

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037736.D
 Acq On : 30 Sep 2021 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Oct 01 01:19:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1260760	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3739324	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3251221	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2497169	10.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	1999463	8.764	ppbv	100
3) Chlorodifluoromethane	2.99	51	2543593	10.696	ppbv	99
4) Chloromethane	3.14	50	970754	11.049	ppbv	97
5) Vinyl Chloride	3.26	62	976374	11.831	ppbv	99
6) Bromomethane	3.47	94	518741	10.815	ppbv	100
7) Chloroethane	3.56	64	330899	10.729	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2170533	11.029	ppbv	99
9) Propene	3.01	41	952147	11.351	ppbv	96
10) Heptane	8.11	43	2331591	11.912	ppbv	100
11) Trichlorofluoromethane	3.95	101	1960146	10.702	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1499476	11.091	ppbv	98
13) Ethanol	3.61	45	40418	4.926	ppbv #	4
14) Bromoethene	3.74	108	682232	11.086	ppbv	98
15) Acetone	3.84	43	1194614	9.120	ppbv	99
16) 1,3-Butadiene	3.32	39	934648	11.419	ppbv	99
17) tert-Butyl alcohol	4.28	59	1219881	10.982	ppbv	97
18) 1,1-Dichloroethene	4.28	96	681273	10.817	ppbv	97
19) Isopropyl Alcohol	3.96	45	758370	10.640	ppbv #	97
20) Methylene Chloride	4.34	84	599397	9.585	ppbv	95
21) Allyl Chloride	4.41	41	1101201	11.253	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	706439	11.148	ppbv	97
23) Vinyl Acetate	5.07	43	2053107	11.327	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	1390301	10.707	ppbv	98
25) Ethyl Acetate	5.67	43	3586916	11.306	ppbv	99
26) Hexane	5.68	57	1696731	11.259	ppbv	98
27) Carbon Disulfide	4.55	76	1672091	12.128	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1461600	11.011	ppbv	99
29) Chloroform	5.74	83	2377502	10.804	ppbv	100
30) Cyclohexane	7.12	84	1443506	11.199	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1604043	11.724	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2265968	11.060	ppbv	99
34) 2-Butanone	5.24	43	1616862	10.640	ppbv	98
35) Carbon Tetrachloride	7.01	117	2366663	11.189	ppbv	99
36) Benzene	6.88	78	3550205	11.386	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1691497	11.030	ppbv	100
38) Trichloroethene	7.83	130	1375301	10.559	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1365173	11.431	ppbv	100
40) 1,4-Dioxane	7.83	88	173269	5.964	ppbv #	1
41) Tetrahydrofuran	6.04	42	839935	11.758	ppbv	98
42) Bromodichloromethane	7.78	83	2520971	11.470	ppbv	99
43) Methyl Methacrylate	8.01	69	1264149	12.187	ppbv	98

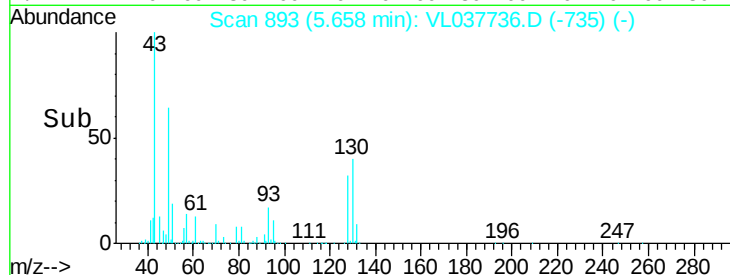
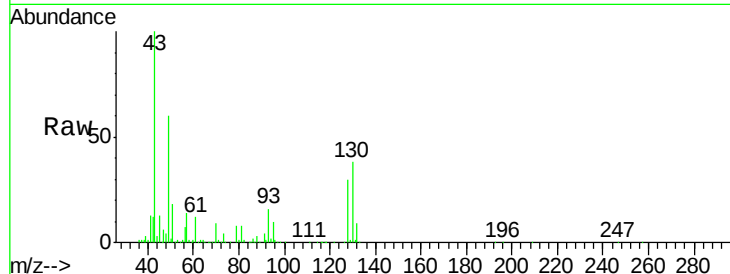
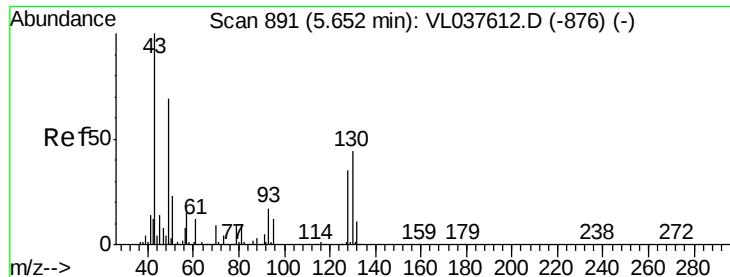
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5856036	11.171	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1141019	14.004	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1474639	13.398	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1415023	10.711	ppbv	98
48) Dibromochloromethane	10.29	129	2221603	12.054	ppbv	98
49) Bromoform	13.03	173	1021041	6.922	ppbv #	36
50) 4-Methyl-2-Pentanone	8.73	43	2317810	12.017	ppbv	99
51) 2-Hexanone	10.12	43	1097974	12.903	ppbv #	98
52) Tetrachloroethene	11.21	164	1307226	10.920	ppbv	98
53) Toluene	9.80	91	4114882	11.873	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2032787	11.238	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1519512	11.267	ppbv	96
57) Chlorobenzene	12.13	112	2990449	11.064	ppbv	99
58) Ethyl Benzene	12.70	91	5190533	12.027	ppbv	99
59) m/p-Xylene	12.99	91	4947029	13.153	ppbv #	47
60) o-Xylene	13.68	91	4009898	11.202	ppbv	98
61) Styrene	13.52	104	2348852	13.307	ppbv	99
62) Isopropylbenzene	14.65	105	5640076	11.278	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2917965	10.416	ppbv	100
64) n-propylbenzene	15.55	120	1554596	12.047	ppbv	92
65) tert-Butylbenzene	16.73	119	4976964	11.038	ppbv	99
66) Benzyl Chloride	16.97	91	351422	14.262	ppbv	99
67) sec-Butylbenzene	17.28	105	6976335	11.404	ppbv	99
69) p-Isopropyltoluene	17.64	119	5840694	11.687	ppbv	100
70) n-Butylbenzene	18.54	91	5679114	12.010	ppbv	100
71) 2-Chlorotoluene	15.44	91	4228829	11.800	ppbv	98
72) 4-Ethyltoluene	15.82	105	4918131	11.968	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4385726	11.450	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4576663	11.344	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2844854	11.350	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2757684	11.155	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2720473	11.443	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1965756	9.824	ppbv	99
79) Naphthalene	22.18	128	3291875	13.289	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	999422	17.652	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1952081	12.274	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

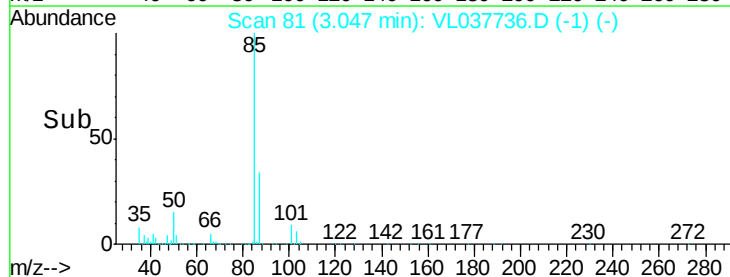
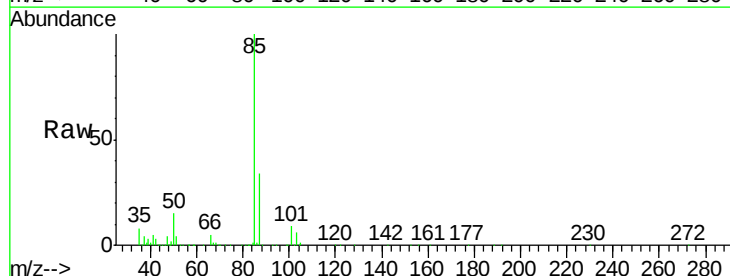
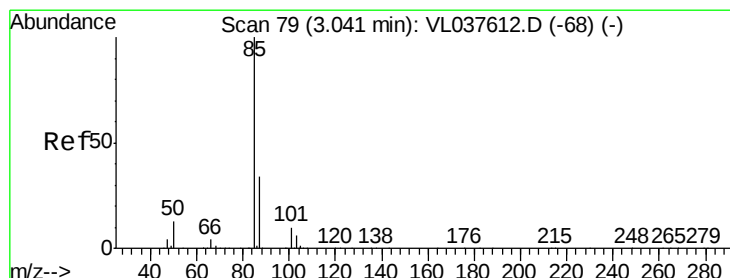
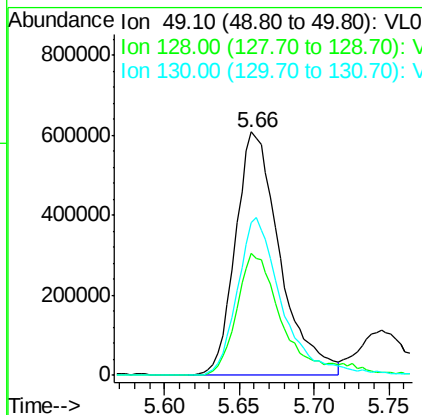
Tgt Ion: 49 Resp: 1260760

Ion Ratio Lower Upper

49 100

128 54.2 27.9 83.6

130 66.0 33.9 101.7



#2

Dichlorodifluoromethane

Concen: 8.764 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037736.D

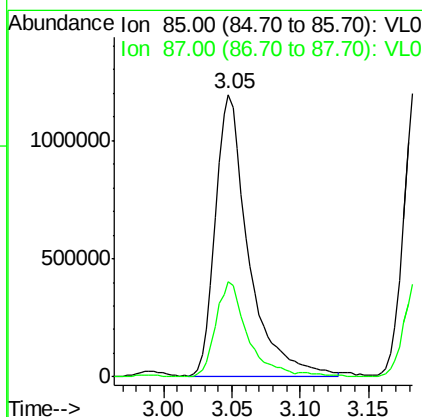
Acq: 30 Sep 2021 10:36

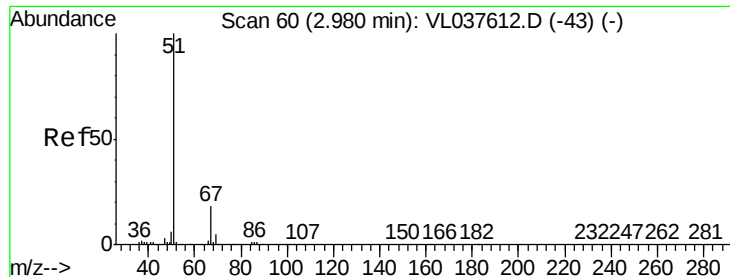
Tgt Ion: 85 Resp: 1999463

Ion Ratio Lower Upper

85 100

87 33.8 26.8 40.2





#3

Chlorodifluoromethane

Concen: 10.696 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

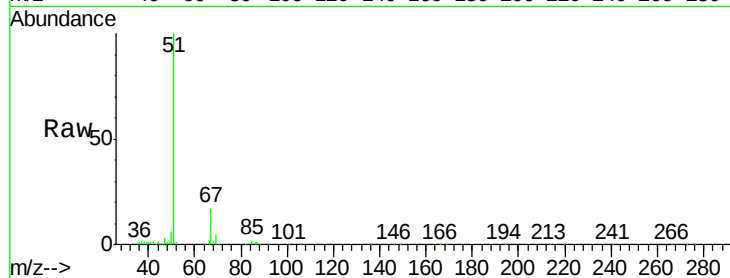
VSTDCCC010EC

Tgt Ion: 51 Resp: 2543593

Ion Ratio Lower Upper

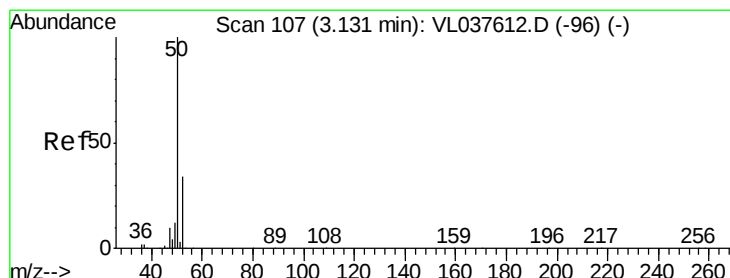
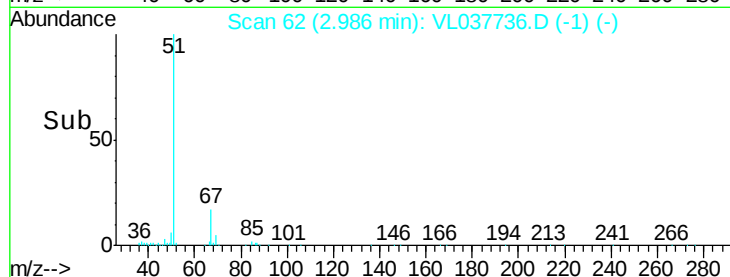
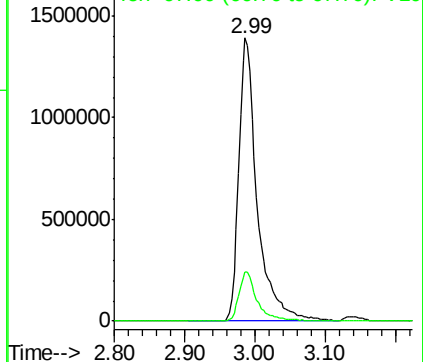
51 100

67 17.3 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.049 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037736.D

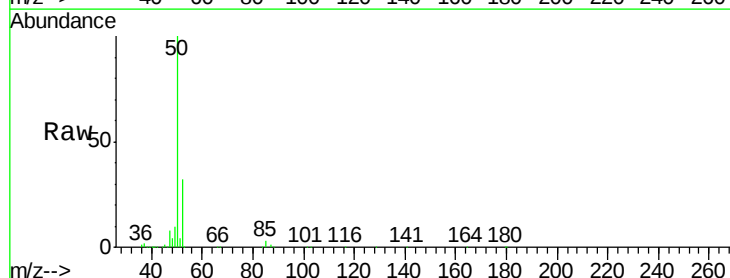
Acq: 30 Sep 2021 10:36

Tgt Ion: 50 Resp: 970754

Ion Ratio Lower Upper

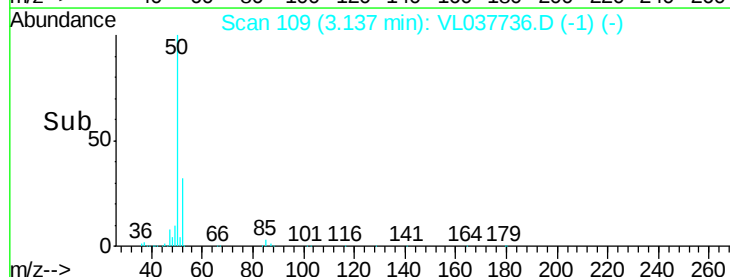
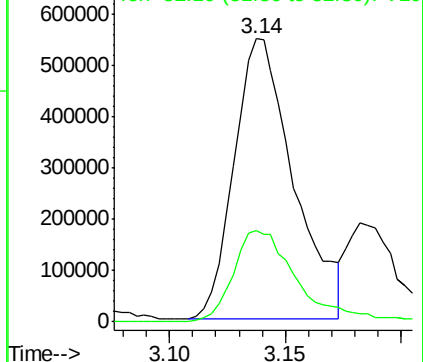
50 100

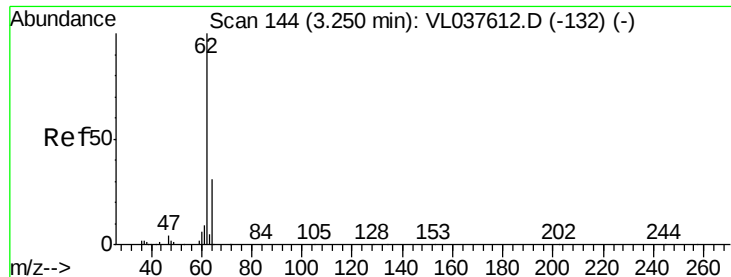
52 32.4 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.831 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

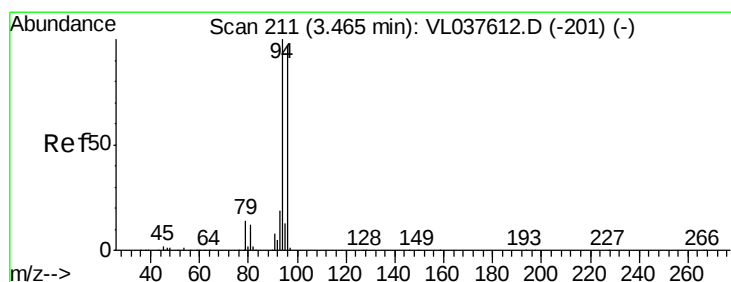
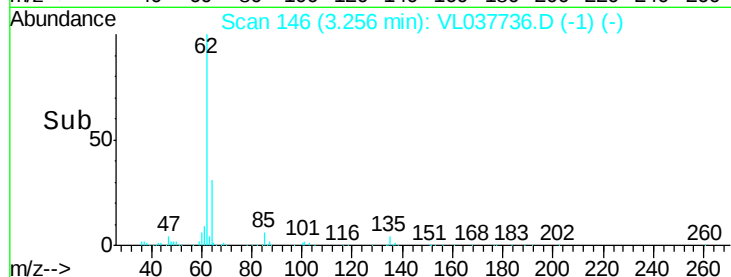
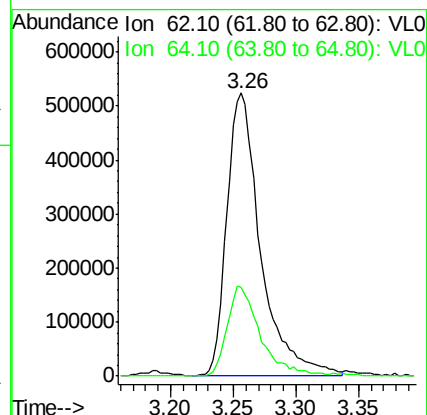
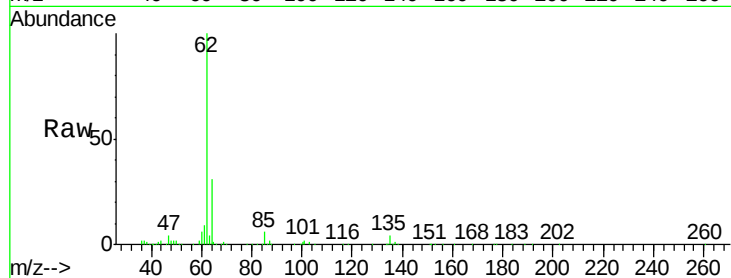
VSTDCCC010EC

Tgt Ion: 62 Resp: 976374

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3



#6

Bromomethane

Concen: 10.815 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037736.D

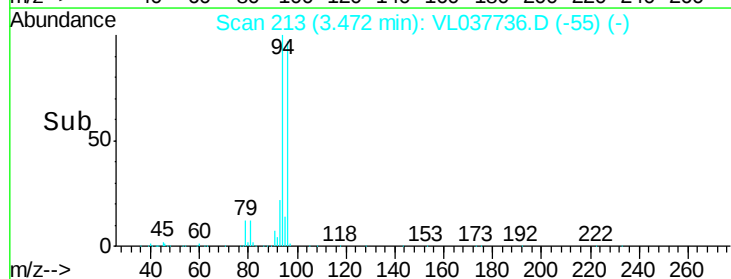
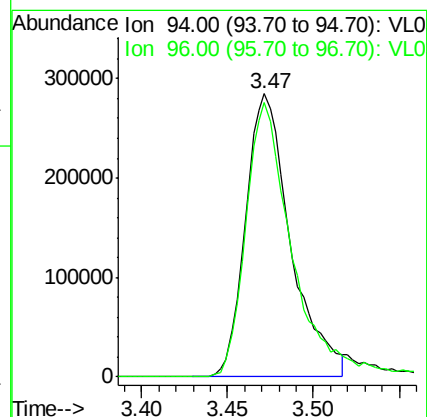
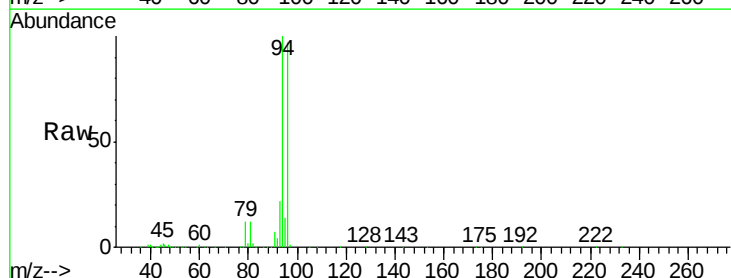
Acq: 30 Sep 2021 10:36

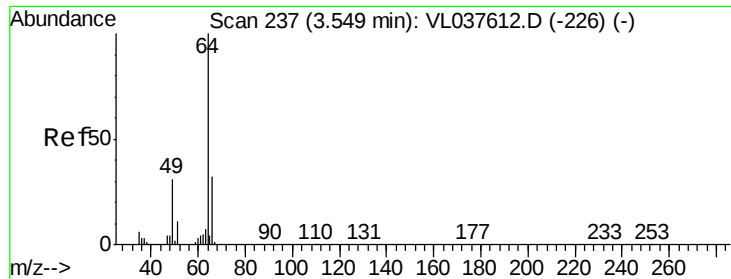
Tgt Ion: 94 Resp: 518741

Ion Ratio Lower Upper

94 100

96 96.9 77.3 115.9





#7

Chloroethane

Concen: 10.729 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

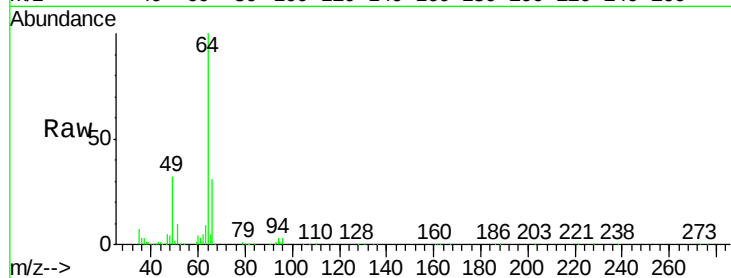
VSTDCCC010EC

Tgt Ion: 64 Resp: 330899

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

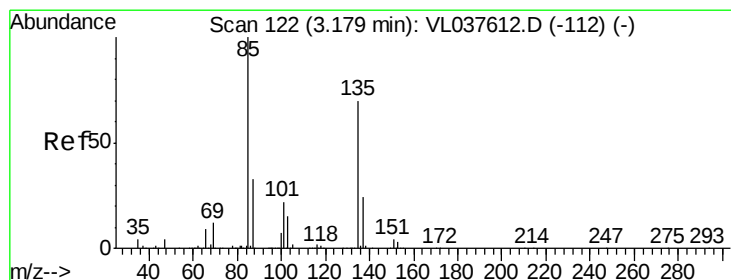
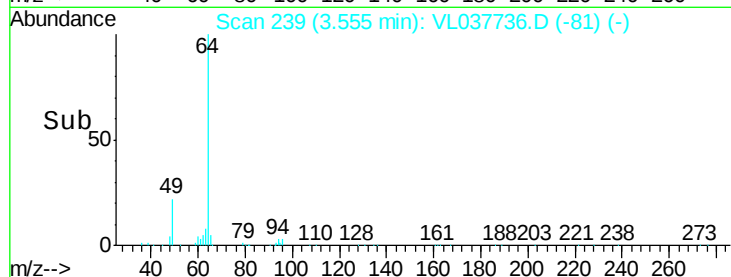
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.029 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037736.D

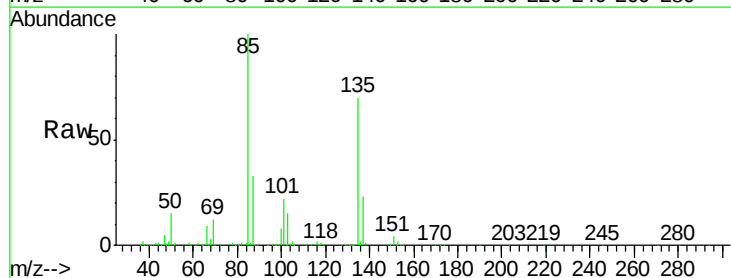
Acq: 30 Sep 2021 10:36

Tgt Ion: 85 Resp: 2170533

Ion Ratio Lower Upper

85 100

135 73.5 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

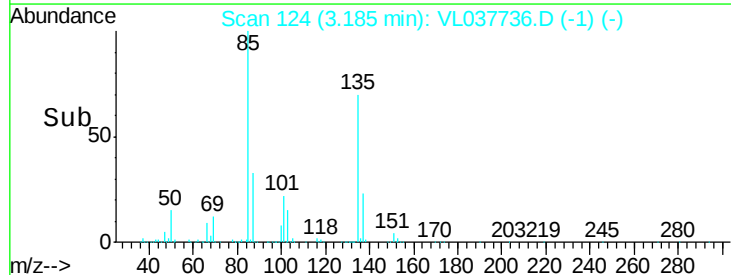
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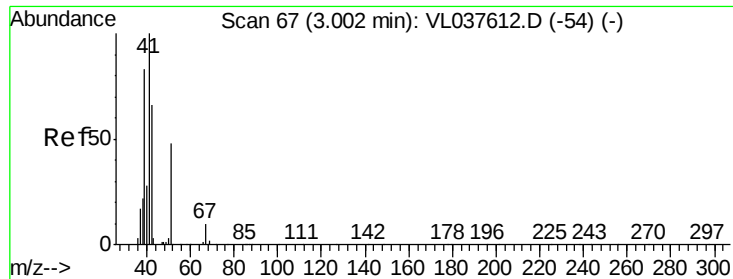
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Time-->





