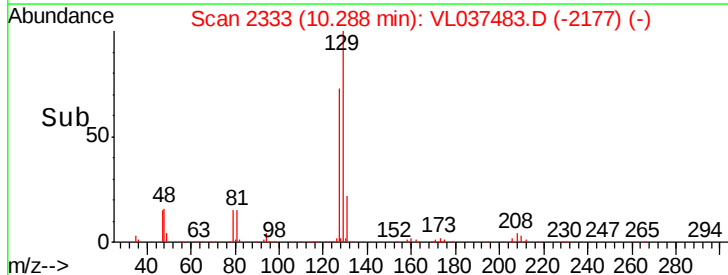
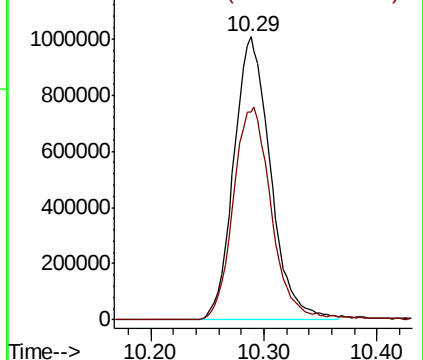
Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.0	120.0

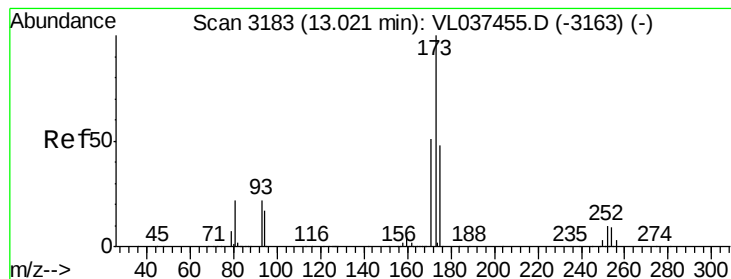


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.055 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

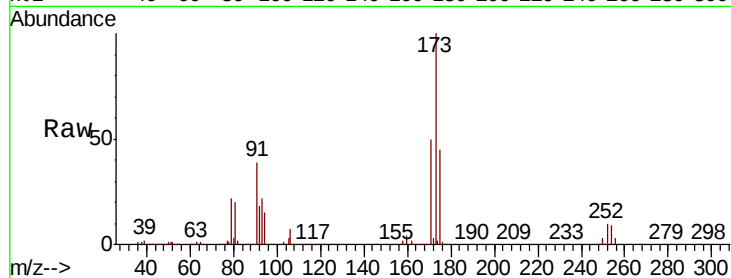
Tot Ion:173 Resp: 1874312

Ion Ratio Lower Upper

173 100

175 50.7 41.9 62.9

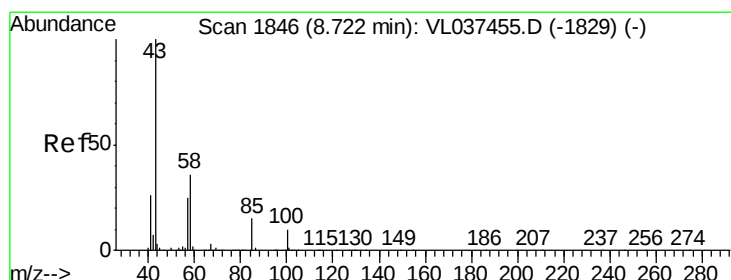
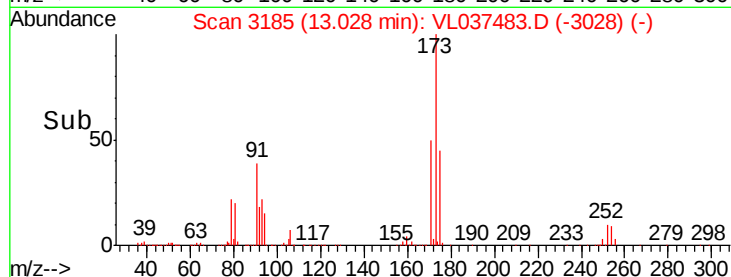
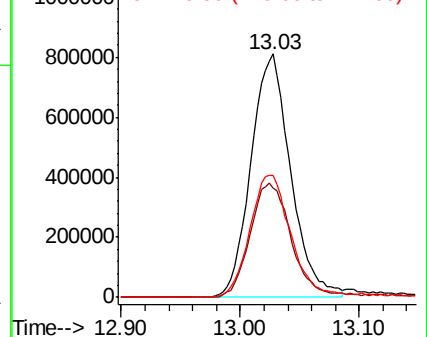
171 52.8 44.2 66.4



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: 10.027 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL037483.D

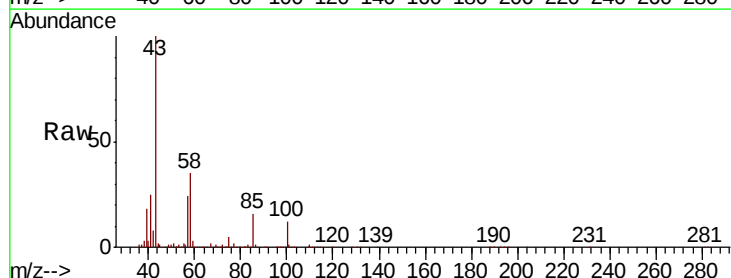
Acq: 17 Aug 2021 5:07

Tgt Ion: 43 Resp: 2287475

Ion Ratio Lower Upper

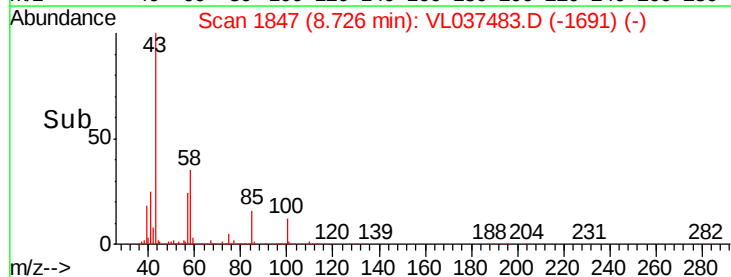
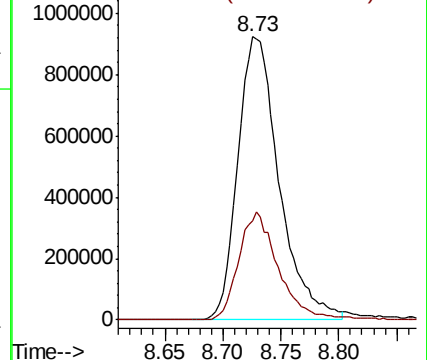
43 100

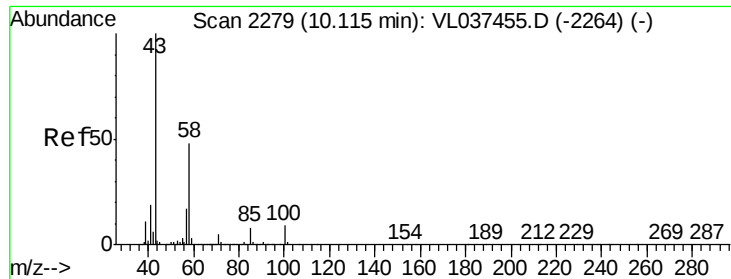
58 36.9 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

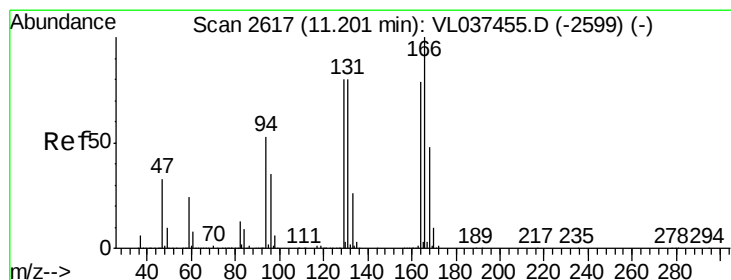
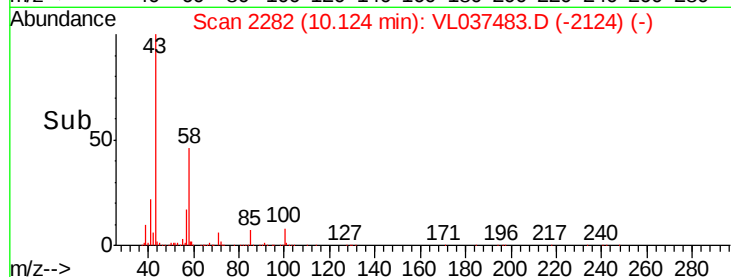
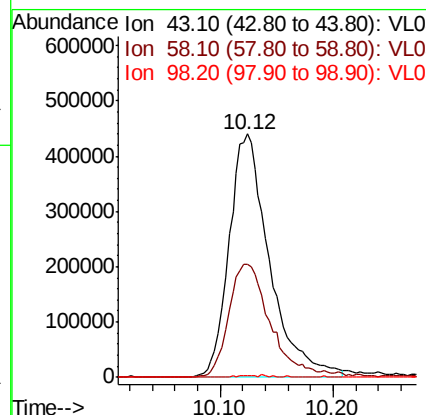
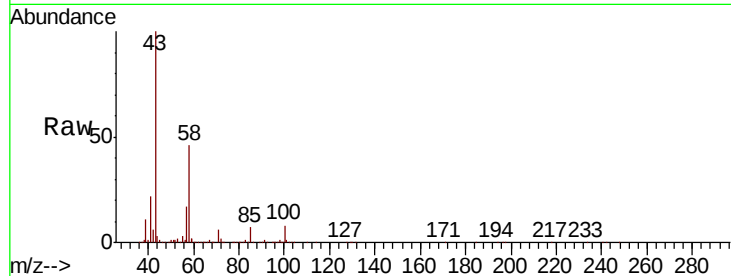




#51
2-Hexanone
Concen: 10.367 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

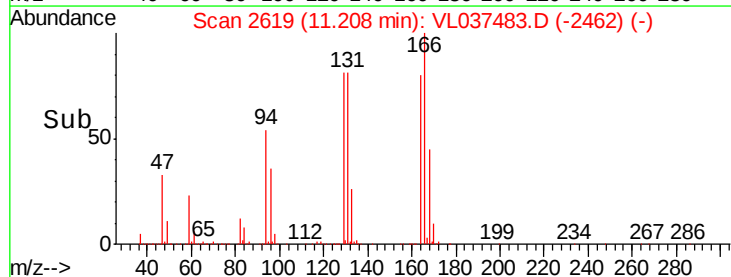
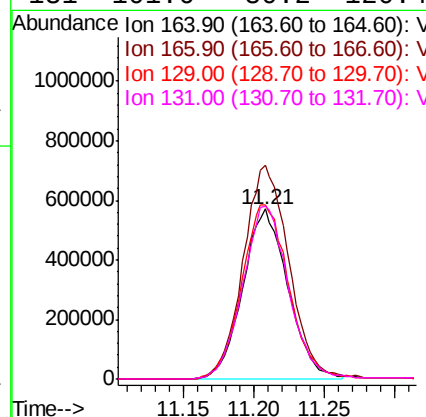
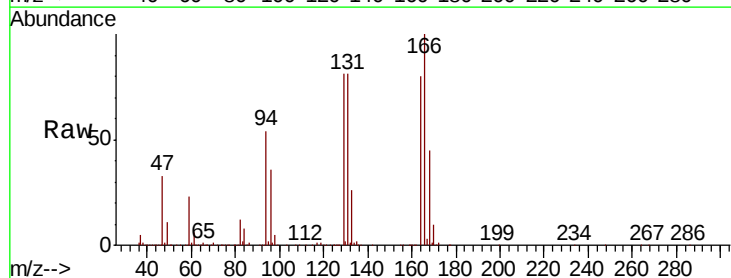
Instrument :
MSVOA_L
ClientSampled :

