

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037640.D
 Acq On : 17 Sep 2021 13:45
 Operator : SY/AP
 Sample : VL0917ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 06:17:38 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	5.65	49	1442966	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4264216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1901862	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2908307	21.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	211.60%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1916195	7.339	ppbv	99
3) Chlorodifluoromethane	2.98	51	2736161	10.053	ppbv	100
4) Chloromethane	3.13	50	982885	9.774	ppbv	98
5) Vinyl Chloride	3.25	62	1020387	10.803	ppbv	98
6) Bromomethane	3.46	94	554580	10.102	ppbv	96
7) Chloroethane	3.55	64	343421	9.729	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2251909	9.997	ppbv	99
9) Propene	3.00	41	963869	10.039	ppbv	98
10) Heptane	8.10	43	2471843	11.034	ppbv	99
11) Trichlorofluoromethane	3.93	101	2086935	9.955	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1607818	10.391	ppbv	98
13) Ethanol	3.60	45	58984	6.281	ppbv #	44
14) Bromoethene	3.73	108	691826	9.822	ppbv	98
15) Acetone	3.83	43	1228269	8.193	ppbv	100
16) 1,3-Butadiene	3.31	39	983287	10.496	ppbv	100
17) tert-Butyl alcohol	4.27	59	1415764	11.136	ppbv	100
18) 1,1-Dichloroethene	4.27	96	717502	9.954	ppbv	97
19) Isopropyl Alcohol	3.95	45	871973	10.689	ppbv #	97
20) Methylene Chloride	4.33	84	604857	8.451	ppbv	99
21) Allyl Chloride	4.39	41	1177909	10.517	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	758740	10.462	ppbv	99
23) Vinyl Acetate	5.06	43	1961543	9.455	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1484836	9.991	ppbv	98
25) Ethyl Acetate	5.66	43	3847567	10.596	ppbv	99
26) Hexane	5.67	57	1778705	10.312	ppbv	97
27) Carbon Disulfide	4.54	76	1803011	11.426	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1543485	10.160	ppbv	99
29) Chloroform	5.74	83	2573272	10.217	ppbv	100
30) Cyclohexane	7.11	84	1532771	10.390	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1710183	10.922	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2487444	10.608	ppbv	100
34) 2-Butanone	5.22	43	1680186	9.696	ppbv	100
35) Carbon Tetrachloride	7.00	117	2583845	10.712	ppbv	98
36) Benzene	6.87	78	3776728	10.621	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1866039	10.670	ppbv	99
38) Trichloroethene	7.82	130	1479181	9.958	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1420167	10.428	ppbv	98
40) 1,4-Dioxane	7.81	88	161261	4.868	ppbv #	1
41) Tetrahydrofuran	6.03	42	873671	10.725	ppbv	99
42) Bromodichloromethane	7.77	83	2729195	10.888	ppbv	99
43) Methyl Methacrylate	8.00	69	1351807	11.428	ppbv	99

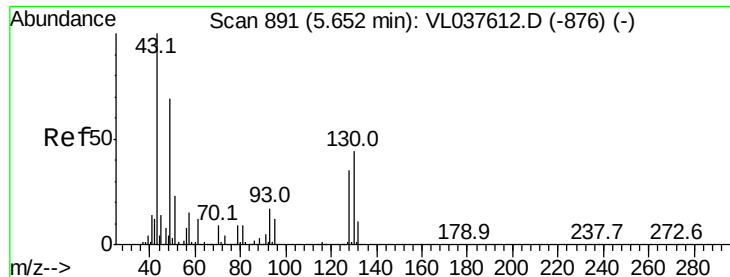
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
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 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6268367	10.486	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1136666	12.233	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1542481	12.289	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1516684	10.067	ppbv	98
48) Dibromochloromethane	10.28	129	2357802	11.218	ppbv	100
49) Bromoform	13.02	173	1884416	11.202	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2432583	11.060	ppbv	99
51) 2-Hexanone	10.12	43	1085749	11.188	ppbv #	98
52) Tetrachloroethene	11.20	164	1384749	10.144	ppbv	99
53) Toluene	9.79	91	4328223	10.951	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2149667	10.421	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	778004	9.862	ppbv #	1
57) Chlorobenzene	12.13	112	3138277	19.848	ppbv	99
58) Ethyl Benzene	12.69	91	5492063	21.754	ppbv	98
59) m/p-Xylene	12.98	91	4867244	22.123	ppbv #	39
60) o-Xylene	13.67	91	4285702	20.466	ppbv	99
61) Styrene	13.51	104	2417307	23.411	ppbv	99
62) Isopropylbenzene	14.64	105	5873922	20.079	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2943800	17.963	ppbv	100
64) n-propylbenzene	15.54	120	1523963	20.188	ppbv	82
65) tert-Butylbenzene	16.73	119	5169988	19.602	ppbv	100
66) Benzyl Chloride	16.97	91	311535	21.614	ppbv	97
67) sec-Butylbenzene	17.27	105	7145061	19.967	ppbv	99
69) p-Isopropyltoluene	17.63	119	6003725	20.536	ppbv	100
70) n-Butylbenzene	18.53	91	5846934	21.138	ppbv	100
71) 2-Chlorotoluene	15.43	91	4238408	20.218	ppbv	98
72) 4-Ethyltoluene	15.82	105	5056577	21.036	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4469848	19.950	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4704660	19.935	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	2843323	19.392	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2720746	18.814	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2726868	19.608	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2205287	18.841	ppbv	100
79) Naphthalene	22.16	128	3908211	26.971	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1105593	33.381	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	2247314	24.156	ppbv	98

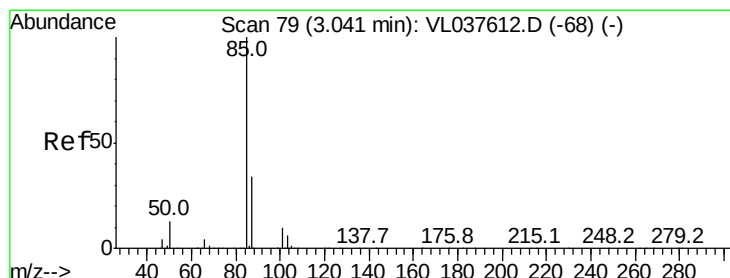
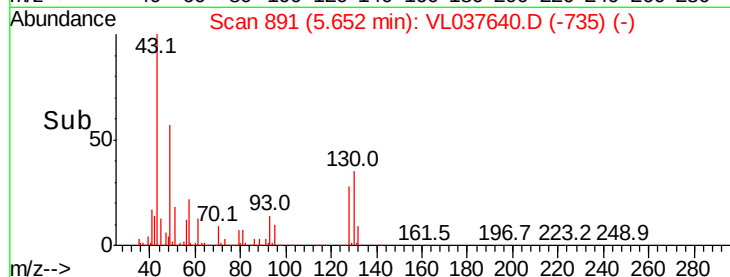
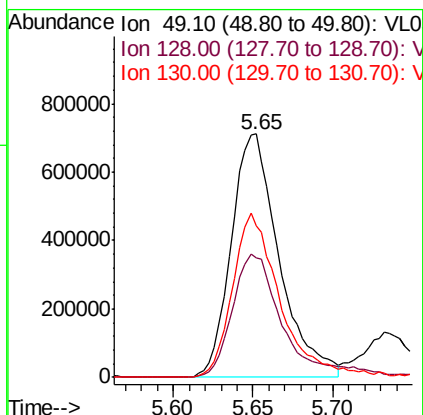
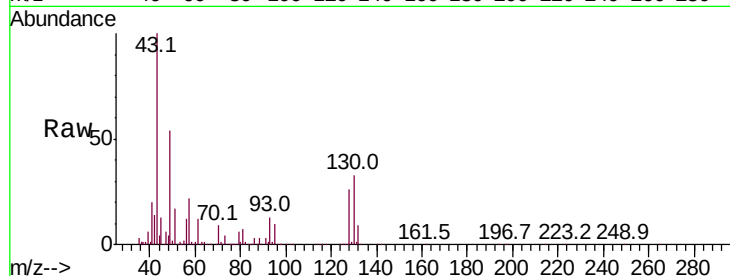
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

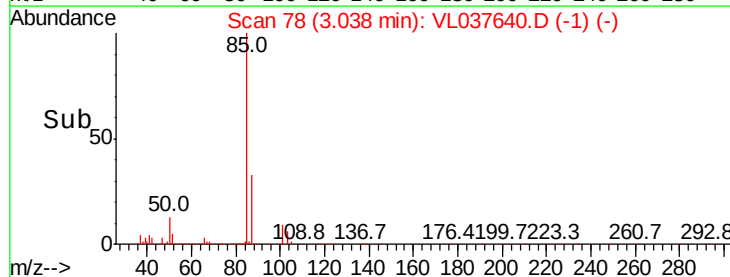
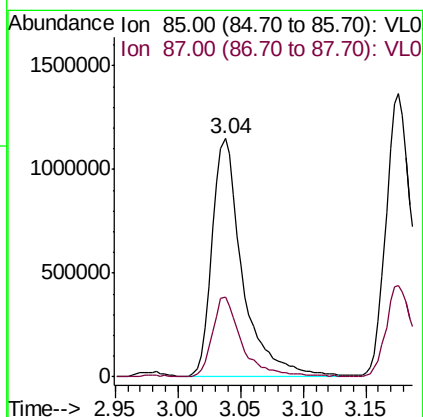
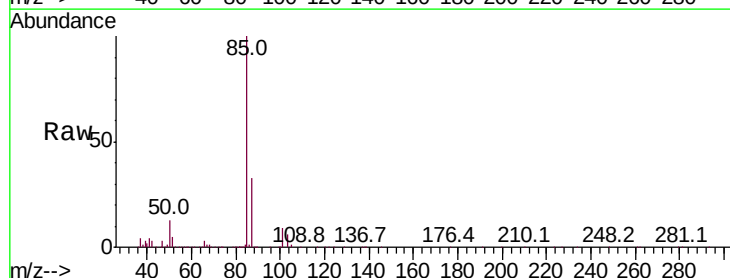
Instrument :
 MSVOA_L
 ClientSampleId :

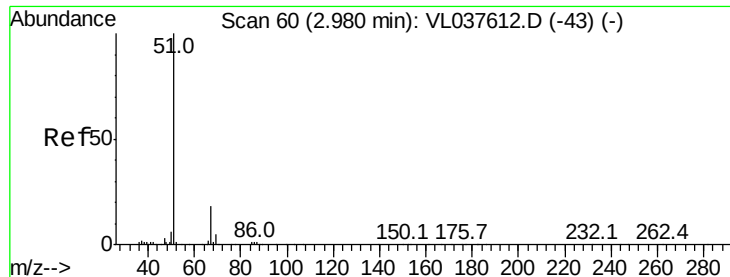
Tot Ion: 49 Resp: 1442966
 Ion Ratio Lower Upper
 49 100
 128 56.0 27.9 83.6
 130 68.8 33.9 101.7



#2
 Dichlorodifluoromethane
 Concen: 7.339 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion: 85 Resp: 1916195
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.8 40.2





#3

Chlorodifluoromethane

Concen: 10.053 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

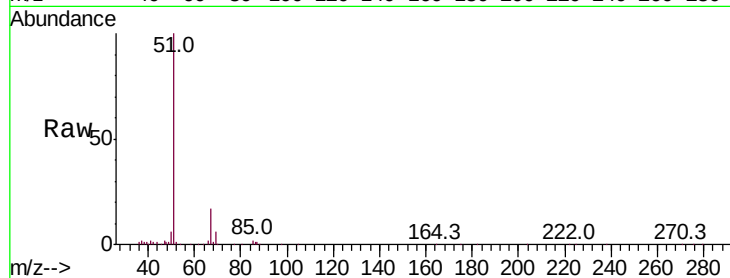
ClientSampleId :

Tot Ion: 51 Resp: 2736161

Ion Ratio Lower Upper

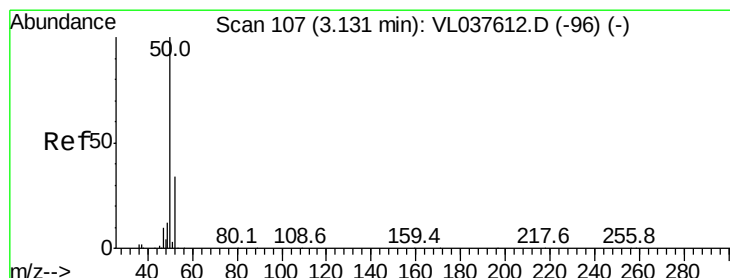
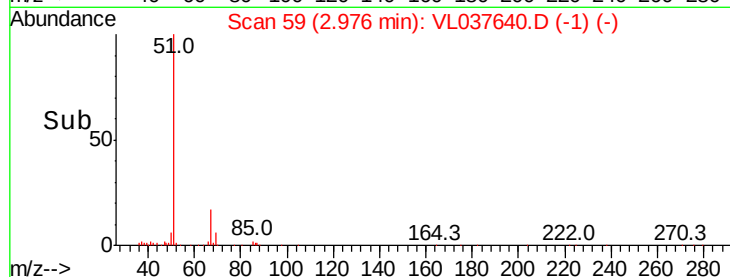
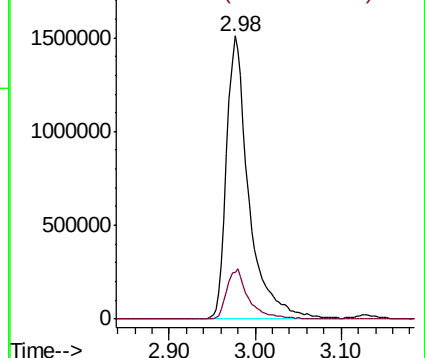
51 100

67 17.5 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: 9.774 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037640.D

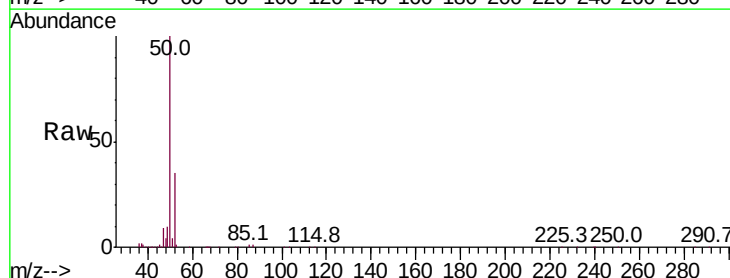
Acq: 17 Sep 2021 13:45

Tgt Ion: 50 Resp: 982885

Ion Ratio Lower Upper

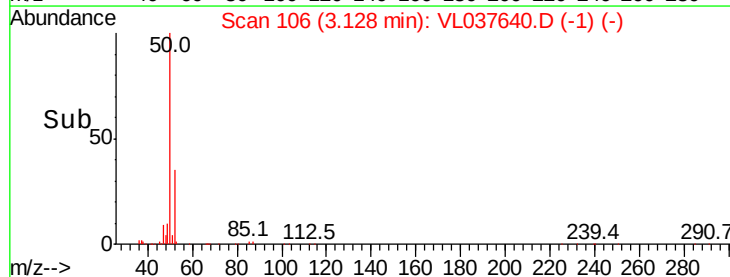
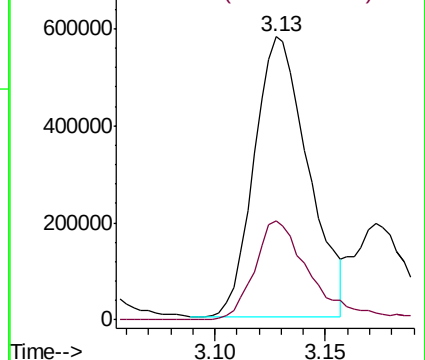
50 100