#9

Propene

Concen: 11.351 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

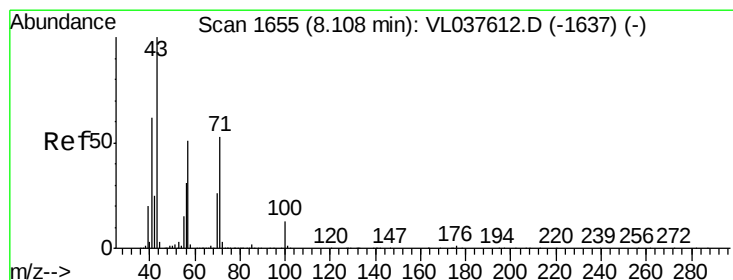
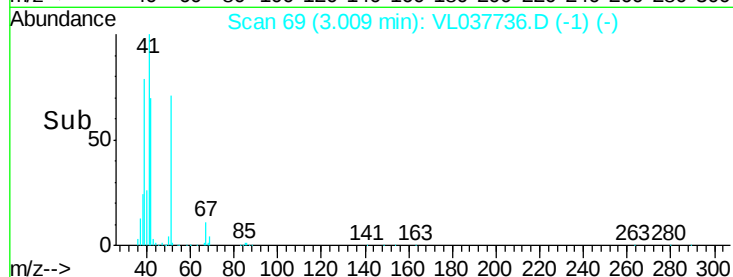
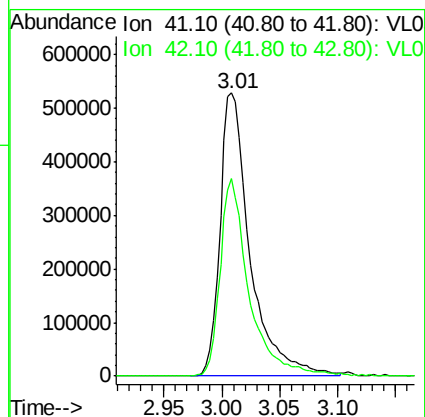
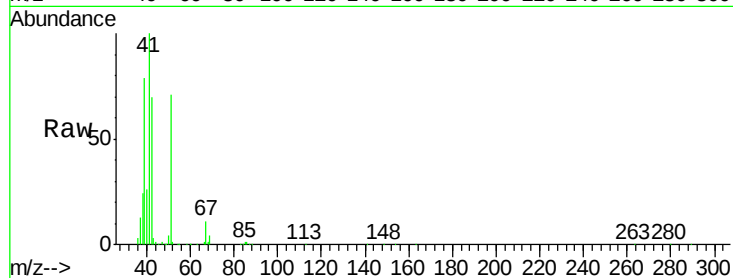
VSTDCCC010EC

Tgt Ion: 41 Resp: 952147

Ion Ratio Lower Upper

41 100

42 68.0 57.2 85.8



#10

Heptane

Concen: 11.912 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL037736.D

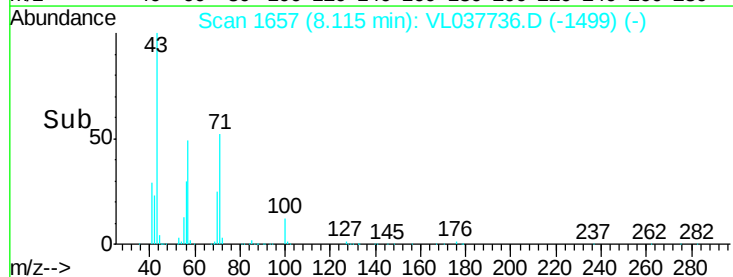
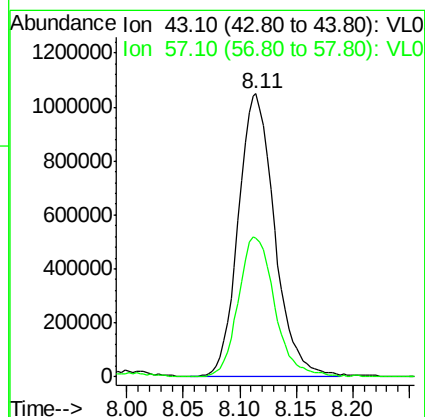
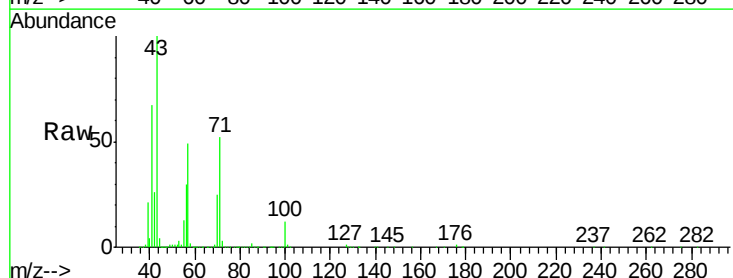
Acq: 30 Sep 2021 10:36

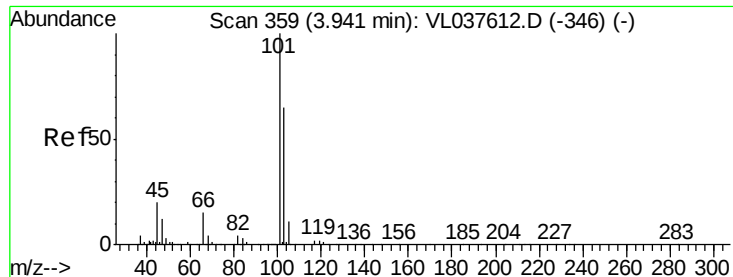
Tgt Ion: 43 Resp: 2331591

Ion Ratio Lower Upper

43 100

57 50.3 40.1 60.1

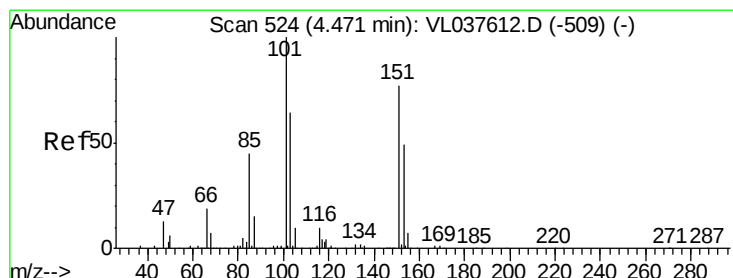
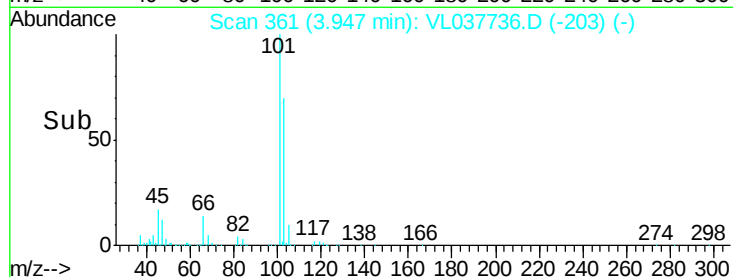
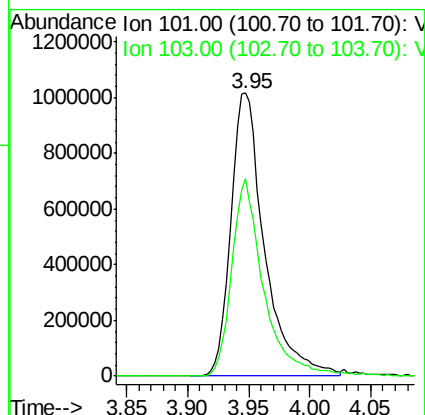
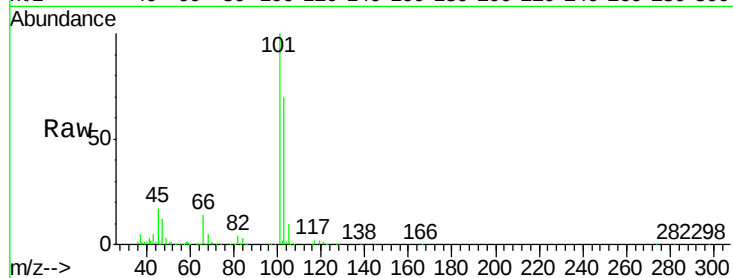




#11
 Trichlorofluoromethane
 Concen: 10.702 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

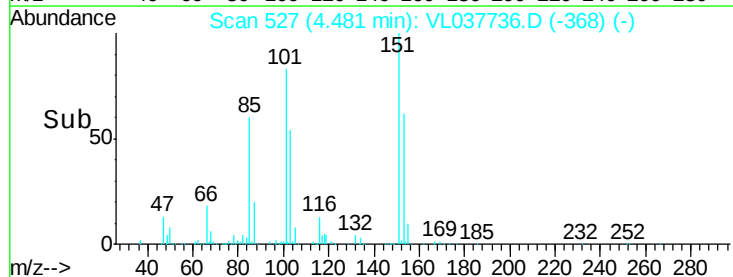
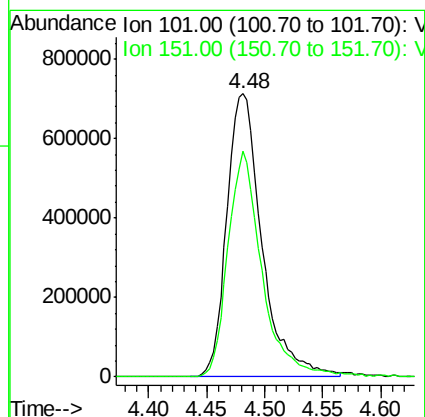
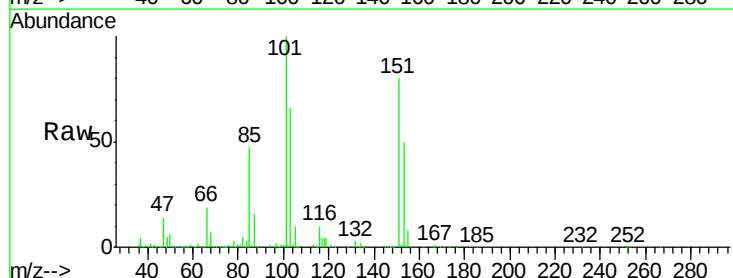
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

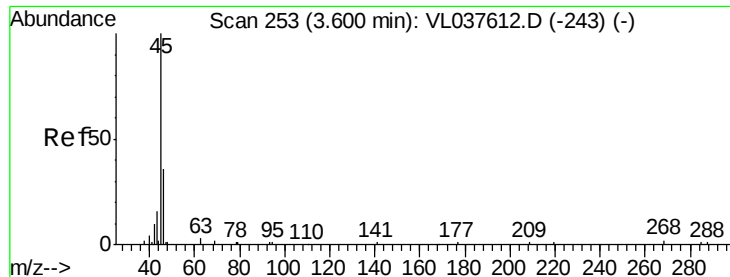
Tgt Ion:101 Resp: 1960146
 Ion Ratio Lower Upper
 101 100
 103 69.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.091 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion:101 Resp: 1499476
 Ion Ratio Lower Upper
 101 100
 151 77.4 63.5 95.3





#13

Ethanol

Concen: 4.926 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

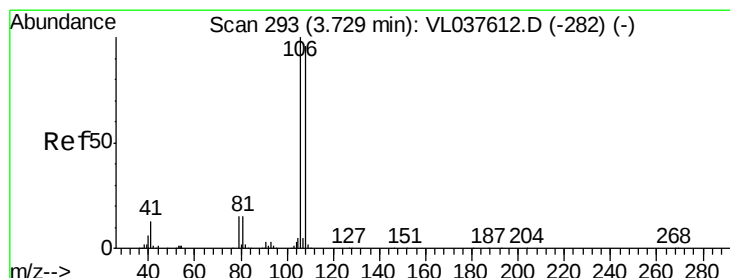
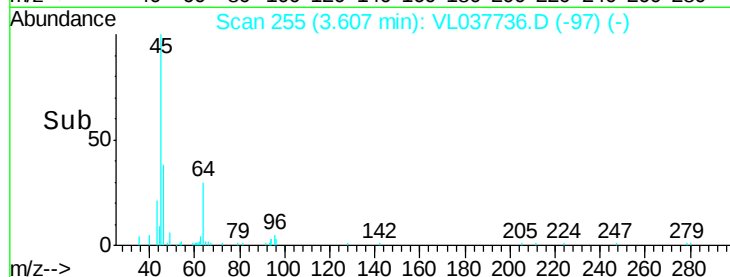
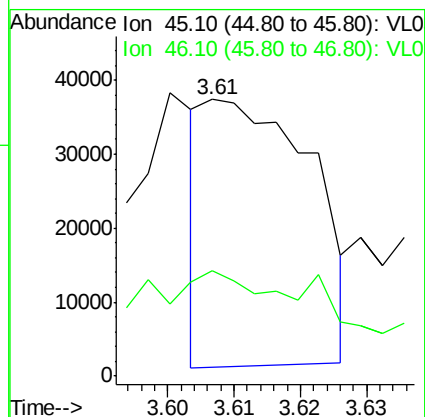
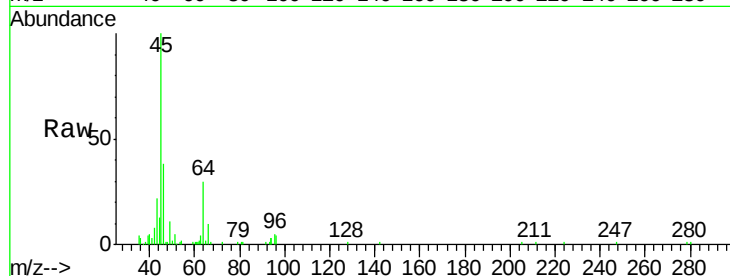
VSTDCCC010EC

Tgt Ion: 45 Resp: 40418

Ion Ratio Lower Upper

45 100

46 104.7 17.2 68.8#



#14

Bromoethene

Concen: 11.086 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

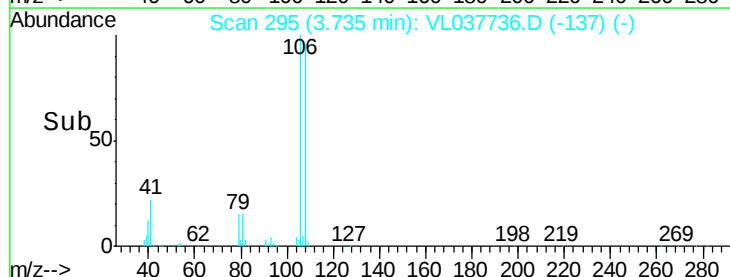
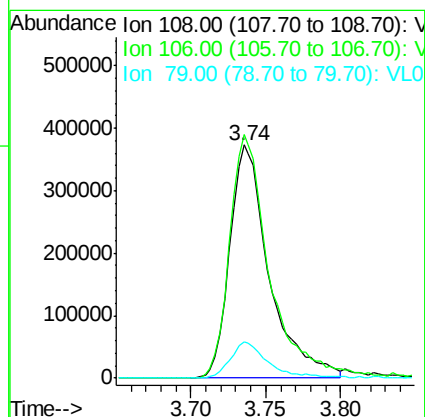
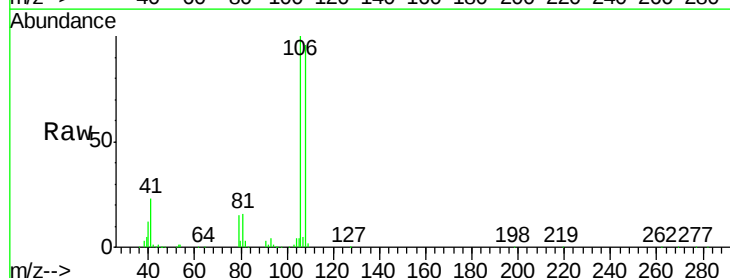
Tgt Ion: 108 Resp: 682232

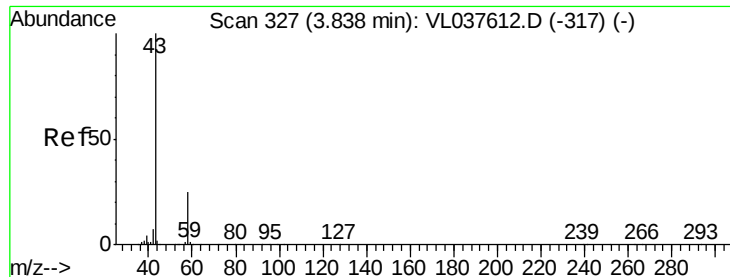
Ion Ratio Lower Upper

108 100

106 107.4 88.2 132.4

79 15.8 12.8 19.2





#15

Acetone

Concen: 9.120 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

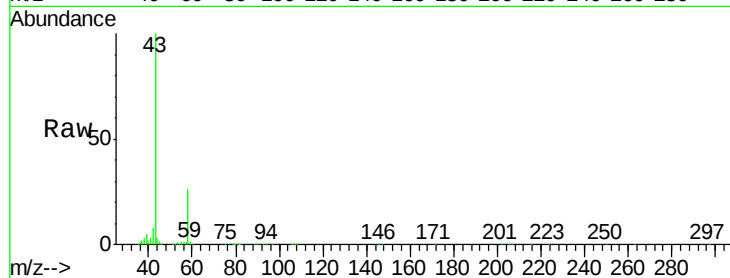
VSTDCCC010EC

Tgt Ion: 43 Resp: 1194614

Ion Ratio Lower Upper

43 100

58 31.4 24.9 37.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

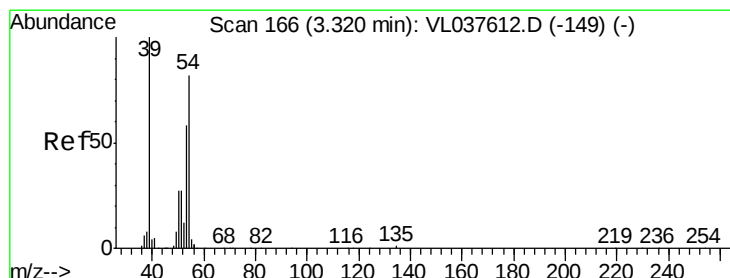
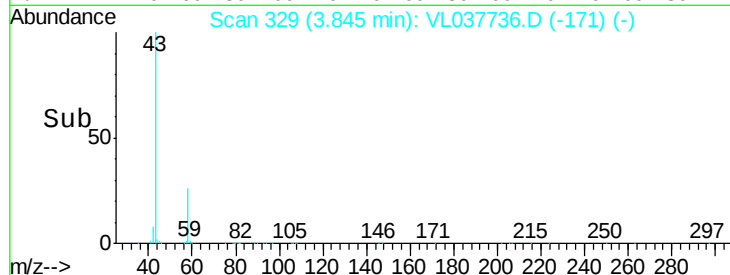
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 11.419 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037736.D

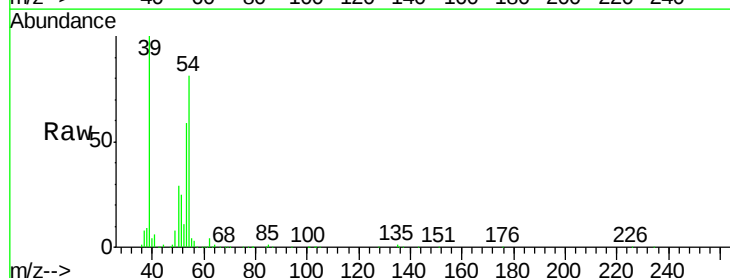
Acq: 30 Sep 2021 10:36

Tgt Ion: 39 Resp: 934648

Ion Ratio Lower Upper

39 100

54 77.7 62.6 93.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

500000

400000

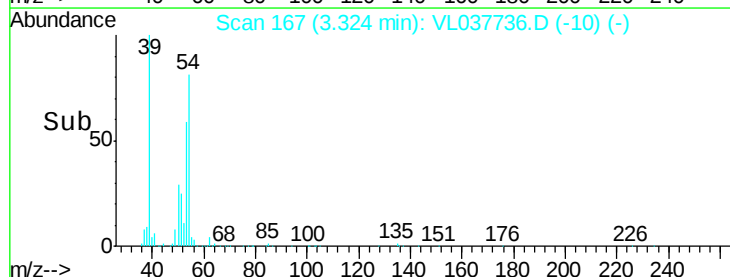
300000

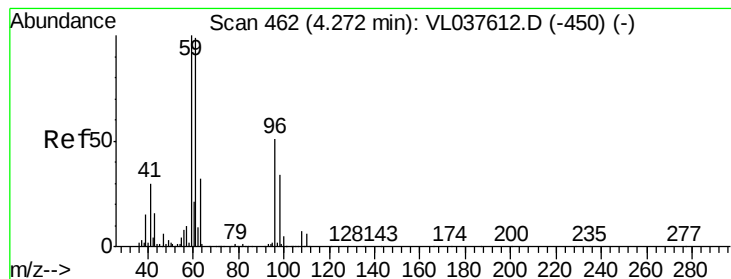
200000

100000

0

Time-->



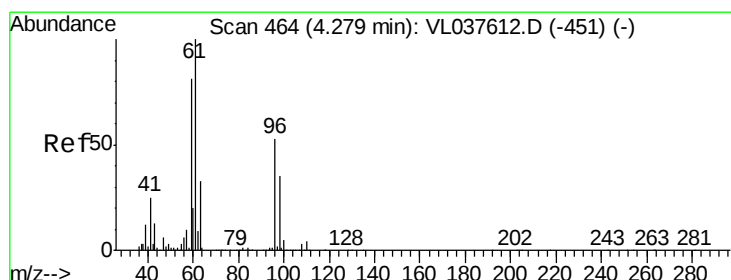
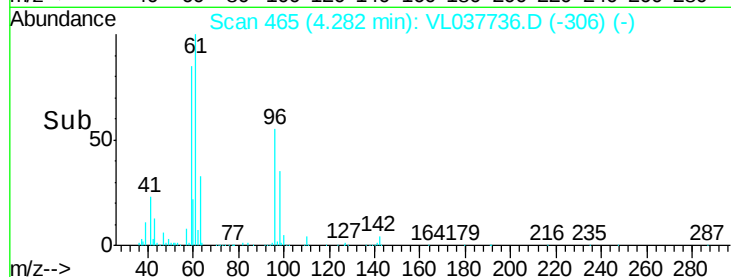
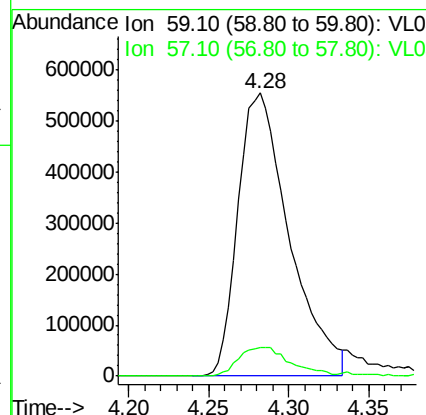
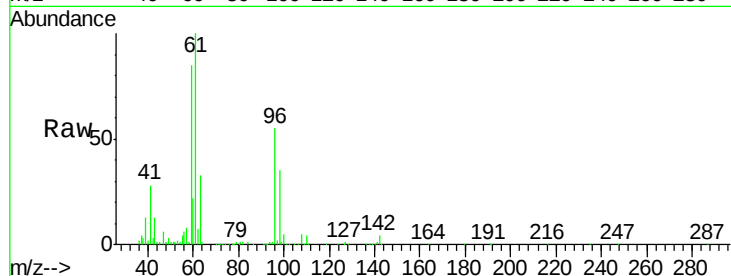


#17

tert-Butyl alcohol
 Concen: 10.982 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

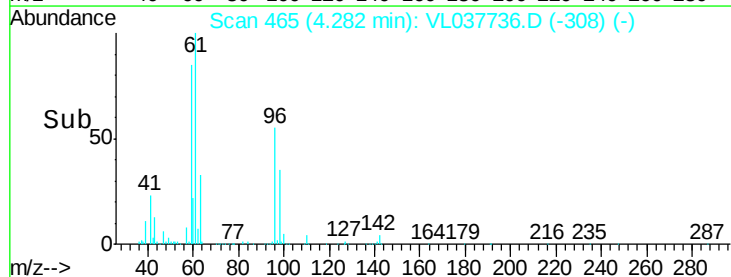
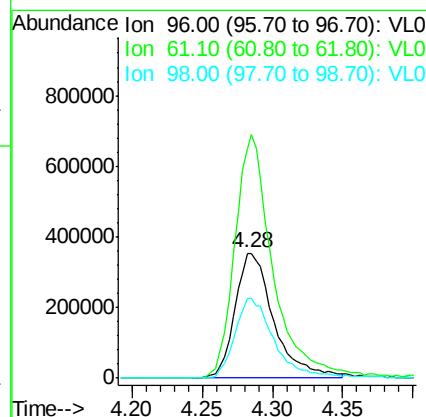
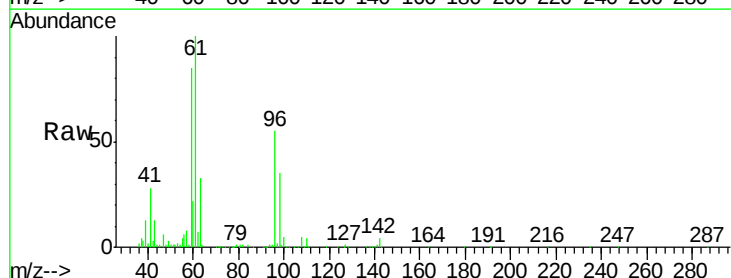
Tgt Ion: 59 Resp: 1219881
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.4 12.6

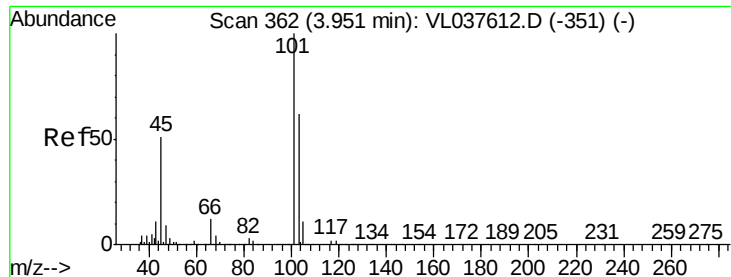


#18

1,1-Dichloroethene
 Concen: 10.817 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 96 Resp: 681273
 Ion Ratio Lower Upper
 96 100
 61 182.9 150.4 225.6
 98 63.5 52.1 78.1



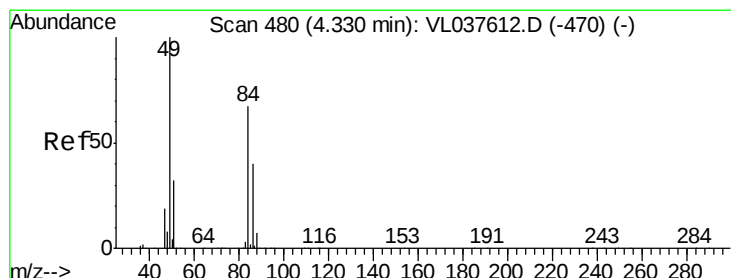
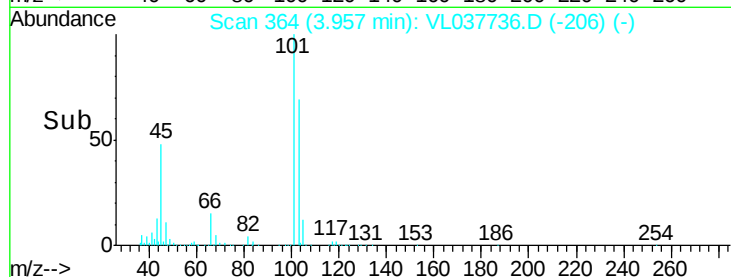
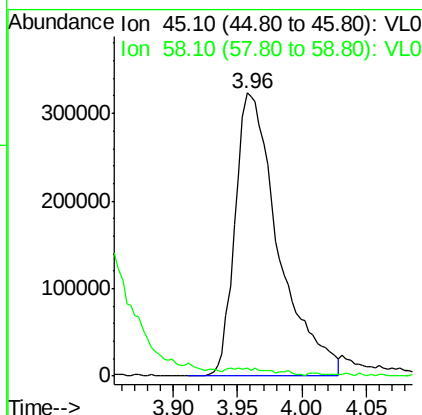
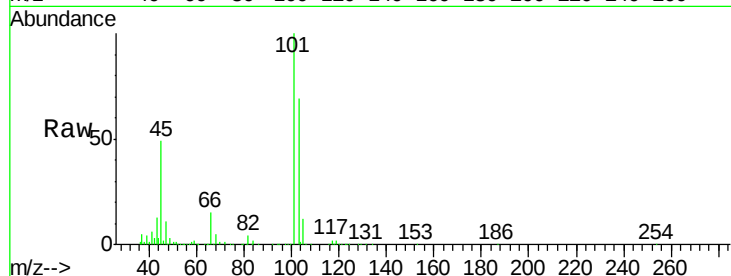