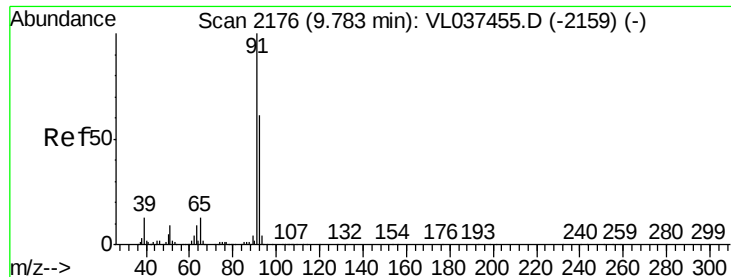
Tot Ion: 43 Resp: 1087849
Ion Ratio Lower Upper
43 100
58 49.7 41.0 61.6
98 0.7 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.617 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 164 Resp: 1271168
Ion Ratio Lower Upper
164 100
166 125.4 100.7 151.1
129 102.1 80.9 121.3
131 101.6 80.2 120.4





#53

Toluene

Concen: 9.788 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

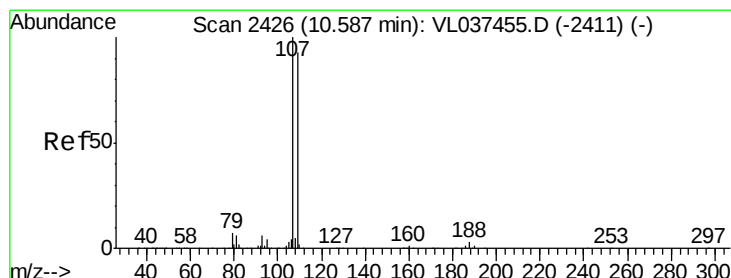
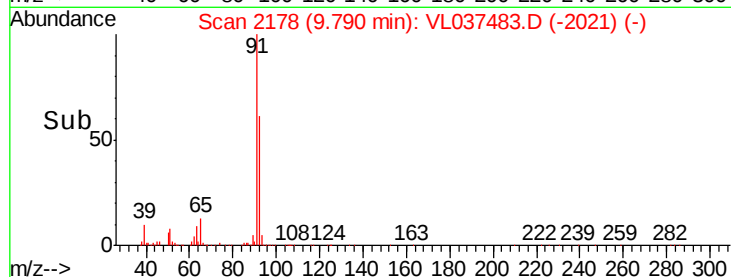
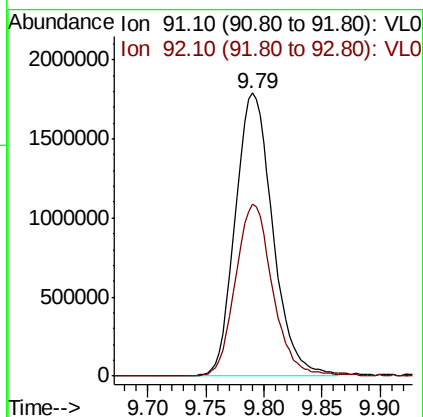
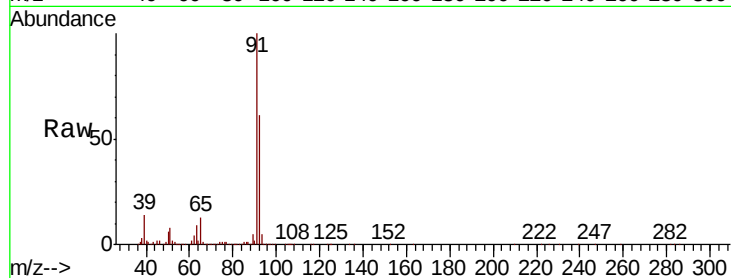
ClientSampleId :

Tot Ion: 91 Resp: 4023269

Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.649 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037483.D

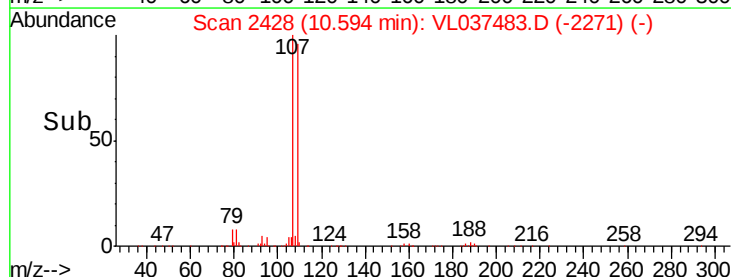
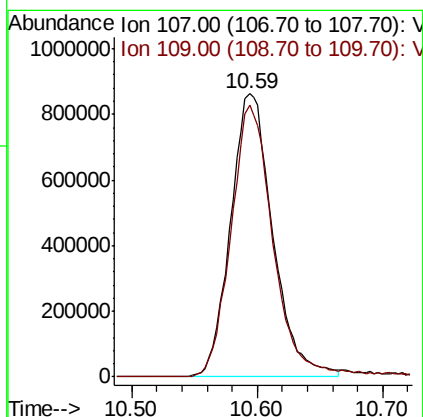
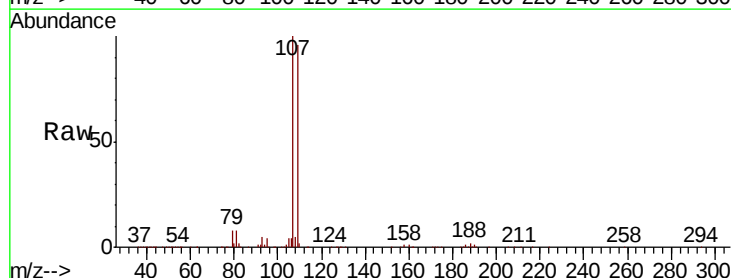
Acq: 17 Aug 2021 5:07

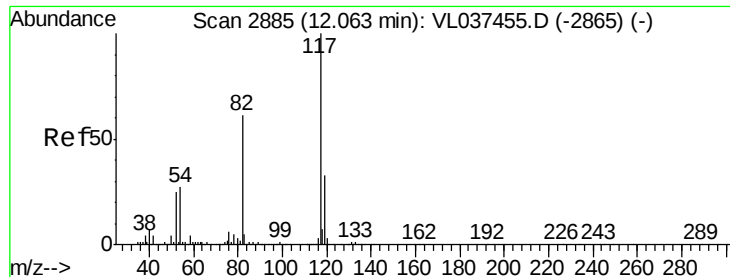
Tgt Ion: 107 Resp: 2013310

Ion Ratio Lower Upper

107 100

109 95.9 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

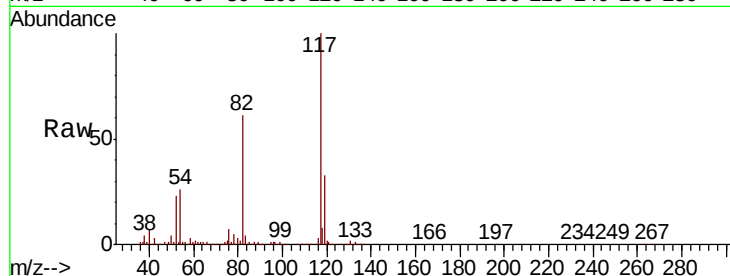
Tot Ion:117 Resp: 4867326

Ion Ratio Lower Upper

117 100

82 51.5 52.9 79.3#

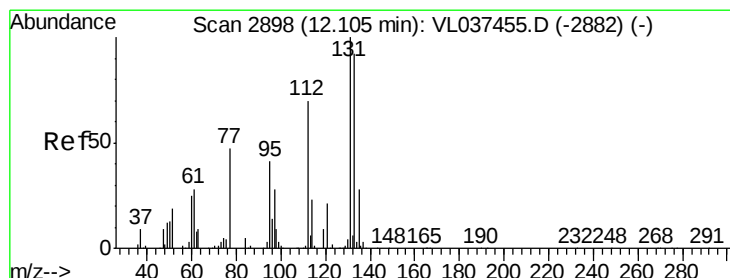
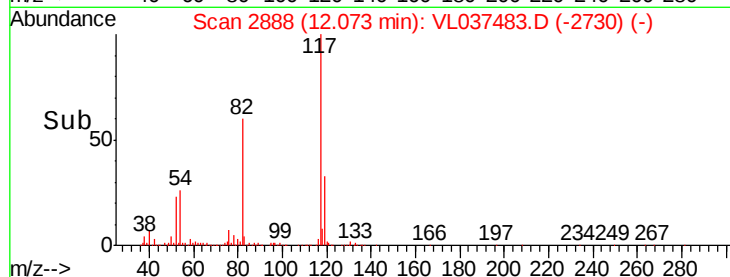
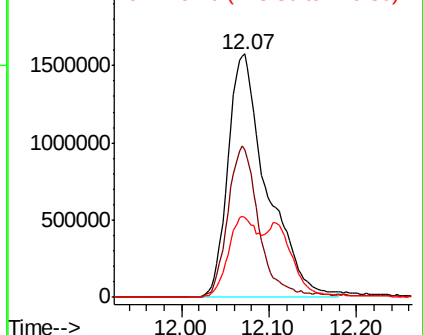
119 47.7 24.8 37.2#



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: 7.701 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

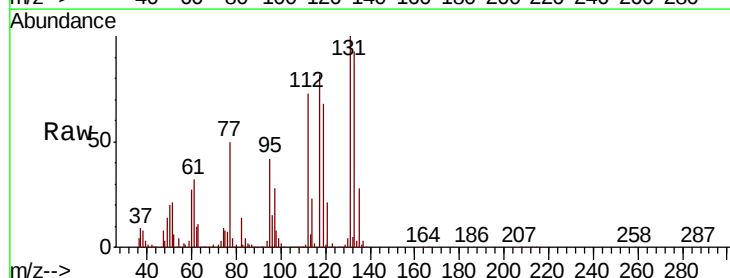
Tgt Ion:131 Resp: 1561791

Ion Ratio Lower Upper

131 100

133 98.5 78.7 118.1

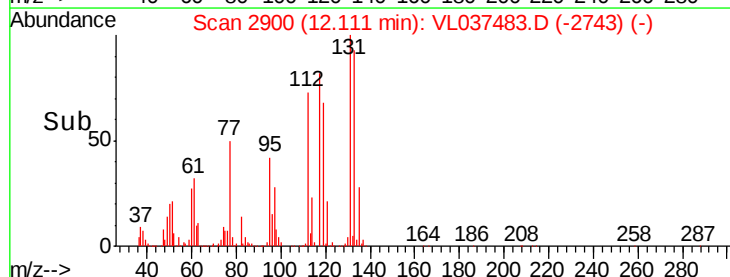
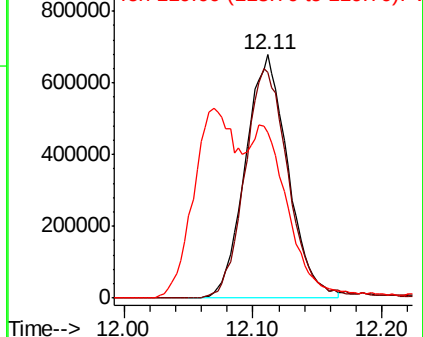
119 64.8 56.6 85.0