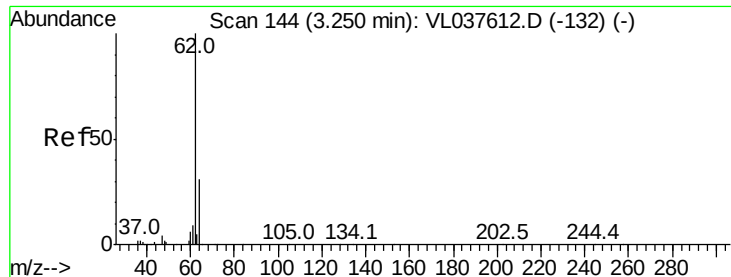
52 35.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.803 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

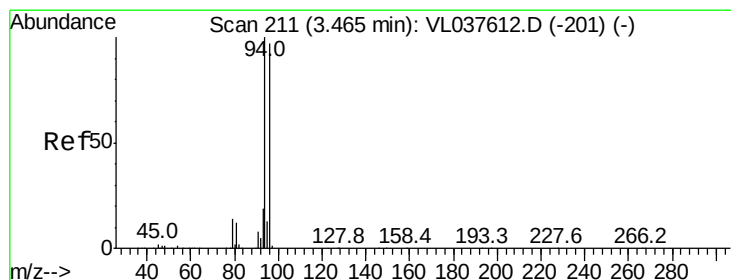
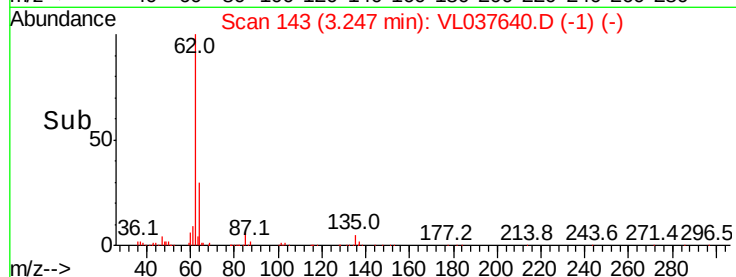
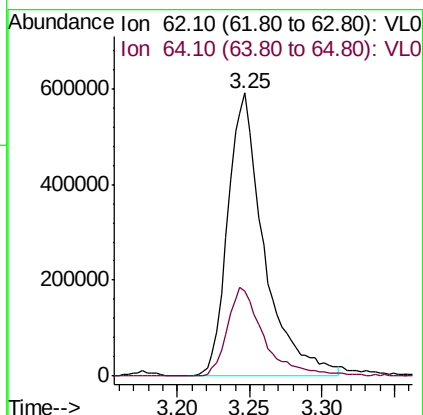
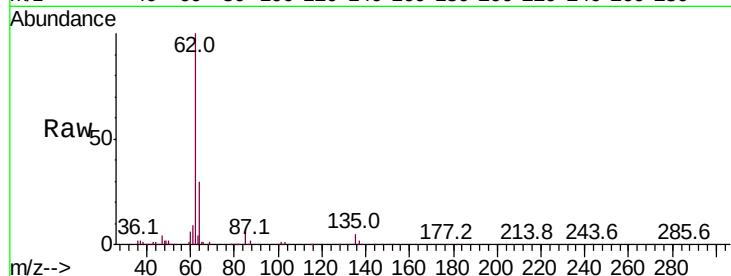
ClientSampleId :

Tot Ion: 62 Resp: 1020387

Ion Ratio Lower Upper

62 100

64 30.0 24.9 37.3



#6

Bromomethane

Concen: 10.102 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL037640.D

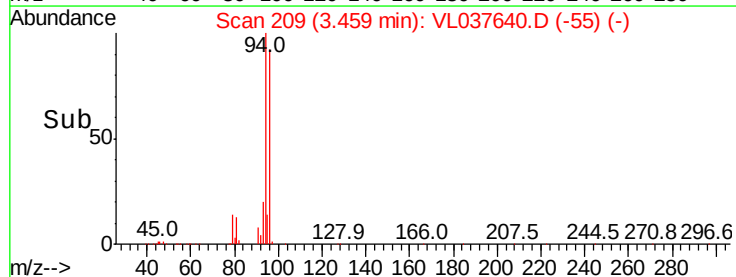
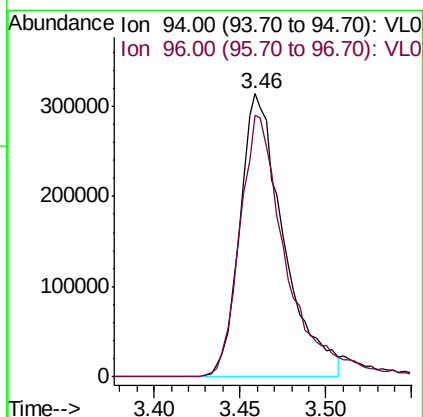
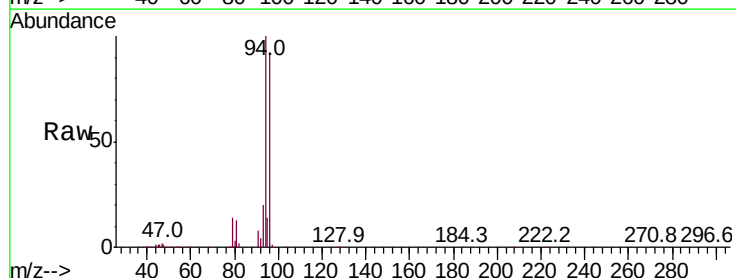
Acq: 17 Sep 2021 13:45

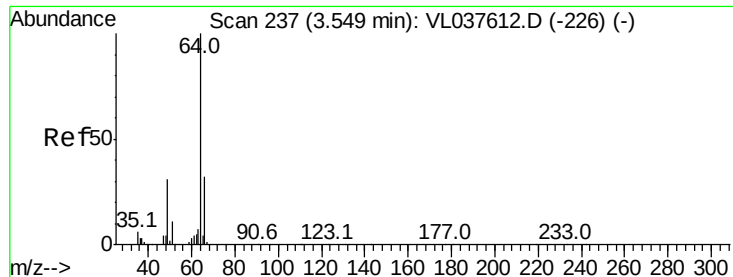
Tgt Ion: 94 Resp: 554580

Ion Ratio Lower Upper

94 100

96 92.3 77.3 115.9





#7

Chloroethane

Concen: 9.729 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

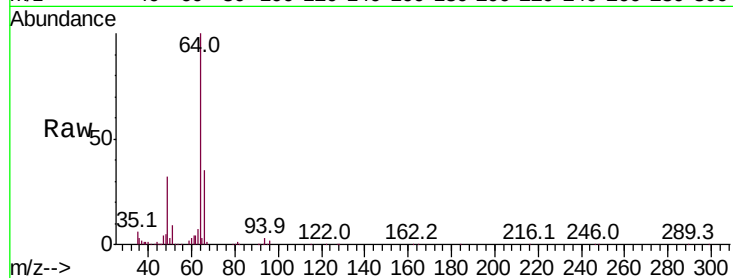
ClientSampleId :

Tot Ion: 64 Resp: 343421

Ion Ratio Lower Upper

64 100

66 34.5 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

150000

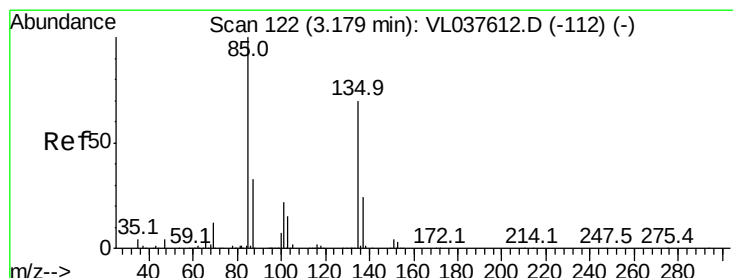
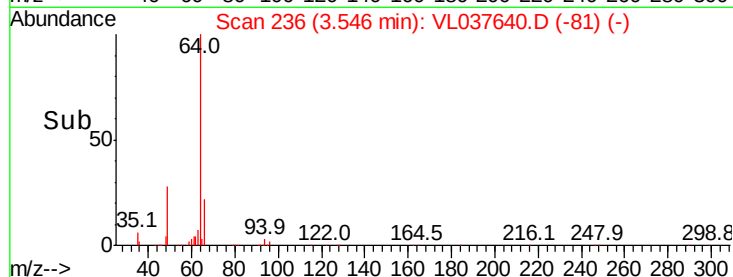
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.997 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037640.D

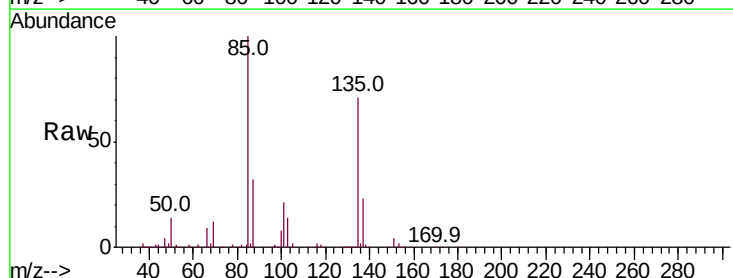
Acq: 17 Sep 2021 13:45

Tgt Ion: 85 Resp: 2251909

Ion Ratio Lower Upper

85 100

135 73.4 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

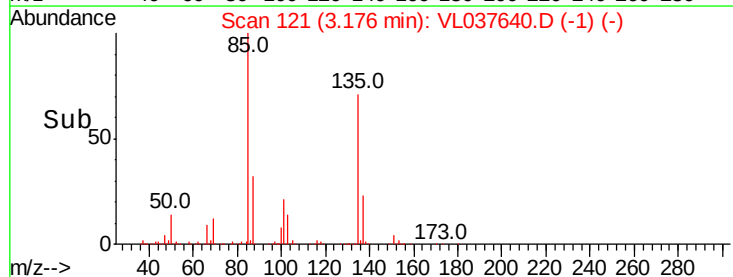
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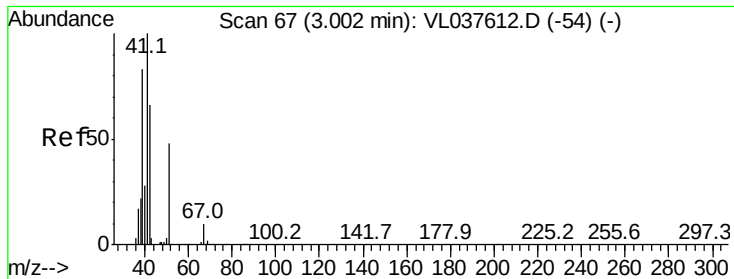
500000

0

3.10 3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 10.039 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

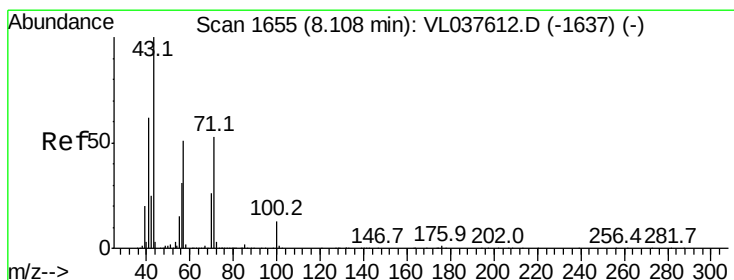
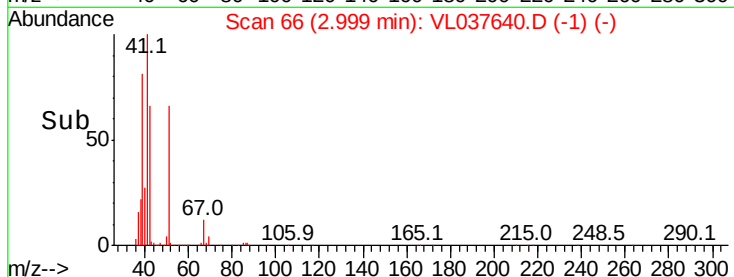
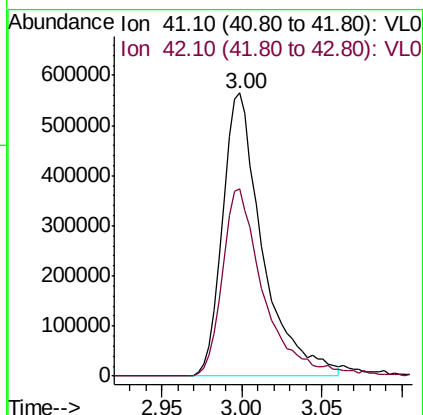
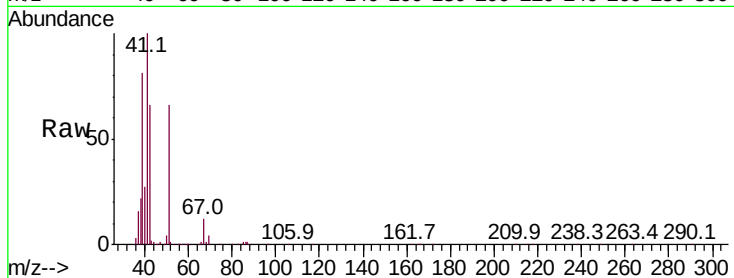
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 963869

Ion Ratio Lower Upper

41 100

42 69.8 57.2 85.8



#10

Heptane

Concen: 11.034 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037640.D

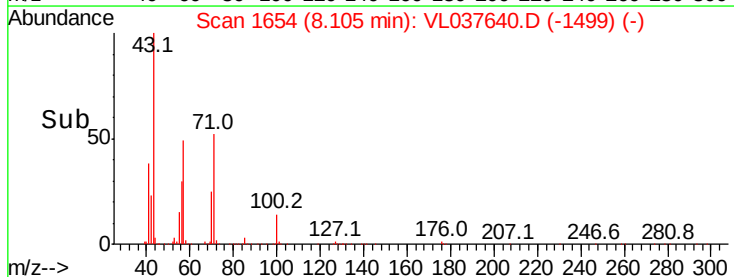
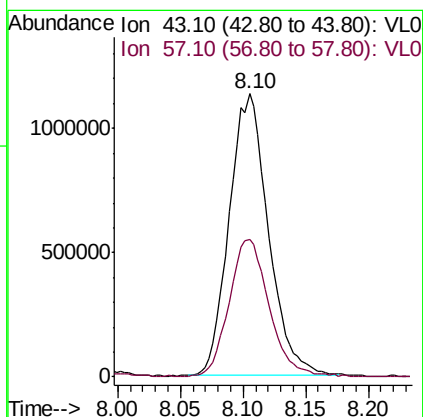
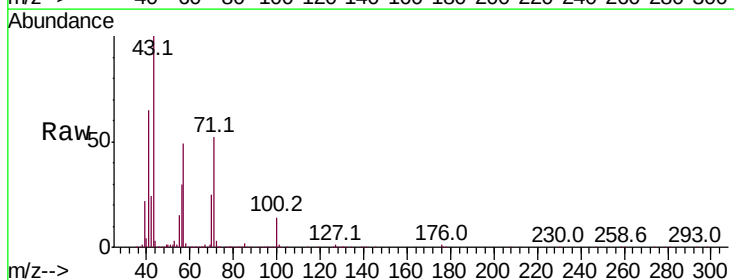
Acq: 17 Sep 2021 13:45