#19

Isopropyl Alcohol
 Concen: 10.640 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

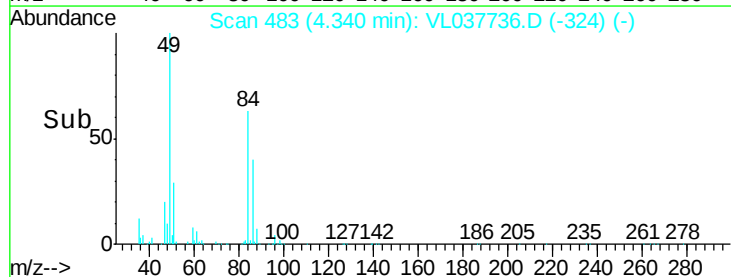
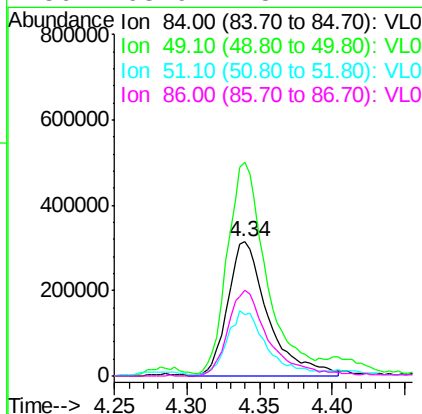
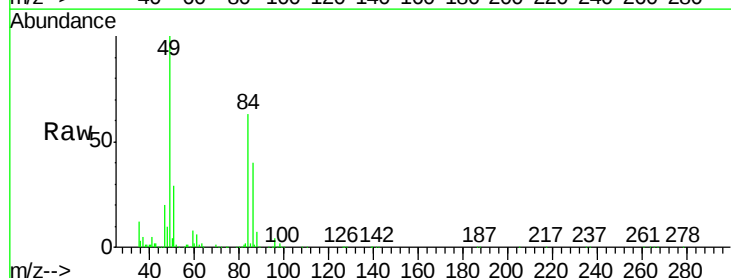
Tgt Ion: 45 Resp: 758370
 Ion Ratio Lower Upper
 45 100
 58 2.7 2.9 4.3#

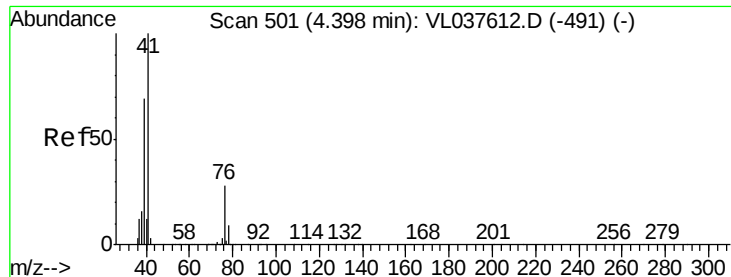


#20

Methylene Chloride
 Concen: 9.585 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 84 Resp: 599397
 Ion Ratio Lower Upper
 84 100
 49 157.4 120.0 180.0
 51 44.4 38.0 57.0
 86 63.9 48.2 72.2

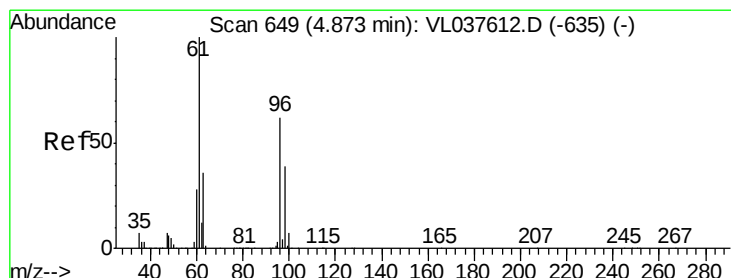
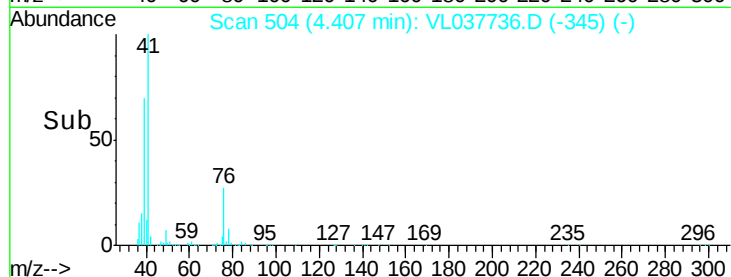
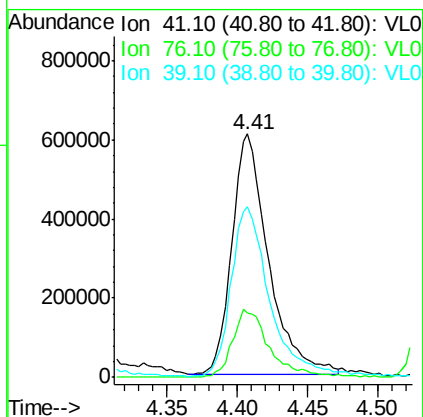
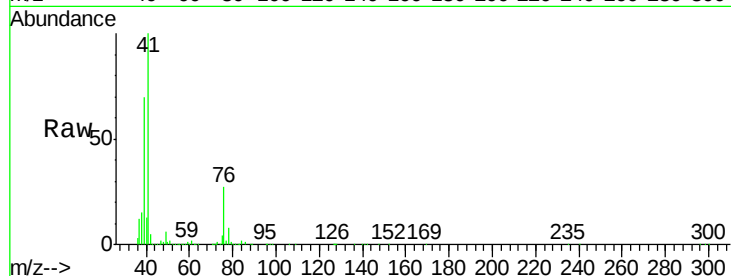




#21
 Allyl Chloride
 Concen: 11.253 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

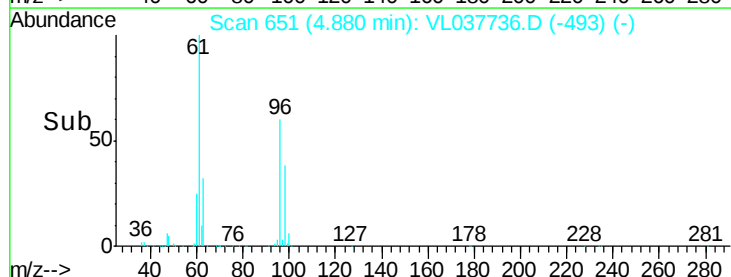
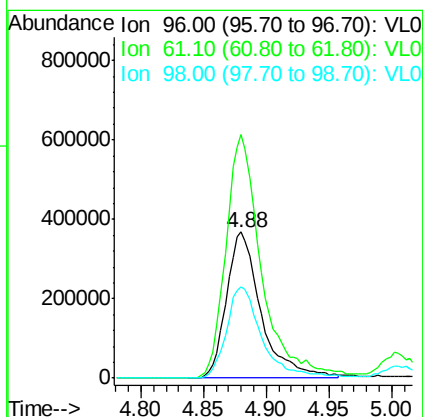
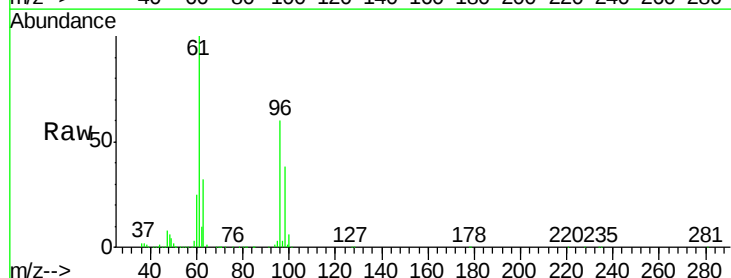
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

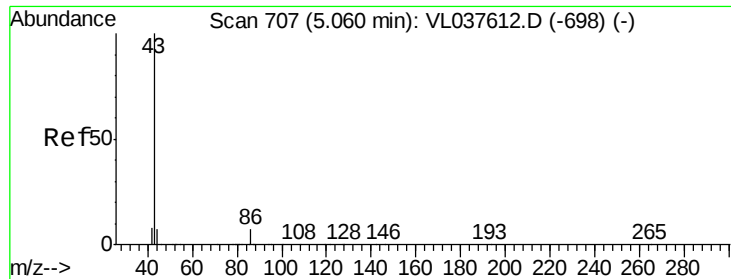
Tgt Ion: 41 Resp: 1101201
 Ion Ratio Lower Upper
 41 100
 76 29.0 23.1 34.7
 39 75.5 61.0 91.6



#22
 trans-1,2-Dichloroethene
 Concen: 11.148 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 96 Resp: 706439
 Ion Ratio Lower Upper
 96 100
 61 166.7 129.2 193.8
 98 62.6 50.4 75.6





#23

Vinyl Acetate

Concen: 11.327 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

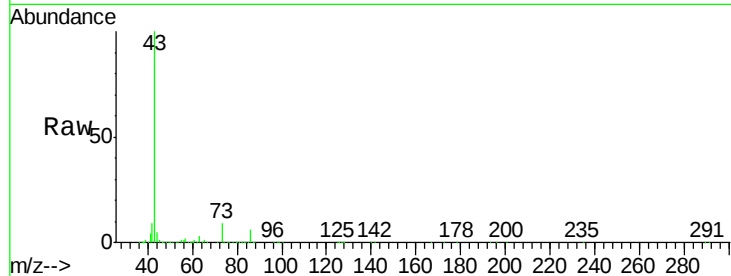
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2053107

Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.0	7.6
42	8.4	7.5	11.3
44	4.4	4.7	7.1#

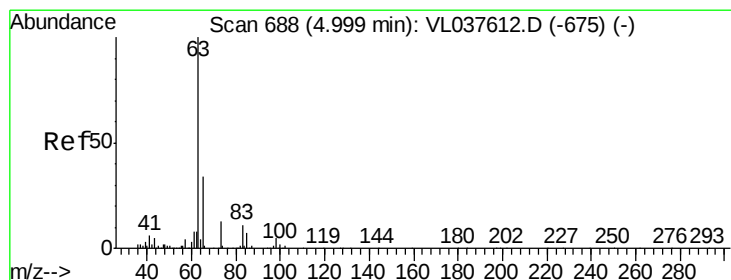
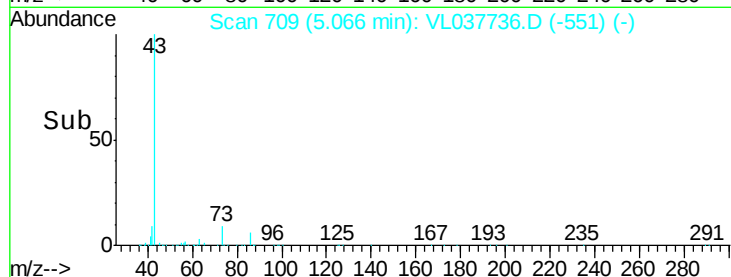
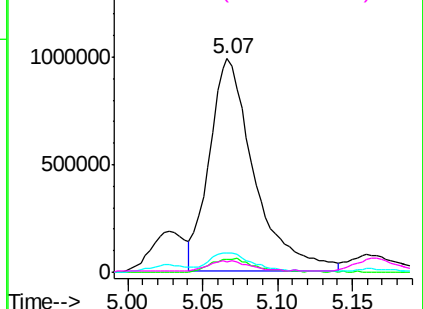


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.707 ppbv

RT: 5.01 min Scan# 690

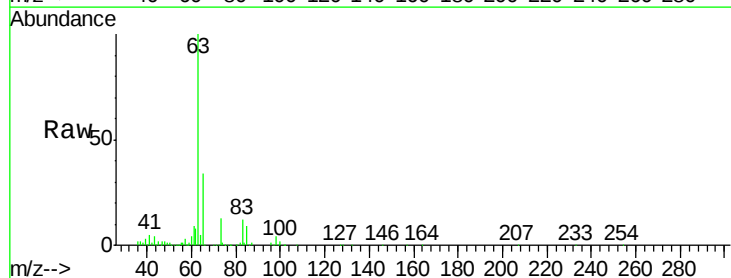
Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Tgt Ion: 63 Resp: 1390301

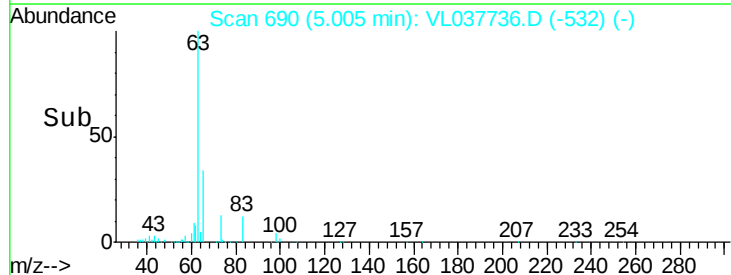
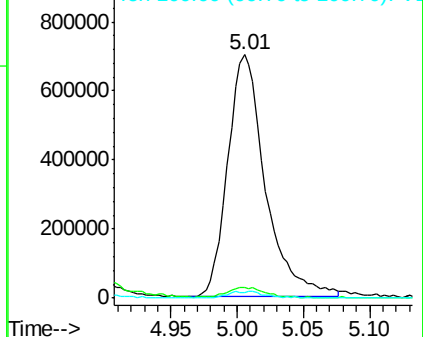
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.4	7.2
100	2.3	1.1	3.5

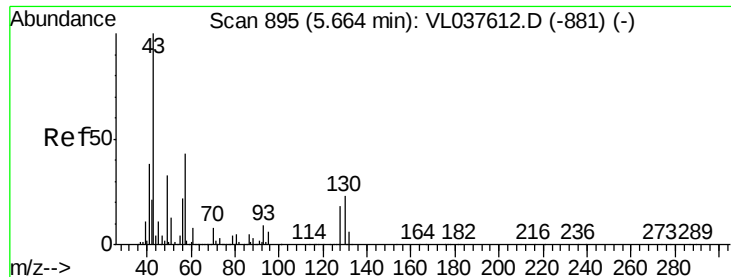


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



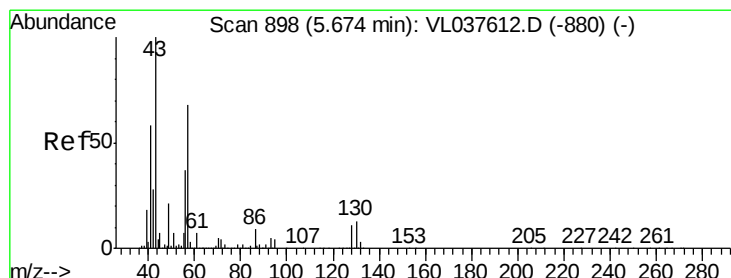
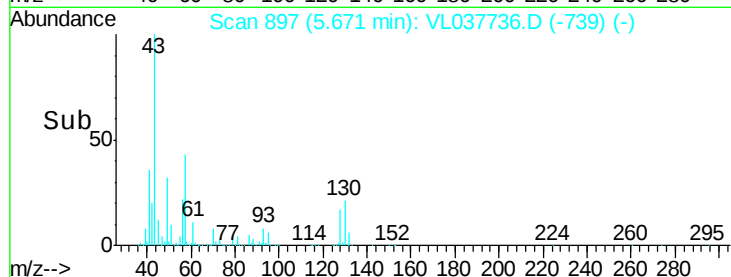
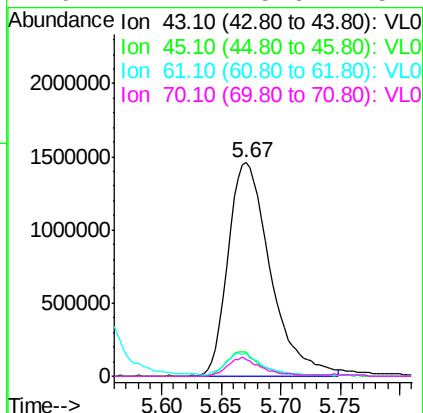
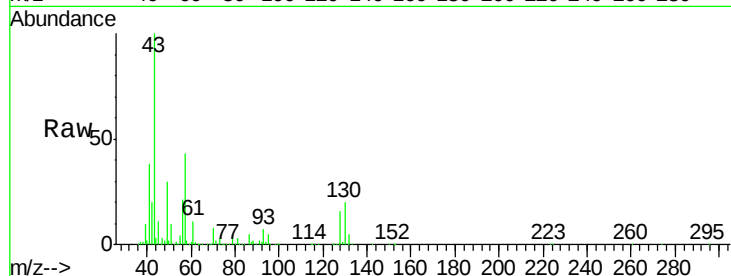


#25
Ethyl Acetate
Concen: 11.306 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3586916

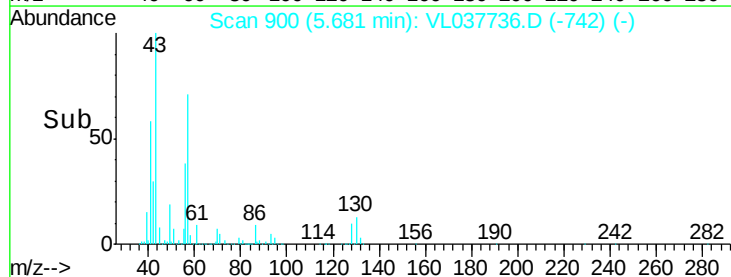
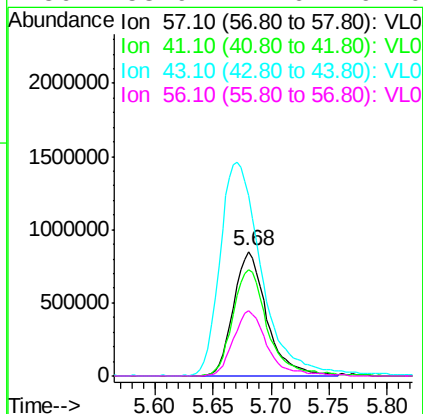
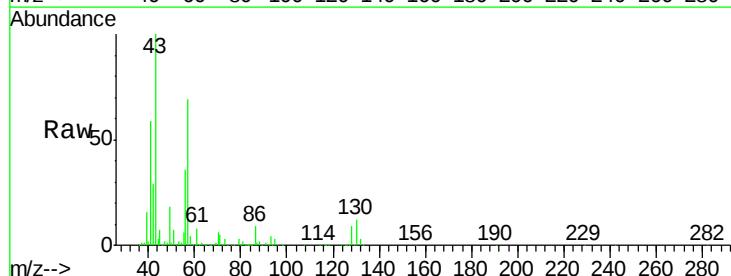
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	10.1	7.5	11.3
70	7.2	5.6	8.4

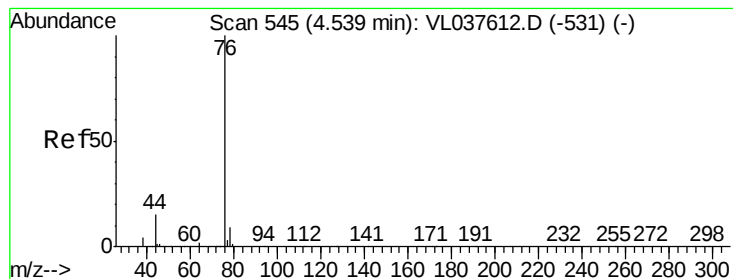


#26
Hexane
Concen: 11.259 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 57 Resp: 1696731

Ion	Ratio	Lower	Upper
57	100		
41	90.6	70.9	106.3
43	217.1	170.4	255.6
56	53.9	42.6	64.0





#27

Carbon Disulfide

Concen: 12.128 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

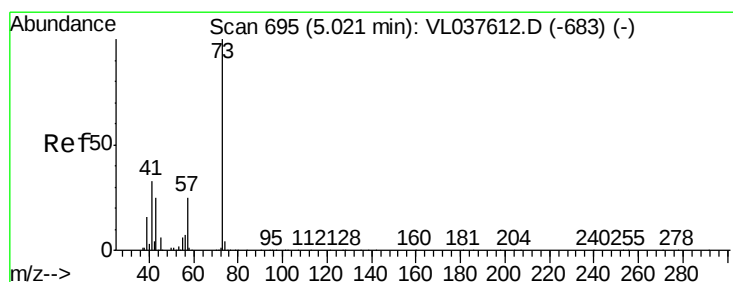
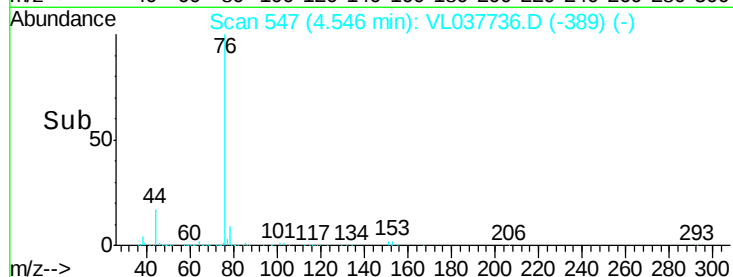
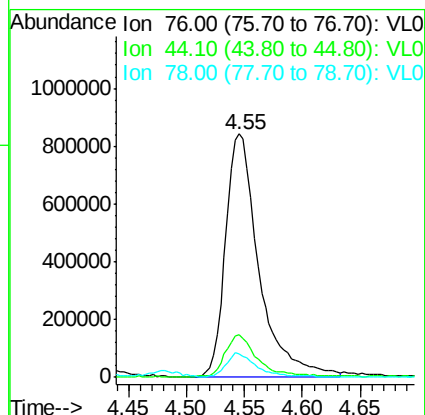
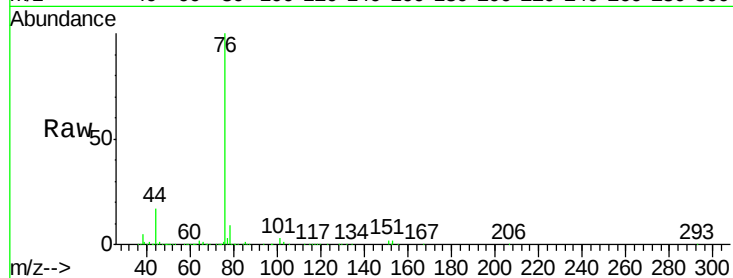
Tgt Ion: 76 Resp: 1672091

Ion Ratio Lower Upper

76 100

44 17.7 14.2 21.2

78 9.5 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 11.011 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL037736.D

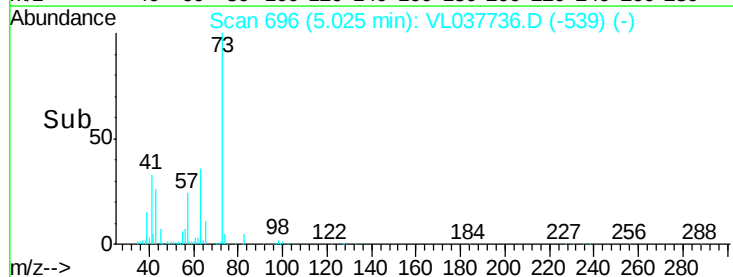
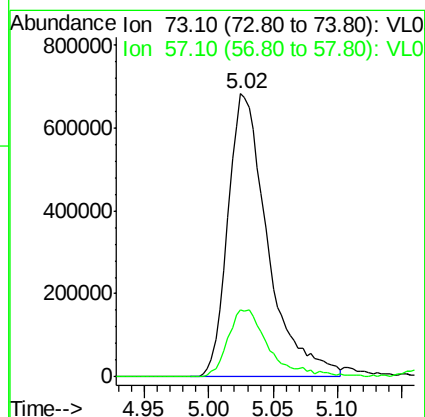
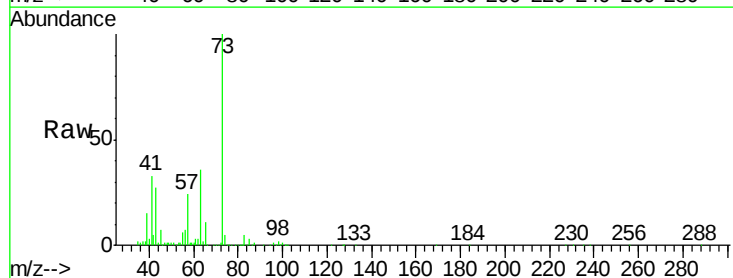
Acq: 30 Sep 2021 10:36

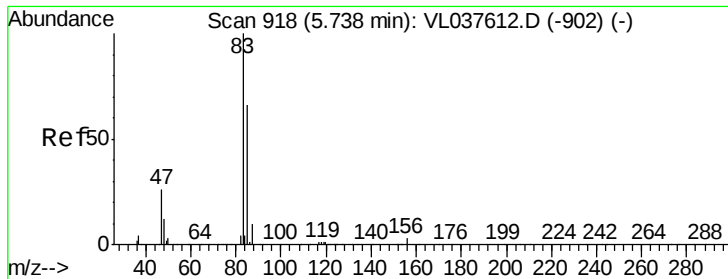
Tgt Ion: 73 Resp: 1461600

Ion Ratio Lower Upper

73 100

57 24.8 20.1 30.1

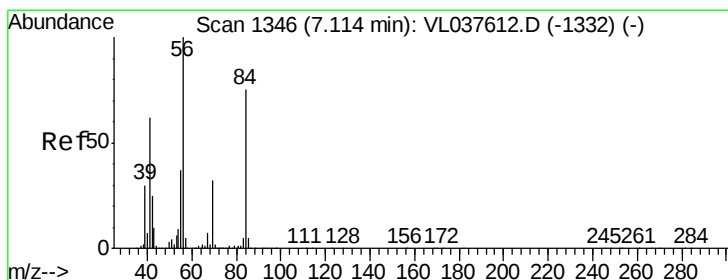
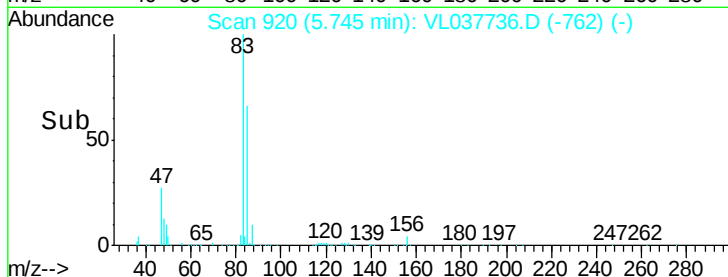
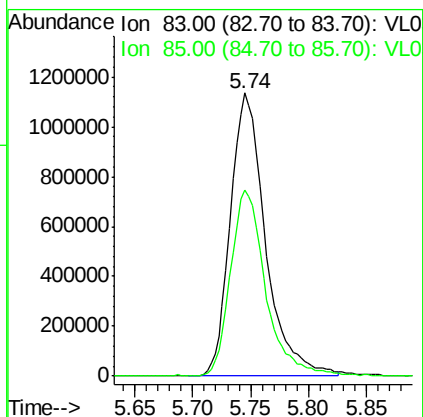
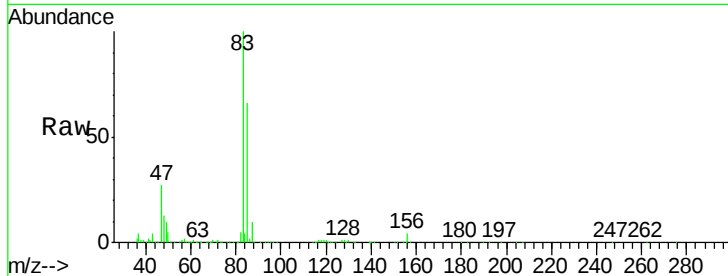