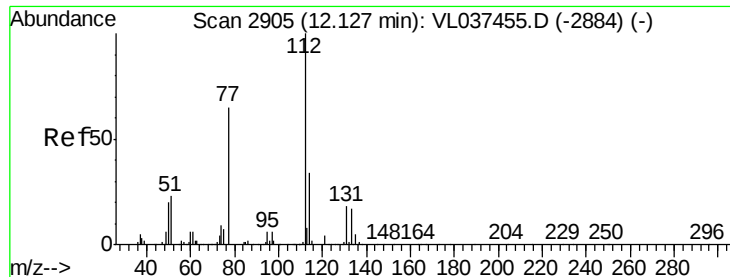


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

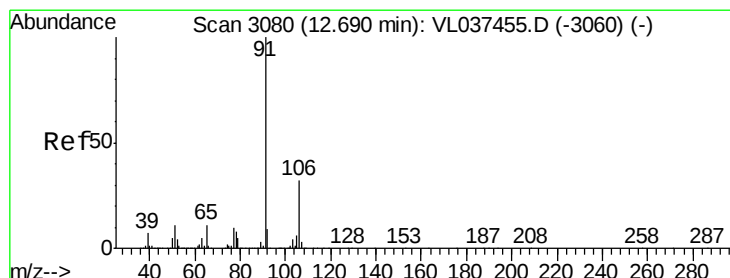
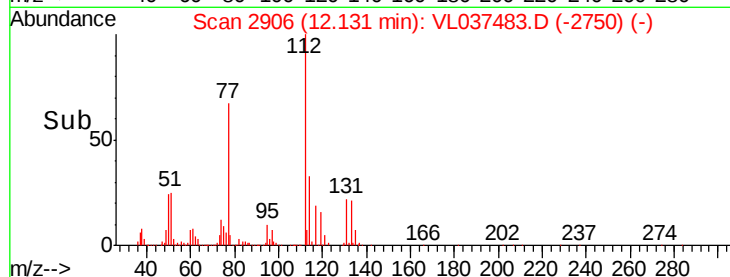
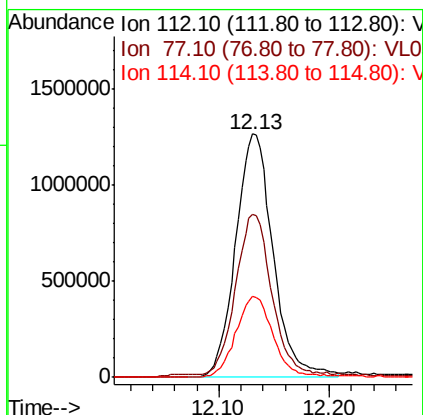
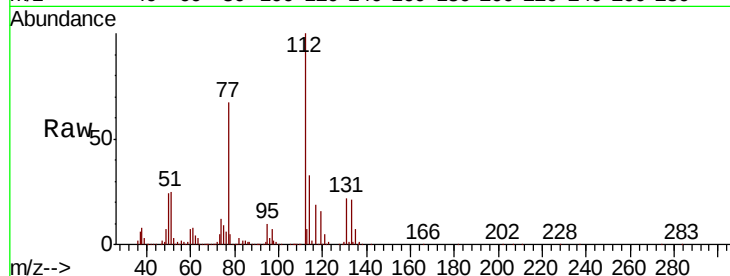




#57
Chlorobenzene
Concen: 7.360 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

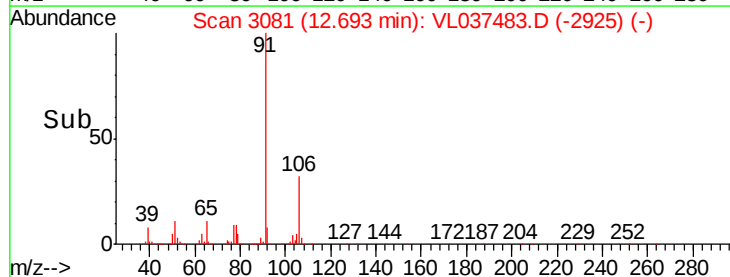
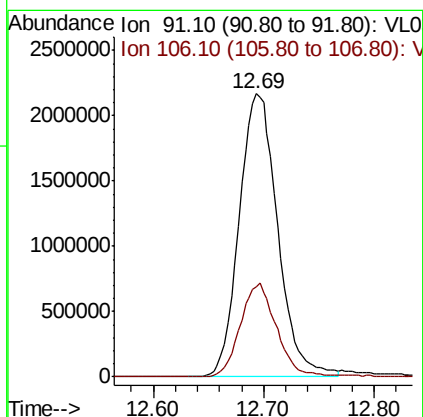
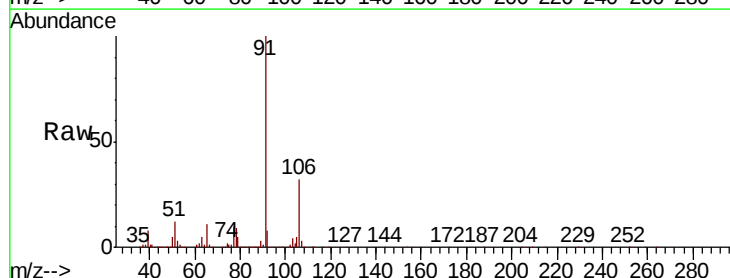
Instrument :
MSVOA_L
ClientSampleId :

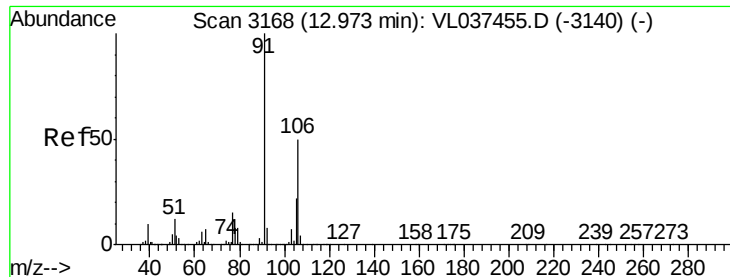
Tot Ion: 112 Resp: 2972785
Ion Ratio Lower Upper
112 100
77 65.3 51.6 77.4
114 33.4 30.7 37.5



#58
Ethyl Benzene
Concen: 7.784 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VL037483.D
Acq: 17 Aug 2021 5:07

Tgt Ion: 91 Resp: 5257848
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5





#59

m/p-Xylene

Concen: 7.206 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

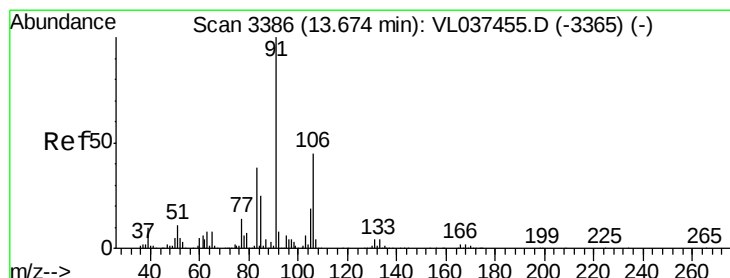
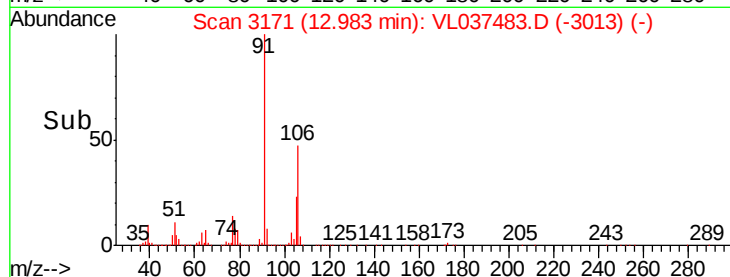
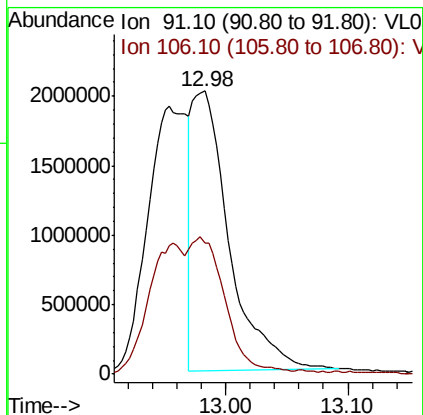
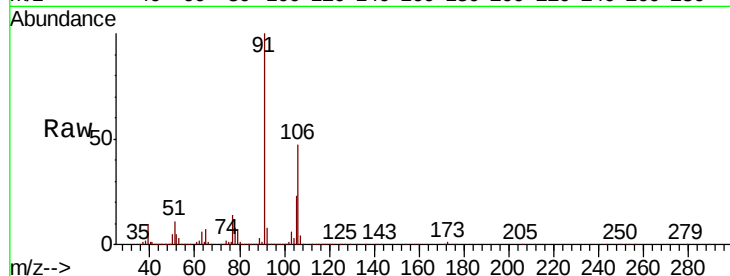
ClientSampled :

Tot Ion: 91 Resp: 4219811

Ion Ratio Lower Upper

91 100

106 96.3 36.9 55.3#



#60

o-Xylene

Concen: 7.602 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VL037483.D

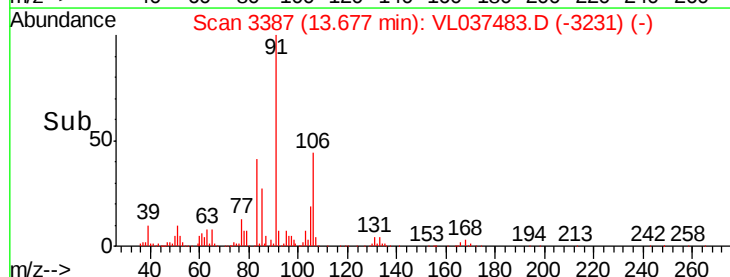
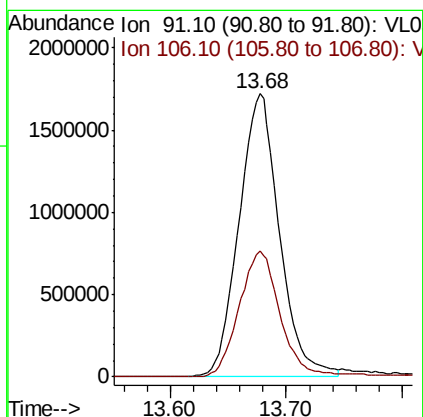
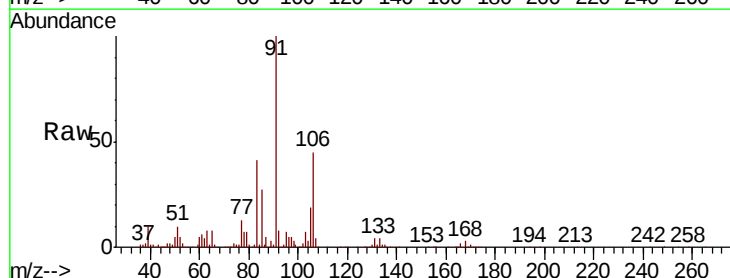
Acq: 17 Aug 2021 5:07