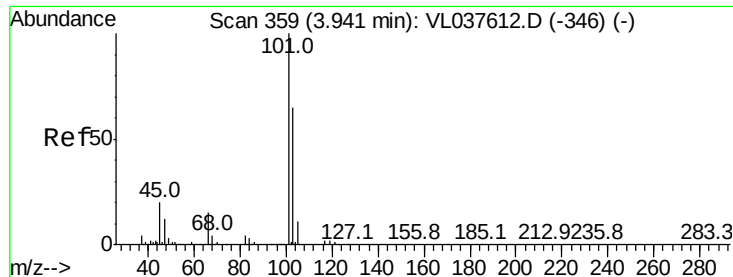
Tgt Ion: 43 Resp: 2471843

Ion Ratio Lower Upper

43 100

57 49.5 40.1 60.1

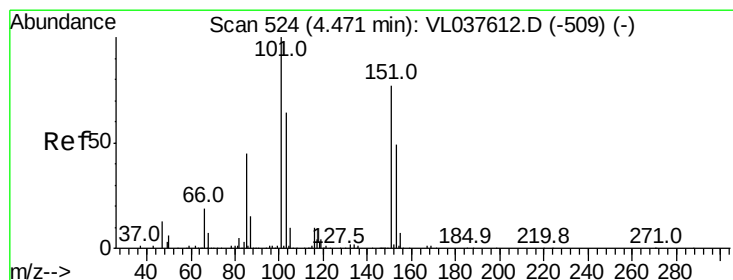
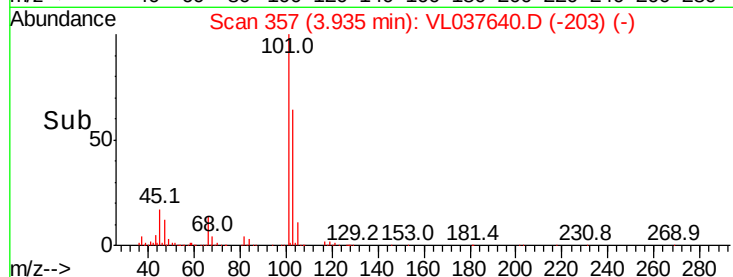
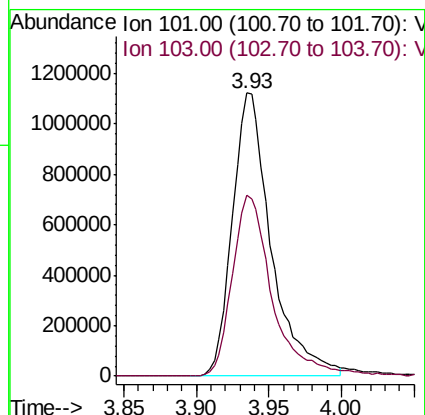
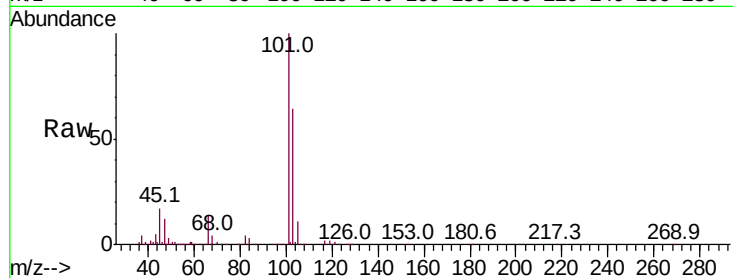




#11
 Trichlorofluoromethane
 Concen: 9.955 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

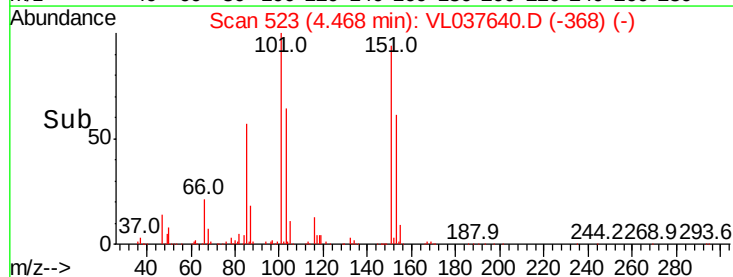
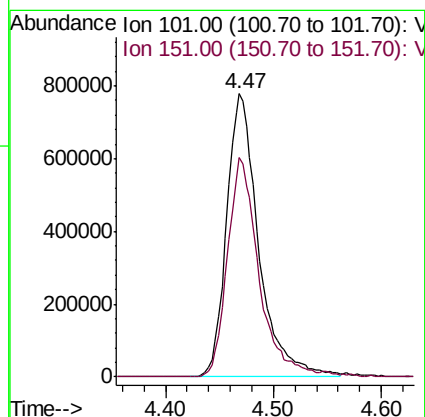
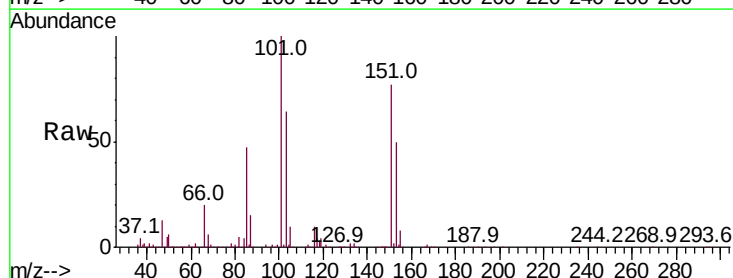
Instrument :
 MSVOA_L
 ClientSampleId :

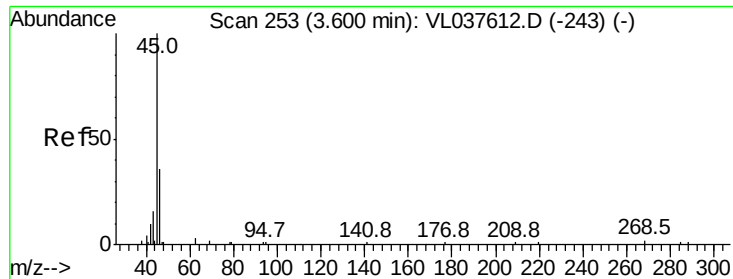
Tot Ion:101 Resp: 2086935
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.391 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion:101 Resp: 1607818
 Ion Ratio Lower Upper
 101 100
 151 77.5 63.5 95.3

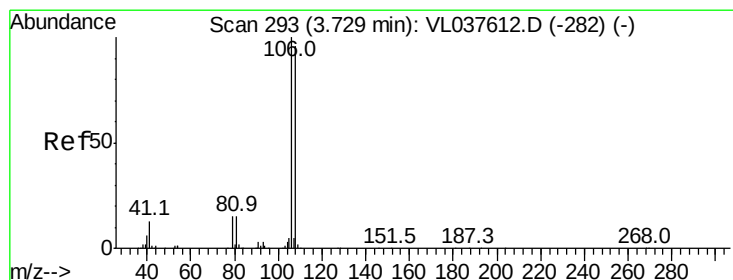
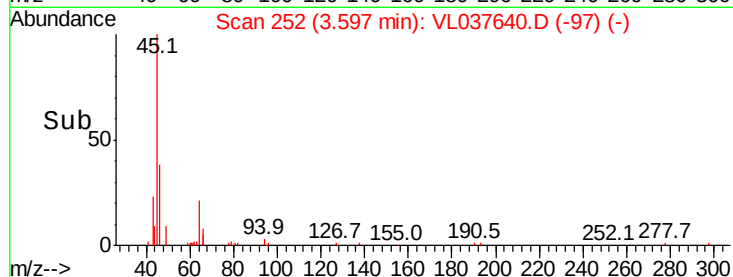
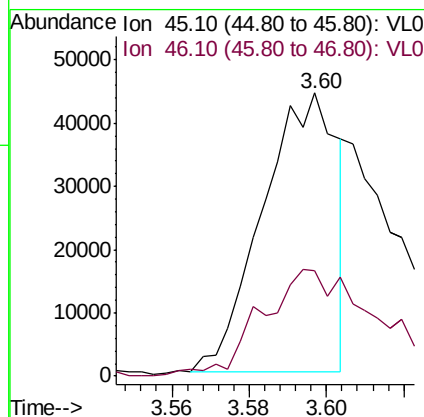
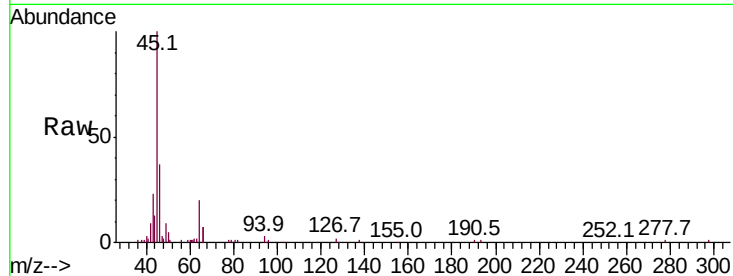




#13
Ethanol
Concen: 6.281 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

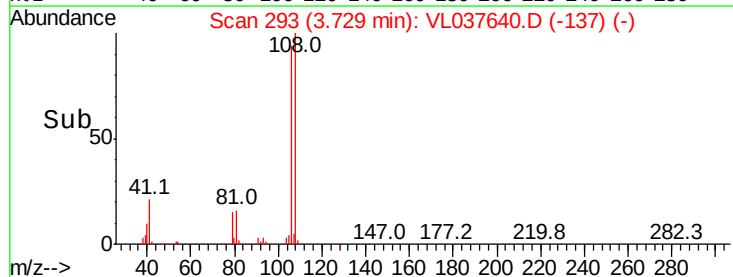
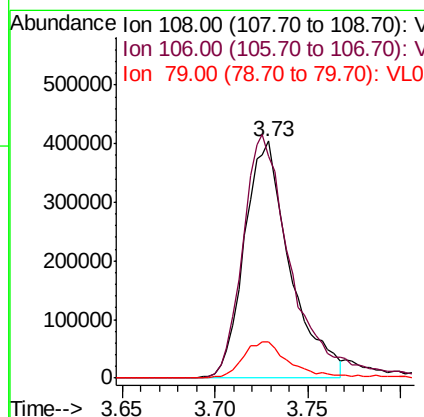
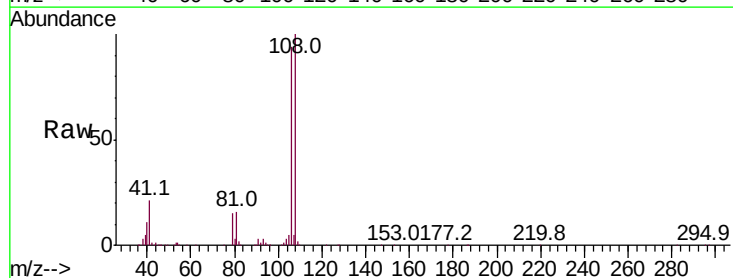
Instrument :
MSVOA_L
ClientSampled :

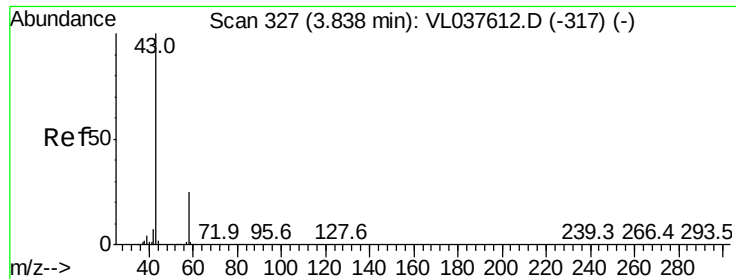
Tot Ion: 45 Resp: 58984
Ion Ratio Lower Upper
45 100
46 78.6 17.2 68.8#



#14
Bromoethene
Concen: 9.822 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion: 108 Resp: 691826
Ion Ratio Lower Upper
108 100
106 111.9 88.2 132.4
79 16.7 12.8 19.2





#15

Acetone

Concen: 8.193 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

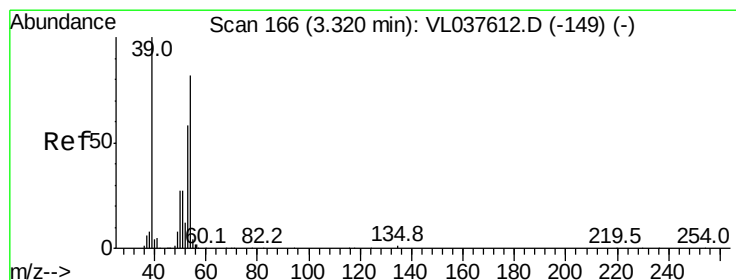
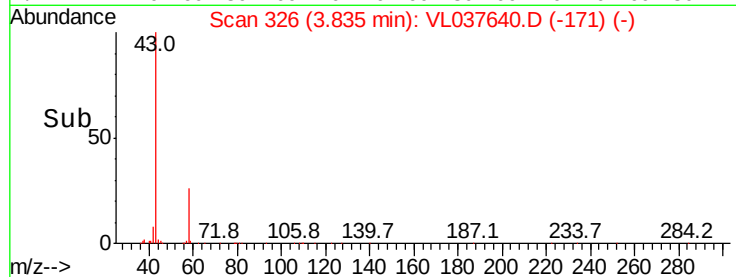
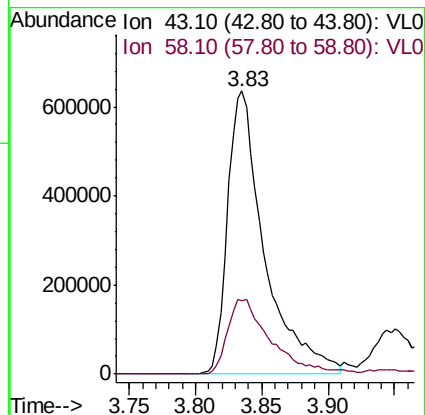
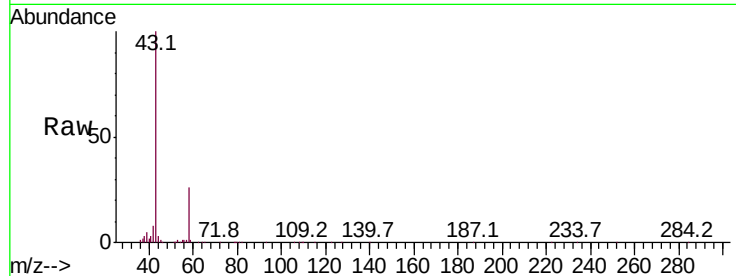
ClientSampleId :

Tot Ion: 43 Resp: 1228269

Ion Ratio Lower Upper

43 100

58 31.2 24.9 37.3



#16

1,3-Butadiene

Concen: 10.496 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL037640.D

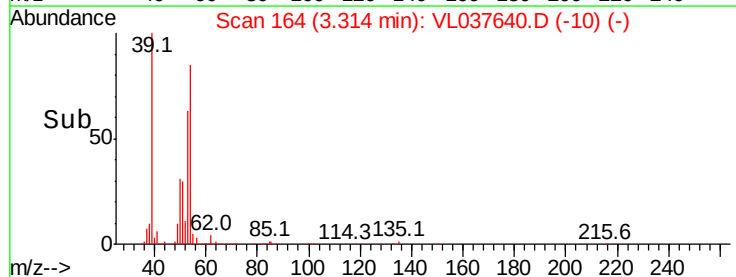
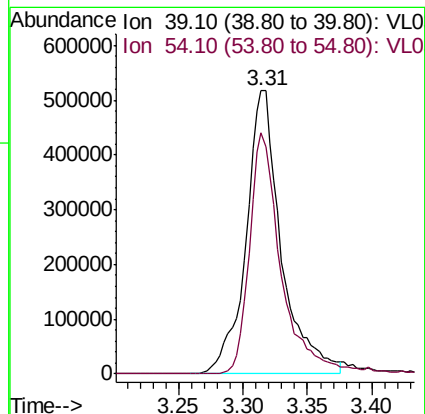
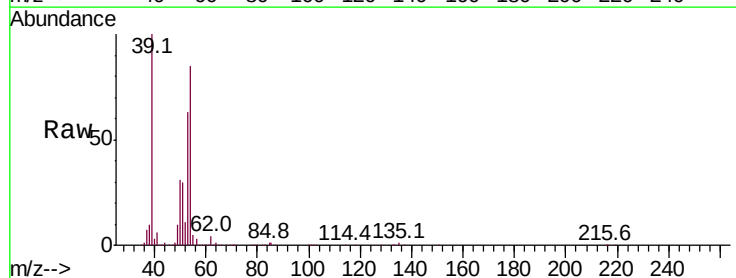
Acq: 17 Sep 2021 13:45