#29
Chloroform
Concen: 10.804 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

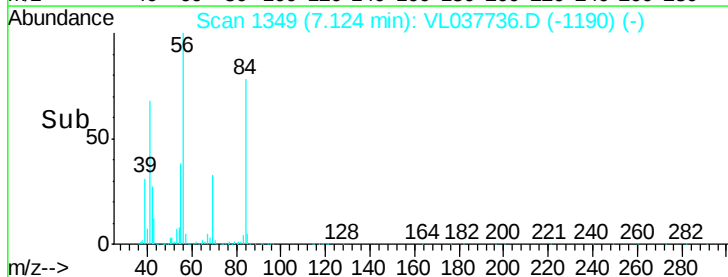
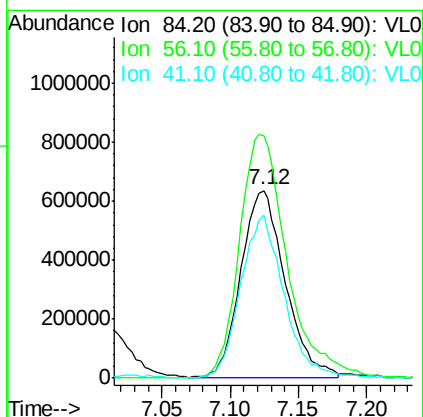
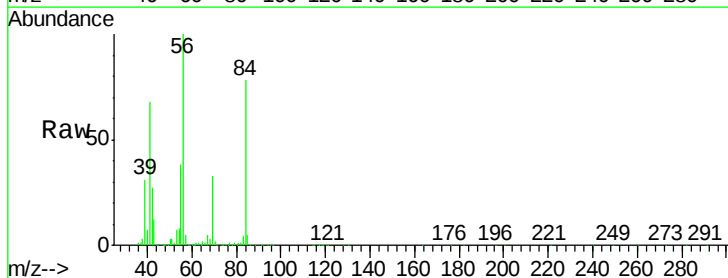
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

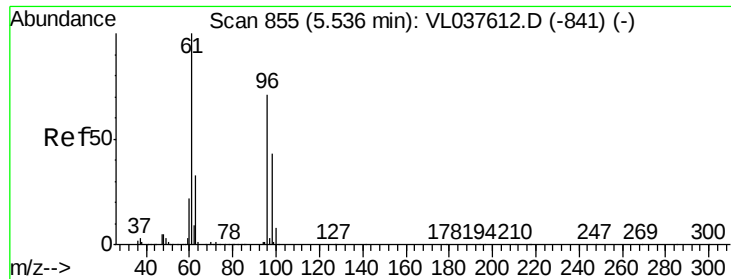
Tgt Ion: 83 Resp: 2377502
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0



#30
Cyclohexane
Concen: 11.199 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 84 Resp: 1443506
Ion Ratio Lower Upper
84 100
56 139.4 113.6 170.4
41 85.1 67.9 101.9



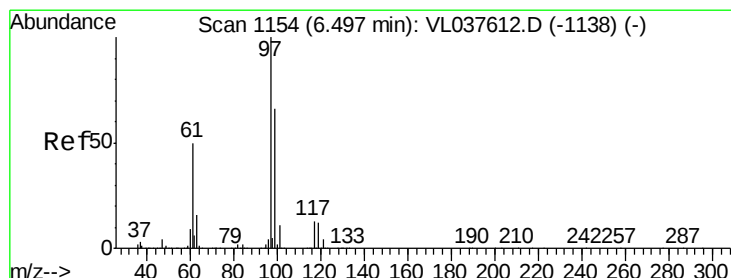
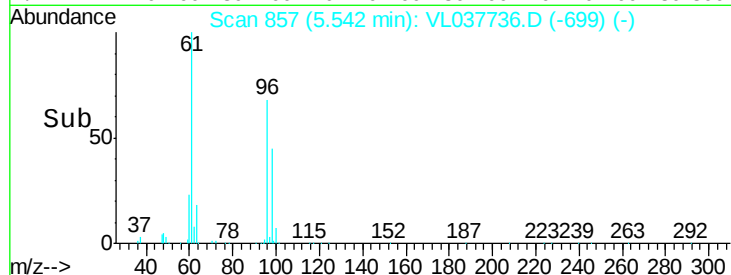
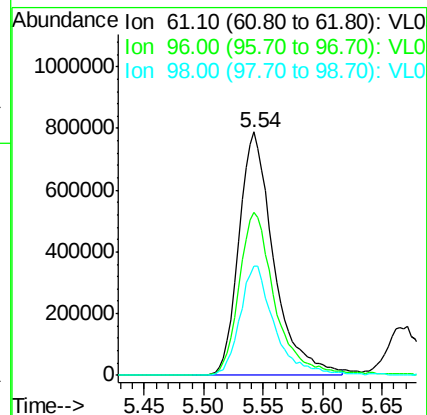
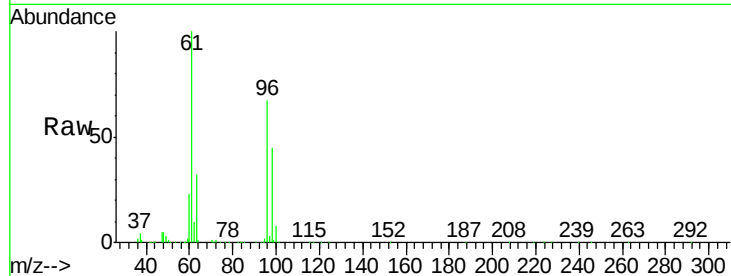


#31

cis-1,2-Dichloroethene
Concen: 11.724 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

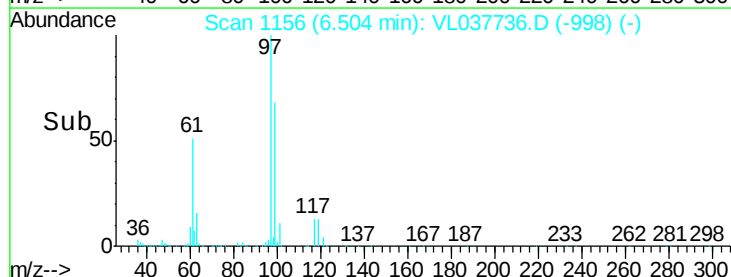
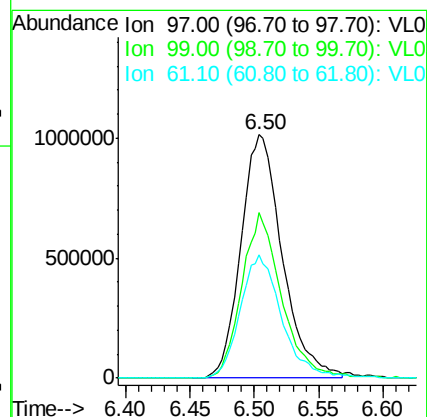
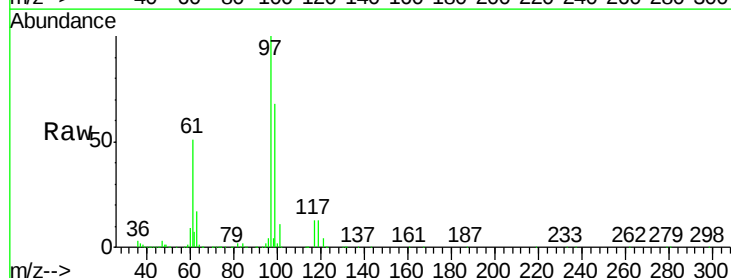
Tgt Ion: 61 Resp: 1604043
Ion Ratio Lower Upper
61 100
96 66.6 56.7 85.1
98 45.0 34.6 52.0

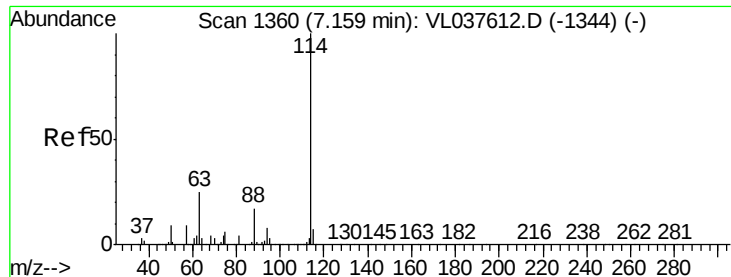


#32

1,1,1-Trichloroethane
Concen: 11.060 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 97 Resp: 2265968
Ion Ratio Lower Upper
97 100
99 65.7 52.3 78.5
61 51.0 39.5 59.3

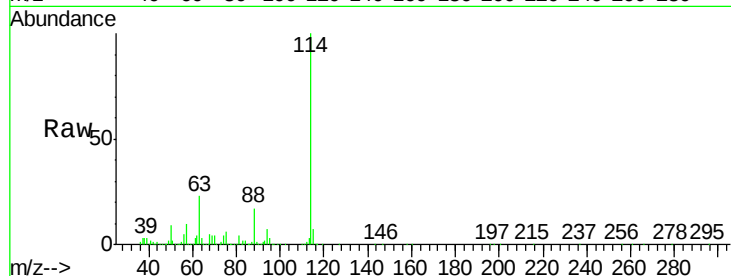




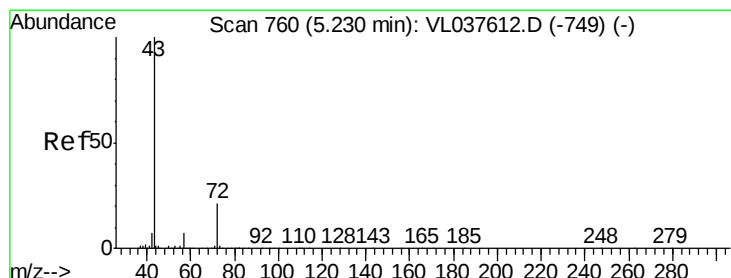
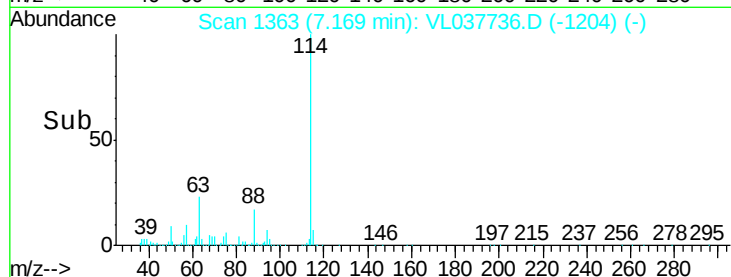
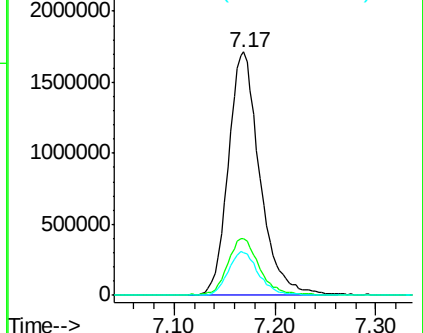
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 3739324
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.6 14.2 21.4

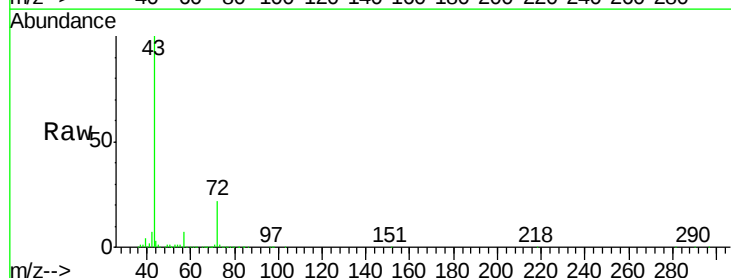


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

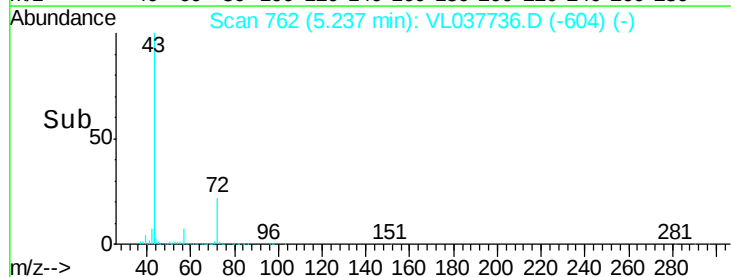
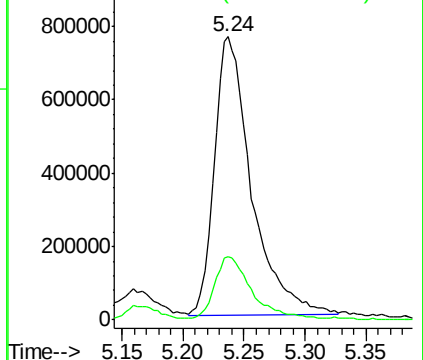


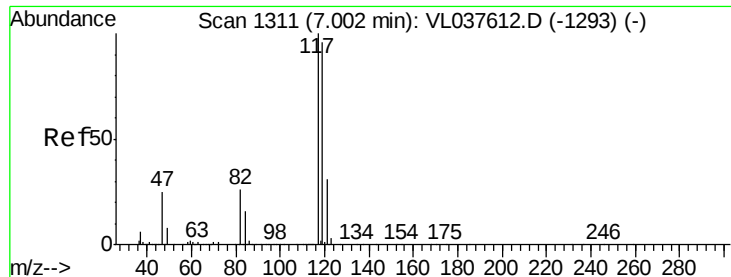
#34
 2-Butanone
 Concen: 10.640 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 43 Resp: 1616862
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.4 27.6



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





#35

Carbon Tetrachloride

Concen: 11.189 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

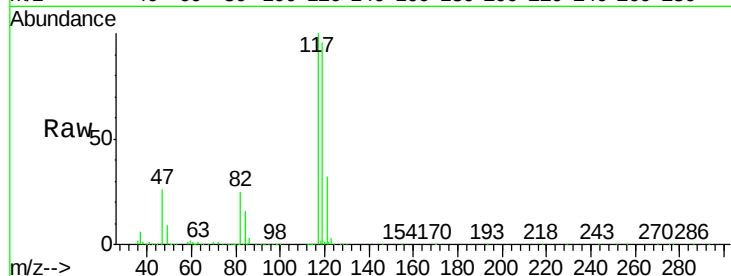
Tgt Ion:117 Resp: 2366663

Ion Ratio Lower Upper

117 100

119 96.0 77.0 115.6

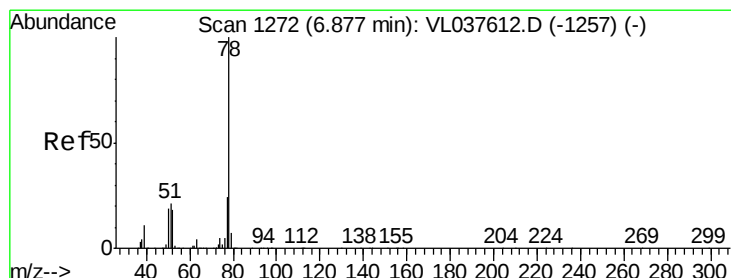
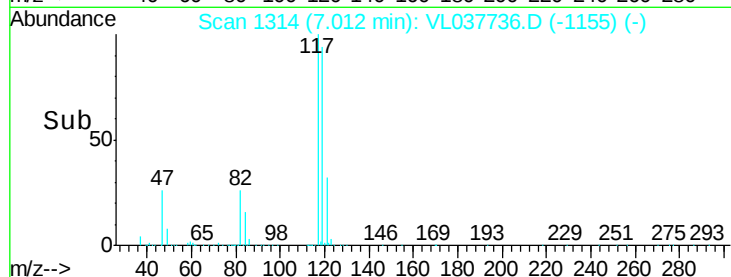
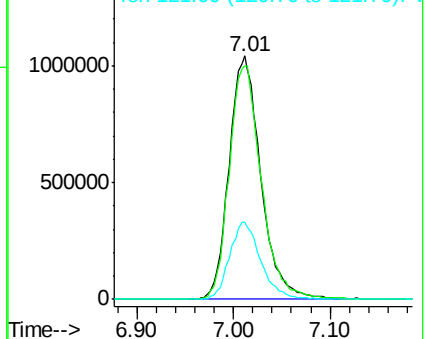
121 31.8 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.386 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

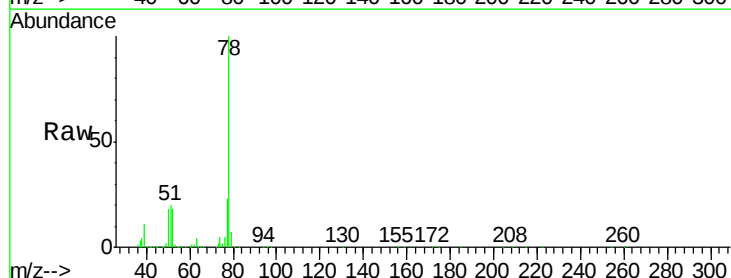
Tgt Ion: 78 Resp: 3550205

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4

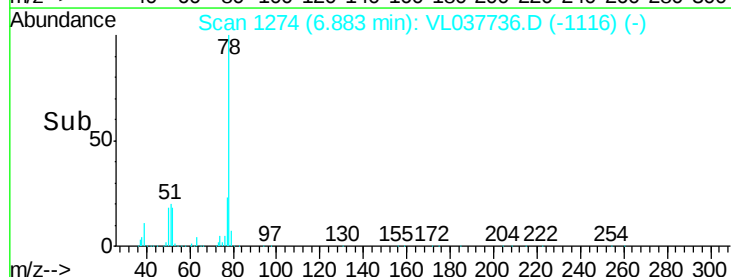
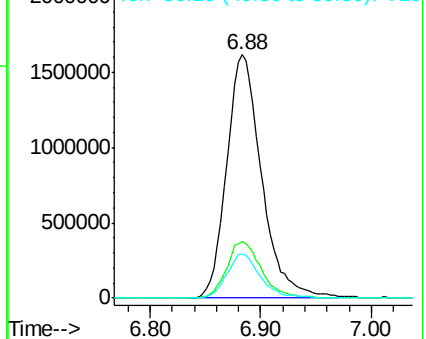
50 17.9 14.8 22.2

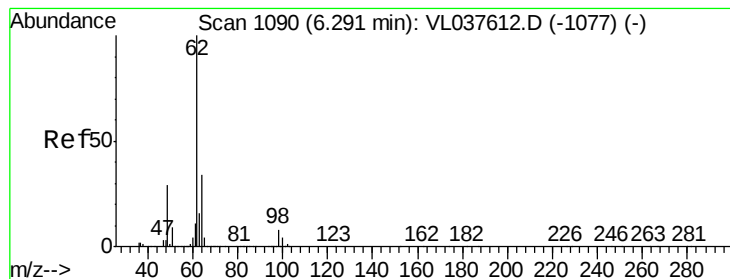


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.030 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

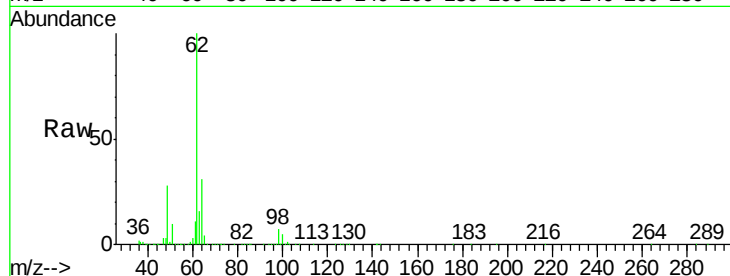
VSTDCCC010EC

Tgt Ion: 62 Resp: 1691497

Ion Ratio Lower Upper

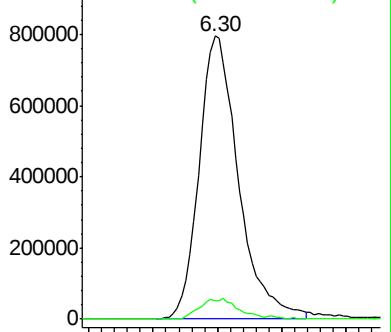
62 100

98 7.6 6.1 9.1

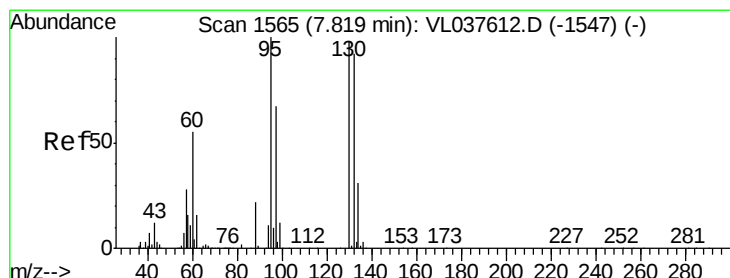
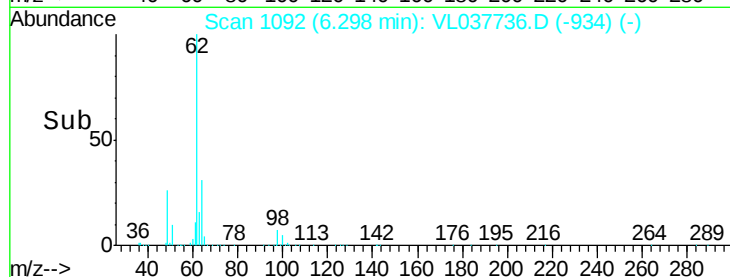


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 10.559 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Tgt Ion: 130 Resp: 1375301

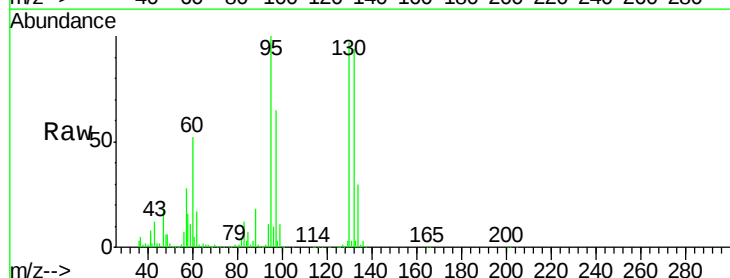
Ion Ratio Lower Upper

130 100

95 103.5 81.8 122.6

132 97.6 75.3 112.9

97 67.4 54.7 82.1

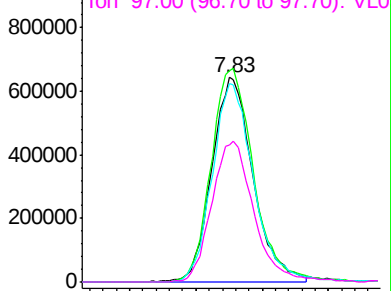


Abundance Ion 130.00 (129.70 to 130.70): V

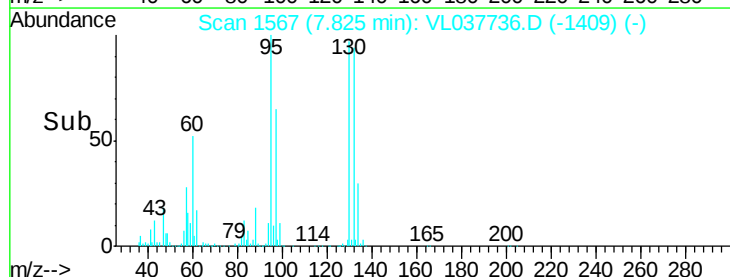
Ion 95.00 (94.70 to 95.70): VL0

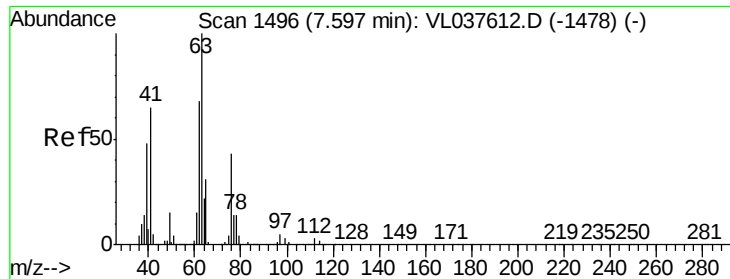
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->





#39

1,2-Dichloropropane

Concen: 11.431 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

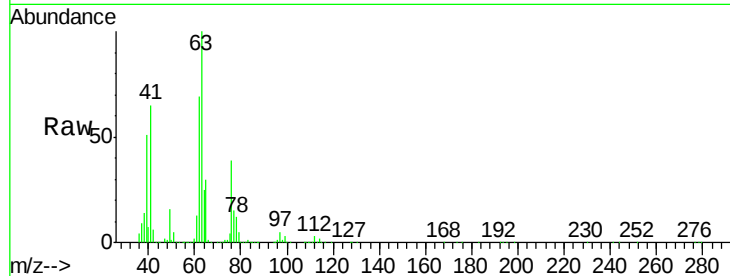
Tgt Ion: 63 Resp: 1365173

Ion Ratio Lower Upper

63 100

41 64.5 51.6 77.4

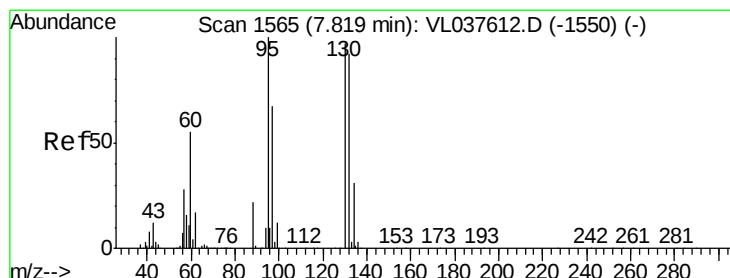
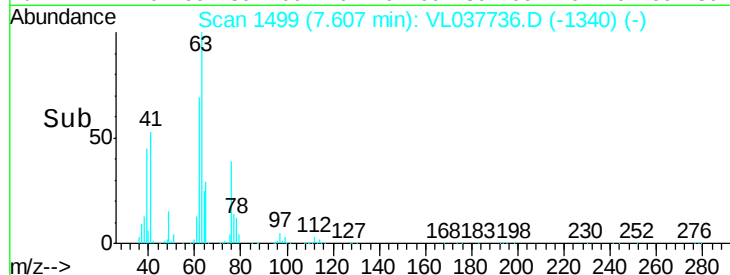
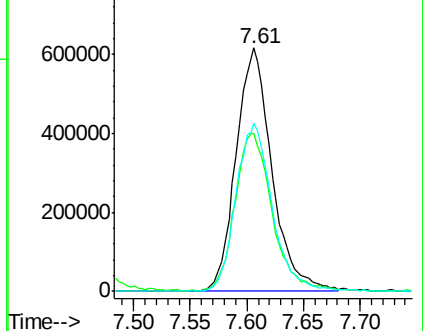
62 68.9 54.6 81.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 5.964 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Tgt Ion: 88 Resp: 173269