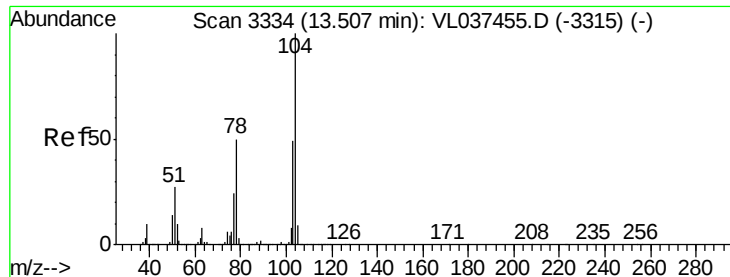
Tgt Ion: 91 Resp: 4154594

Ion Ratio Lower Upper

91 100

106 46.2 23.7 71.1





#61

Stvrene

Concen: 8.268 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

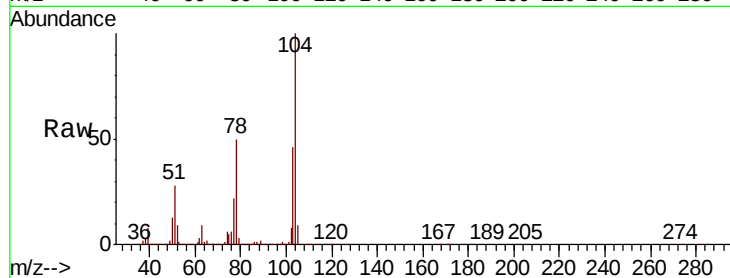
Tot Ion:104 Resp: 2347314

Ion Ratio Lower Upper

104 100

78 50.9 41.3 61.9

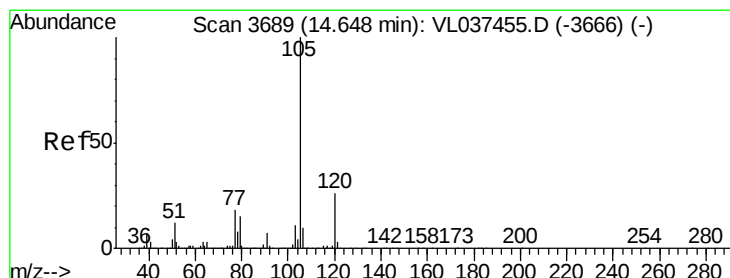
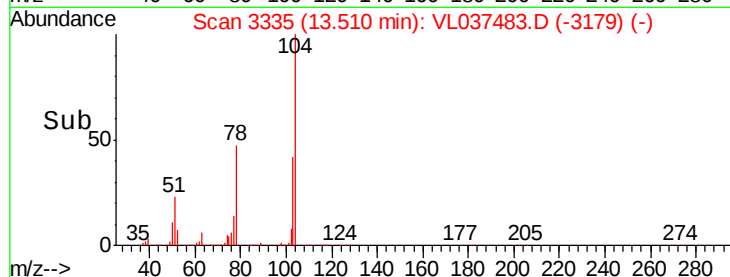
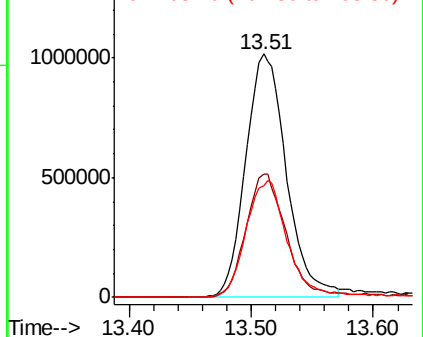
103 49.4 39.4 59.0



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: 7.628 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.00 min

Lab File: VL037483.D

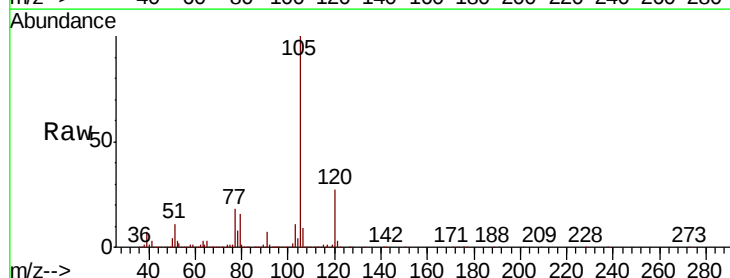
Acq: 17 Aug 2021 5:07

Tgt Ion:105 Resp: 5883812

Ion Ratio Lower Upper

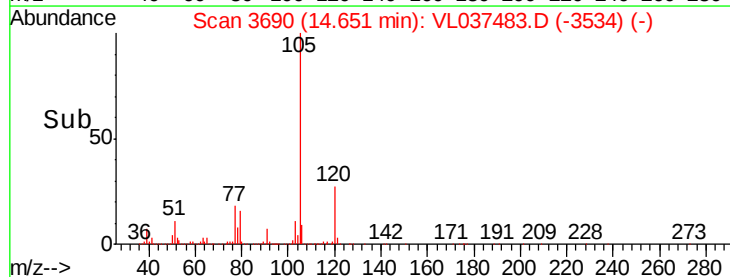
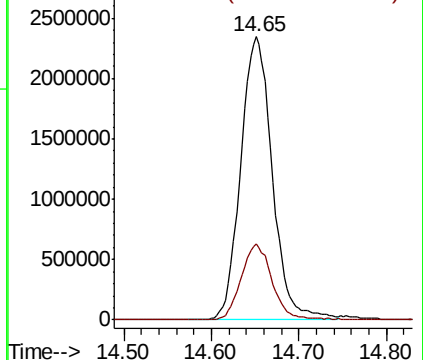
105 100

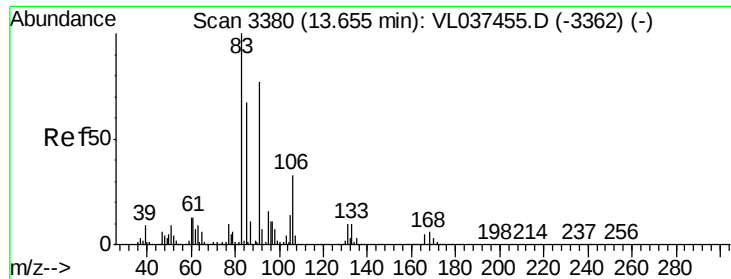
120 26.5 21.5 32.3



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: 7.352 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

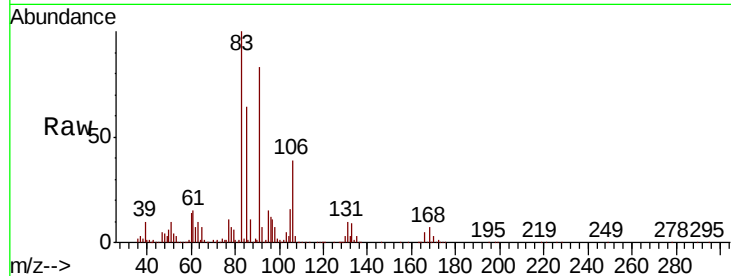
Tot Ion: 83 Resp: 2986528

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

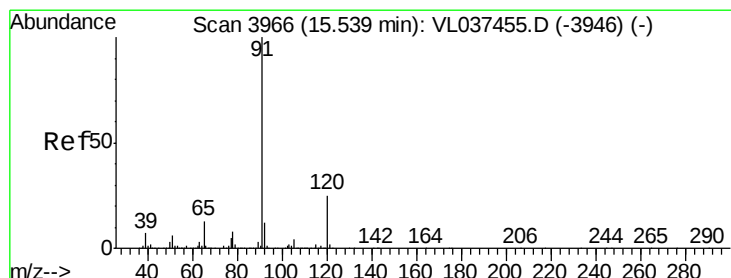
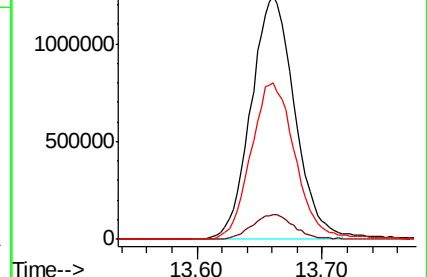
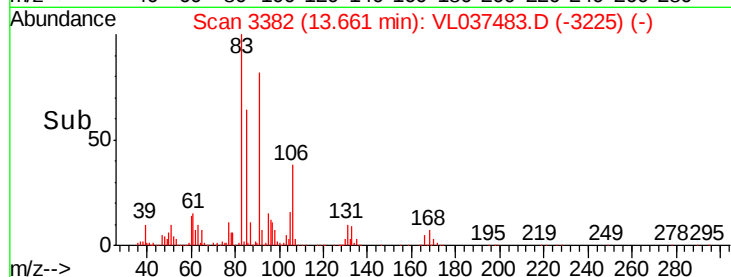
85 66.0 33.8 101.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.970 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL037483.D

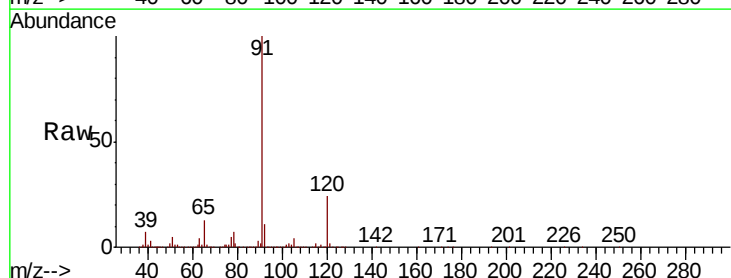
Acq: 17 Aug 2021 5:07

Tgt Ion:120 Resp: 1564538

Ion Ratio Lower Upper

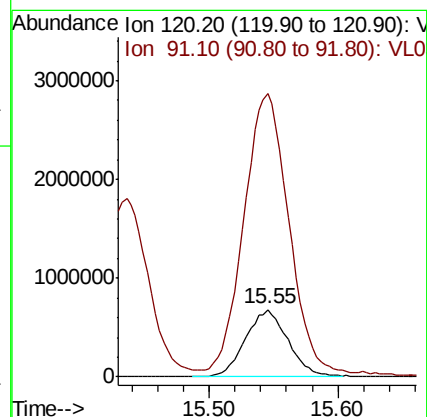
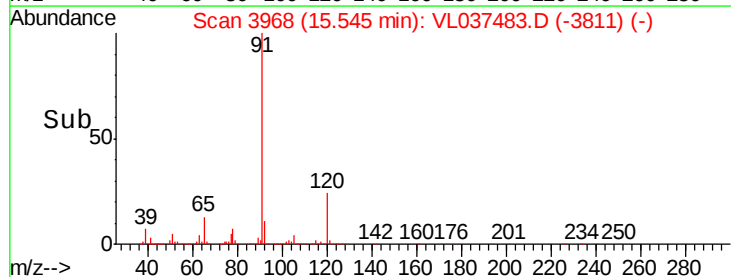
120 100