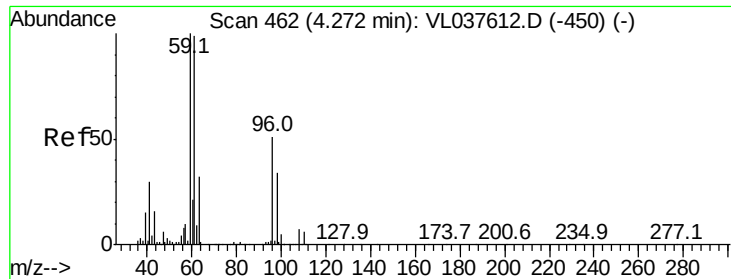
Tgt Ion: 39 Resp: 983287

Ion Ratio Lower Upper

39 100

54 78.2 62.6 93.8



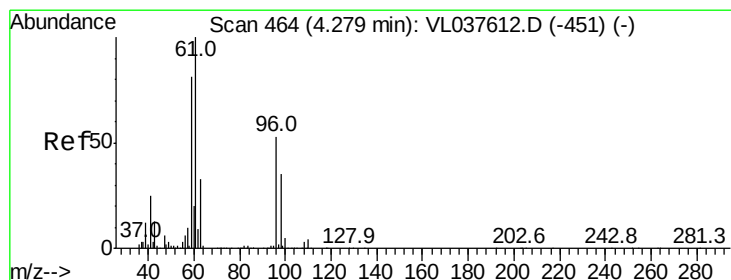
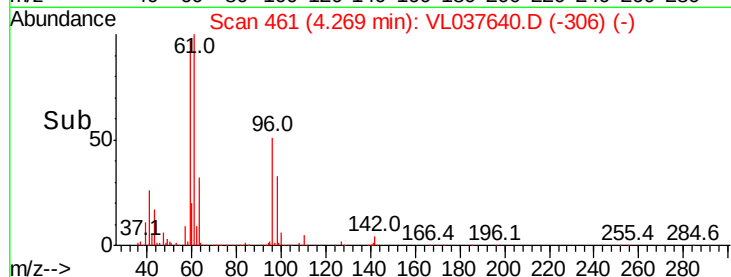
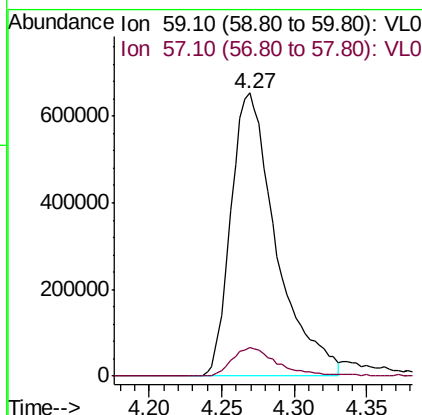
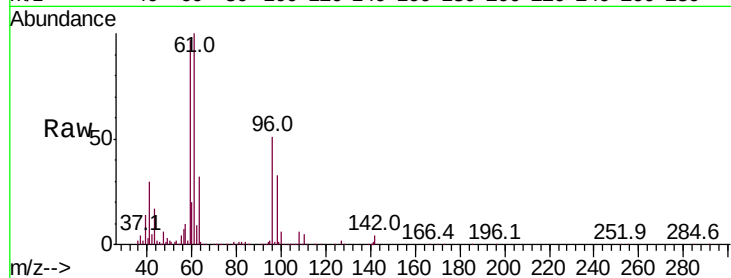


#17

tert-Butyl alcohol
 Concen: 11.136 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Instrument :
 MSVOA_L
 ClientSampleId :

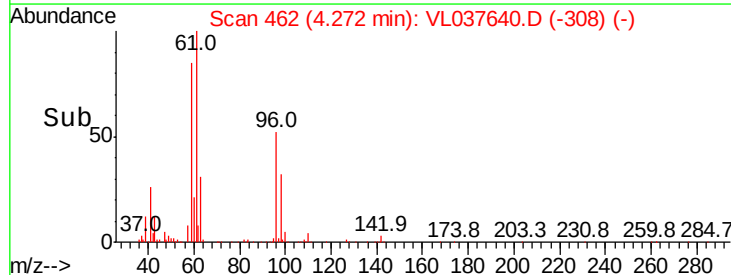
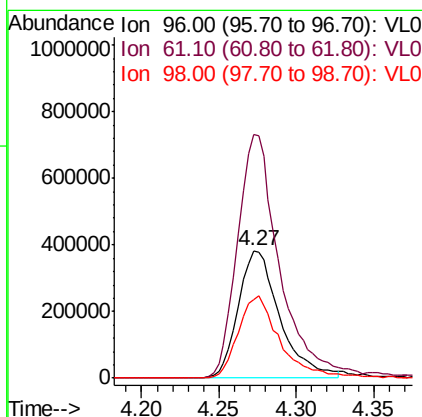
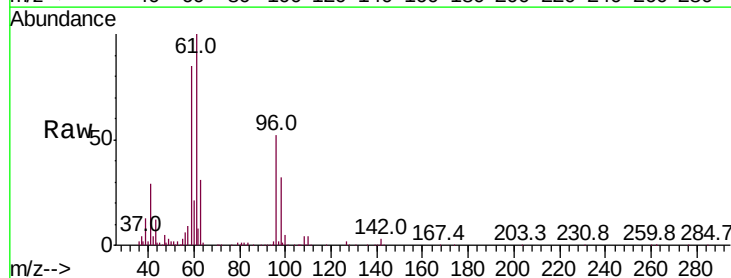
Tot Ion: 59 Resp: 1415764
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

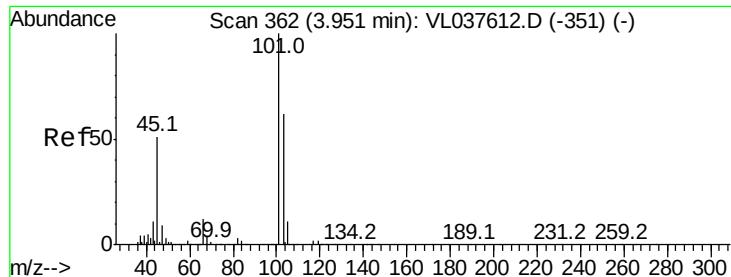


#18

1,1-Dichloroethene
 Concen: 9.954 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion: 96 Resp: 717502
 Ion Ratio Lower Upper
 96 100
 61 191.3 150.4 225.6
 98 61.6 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.689 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

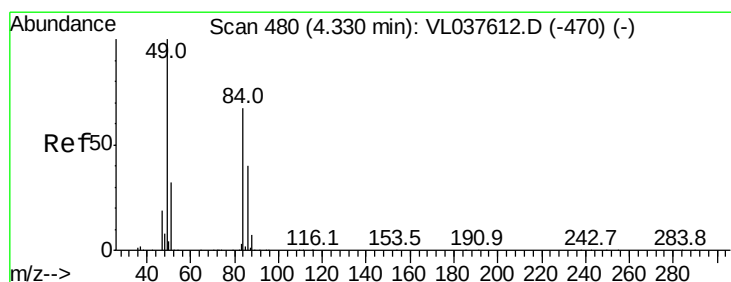
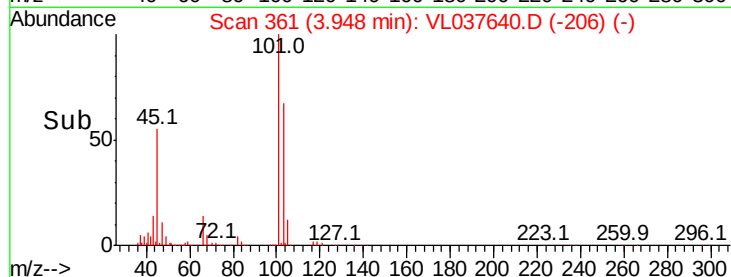
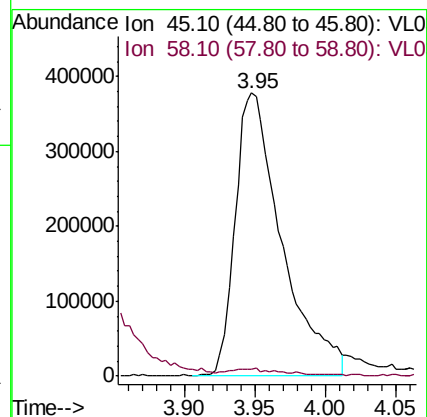
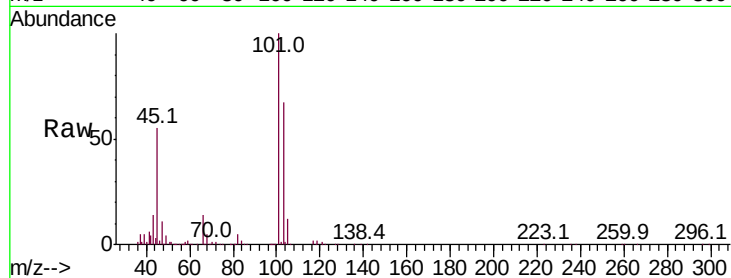
ClientSampleId :

Tot Ion: 45 Resp: 871973

Ion Ratio Lower Upper

45 100

58 2.7 2.9 4.3#



#20

Methylene Chloride

Concen: 8.451 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion: 84 Resp: 604857

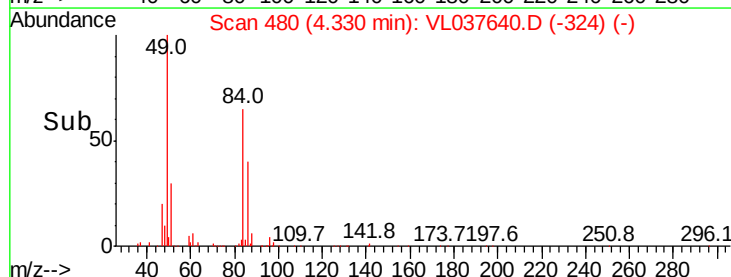
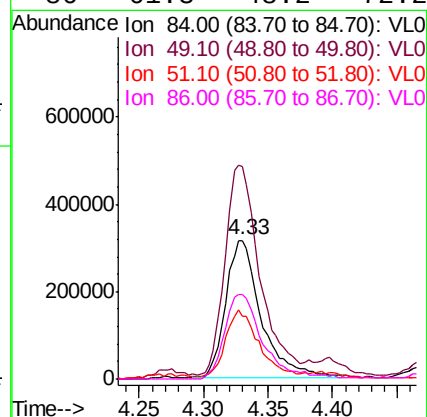
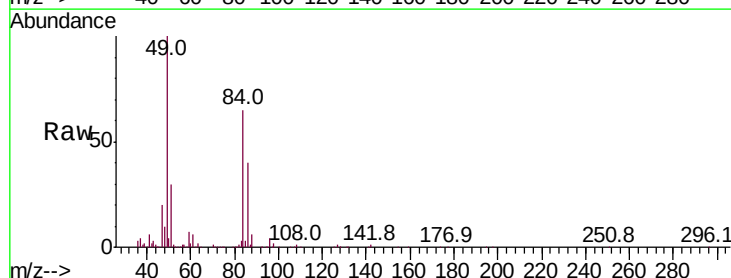
Ion Ratio Lower Upper

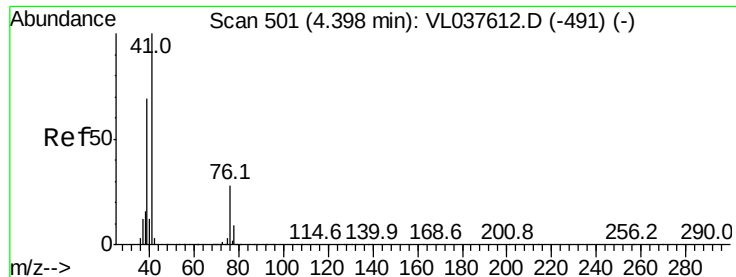
84 100

49 150.4 120.0 180.0

51 43.9 38.0 57.0

86 61.3 48.2 72.2





#21

Allvl Chloride

Concen: 10.517 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

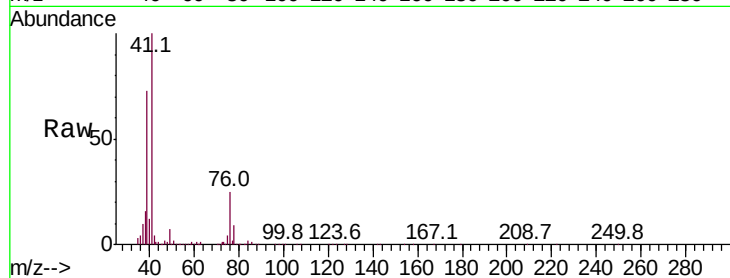
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 41 Resp: 1177909

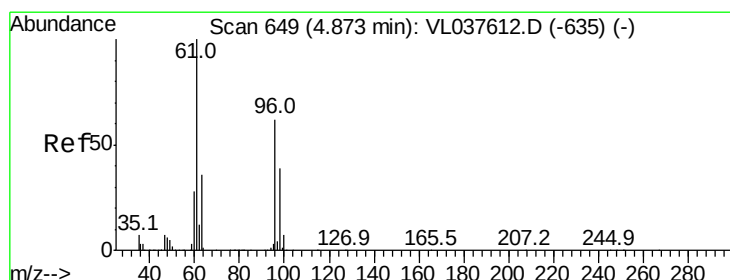
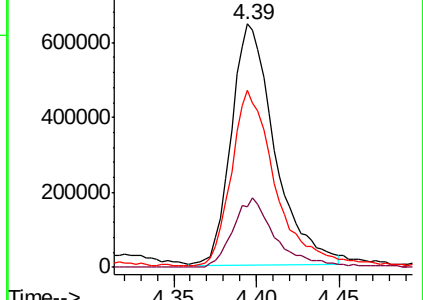
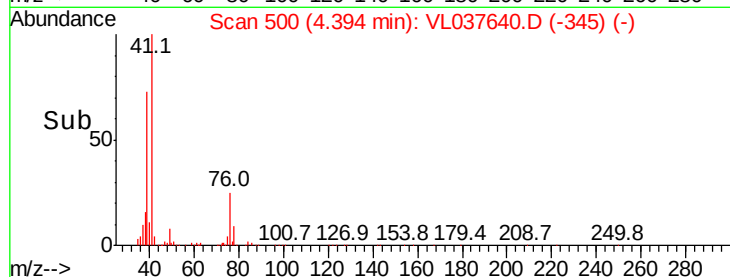
Ion	Ratio	Lower	Upper
41	100		
76	28.4	23.1	34.7
39	74.8	61.0	91.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.462 ppbv

RT: 4.87 min Scan# 647

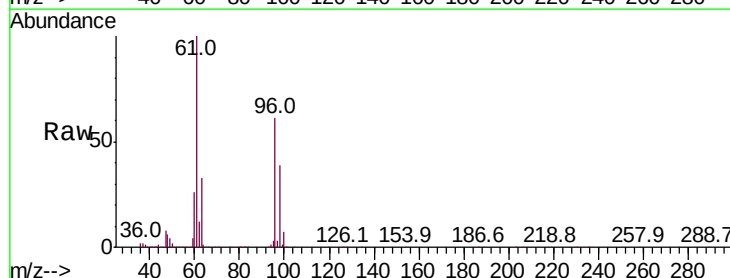
Delta R.T. -0.01 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion: 96 Resp: 758740