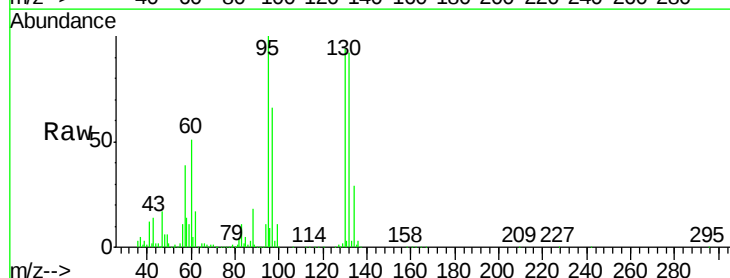
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

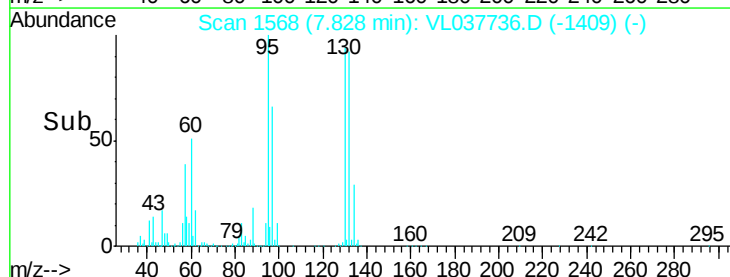
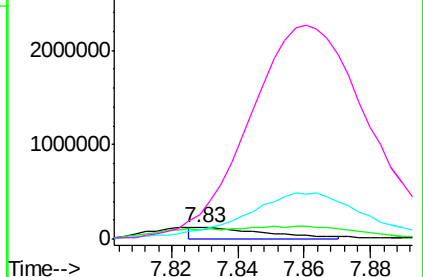


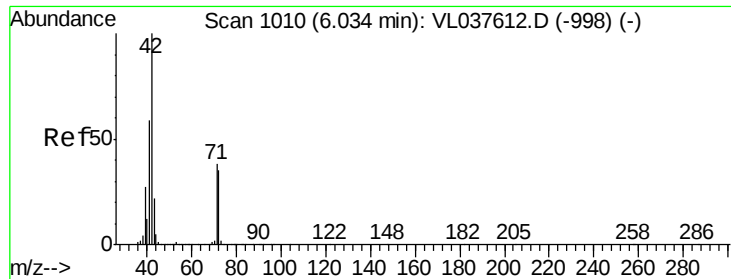
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

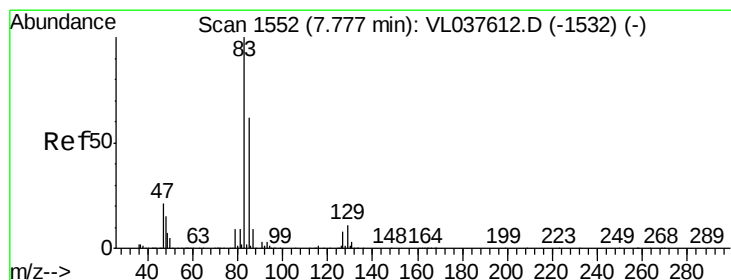
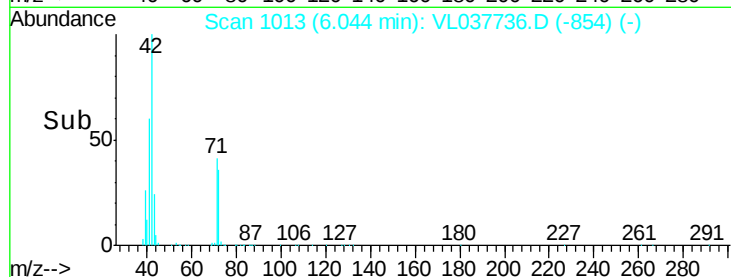
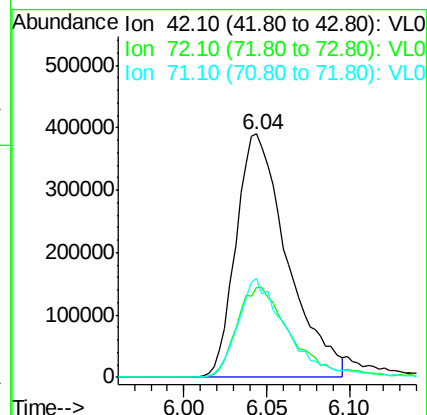
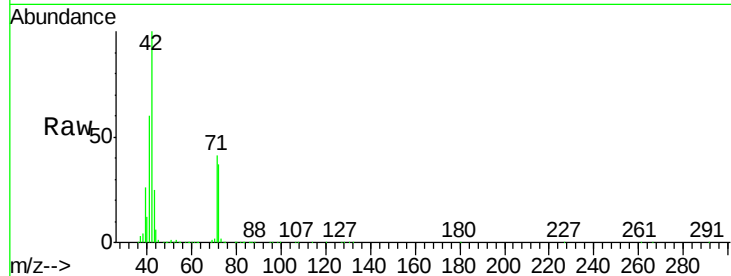




#41
Tetrahydrofuran
Concen: 11.758 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

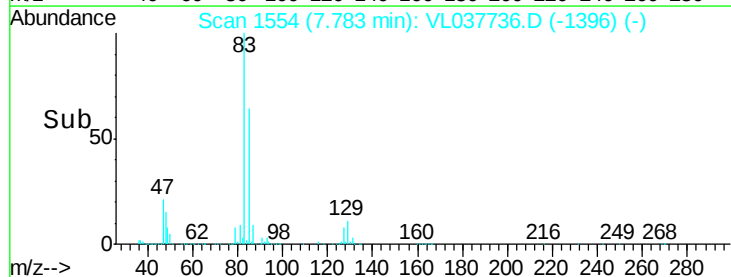
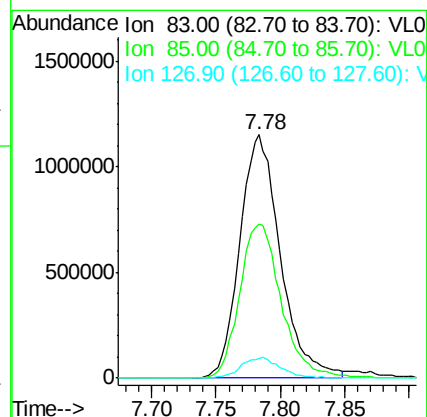
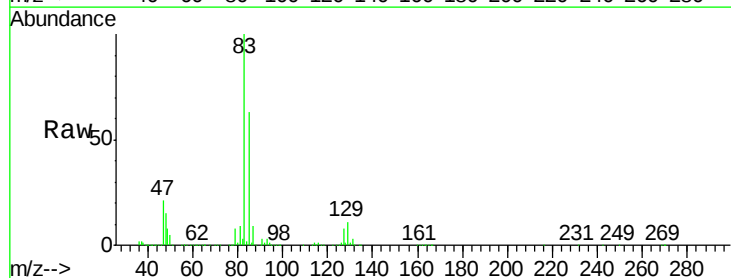
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

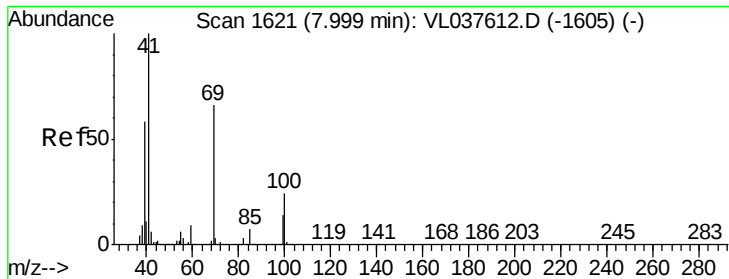
Tgt Ion: 42 Resp: 839935
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.2
71 39.7 30.6 46.0



#42
Bromodichloromethane
Concen: 11.470 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 83 Resp: 2520971
Ion Ratio Lower Upper
83 100
85 63.5 49.8 74.6
127 8.0 6.4 9.6

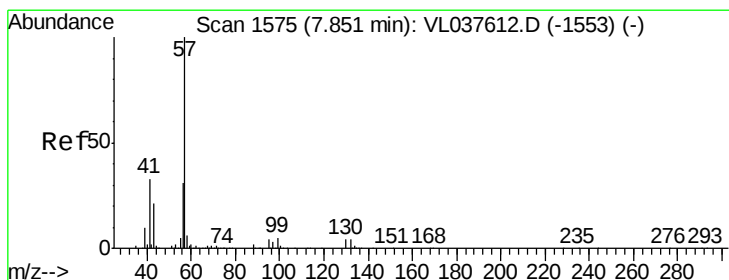
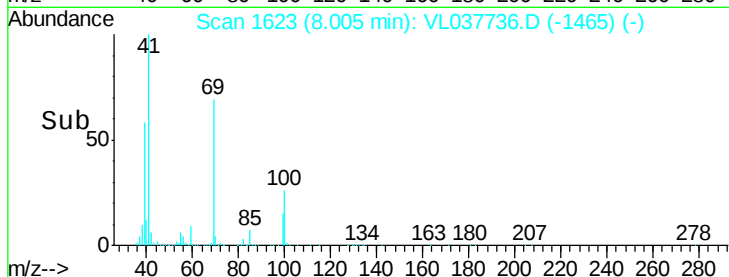
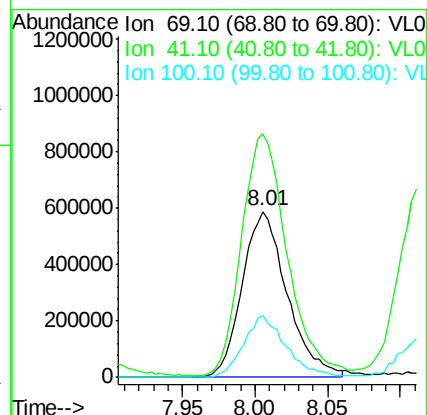
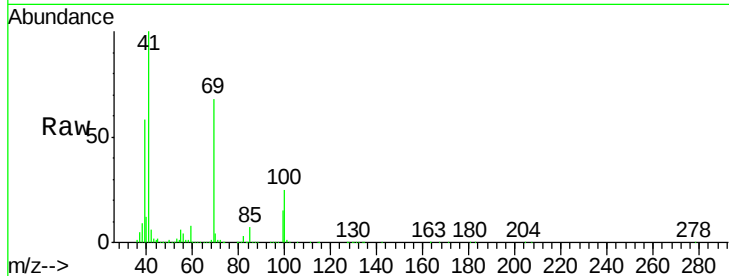




#43
Methyl Methacrylate
Concen: 12.187 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

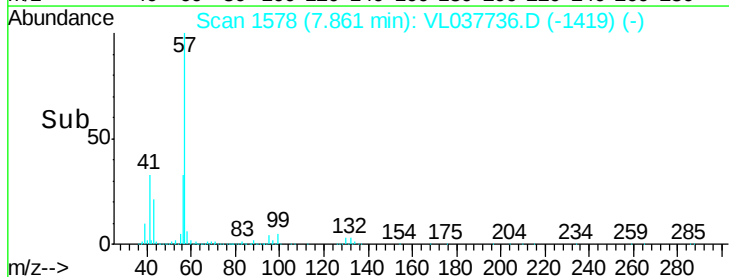
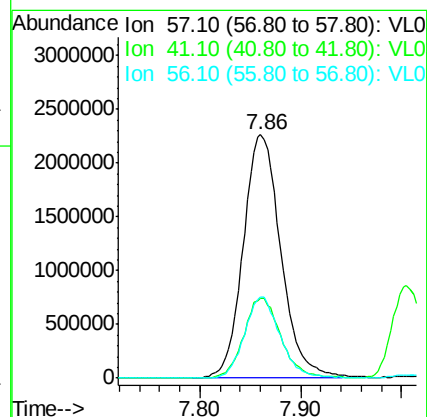
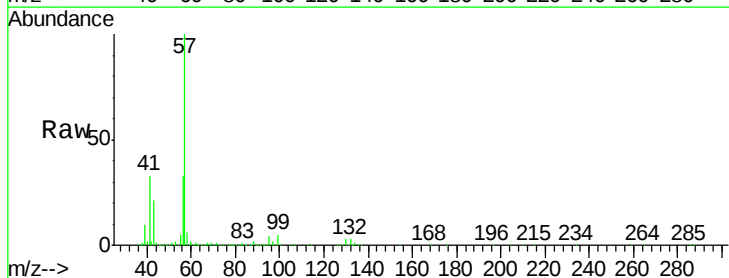
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

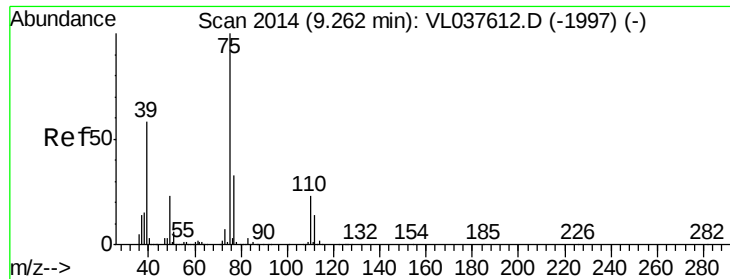
Tgt Ion: 69 Resp: 1264149
Ion Ratio Lower Upper
69 100
41 151.4 119.0 178.4
100 35.3 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 11.171 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 57 Resp: 5856036
Ion Ratio Lower Upper
57 100
41 32.2 26.1 39.1
56 31.7 25.7 38.5

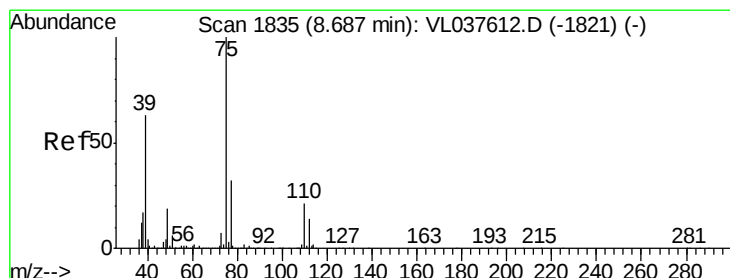
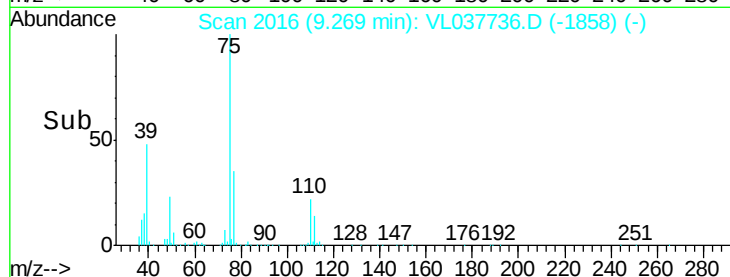
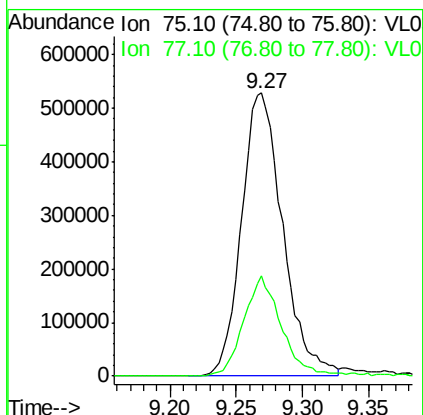
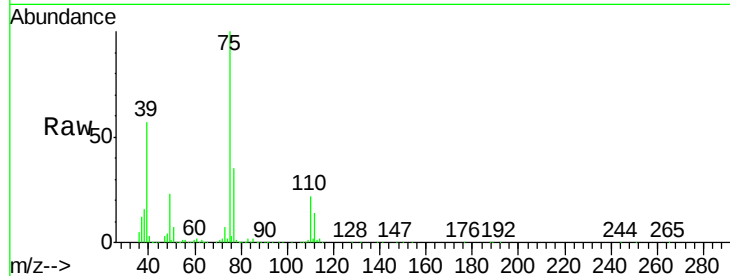




#45
 t-1,3-Dichloropropene
 Concen: 14.004 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

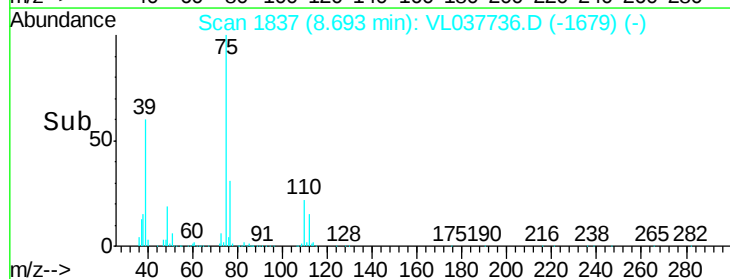
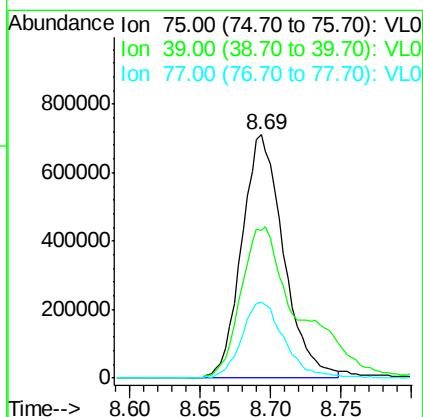
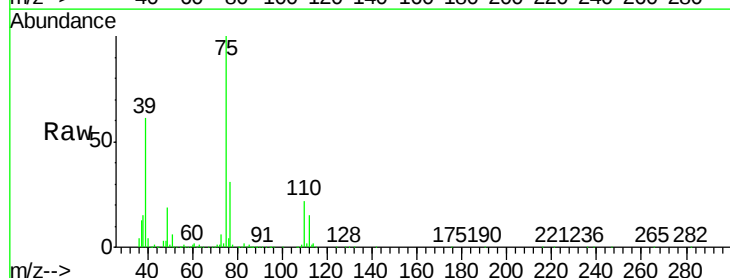
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

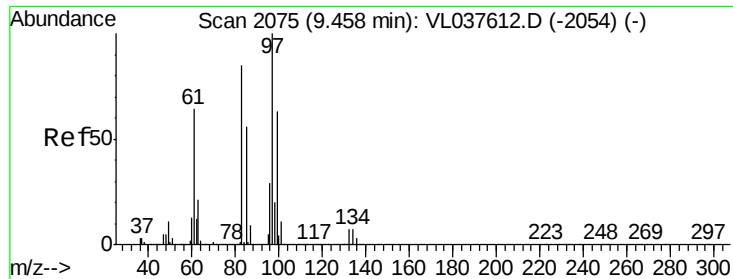
Tgt Ion: 75 Resp: 1141019
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 13.398 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 75 Resp: 1474639
 Ion Ratio Lower Upper
 75 100
 39 60.7 50.2 75.4
 77 31.2 25.2 37.8

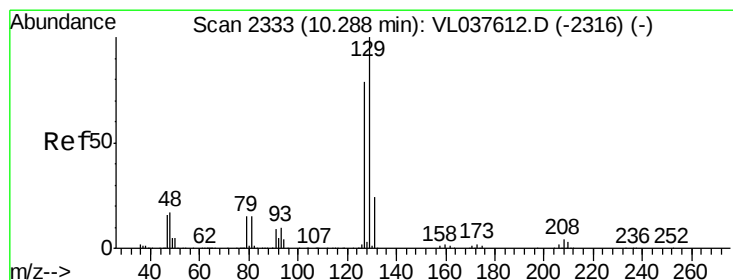
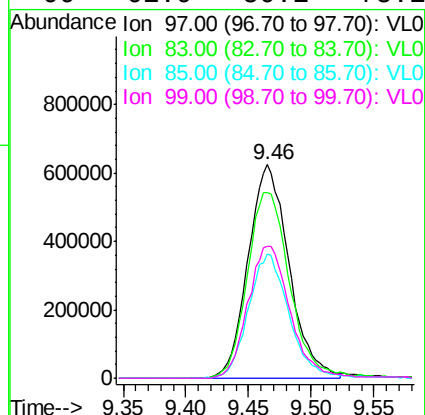
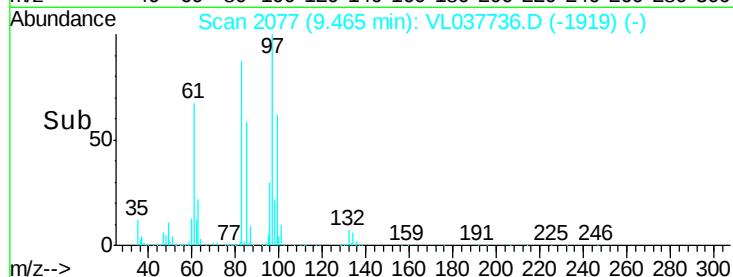
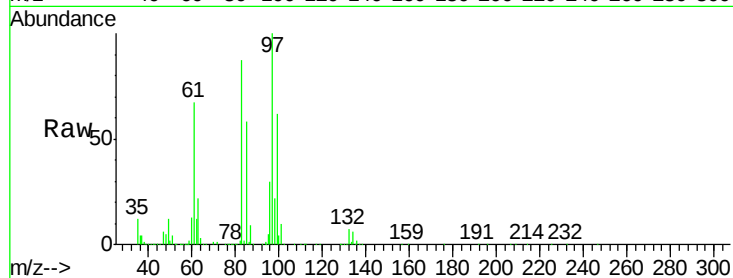




#47
 1,1,2-Trichloroethane
 Concen: 10.711 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

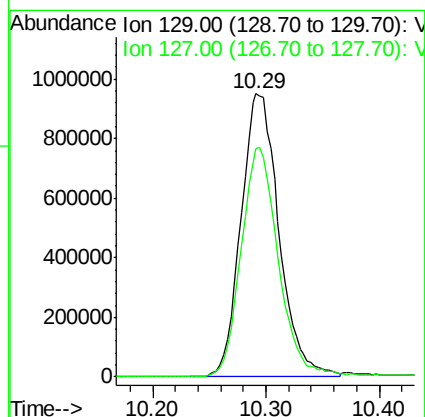
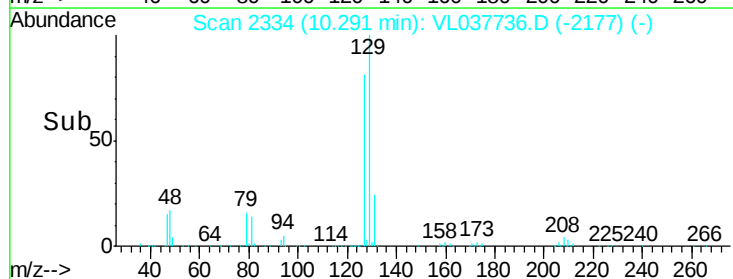
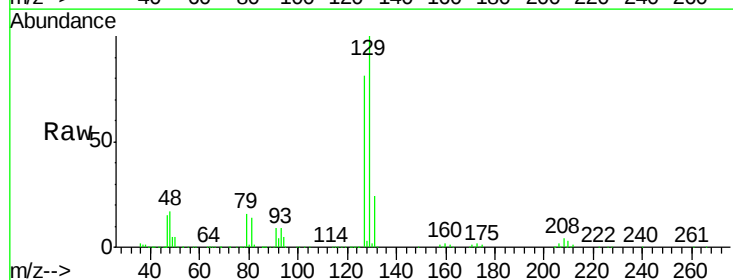
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

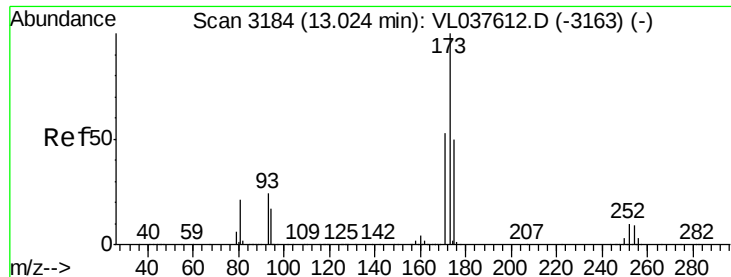
Tgt Ion: 97 Resp: 1415023
 Ion Ratio Lower Upper
 97 100
 83 87.1 67.9 101.9
 85 58.0 44.8 67.2
 99 61.9 50.1 75.1



#48
 Dibromochloromethane
 Concen: 12.054 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 129 Resp: 2221603
 Ion Ratio Lower Upper
 129 100
 127 80.2 39.3 117.8





#49

Bromoform

Concen: 6.922 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

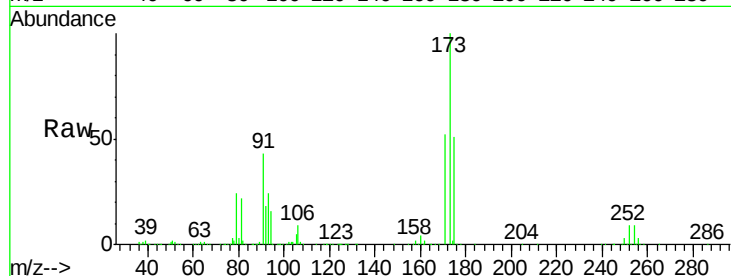
Tgt Ion:173 Resp: 1021041

Ion Ratio Lower Upper

173 100

175 93.5 39.8 59.8#

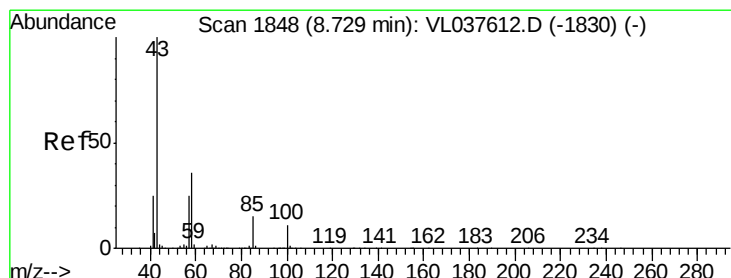
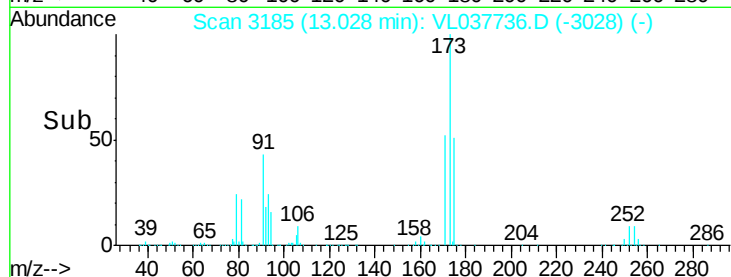
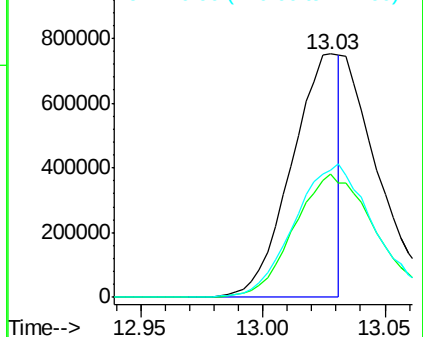
171 97.9 42.2 63.4#



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: 12.017 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL037736.D