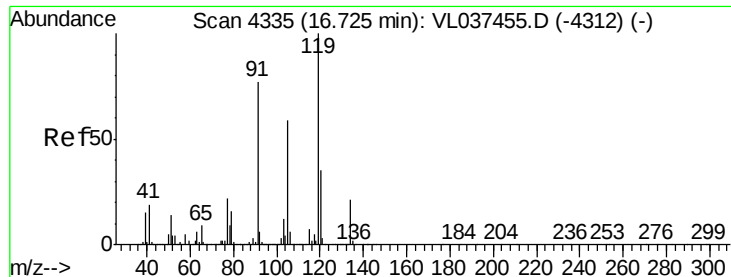
91 456.8 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.408 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

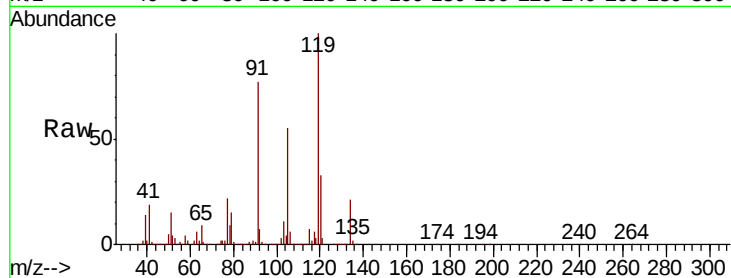
Tot Ion:119 Resp: 5204292

Ion Ratio Lower Upper

119 100

91 78.3 62.9 94.3

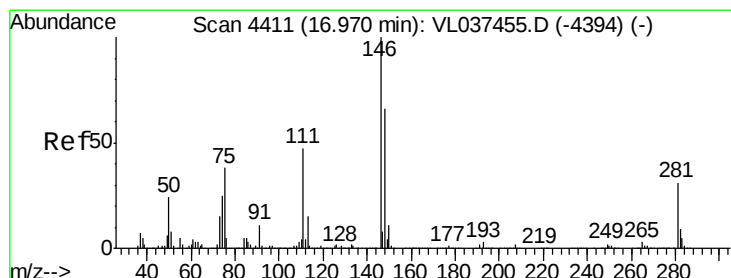
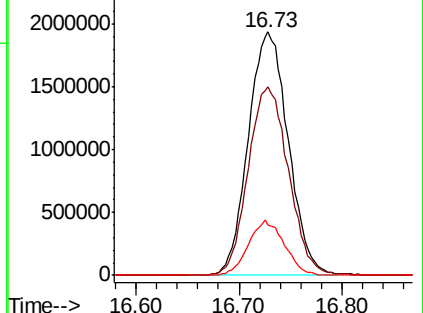
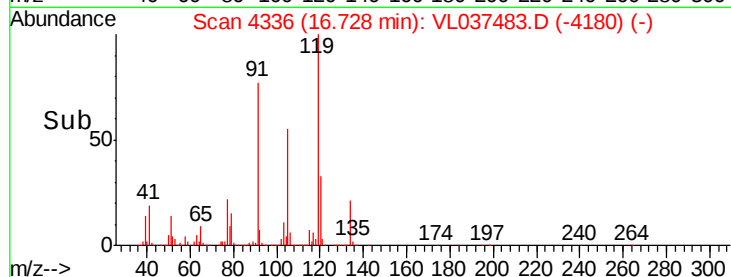
134 20.4 16.4 24.6



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: 8.722 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

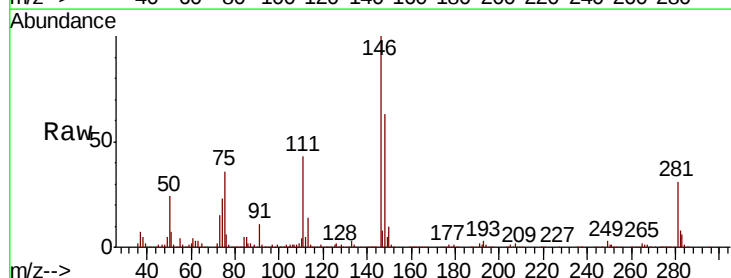
Tgt Ion: 91 Resp: 277165

Ion Ratio Lower Upper

91 100

126 19.6 15.9 23.9

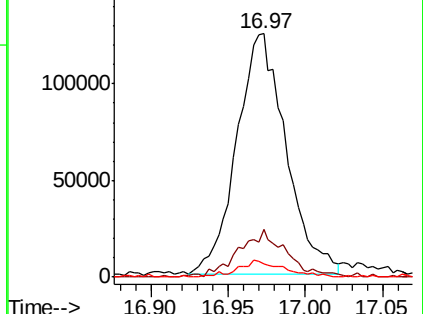
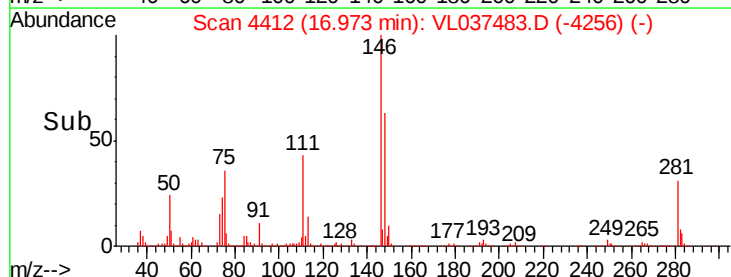
128 6.7 5.4 8.0

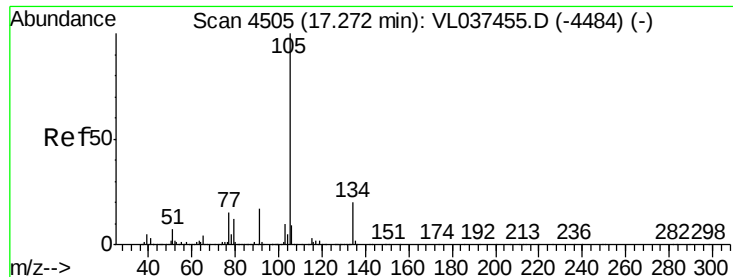


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.381 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

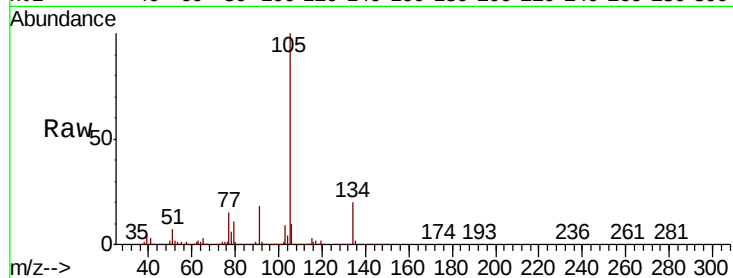
ClientSampleId :

Tot Ion:105 Resp: 7244929

Ion Ratio Lower Upper

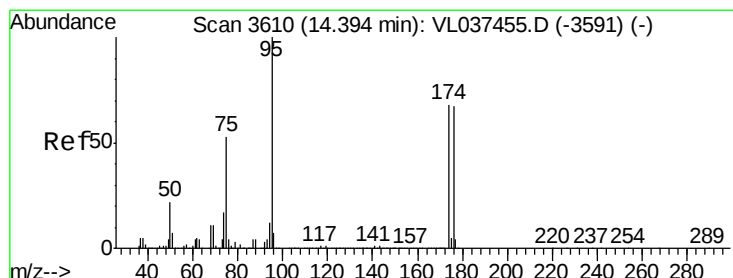
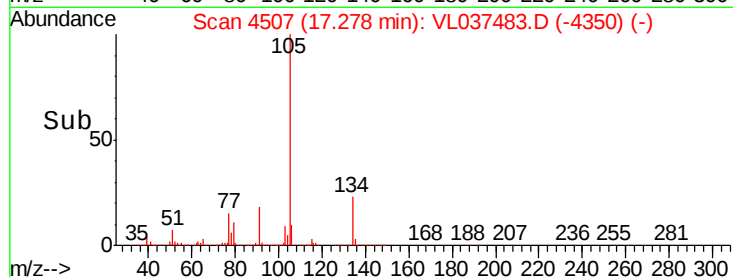
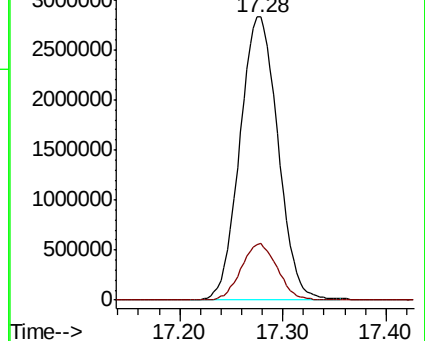
105 100

134 19.1 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: 8.399 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

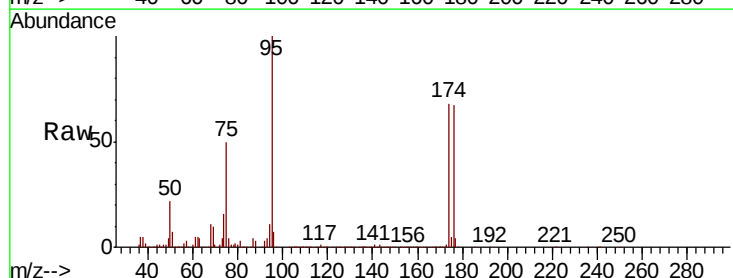
Tgt Ion: 95 Resp: 2904417

Ion Ratio Lower Upper

95 100

174 72.5 59.6 89.4

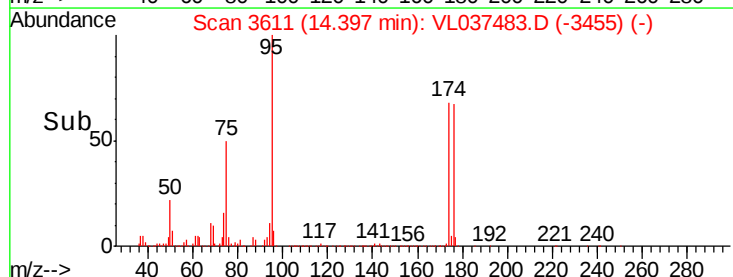
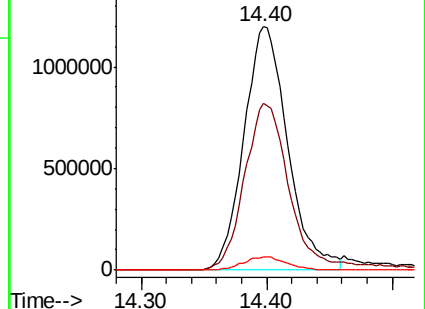
175 5.7 4.6 7.0