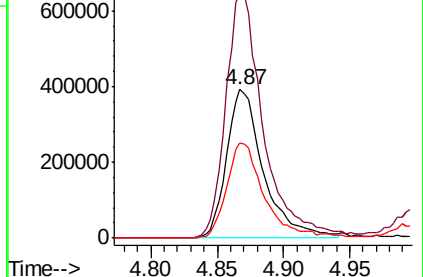
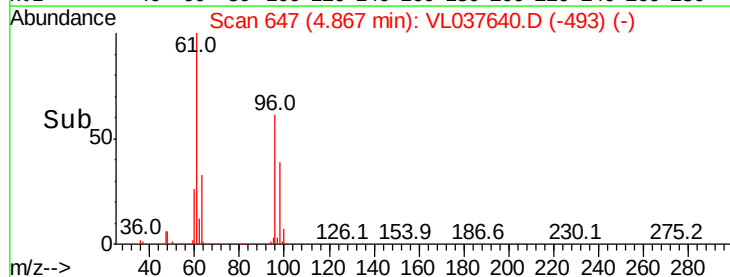
Ion	Ratio	Lower	Upper
96	100		
61	163.6	129.2	193.8
98	63.7	50.4	75.6

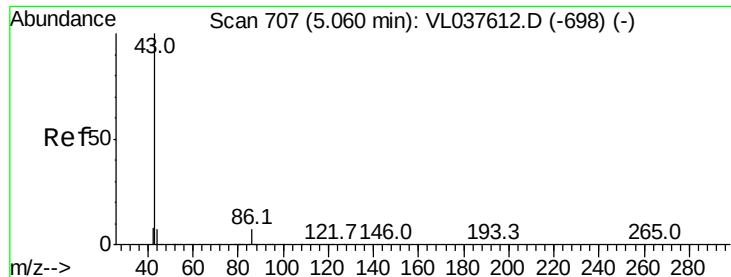


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.455 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

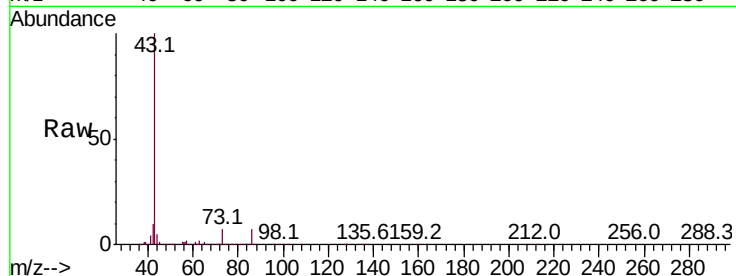
MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1961543

Ion Ratio Lower Upper

43	100		
86	7.2	5.0	7.6
42	9.8	7.5	11.3
44	4.7	4.7	7.1#

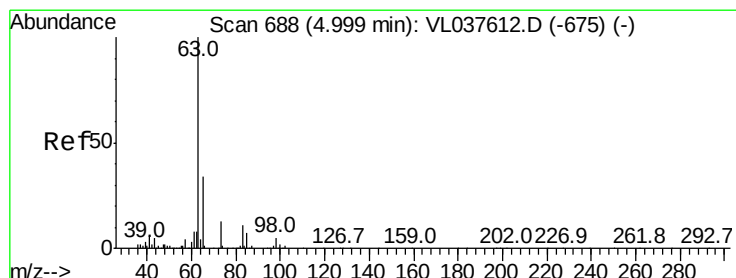
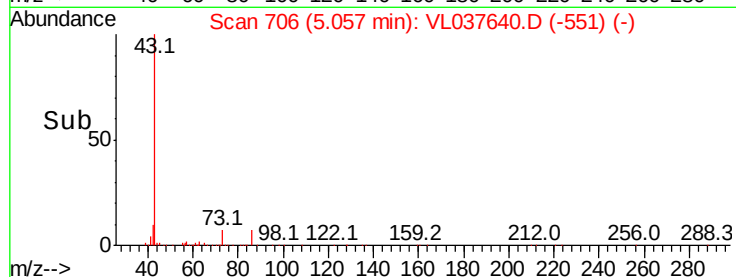
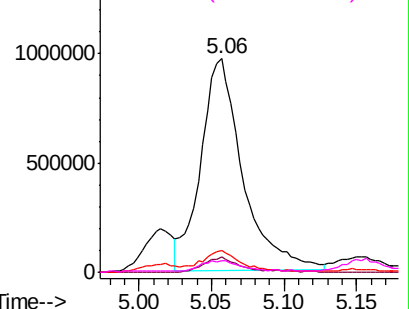


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.991 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

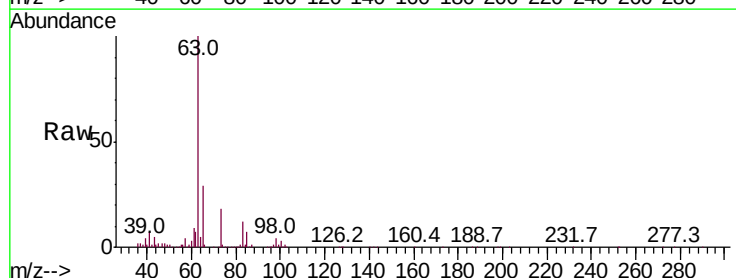
Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion: 63 Resp: 1484836

Ion Ratio Lower Upper

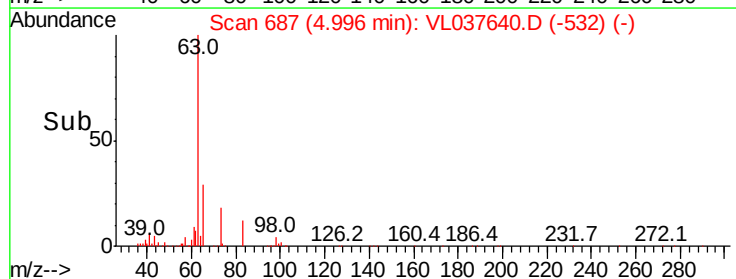
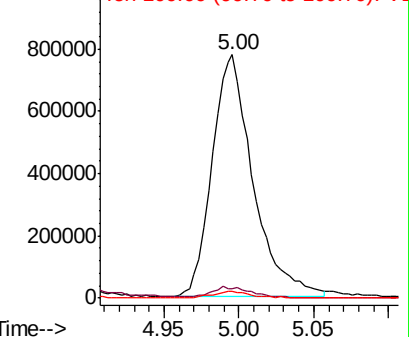
63	100		
98	3.8	2.4	7.2
100	2.5	1.1	3.5

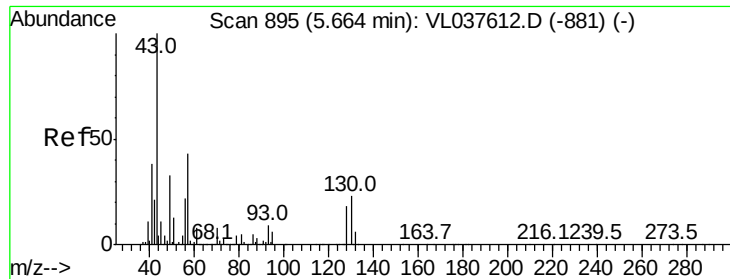


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



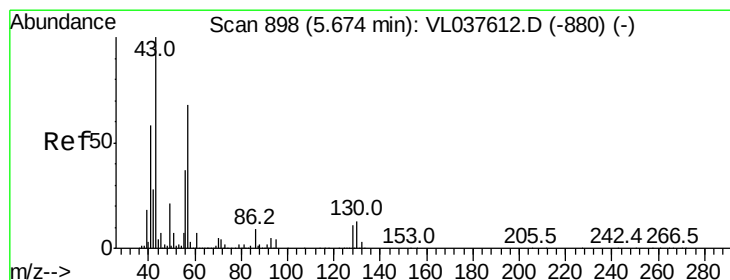
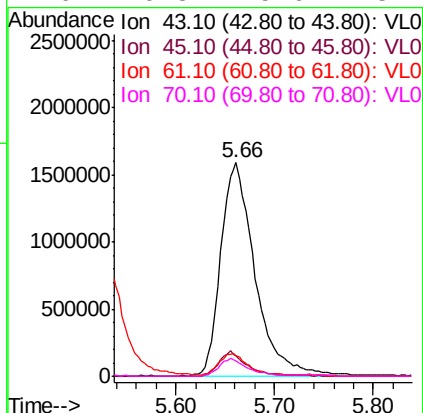
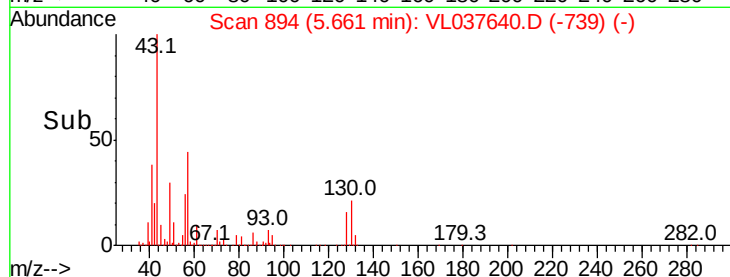
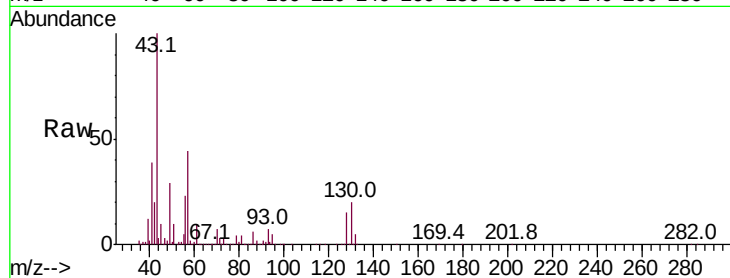


#25
Ethyl Acetate
Concen: 10.596 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3847567

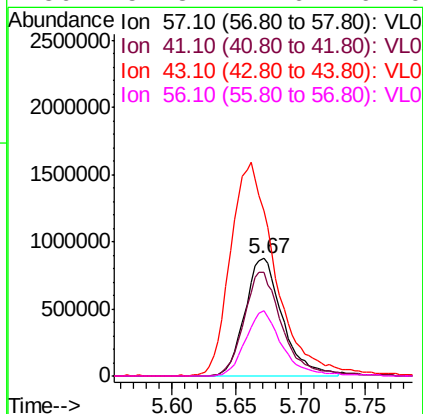
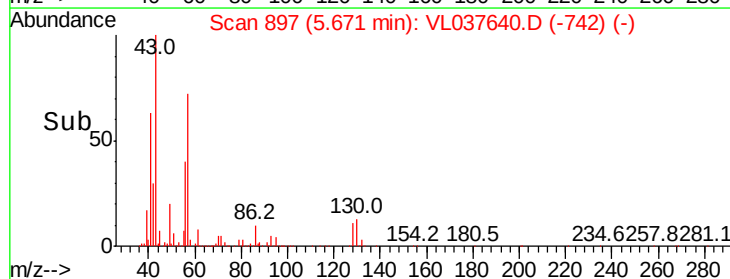
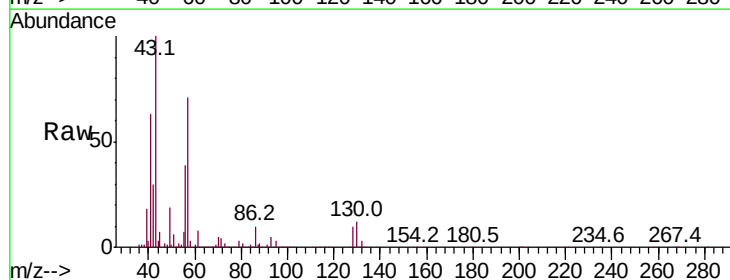
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.0	7.5	11.3
70	6.8	5.6	8.4

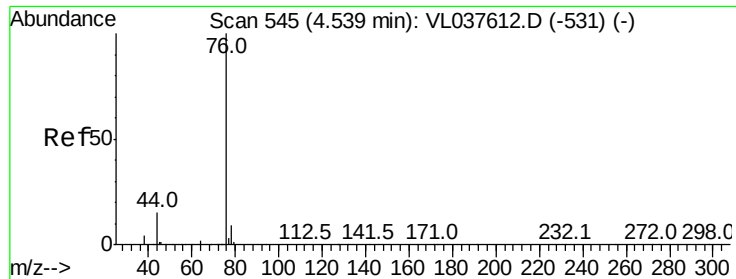


#26
Hexane
Concen: 10.312 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion: 57 Resp: 1778705

Ion	Ratio	Lower	Upper
57	100		
41	91.3	70.9	106.3
43	218.9	170.4	255.6
56	54.8	42.6	64.0





#27

Carbon Disulfide

Concen: 11.426 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :
MSVOA_L
ClientSampleId :

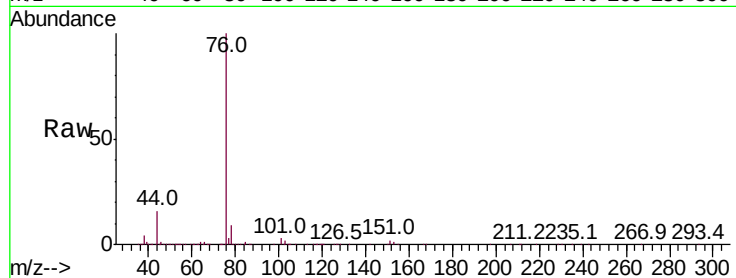
Tot Ion: 76 Resp: 1803011

Ion Ratio Lower Upper

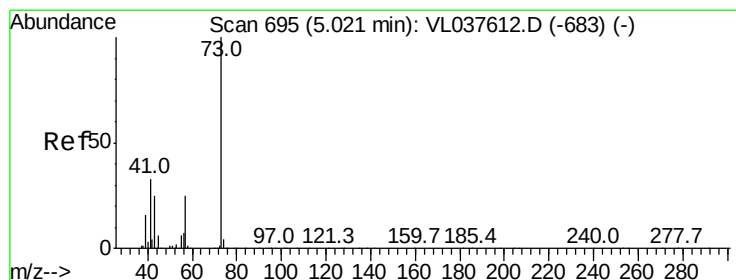
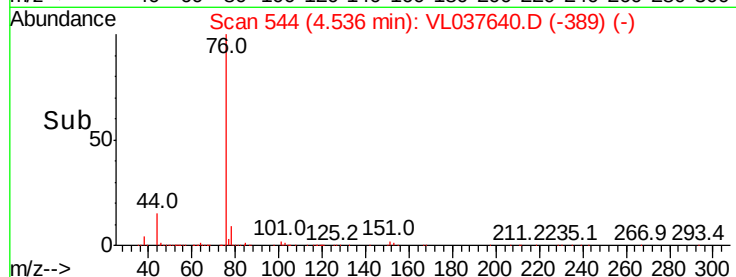
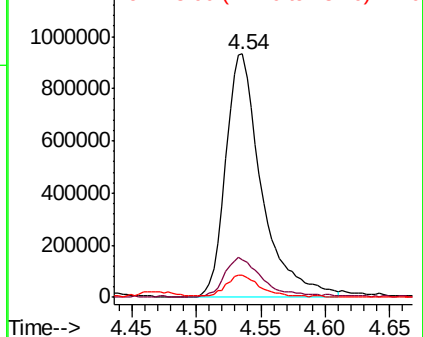
76 100

44 17.4 14.2 21.2

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.160 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037640.D