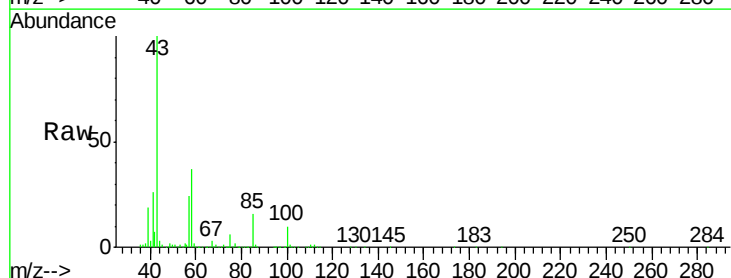
Acq: 30 Sep 2021 10:36

Tgt Ion: 43 Resp: 2317810

Ion Ratio Lower Upper

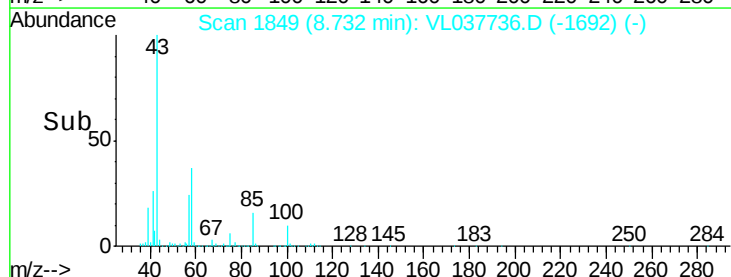
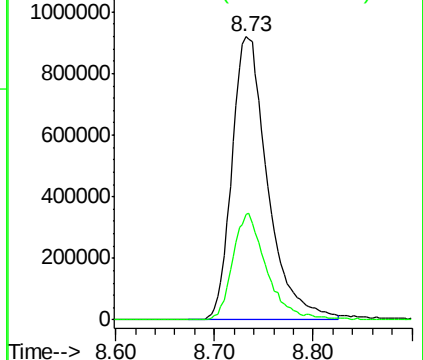
43 100

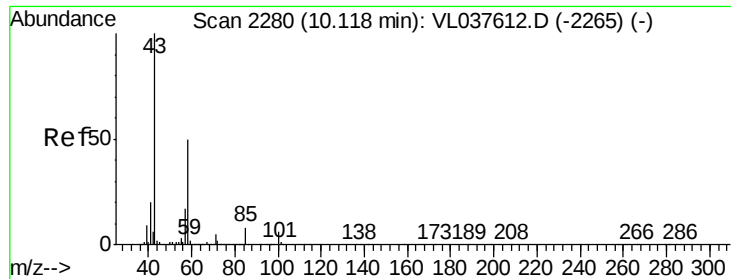
58 36.1 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

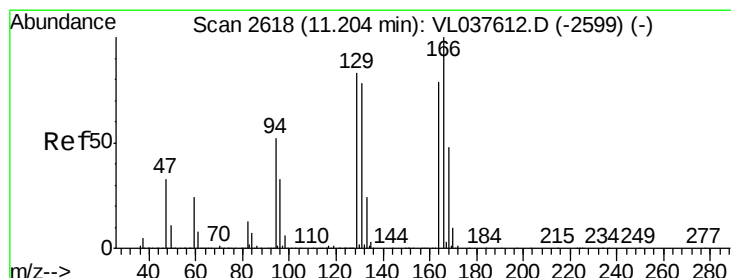
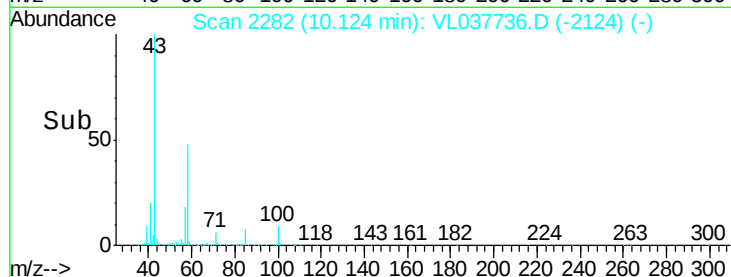
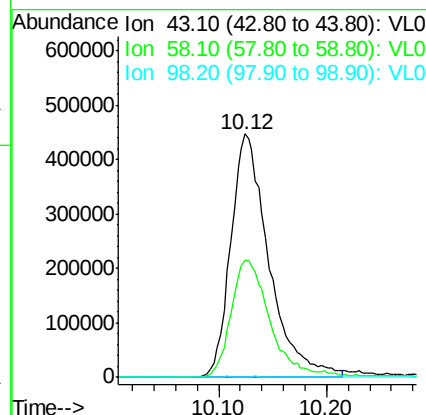
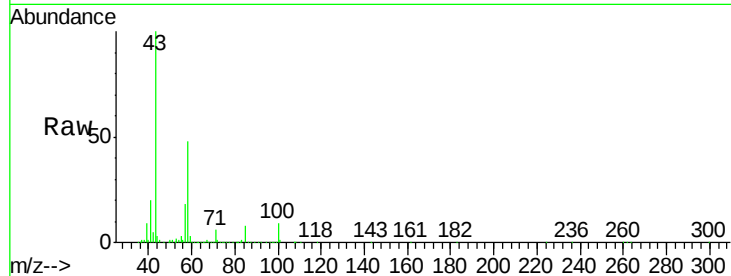




#51
2-Hexanone
Concen: 12.903 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

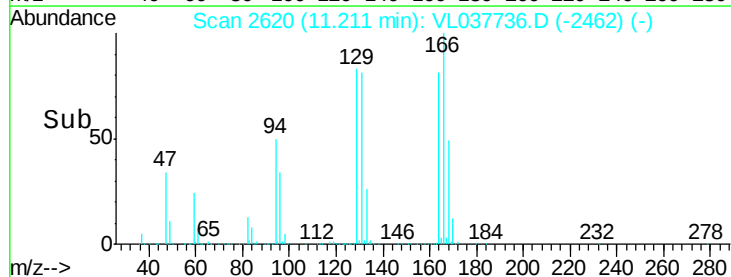
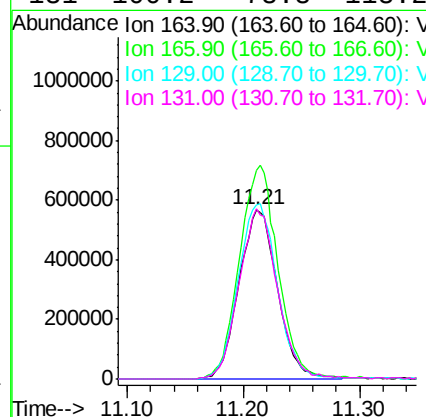
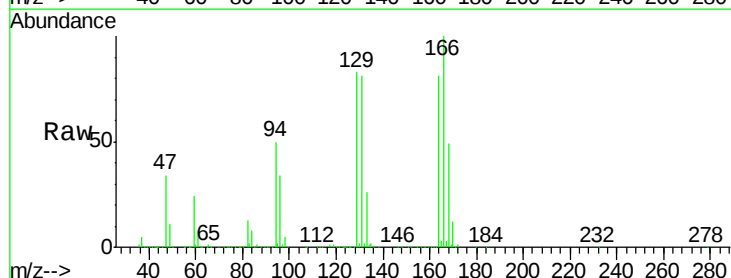
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

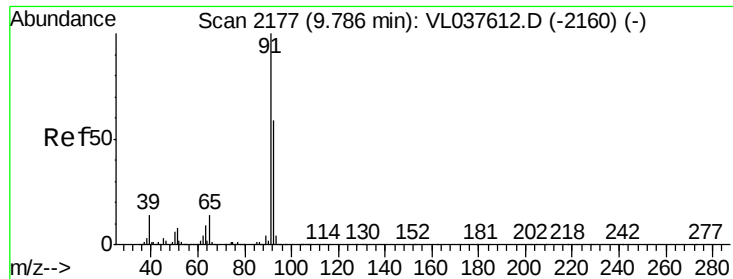
Tgt Ion: 43 Resp: 1097974
Ion Ratio Lower Upper
43 100
58 50.7 39.3 58.9
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.920 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 164 Resp: 1307226
Ion Ratio Lower Upper
164 100
166 123.4 101.2 151.8
129 103.1 84.0 126.0
131 100.2 78.8 118.2





#53

Toluene

Concen: 11.873 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

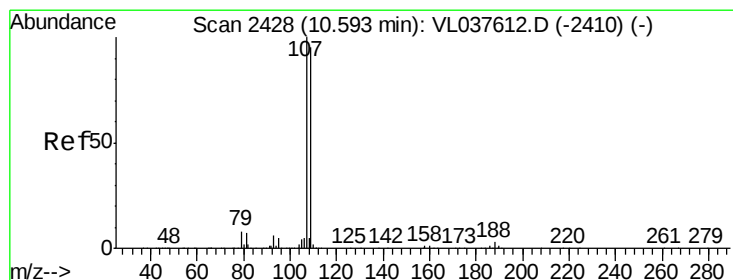
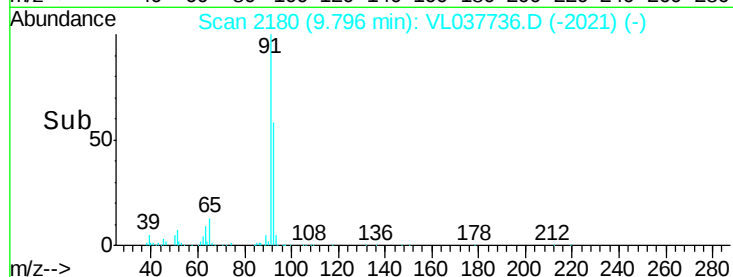
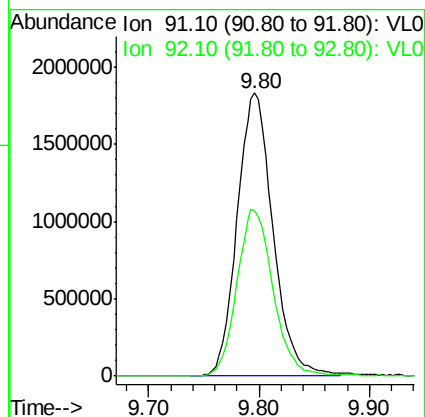
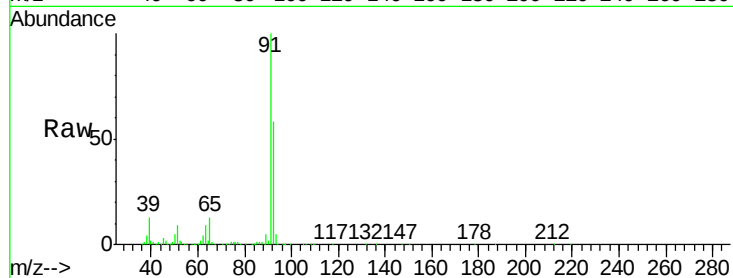
VSTDCCC010EC

Tgt Ion: 91 Resp: 4114882

Ion Ratio Lower Upper

91 100

92 60.0 48.9 73.3



#54

1,2-Dibromoethane

Concen: 11.238 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.01 min

Lab File: VL037736.D

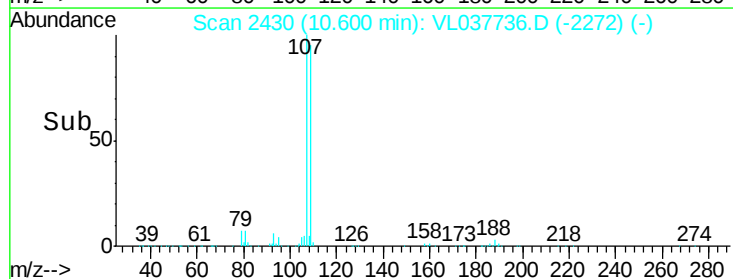
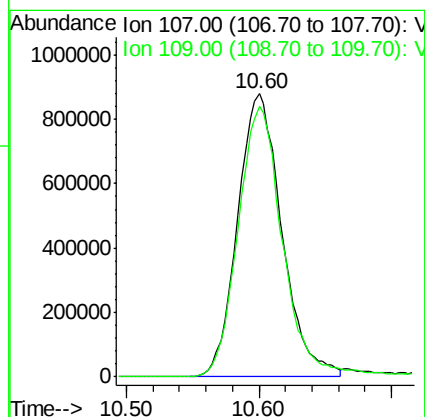
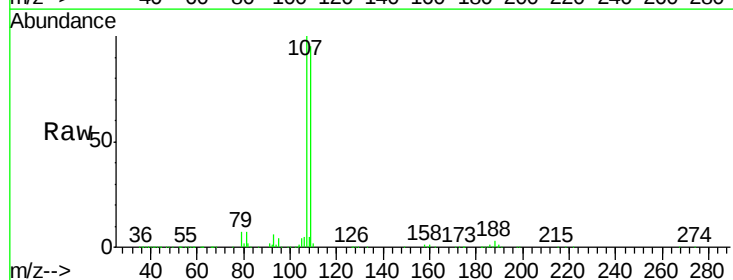
Acq: 30 Sep 2021 10:36

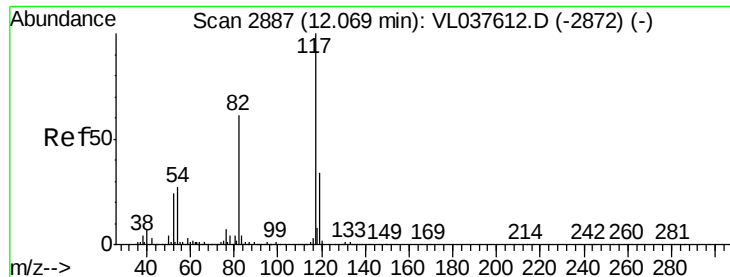
Tgt Ion: 107 Resp: 2032787

Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0

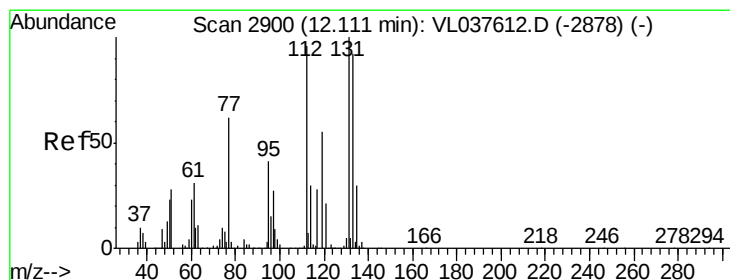
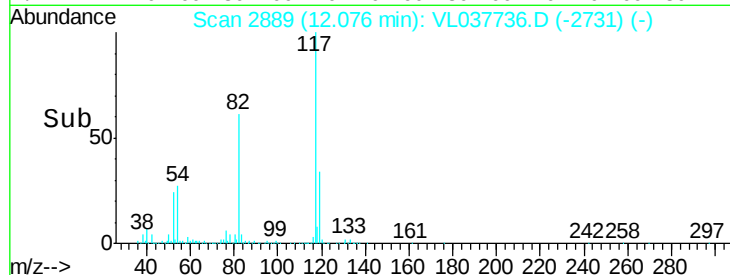
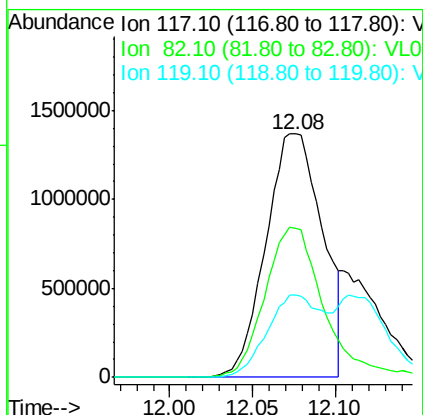
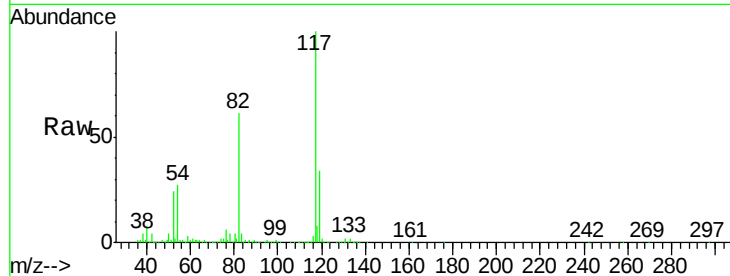




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

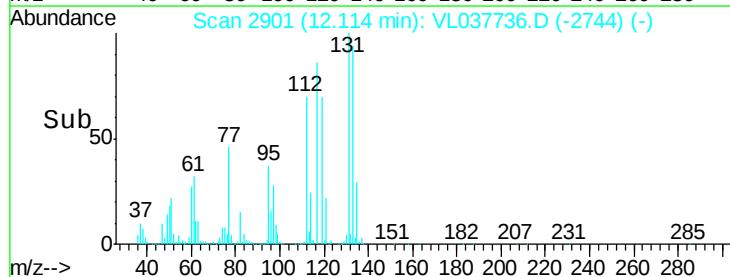
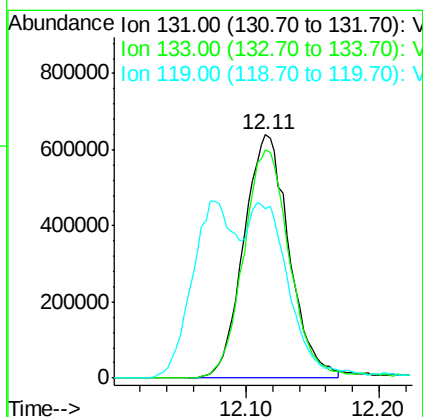
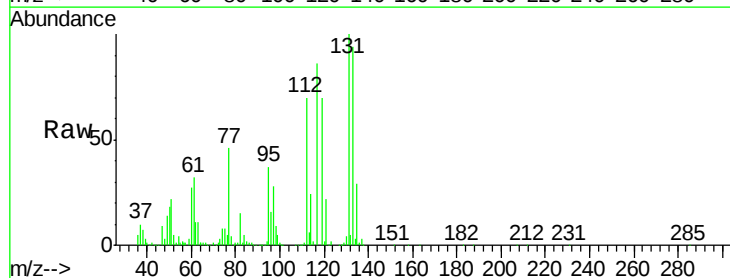
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

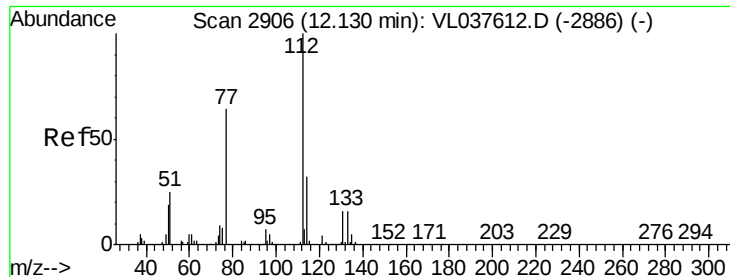
Tgt Ion:117 Resp: 3251221
Ion Ratio Lower Upper
117 100
82 66.3 50.6 75.8
119 32.4 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 11.267 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion:131 Resp: 1519512
Ion Ratio Lower Upper
131 100
133 96.5 76.8 115.2
119 66.5 47.8 71.8





#57

Chlorobenzene

Concen: 11.064 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

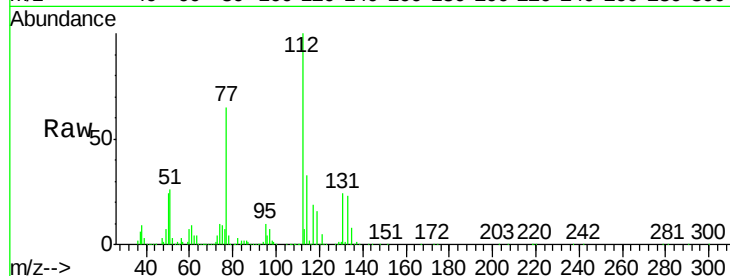
Tgt Ion: 112 Resp: 2990449

Ion Ratio Lower Upper

112 100

77 63.4 52.1 78.1

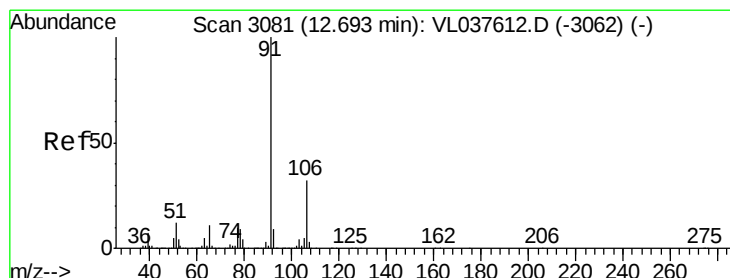
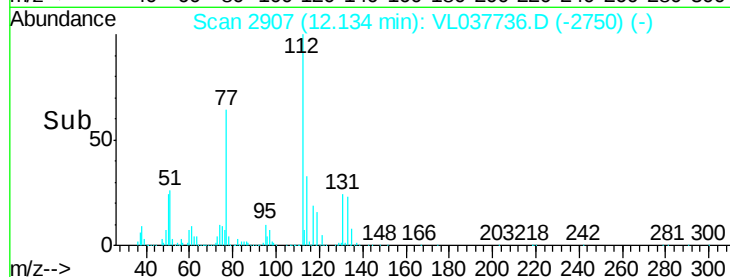
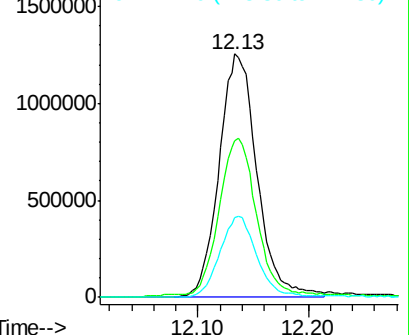
114 32.5 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.027 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VL037736.D

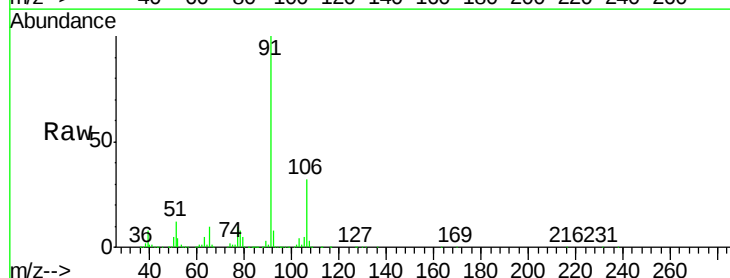
Acq: 30 Sep 2021 10:36

Tgt Ion: 91 Resp: 5190533

Ion Ratio Lower Upper

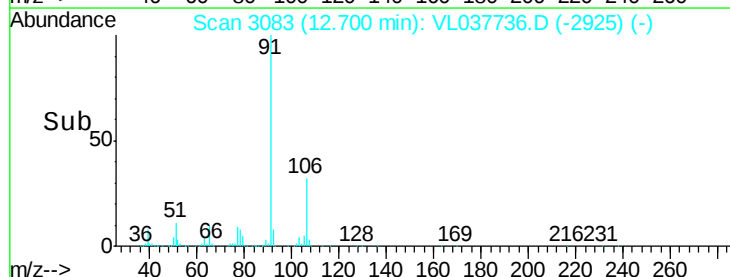
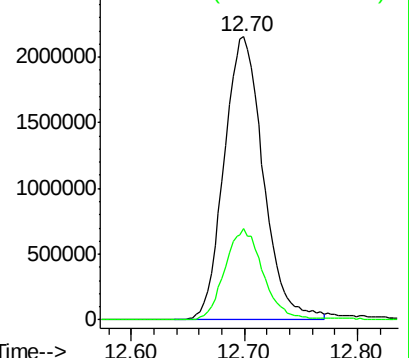
91 100

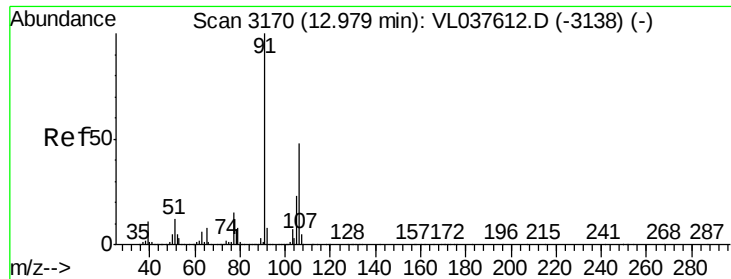
106 32.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

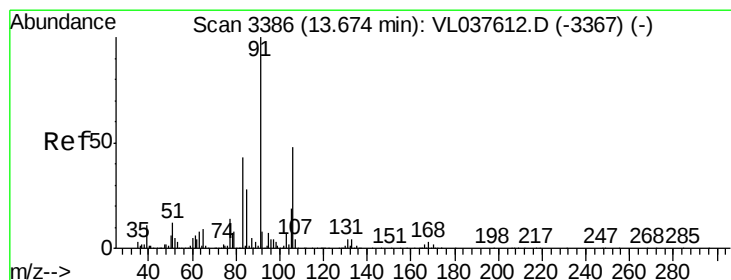
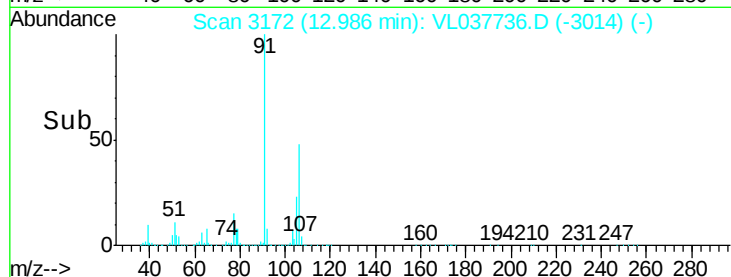
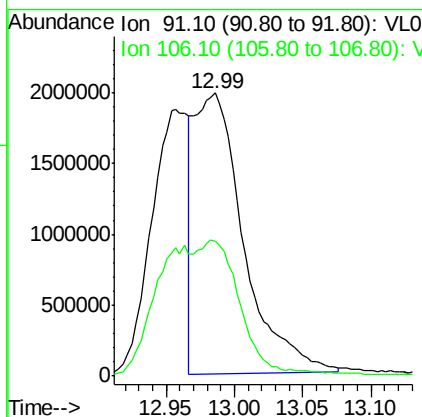
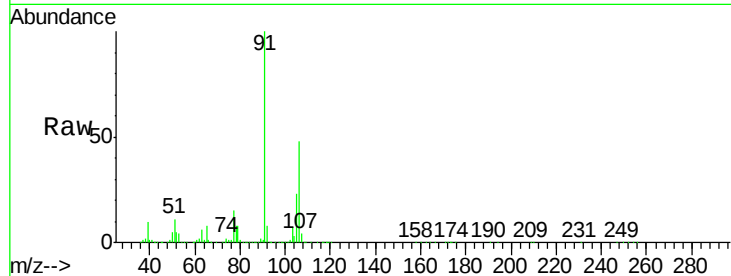




#59
m/p-Xylene
Concen: 13.153 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