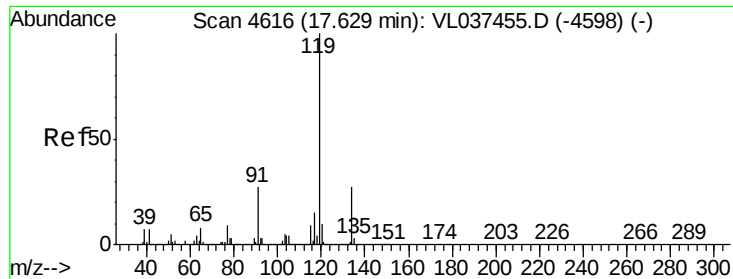


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

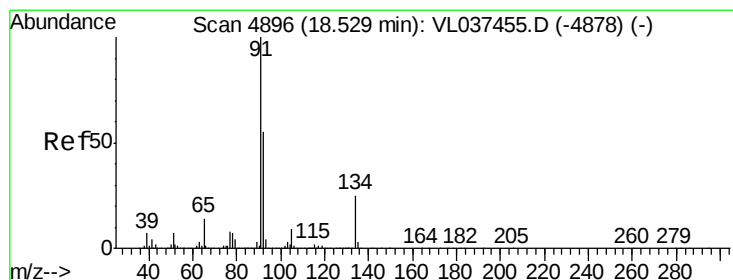
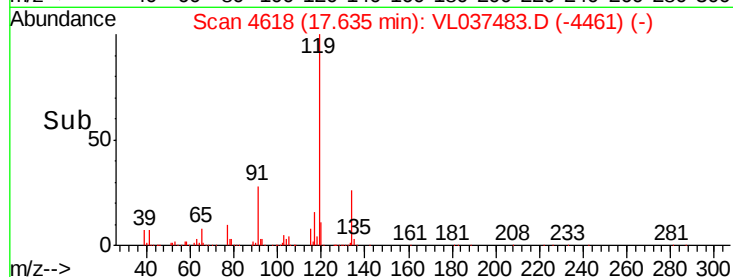
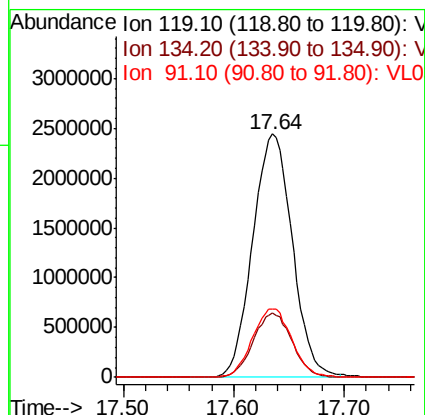
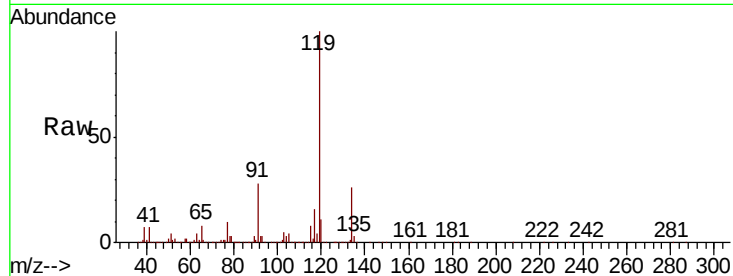




#69
 p-Isopropyltoluene
 Concen: 7.618 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

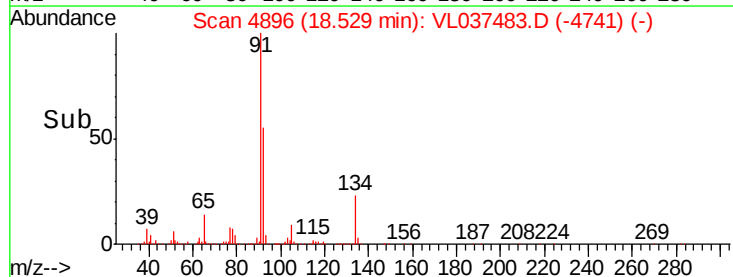
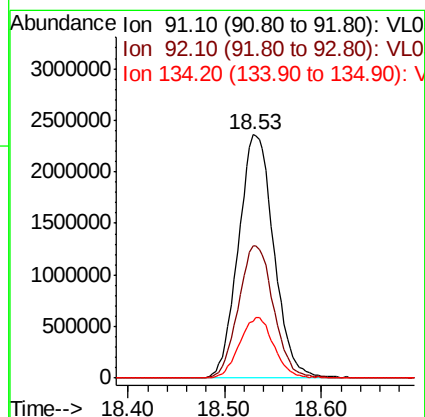
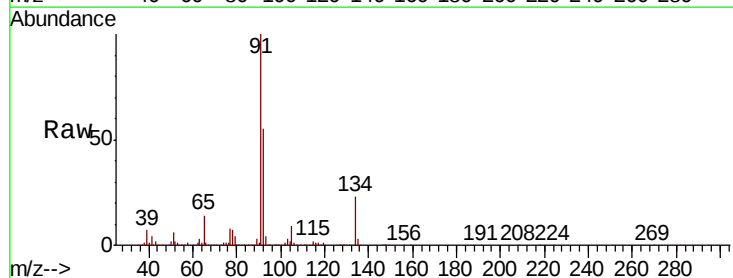
Instrument :
 MSVOA_L
 ClientSampleId :

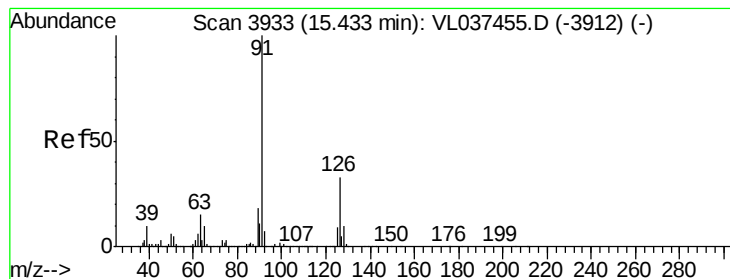
Tot Ion:119 Resp: 6093277
 Ion Ratio Lower Upper
 119 100
 134 26.0 21.1 31.7
 91 28.1 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.859 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion: 91 Resp: 6007249
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.0 66.0
 134 24.4 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.715 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

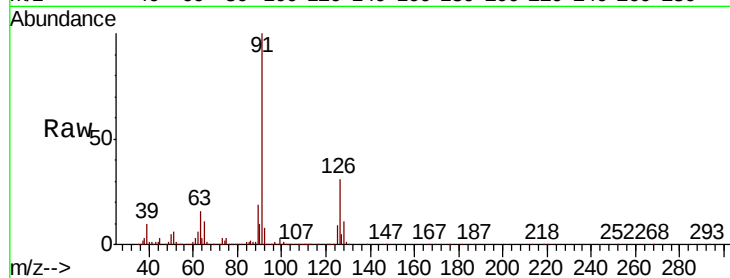
ClientSampleId :

Tot Ion: 91 Resp: 4363862

Ion Ratio Lower Upper

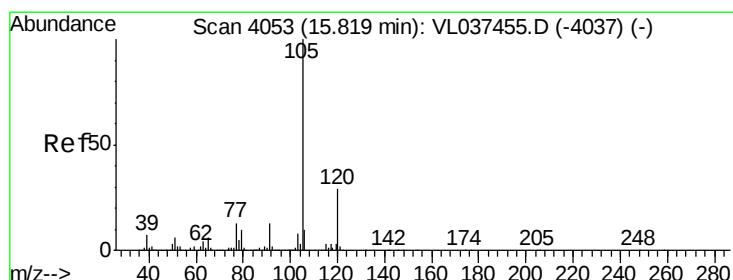
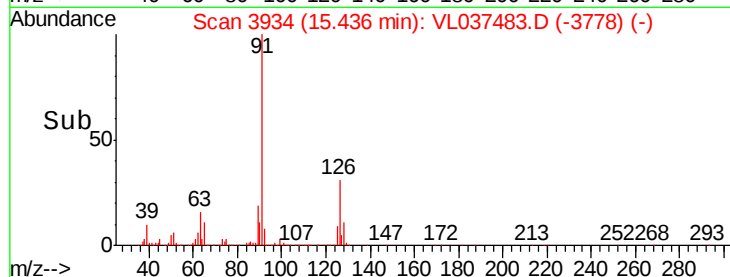
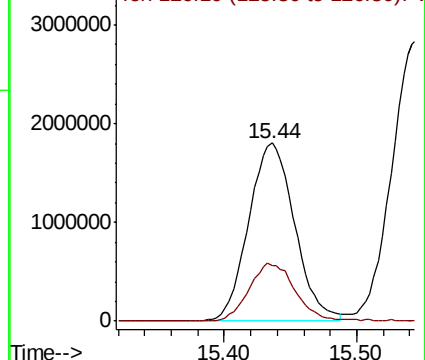
91 100

126 33.2 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: 7.694 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Tgt Ion:105 Resp: 5001662

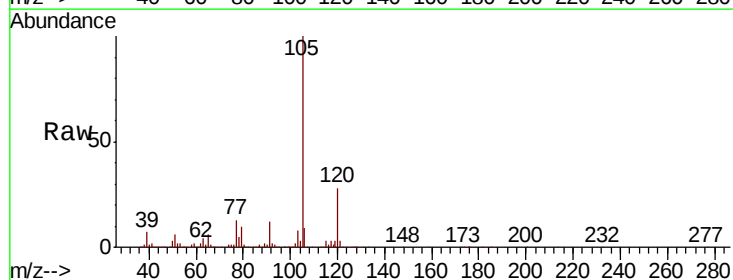
Ion Ratio Lower Upper

105 100

120 31.1 24.7 37.1

91 12.7 9.8 14.8

77 13.1 10.6 15.8

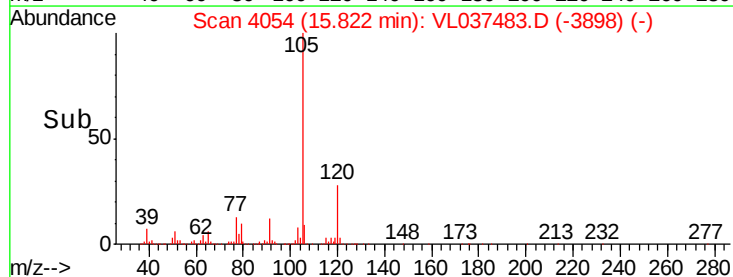
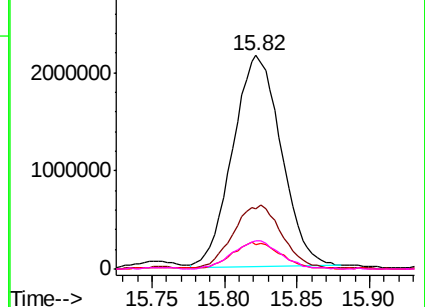


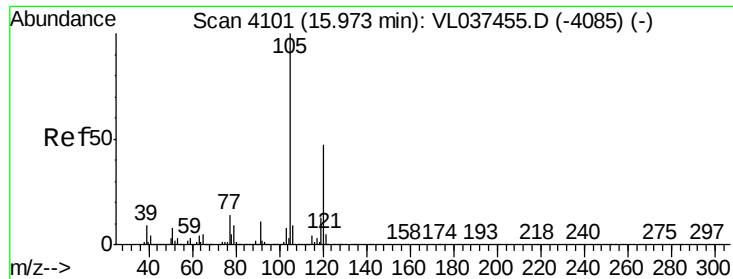
Abundance Ion 105.10 (104.80 to 105.80): V