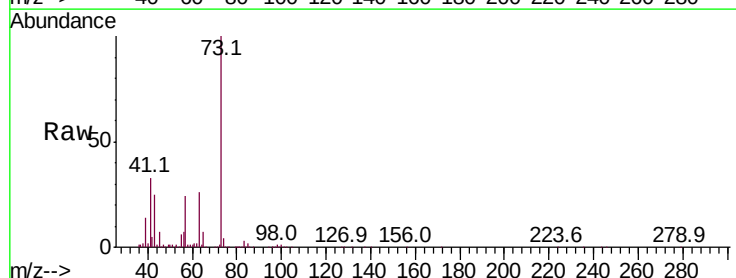
Acq: 17 Sep 2021 13:45

Tgt Ion: 73 Resp: 1543485

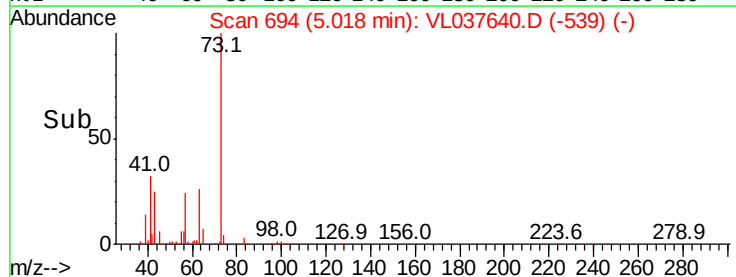
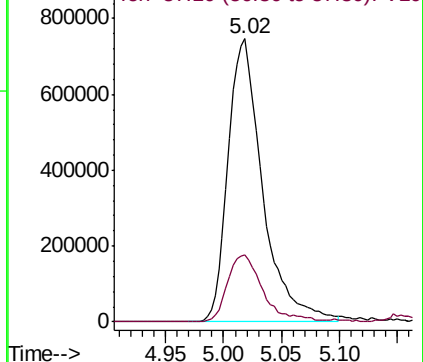
Ion Ratio Lower Upper

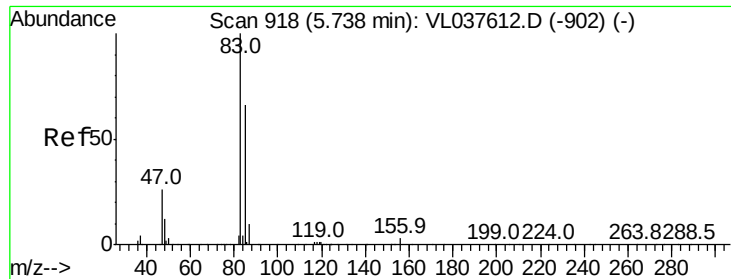
73 100

57 24.6 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

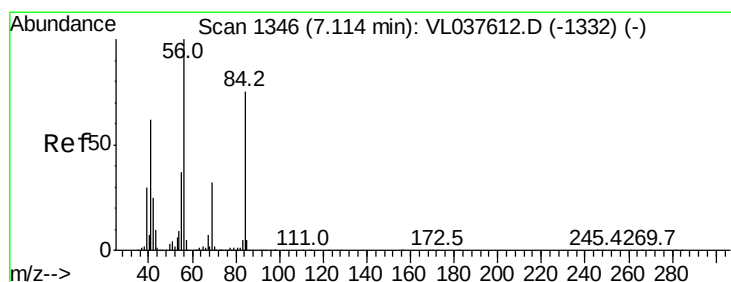
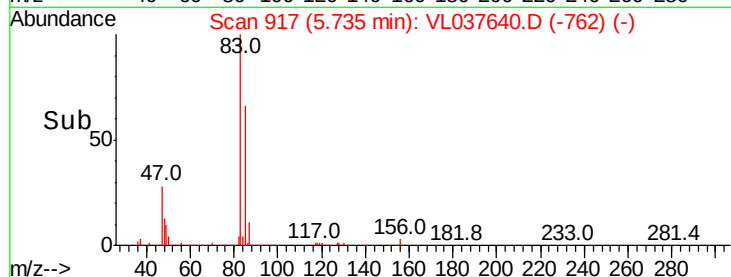
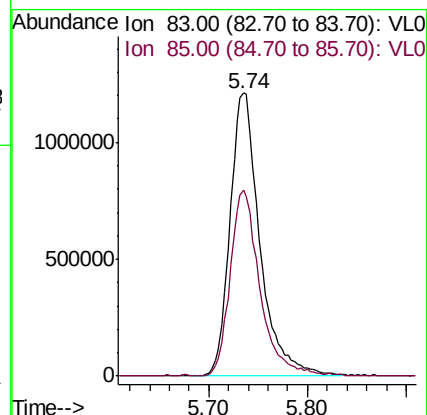
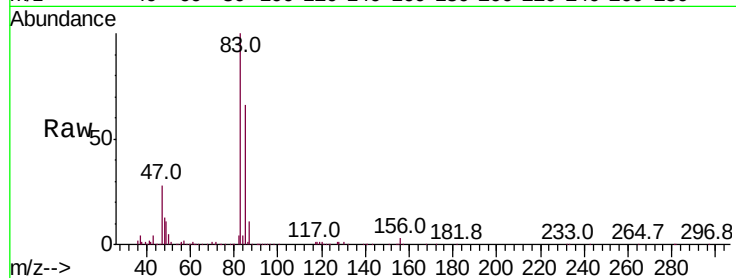




#29
Chloroform
Concen: 10.217 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

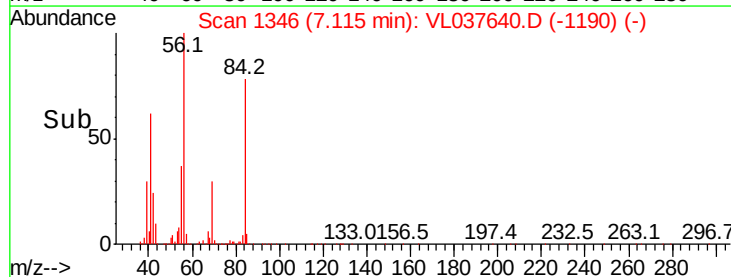
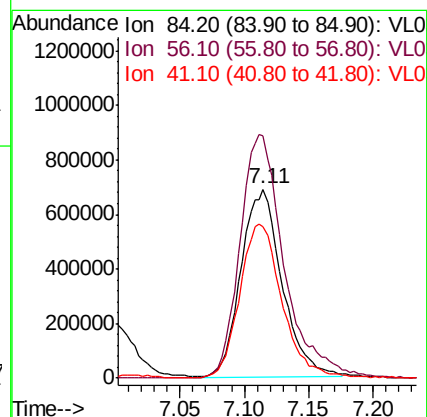
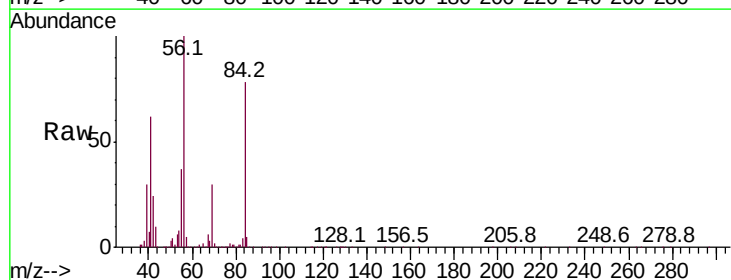
Instrument :
MSVOA_L
ClientSampled :

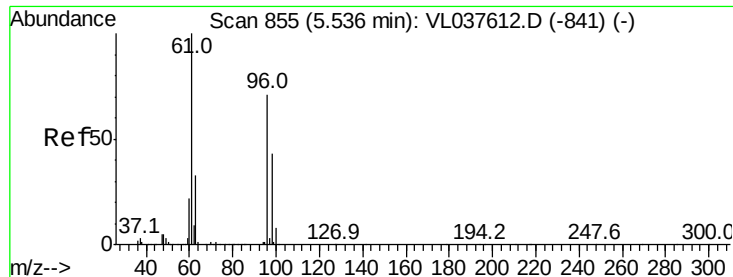
Tot Ion: 83 Resp: 2573272
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0



#30
Cyclohexane
Concen: 10.390 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion: 84 Resp: 1532771
Ion Ratio Lower Upper
84 100
56 139.6 113.6 170.4
41 84.0 67.9 101.9



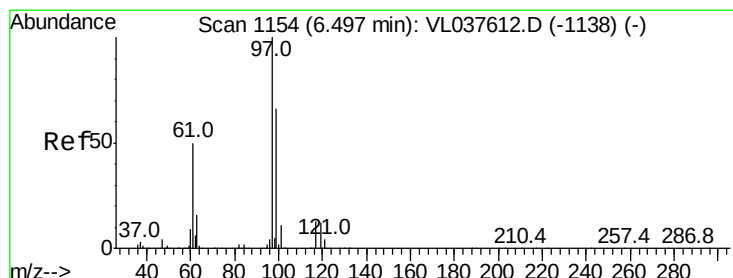
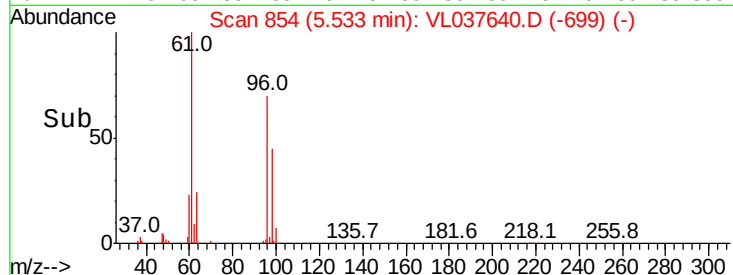
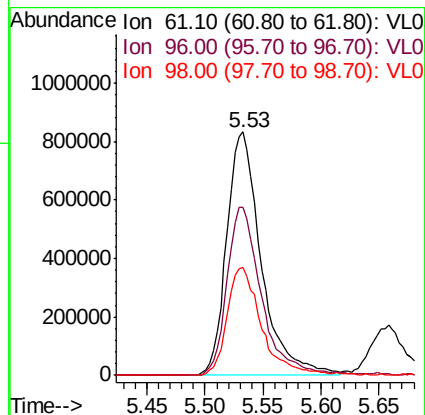
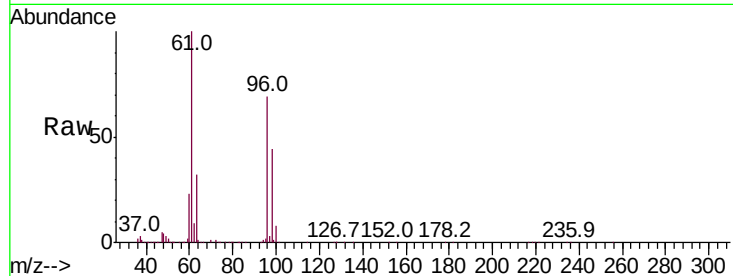


#31

cis-1,2-Dichloroethene
Concen: 10.922 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Instrument :
MSVOA_L
ClientSampled :

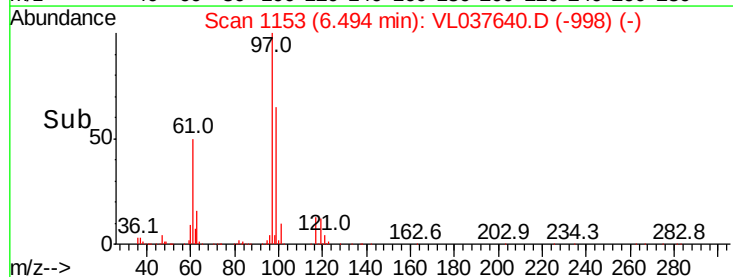
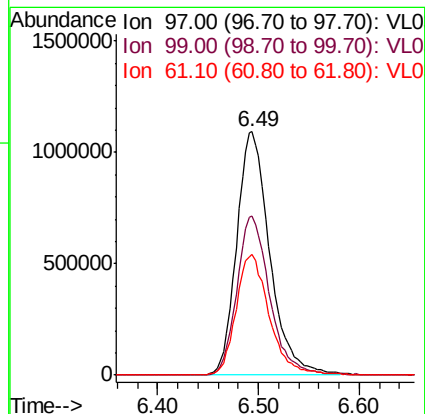
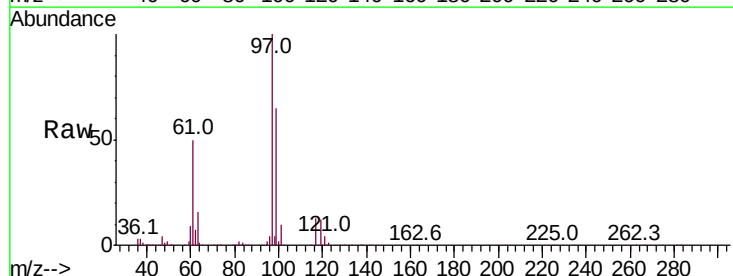
Tot Ion: 61 Resp: 1710183
Ion Ratio Lower Upper
61 100
96 68.9 56.7 85.1
98 44.5 34.6 52.0

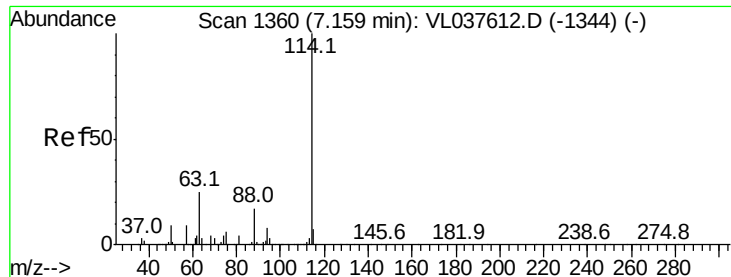


#32

1,1,1-Trichloroethane
Concen: 10.608 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion: 97 Resp: 2487444
Ion Ratio Lower Upper
97 100
99 65.2 52.3 78.5
61 49.8 39.5 59.3

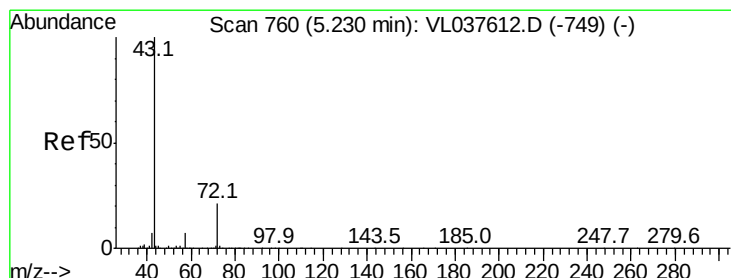
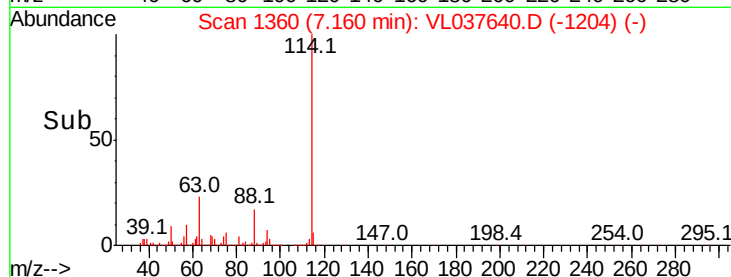
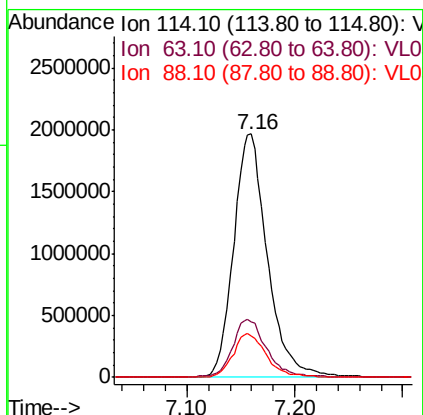
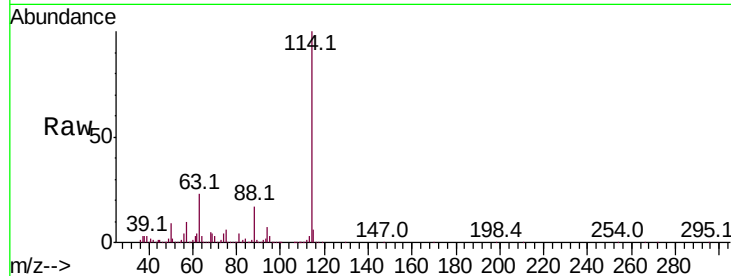