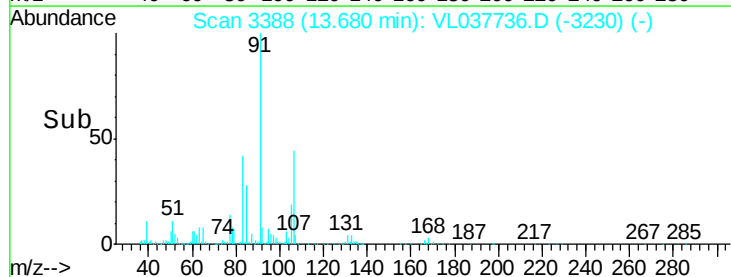
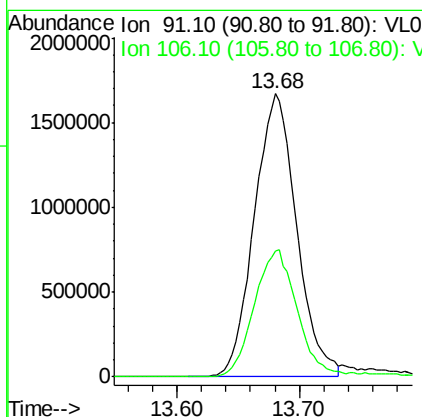
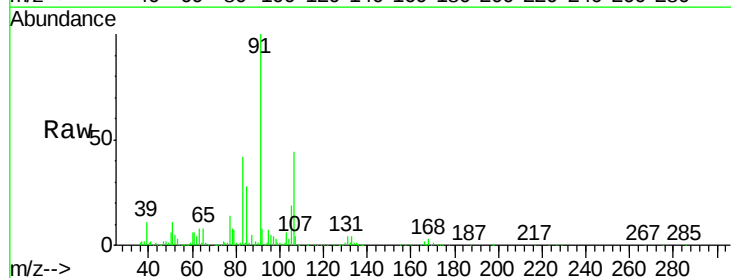
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

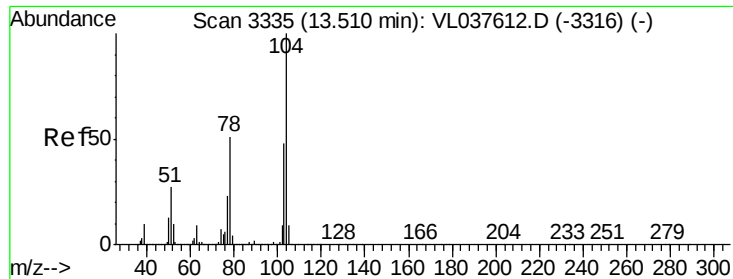
Tgt Ion: 91 Resp: 4947029
Ion Ratio Lower Upper
91 100
106 80.7 36.6 55.0#



#60
o-Xylene
Concen: 11.202 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 91 Resp: 4009898
Ion Ratio Lower Upper
91 100
106 47.4 23.0 69.0





#61

Styrene

Concen: 13.307 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

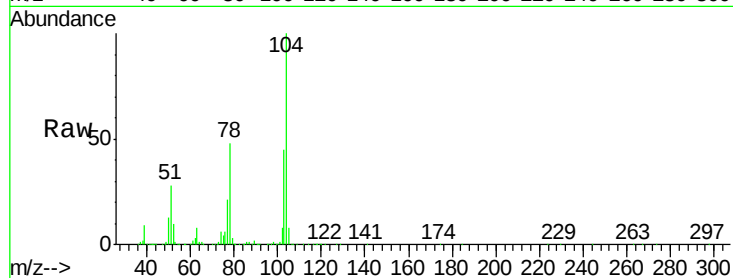
Tgt Ion:104 Resp: 2348852

Ion Ratio Lower Upper

104 100

78 50.2 39.7 59.5

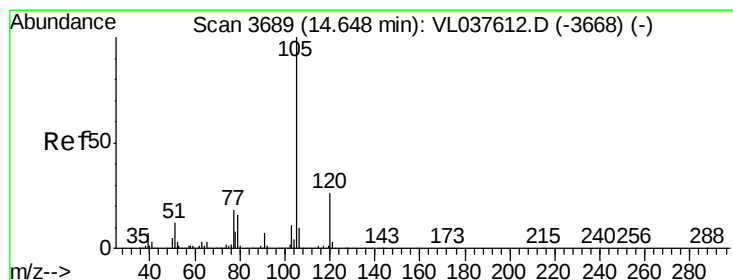
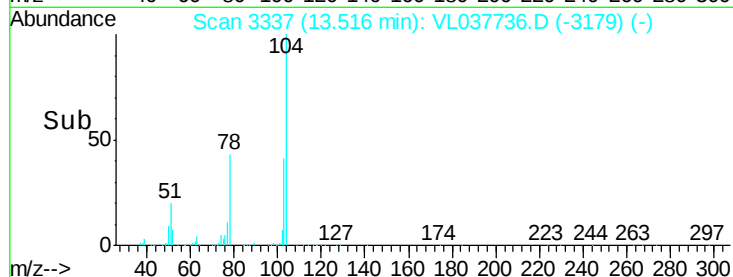
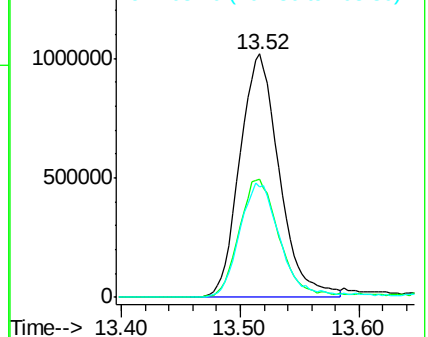
103 49.2 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.278 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.01 min

Lab File: VL037736.D

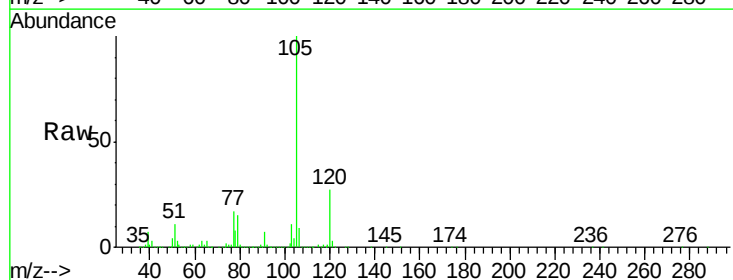
Acq: 30 Sep 2021 10:36

Tgt Ion:105 Resp: 5640076

Ion Ratio Lower Upper

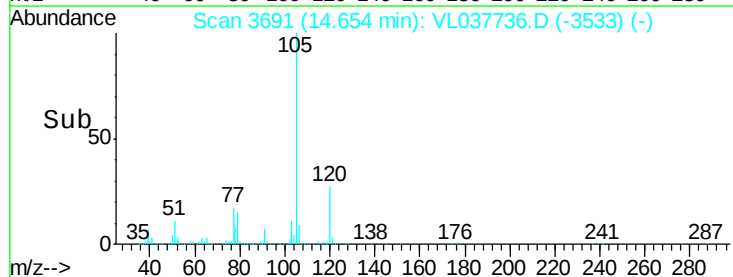
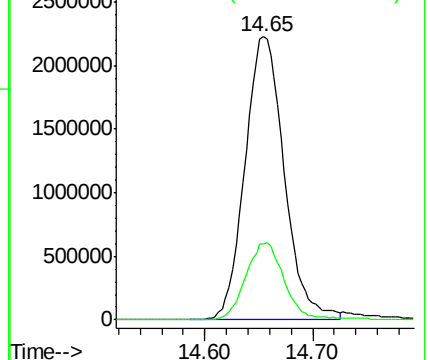
105 100

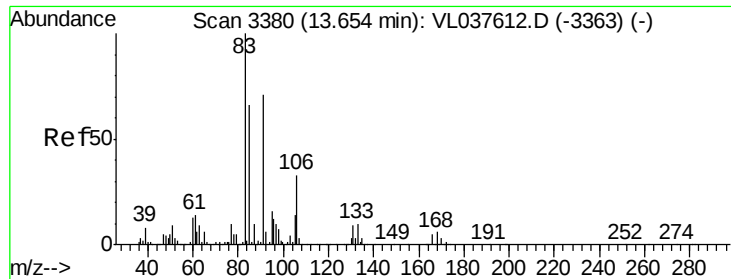
120 27.2 21.4 32.0



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: 10.416 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

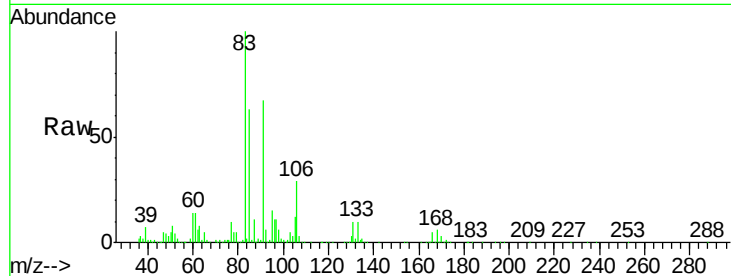
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2917965

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	67.0	33.3	99.9



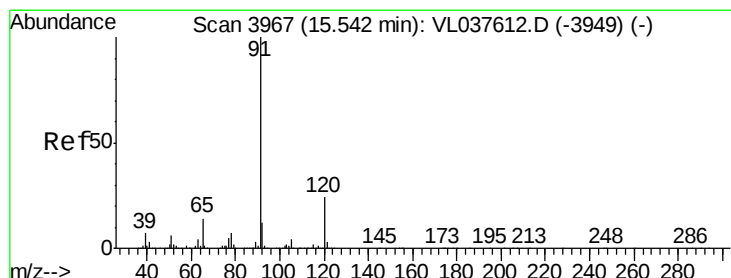
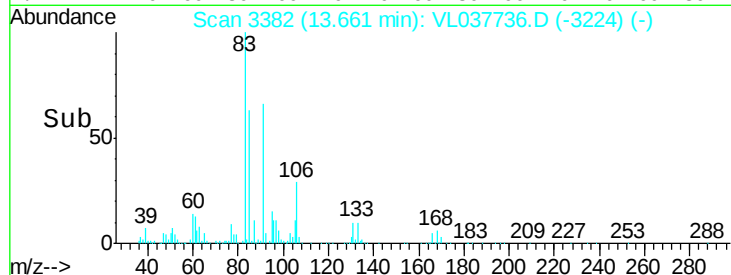
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

13.66

Time-->



#64

n-propylbenzene

Concen: 12.047 ppbv

RT: 15.55 min Scan# 3969

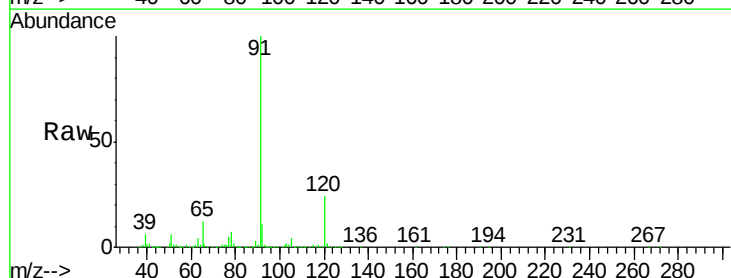
Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Tgt Ion: 120 Resp: 1554596

Ion	Ratio	Lower	Upper
120	100		
91	450.7	345.0	517.4

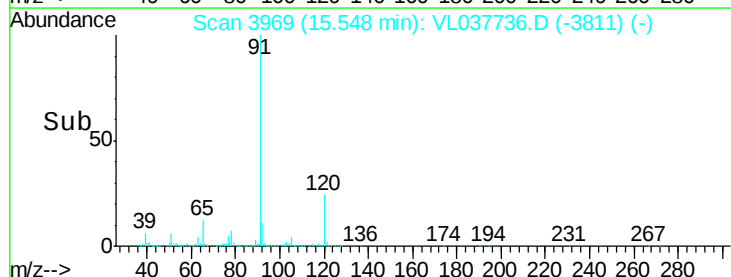


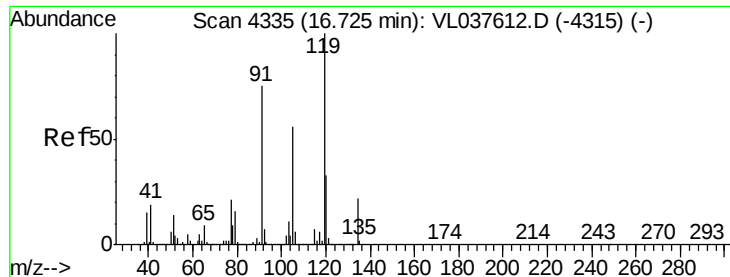
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.55

Time-->

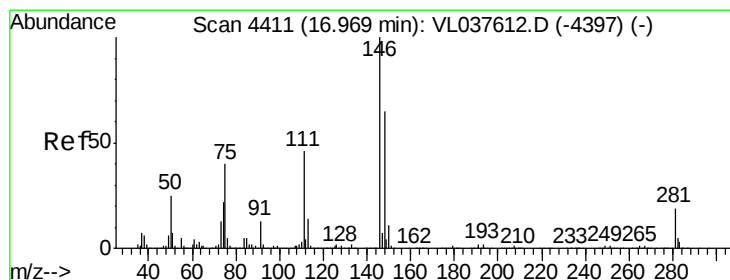
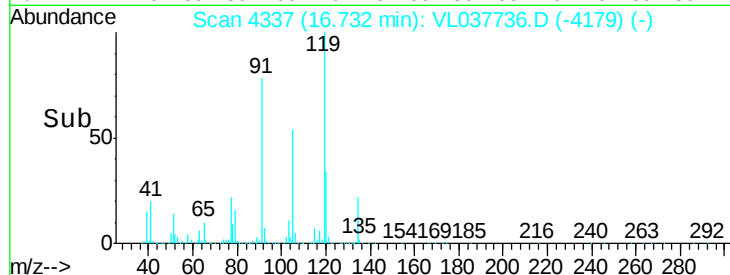
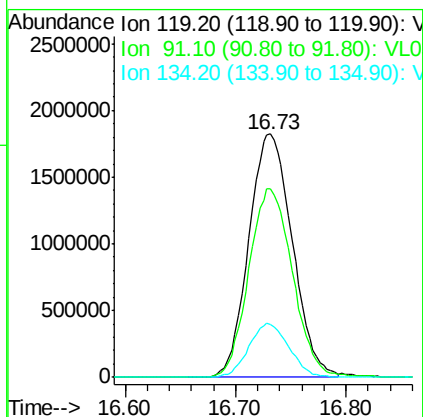
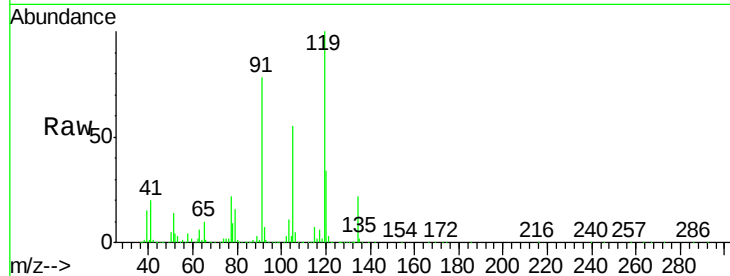




#65
 tert-Butylbenzene
 Concen: 11.038 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

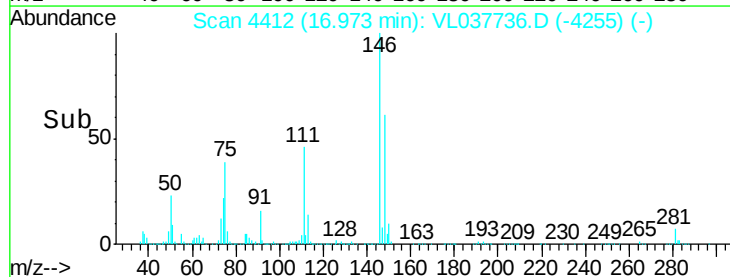
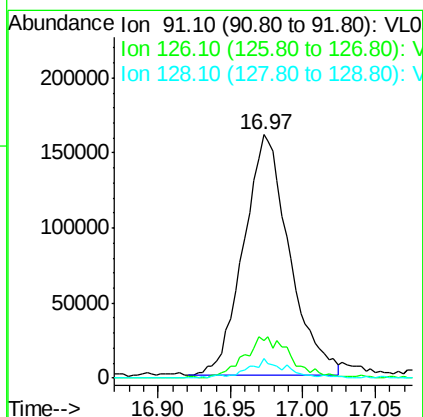
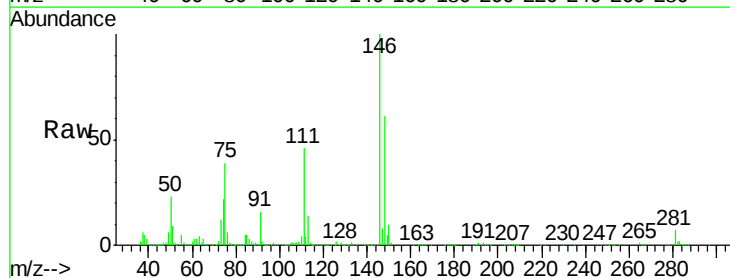
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

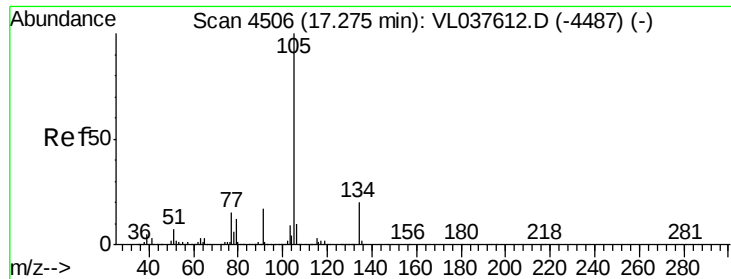
Tgt Ion: 119 Resp: 4976964
 Ion Ratio Lower Upper
 119 100
 91 78.1 61.9 92.9
 134 20.6 16.5 24.7



#66
 Benzyl Chloride
 Concen: 14.262 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. 0.00 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 91 Resp: 351422
 Ion Ratio Lower Upper
 91 100
 126 18.4 14.4 21.6
 128 6.8 5.7 8.5

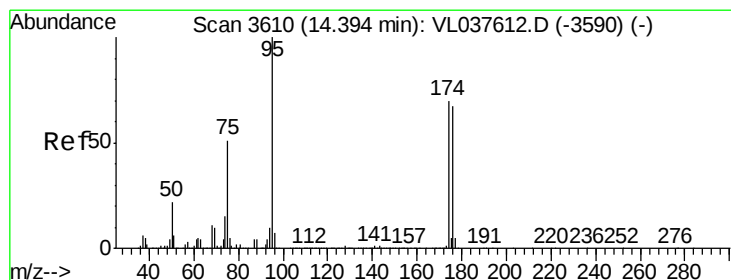
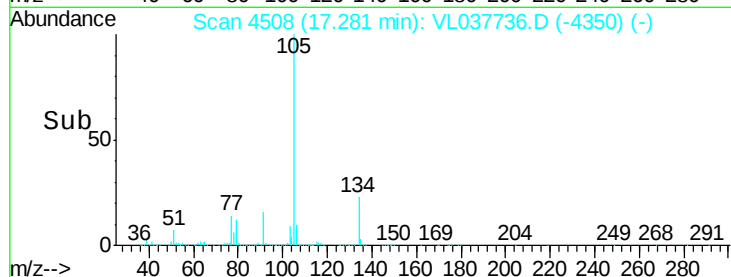
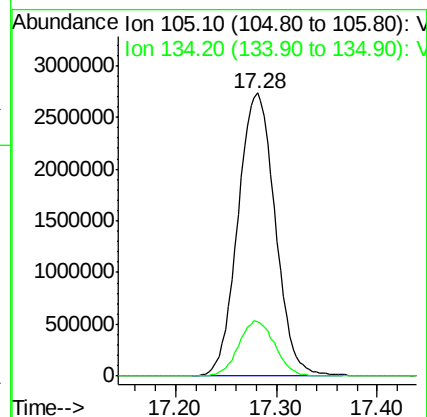
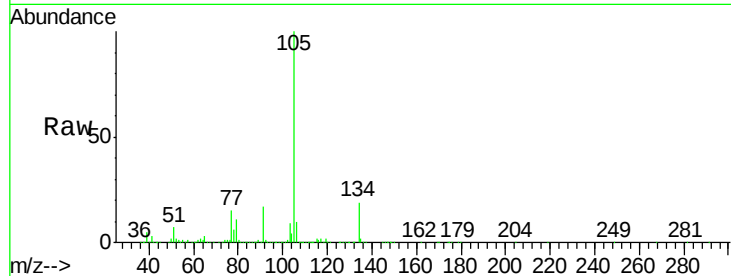




#67
 sec-Butylbenzene
 Concen: 11.404 ppbv
 RT: 17.28 min Scan# 4508
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

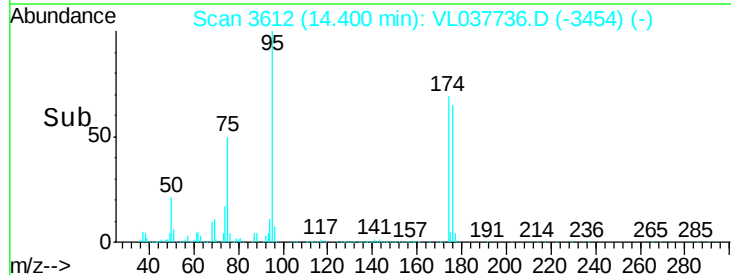
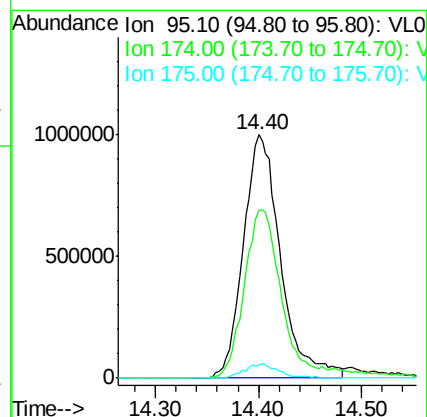
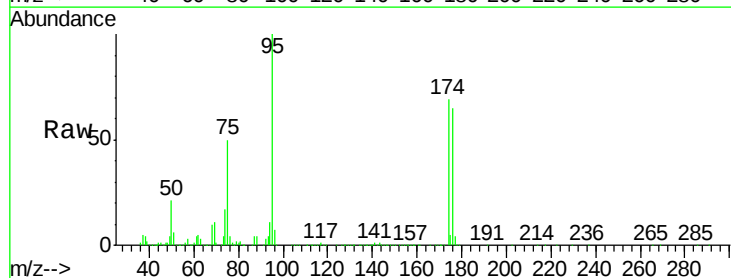
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

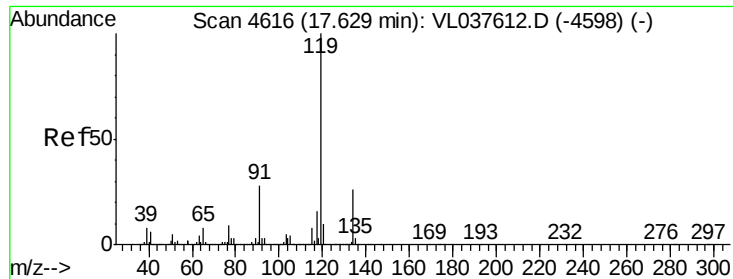
Tgt Ion: 105 Resp: 6976335
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.628 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 95 Resp: 2497169
 Ion Ratio Lower Upper
 95 100
 174 73.2 56.3 84.5
 175 5.7 4.4 6.6

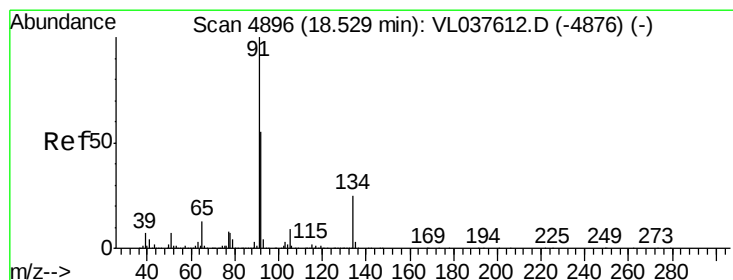
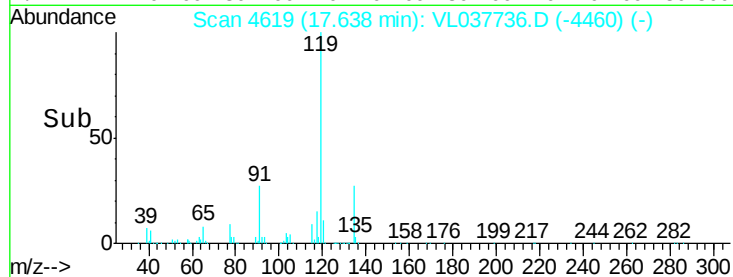
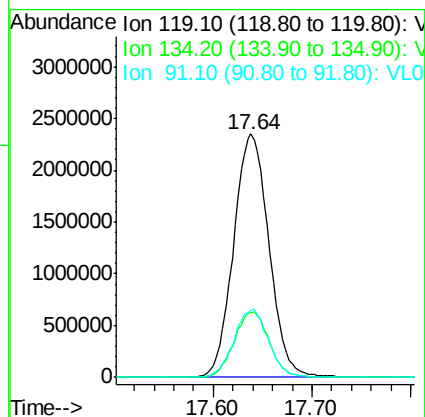
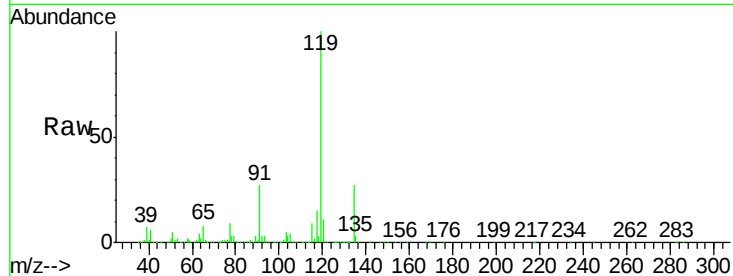




#69
p-Isopropyltoluene
Concen: 11.687 ppbv
RT: 17.64 min Scan# 4619
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

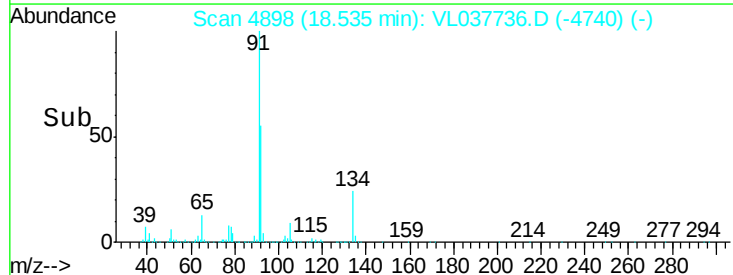
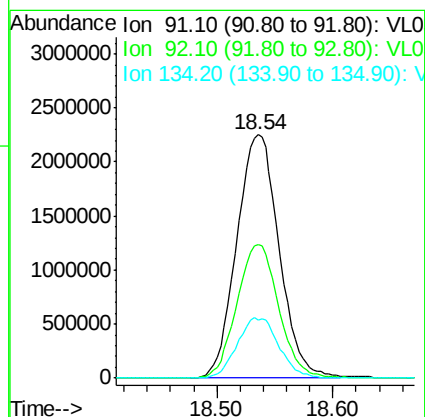
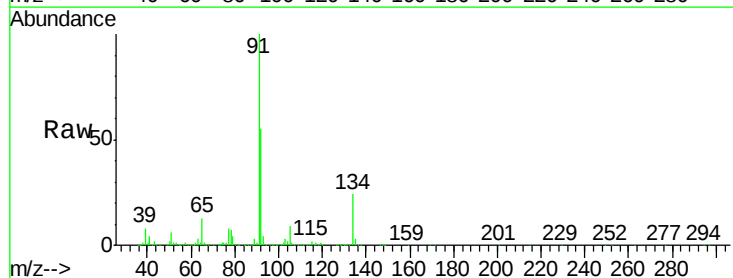
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