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

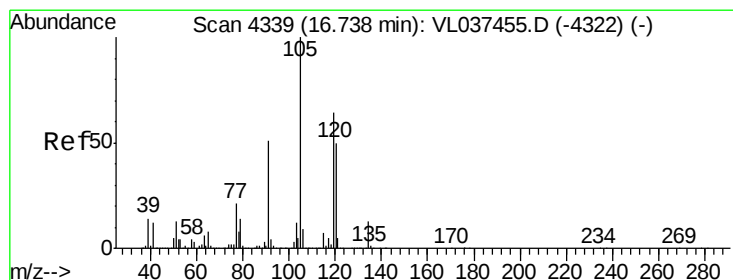
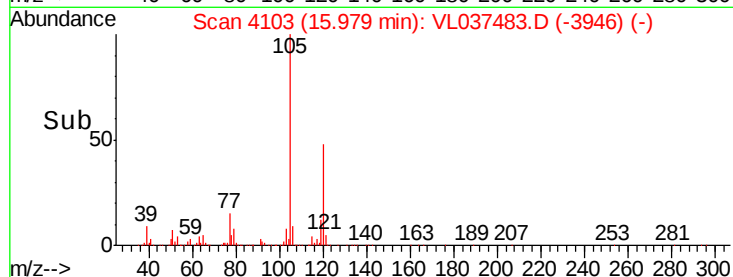
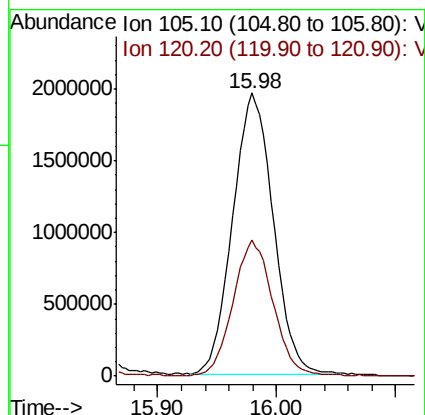
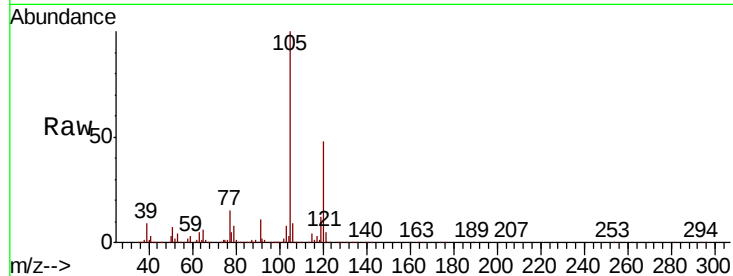




#73
 1,3,5-Trimethylbenzene
 Concen: 7.621 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

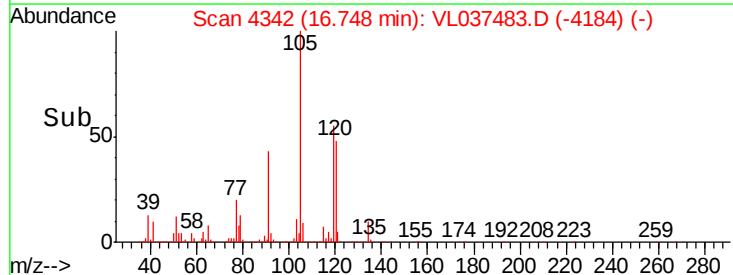
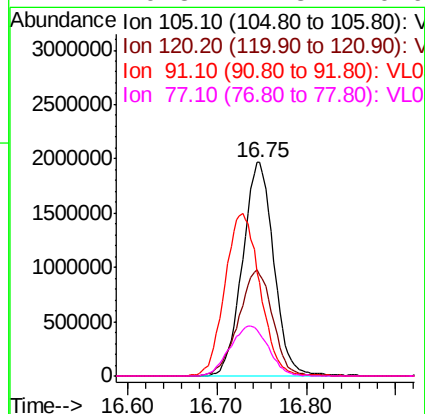
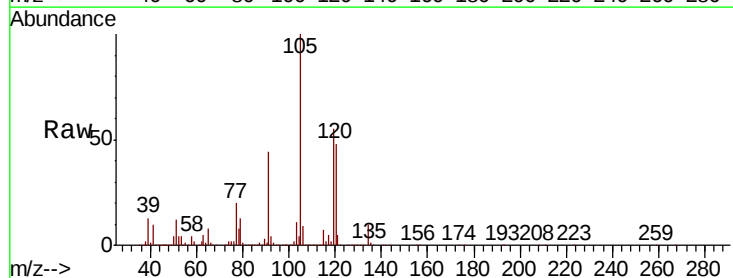
Instrument :
 MSVOA_L
 ClientSampled :

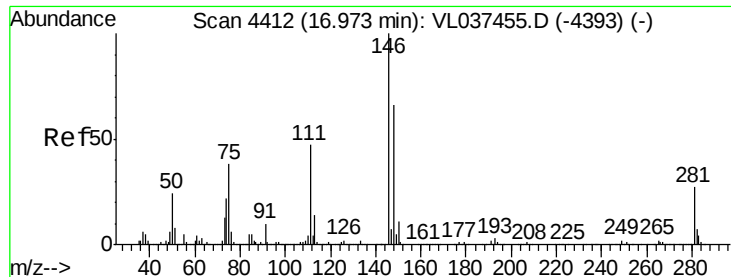
Tot Ion:105 Resp: 4611699
 Ion Ratio Lower Upper
 105 100
 120 48.3 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.418 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. 0.01 min
 Lab File: VL037483.D
 Acq: 17 Aug 2021 5:07

Tgt Ion:105 Resp: 4770007
 Ion Ratio Lower Upper
 105 100
 120 47.6 40.4 60.6
 91 43.2 44.6 67.0#
 77 19.8 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 7.441 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

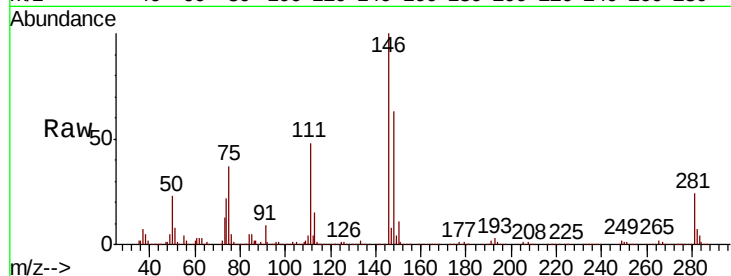
Tot Ion:146 Resp: 2879842

Ion Ratio Lower Upper

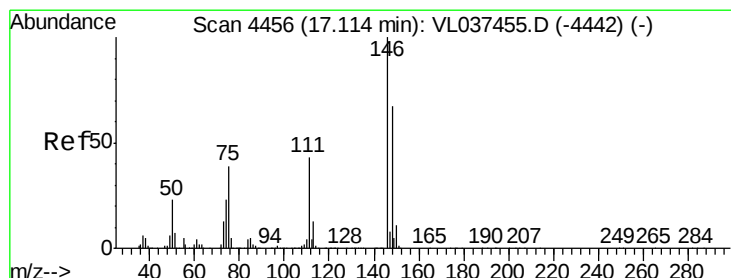
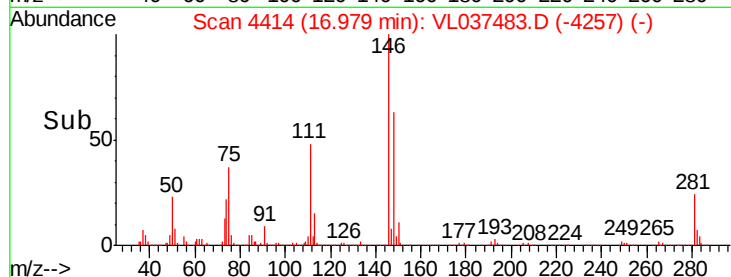
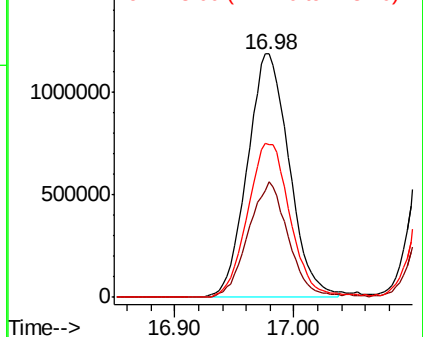
146 100

111 45.6 23.4 70.0

148 64.7 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: 7.203 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

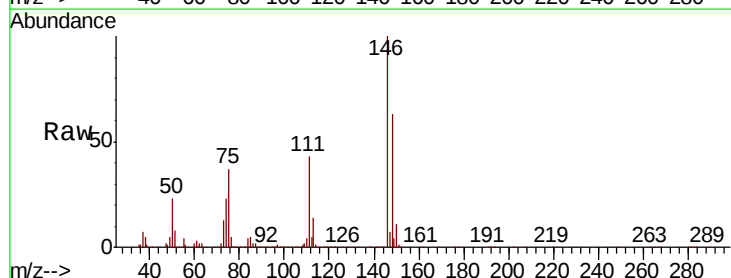
Tgt Ion:146 Resp: 2808701

Ion Ratio Lower Upper

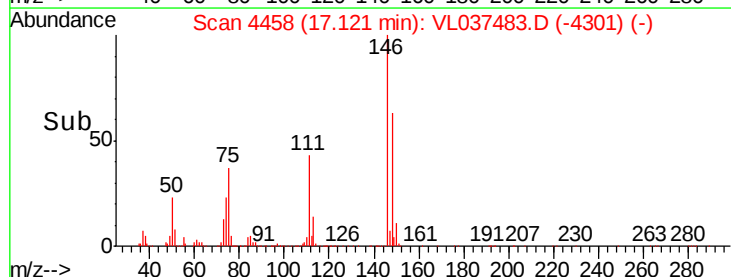
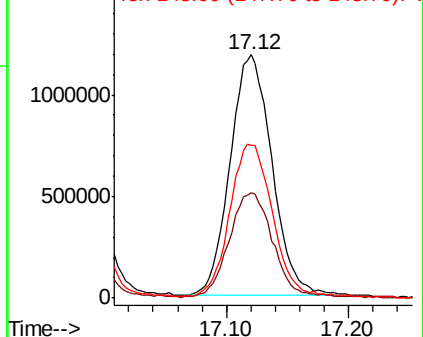
146 100

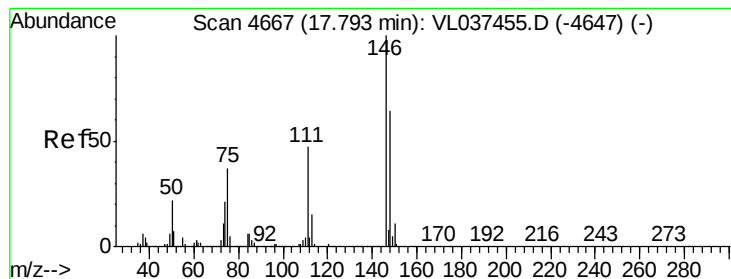
111 46.4 22.1 66.5

148 67.0 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: 7.364 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