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

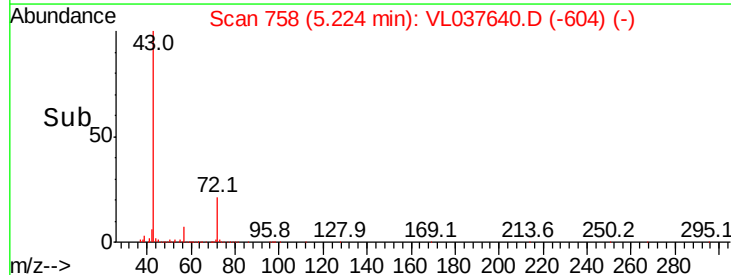
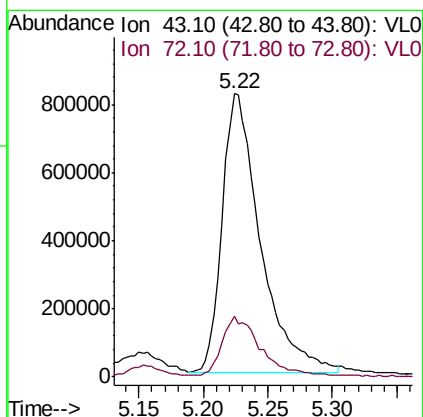
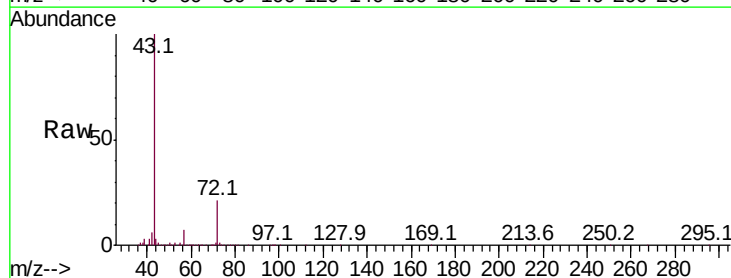
Instrument :
 MSVOA_L
 ClientSampleId :

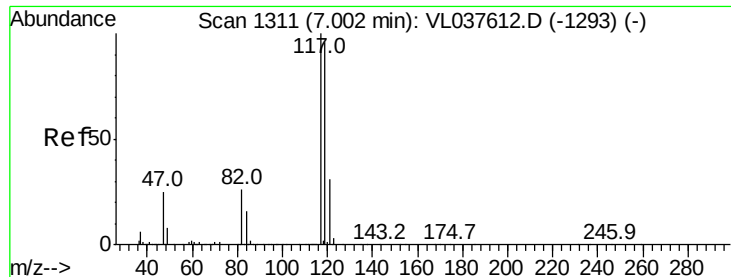
Tot Ion:114 Resp: 4264216
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 17.9 14.2 21.4



#34
 2-Butanone
 Concen: 9.696 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion: 43 Resp: 1680186
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.712 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

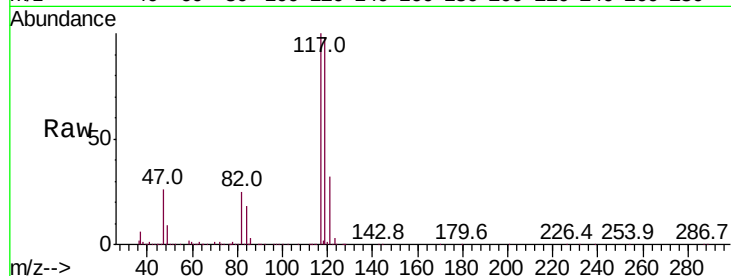
Tot Ion:117 Resp: 2583845

Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.0	115.6
121	31.6	24.5	36.7

117 100

119 97.7 77.0 115.6

121 31.6 24.5 36.7

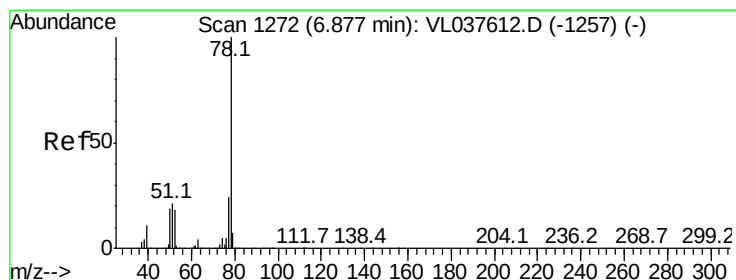
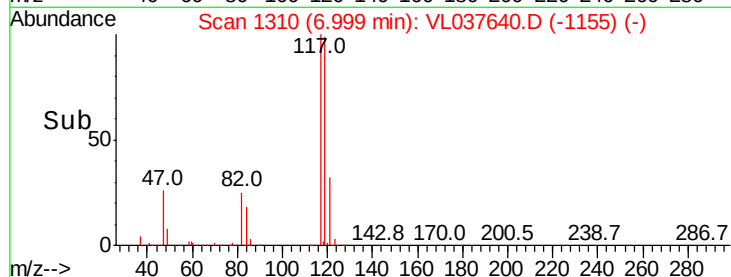
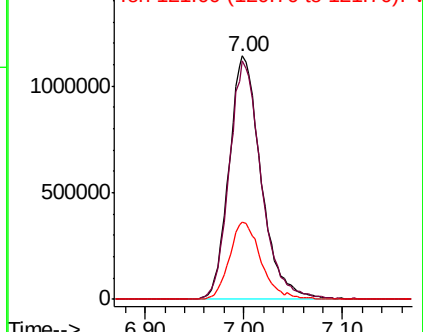


Abundance

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: 10.621 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

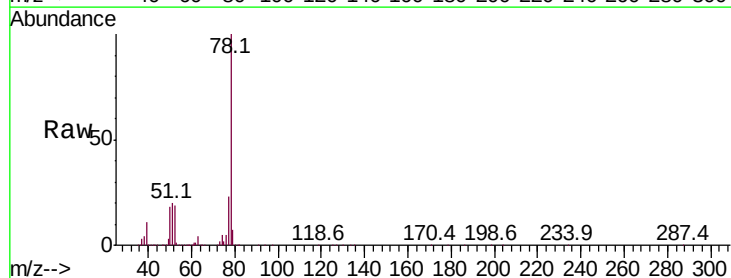
Tgt Ion: 78 Resp: 3776728

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4
50	18.1	14.8	22.2

78 100

77 23.0 19.0 28.4

50 18.1 14.8 22.2

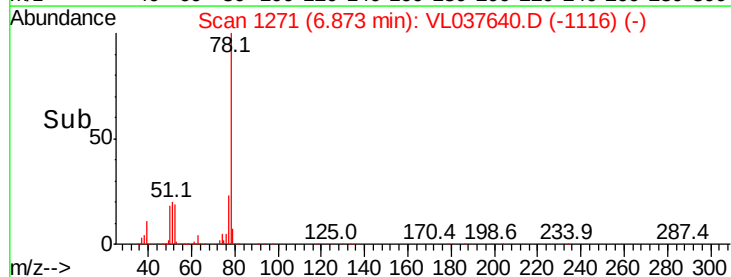
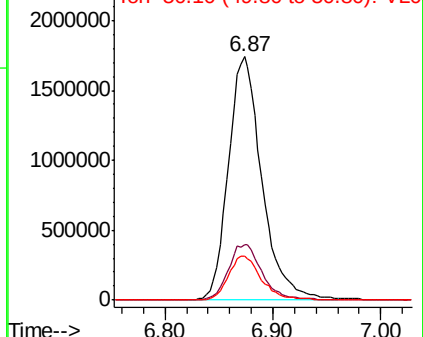


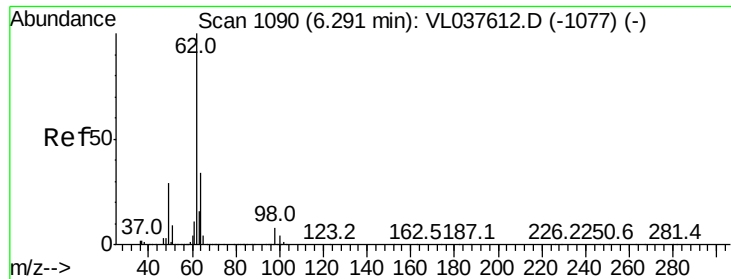
Abundance

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

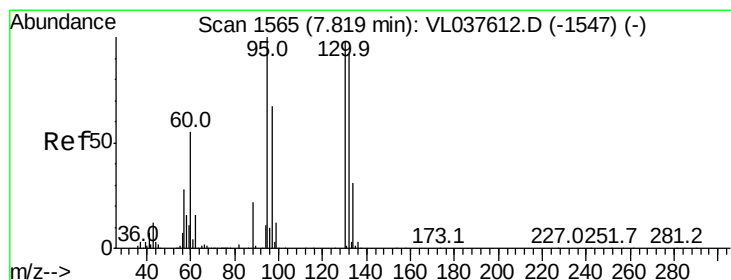
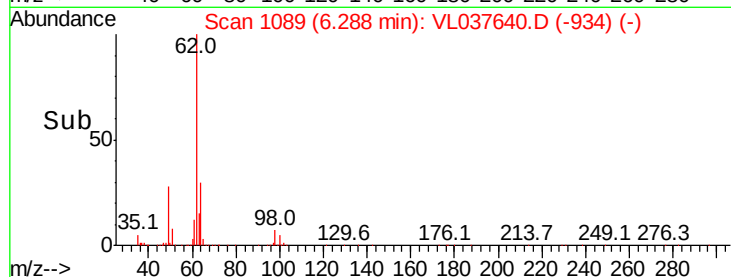
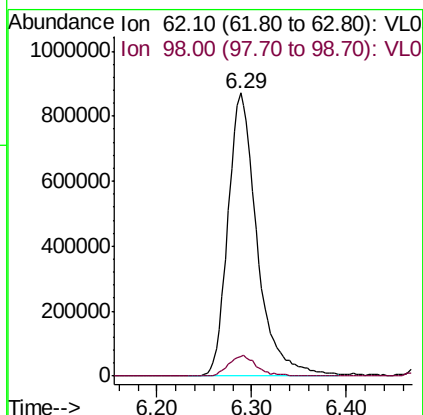
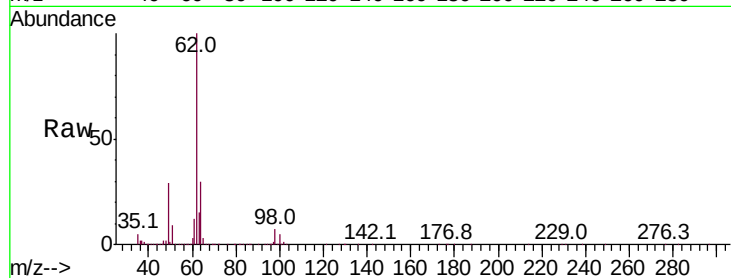




#37
 1,2-Dichloroethane
 Concen: 10.670 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

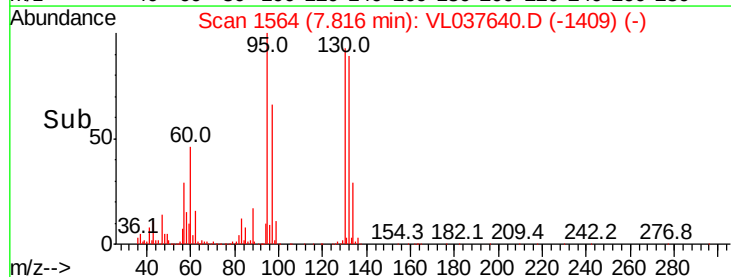
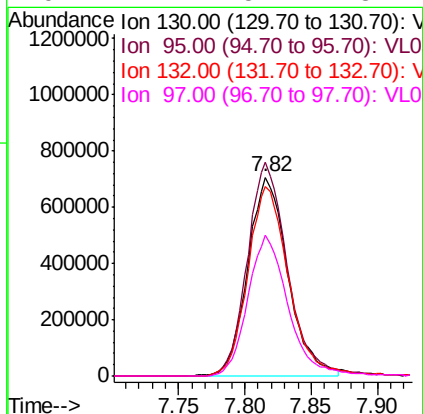
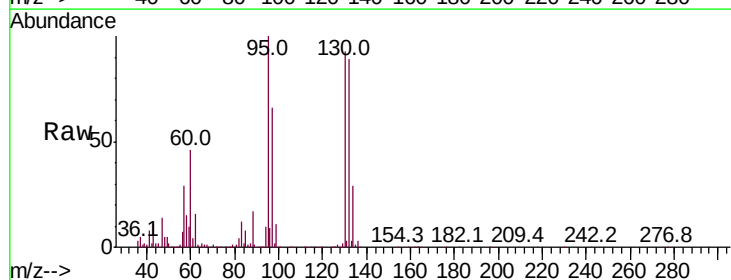
Instrument :
 MSVOA_L
 ClientSampleId :

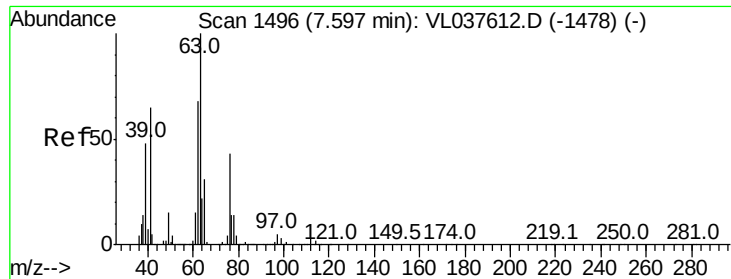
Tot Ion: 62 Resp: 1866039
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.1 9.1



#38
 Trichloroethene
 Concen: 9.958 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion:130 Resp: 1479181
 Ion Ratio Lower Upper
 130 100
 95 108.0 81.8 122.6
 132 95.8 75.3 112.9
 97 71.1 54.7 82.1





#39

1,2-Dichloropropane

Concen: 10.428 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

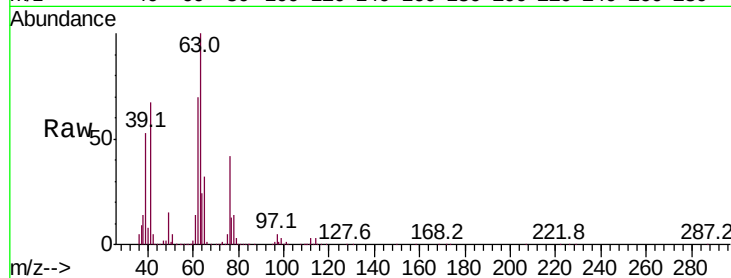
Tot Ion: 63 Resp: 1420167

Ion Ratio Lower Upper

63 100

41 66.7 51.6 77.4

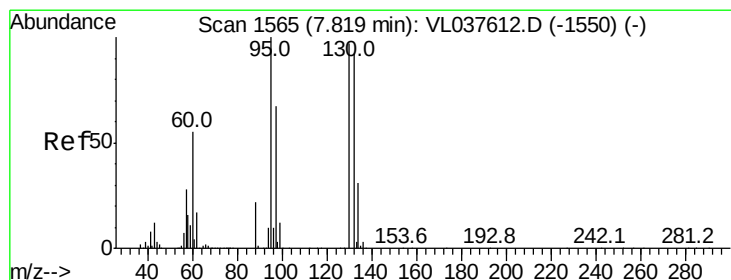
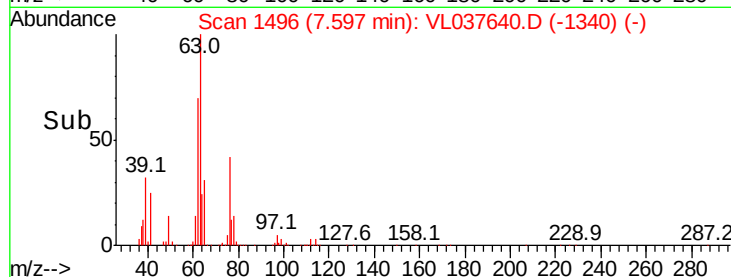
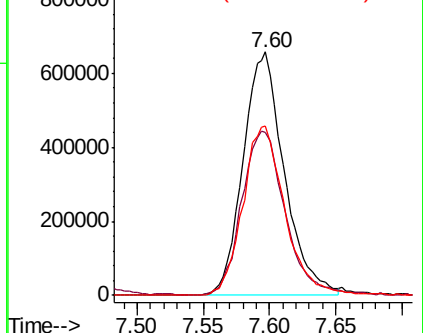
62 69.5 54.6 81.8