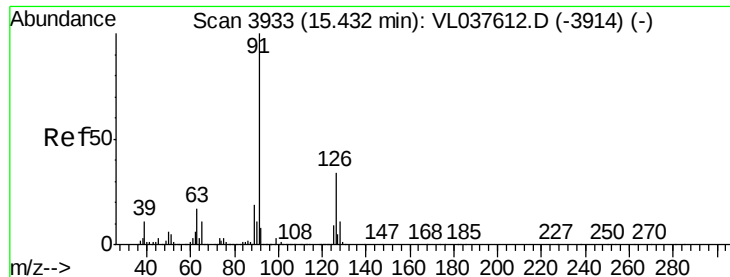
Tgt Ion: 119 Resp: 5840694
Ion Ratio Lower Upper
119 100
134 26.6 21.2 31.8
91 27.4 22.2 33.2



#70
n-Butylbenzene
Concen: 12.010 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.01 min
Lab File: VL037736.D
Acq: 30 Sep 2021 10:36

Tgt Ion: 91 Resp: 5679114
Ion Ratio Lower Upper
91 100
92 54.7 44.0 66.0
134 24.7 19.5 29.3

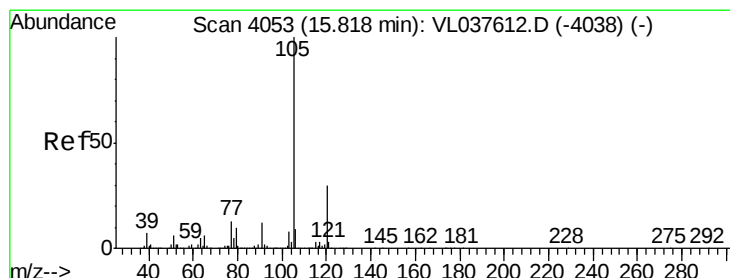
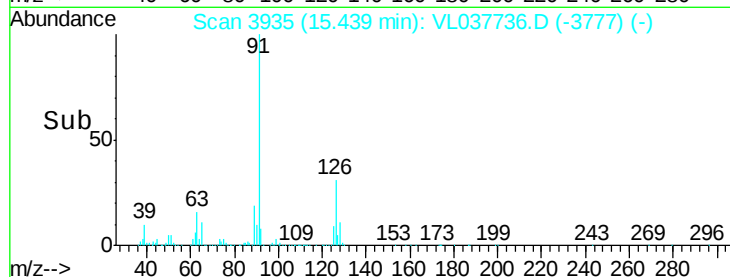
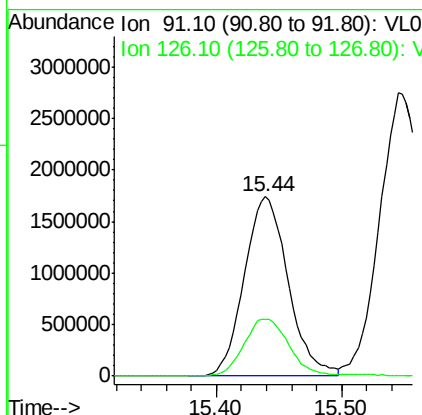
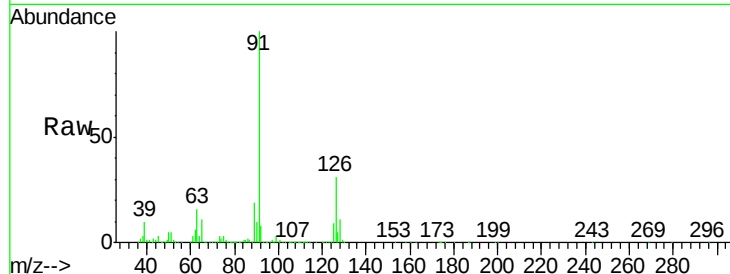




#71
 2-Chlorotoluene
 Concen: 11.800 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

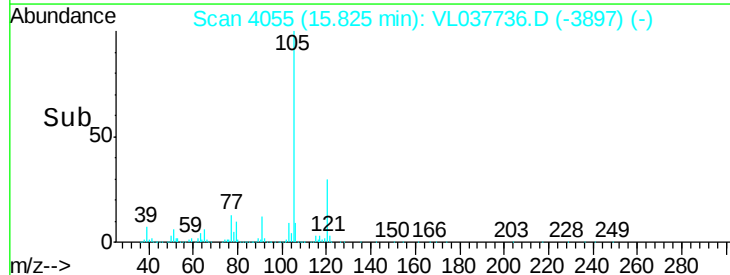
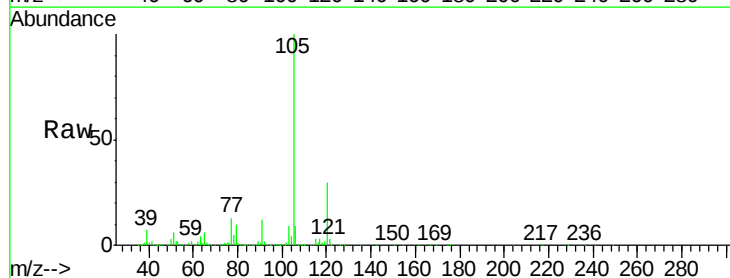
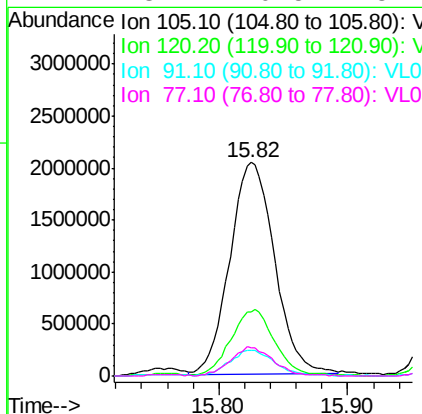
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

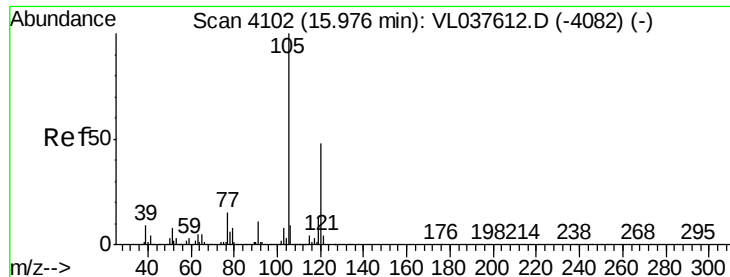
Tgt Ion: 91 Resp: 4228829
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.2 52.8



#72
 4-Ethyltoluene
 Concen: 11.968 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. 0.01 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion: 105 Resp: 4918131
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.7 37.1
 91 11.8 9.9 14.9
 77 13.1 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 11.450 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

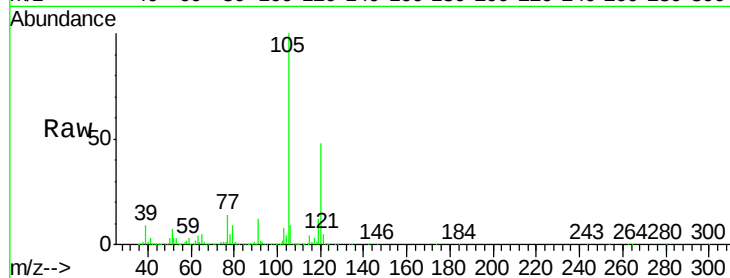
VSTDCCC010EC

Tgt Ion:105 Resp: 4385726

Ion Ratio Lower Upper

105 100

120 47.9 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2000000

1500000

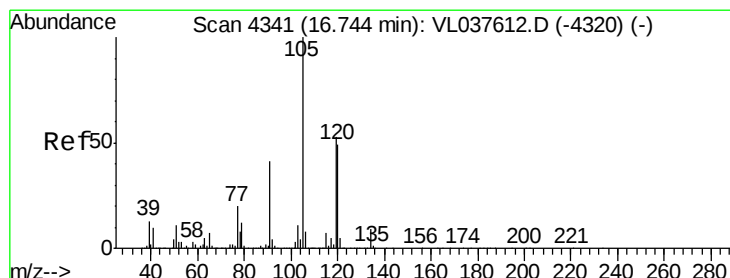
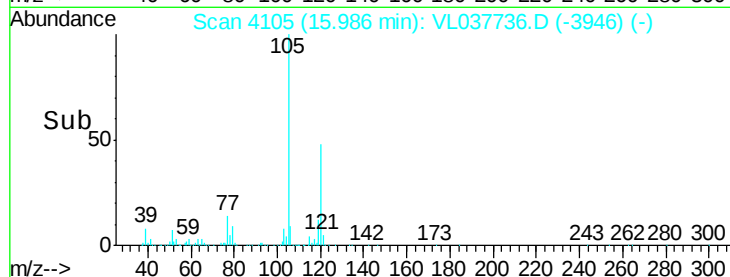
1000000

500000

0

Time-->

15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 11.344 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Tgt Ion:105 Resp: 4576663

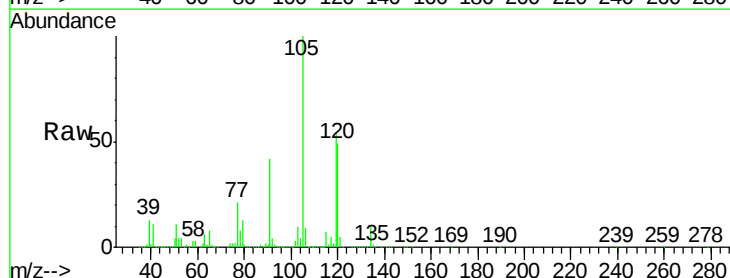
Ion Ratio Lower Upper

105 100

120 48.7 39.4 59.0

91 41.3 33.3 49.9

77 20.7 15.7 23.5



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

3000000

2500000

2000000

1500000

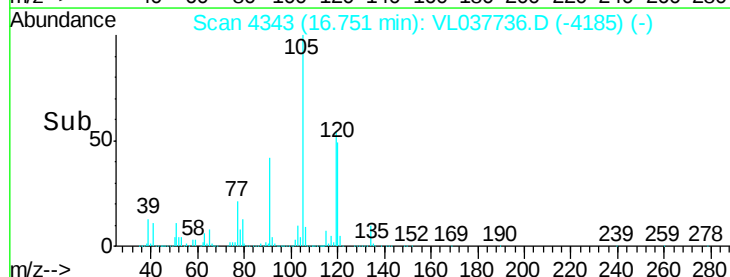
1000000

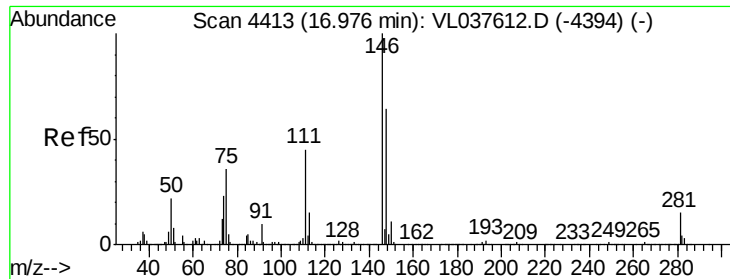
500000

0

Time-->

16.70 16.75 16.80

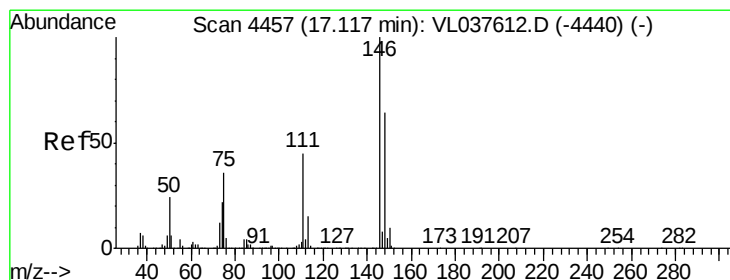
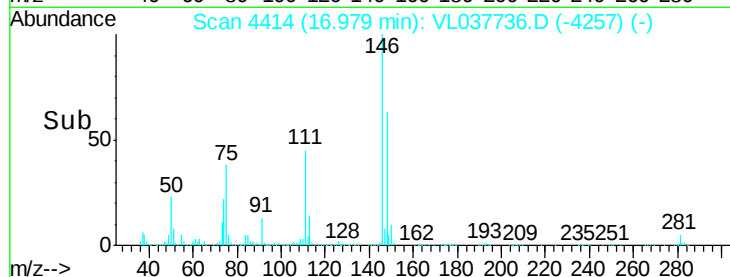
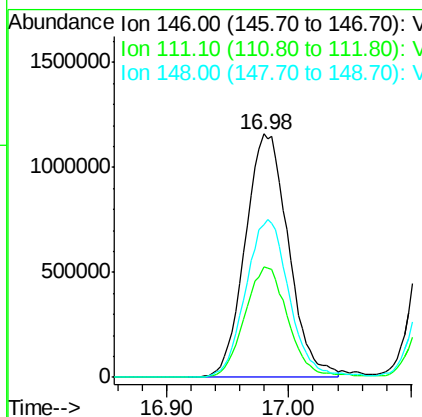
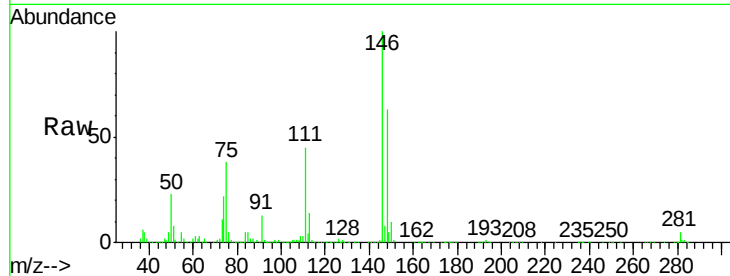




#75
 1,3-Dichlorobenzene
 Concen: 11.350 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. 0.00 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

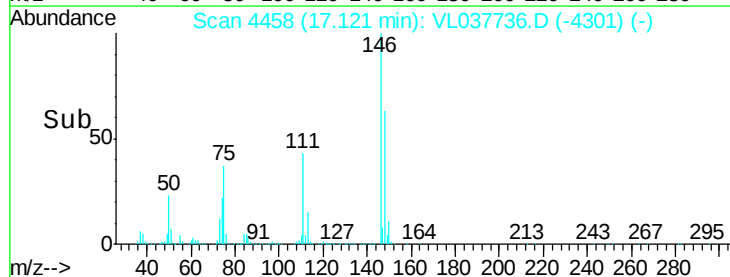
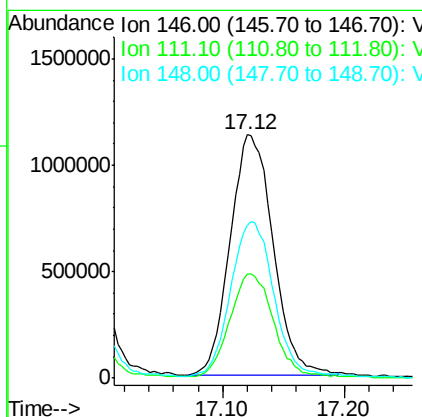
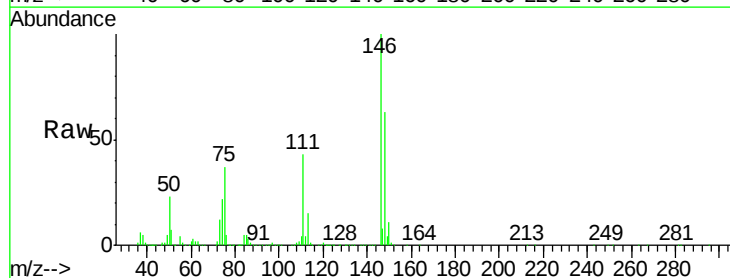
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

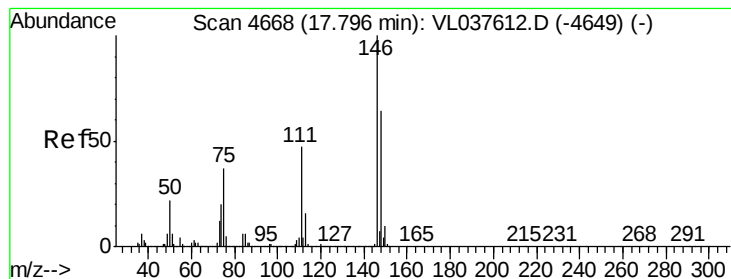
Tgt Ion:146 Resp: 2844854
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.8 68.3
 148 65.3 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 11.155 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.00 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Tgt Ion:146 Resp: 2757684
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.5 67.5
 148 67.0 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 11.443 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.00 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

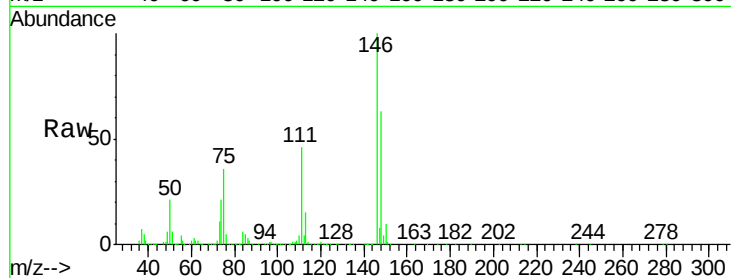
Tgt Ion:146 Resp: 2720473

Ion Ratio Lower Upper

146 100

111 46.5 24.0 72.0

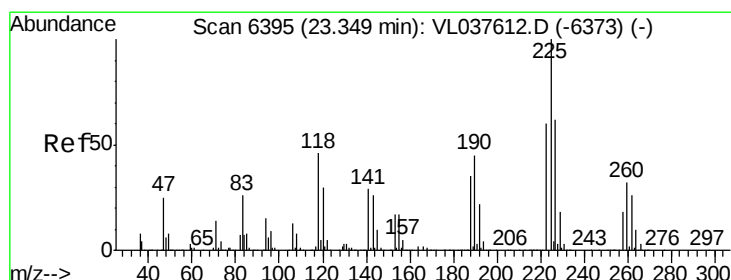
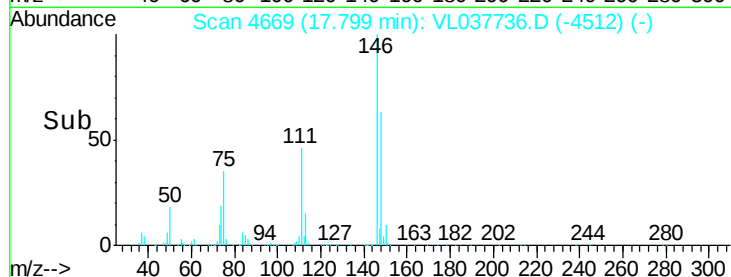
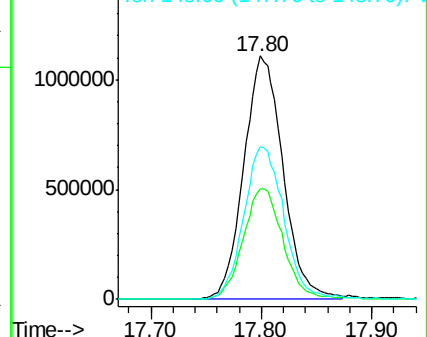
148 64.6 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.824 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

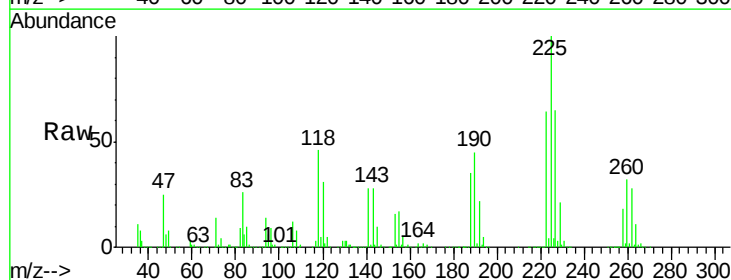
Tgt Ion:225 Resp: 1965756

Ion Ratio Lower Upper

225 100

223 64.7 51.1 76.7

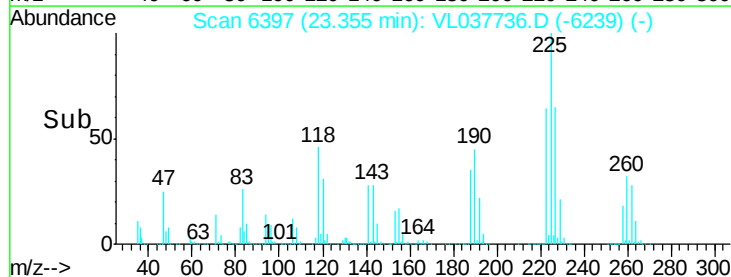
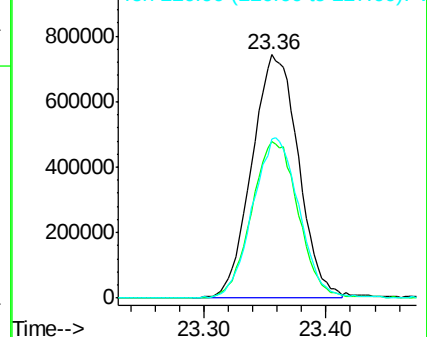
227 65.8 52.2 78.4

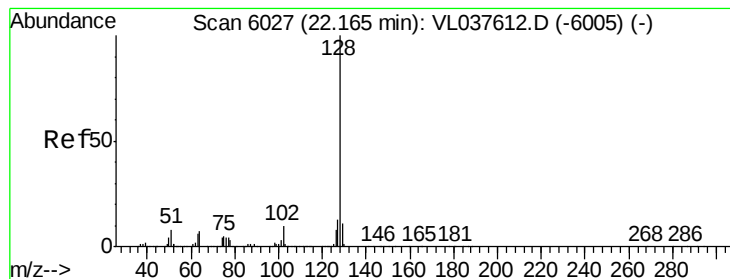


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.289 ppbv

RT: 22.18 min Scan# 6030

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

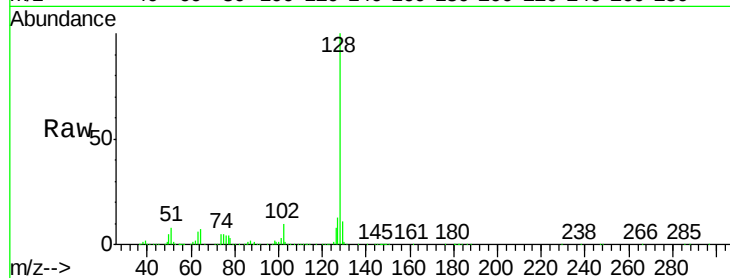
Tgt Ion:128 Resp: 3291875

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

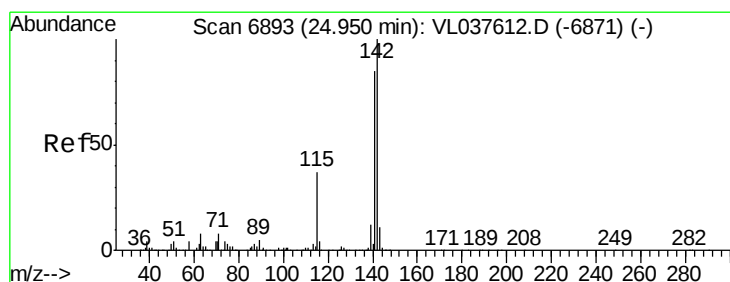
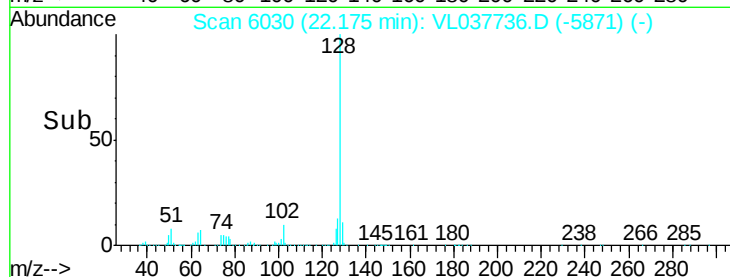
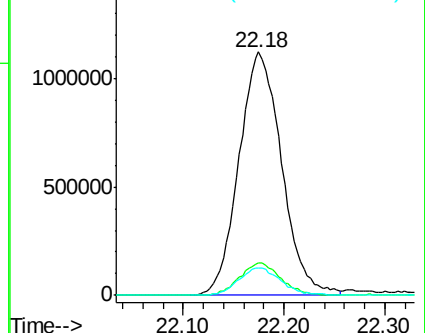
129 11.3 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.652 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL037736.D

Acq: 30 Sep 2021 10:36

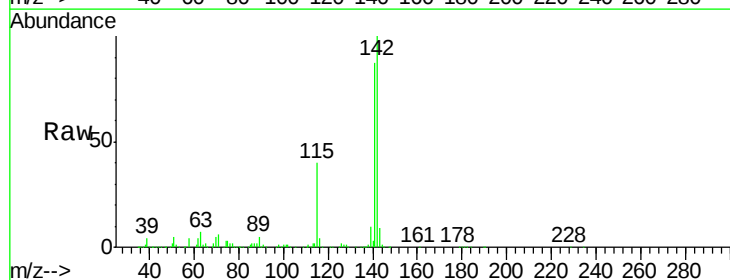
Tgt Ion:142 Resp: 999422

Ion Ratio Lower Upper

142 100

141 86.9 70.9 106.3

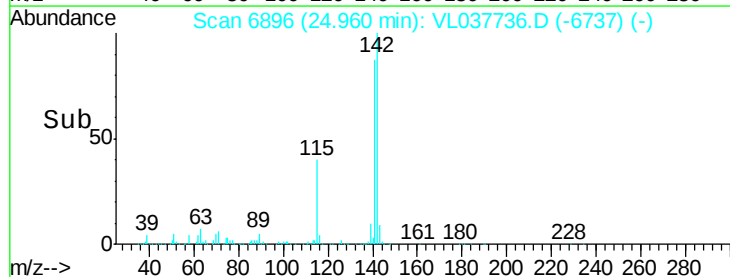
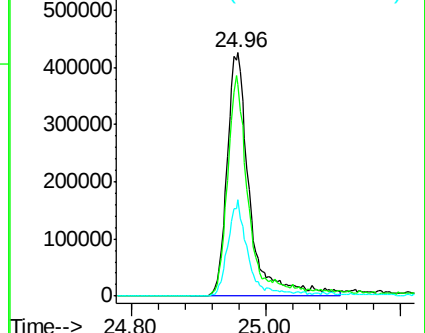
115 36.3 29.6 44.4

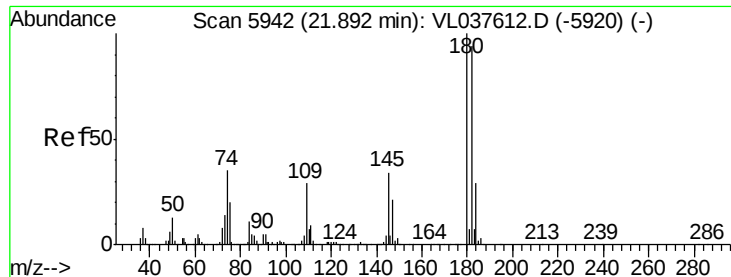


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 12.274 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.02 min
 Lab File: VL037736.D
 Acq: 30 Sep 2021 10:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1952081
 Ion Ratio Lower Upper
 180 100
 182 97.6 78.9 118.3
 184 30.7 24.7 37.1