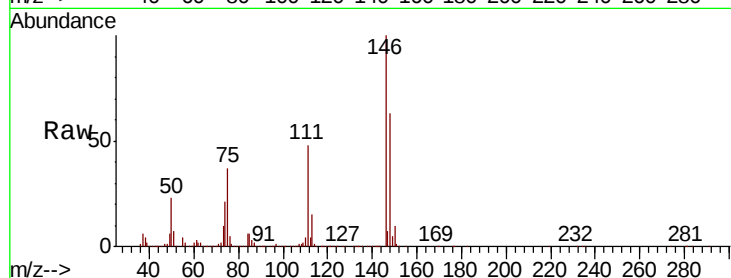
Tot Ion:146 Resp: 2806527

Ion Ratio Lower Upper

146 100

111 47.9 23.4 70.3

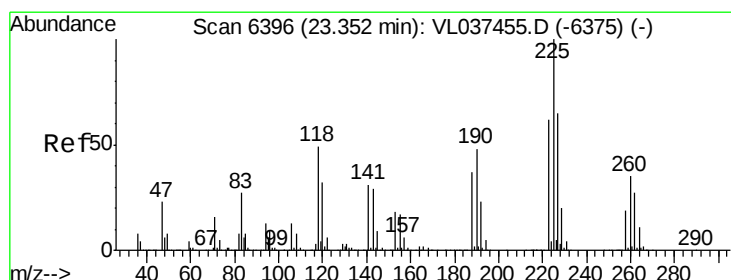
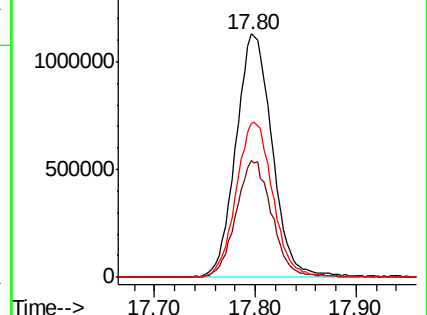
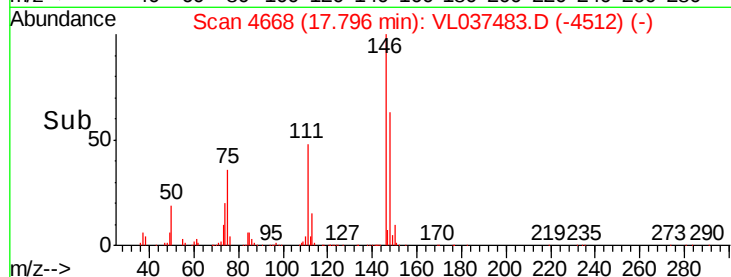
148 64.7 32.5 97.5



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: 6.746 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

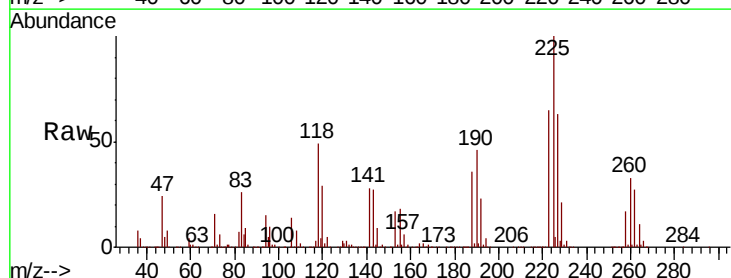
Tgt Ion:225 Resp: 2137800

Ion Ratio Lower Upper

225 100

223 64.5 51.4 77.0

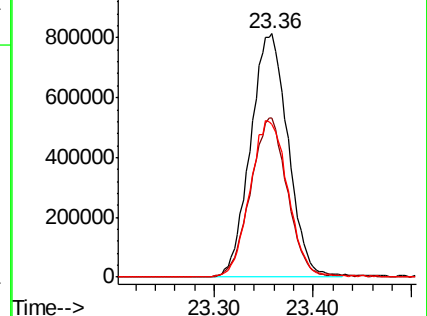
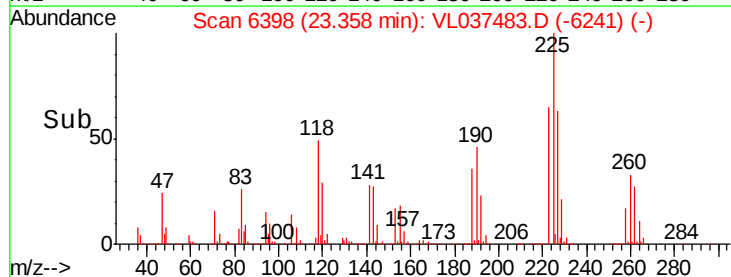
227 65.4 52.9 79.3

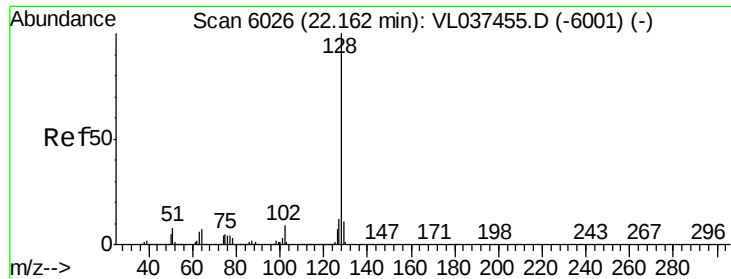


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.234 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

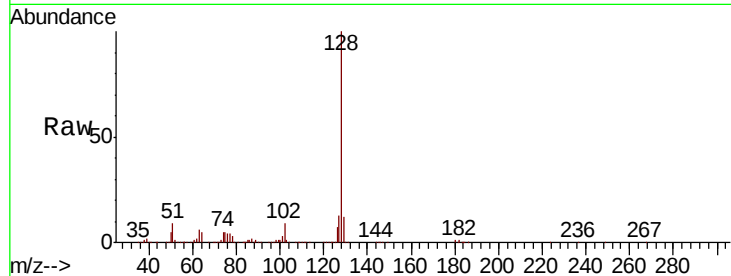
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3542914

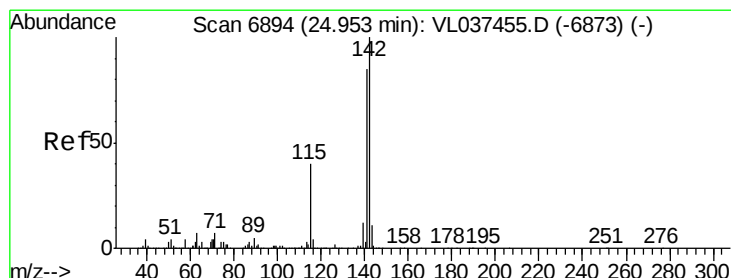
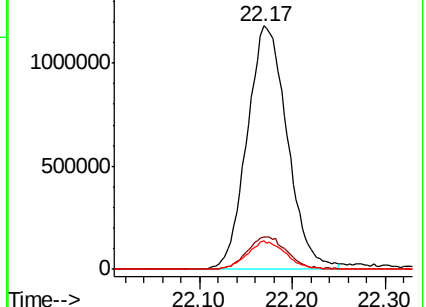
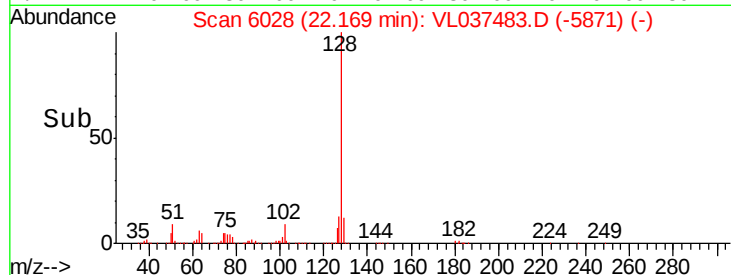
Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.4	14.2
129	11.6	8.8	13.2



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: 7.312 ppbv

RT: 24.95 min Scan# 6894

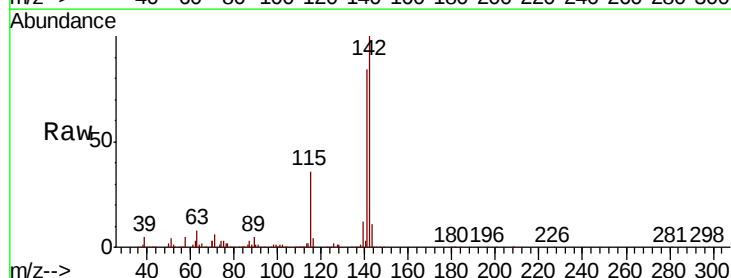
Delta R.T. -0.00 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Tgt Ion:142 Resp: 876622

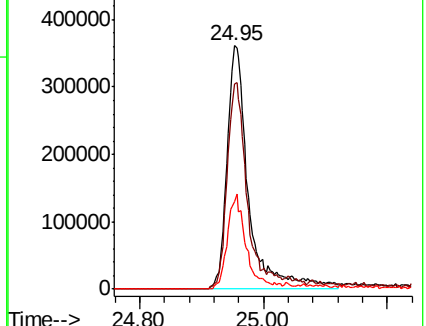
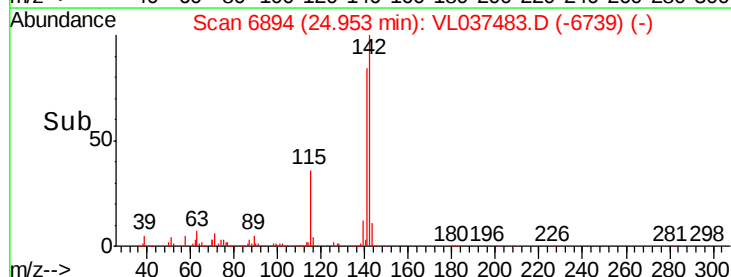
Ion	Ratio	Lower	Upper
142	100		
141	81.9	64.7	97.1
115	36.1	28.4	42.6

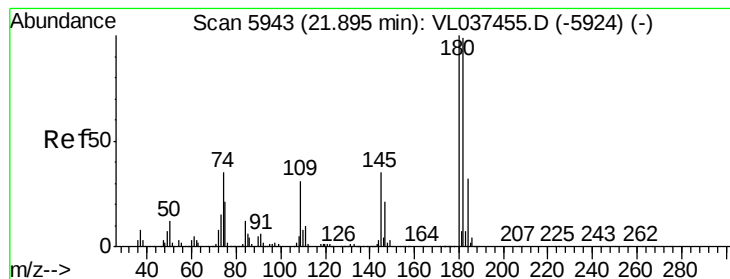


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.913 ppbv

RT: 21.91 min Scan# 5946

Delta R.T. 0.01 min

Lab File: VL037483.D

Acq: 17 Aug 2021 5:07

Instrument :

MSVOA_L

ClientSampleId :

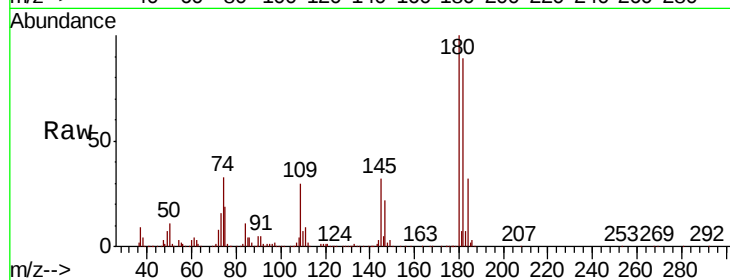
Tot Ion:180 Resp: 2136703

Ion Ratio Lower Upper

180 100

182 97.8 79.6 119.4

184 31.3 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