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: 4.868 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion: 88 Resp: 161261

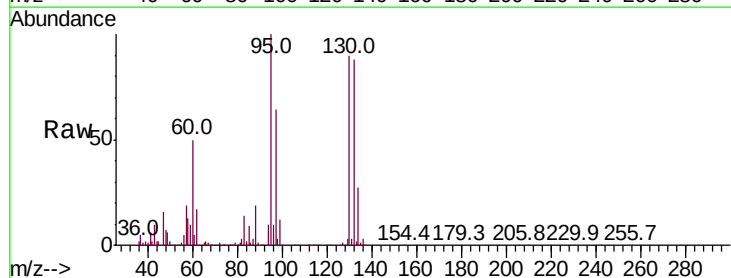
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

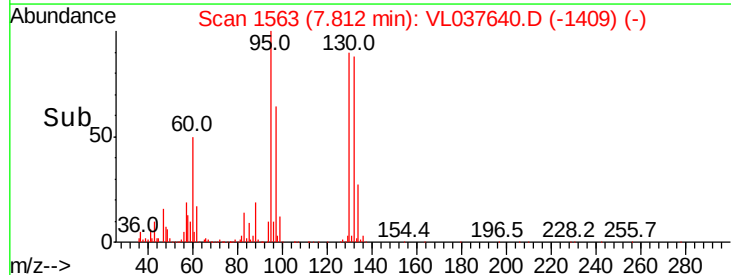
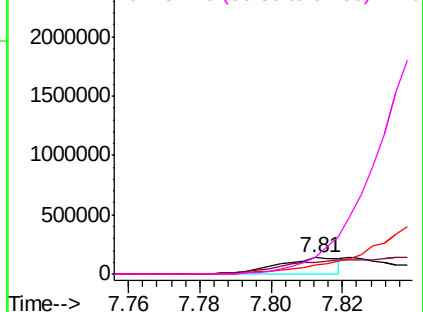


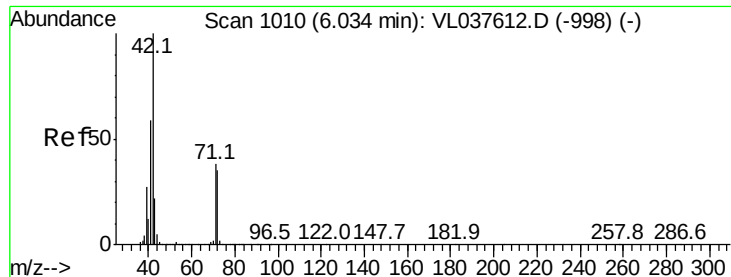
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.725 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

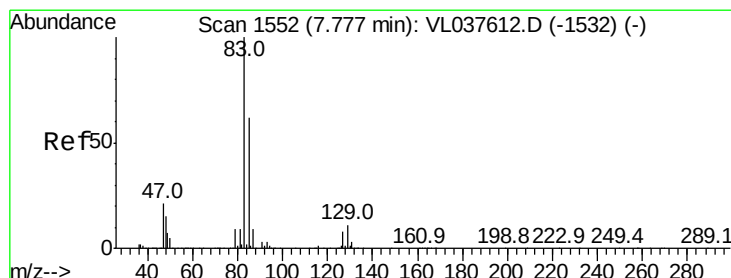
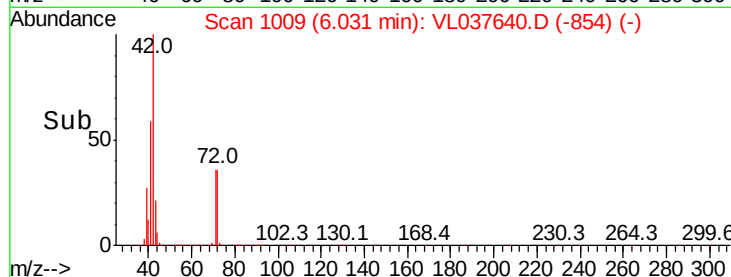
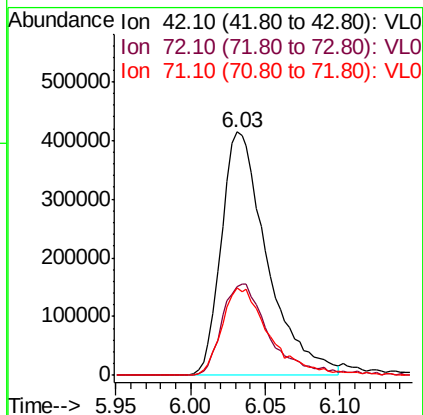
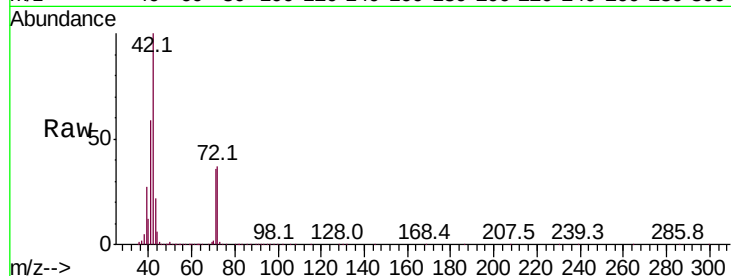
Tot Ion: 42 Resp: 873671

Ion Ratio Lower Upper

42 100

72 39.9 31.4 47.2

71 38.6 30.6 46.0



#42

Bromodichloromethane

Concen: 10.888 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

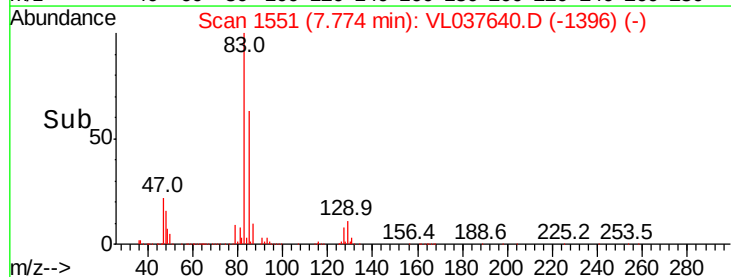
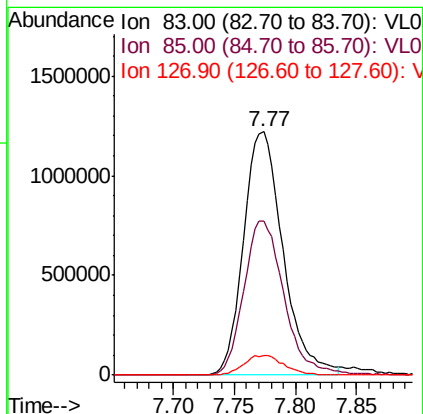
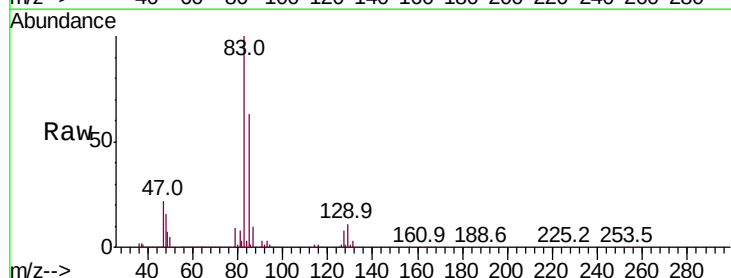
Tgt Ion: 83 Resp: 2729195

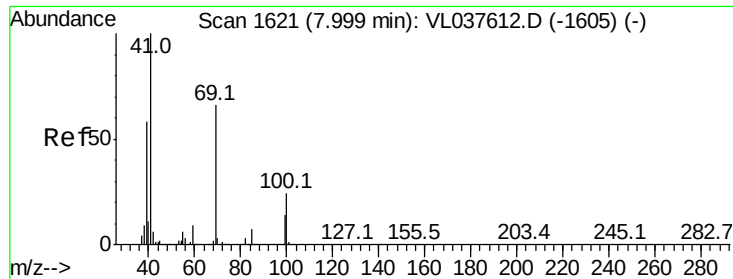
Ion Ratio Lower Upper

83 100

85 63.4 49.8 74.6

127 8.2 6.4 9.6





#43

Methyl Methacrylate

Concen: 11.428 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

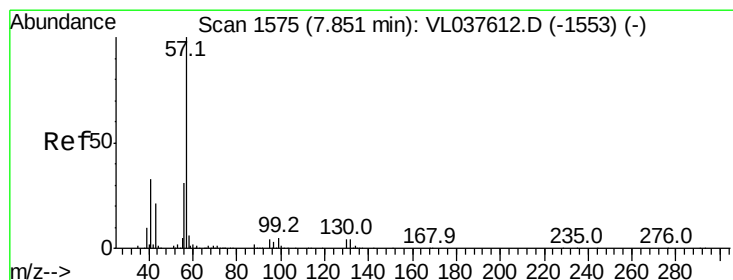
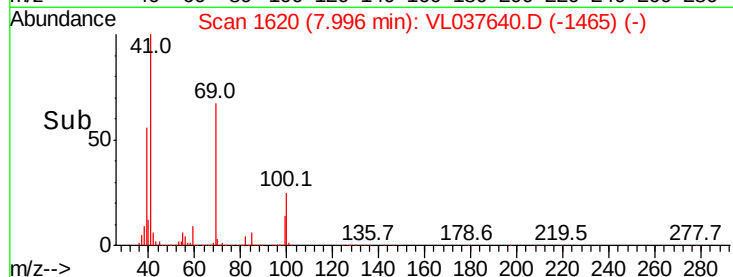
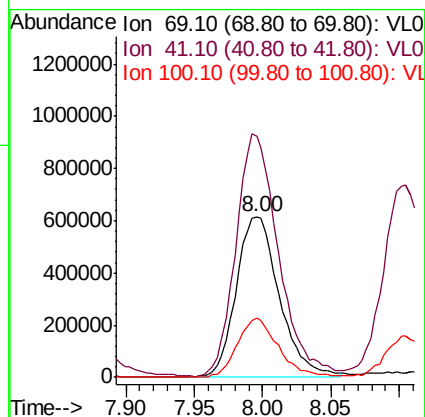
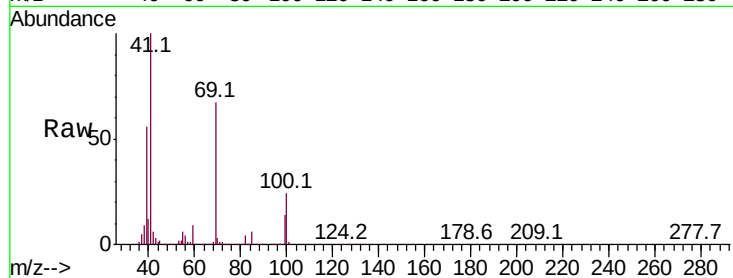
Tot Ion: 69 Resp: 1351807

Ion Ratio Lower Upper

69 100

41 149.5 119.0 178.4

100 35.1 27.6 41.4



#44

2,2,4-Trimethylpentane

Concen: 10.486 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

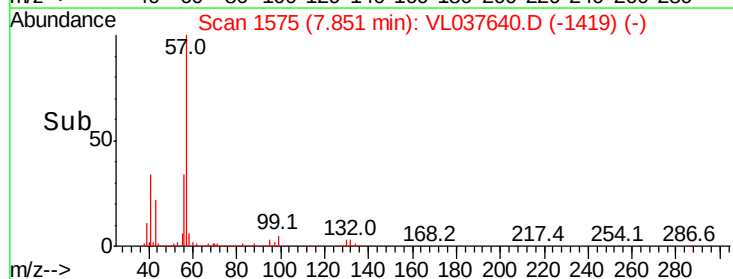
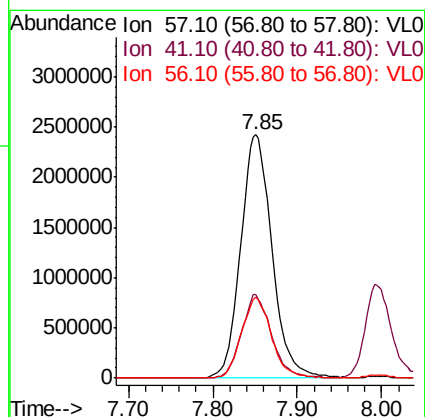
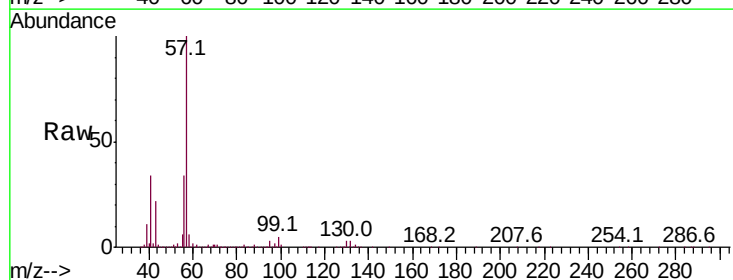
Tgt Ion: 57 Resp: 6268367

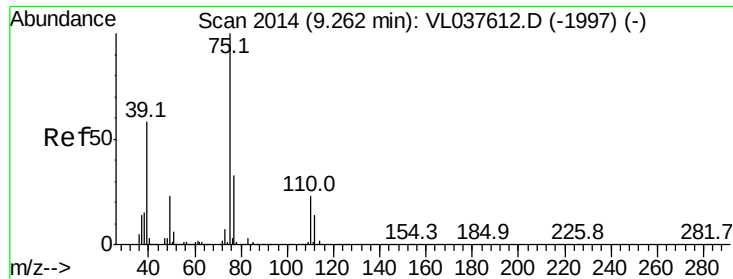
Ion Ratio Lower Upper

57 100

41 32.8 26.1 39.1

56 31.9 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.233 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

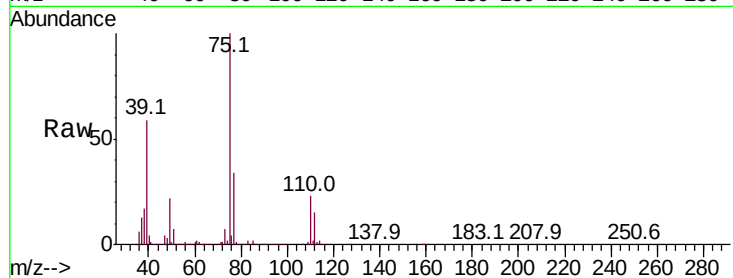
ClientSampleId :

Tot Ion: 75 Resp: 1136666

Ion Ratio Lower Upper

75 100

77 33.8 26.3 39.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.26

600000

500000

400000

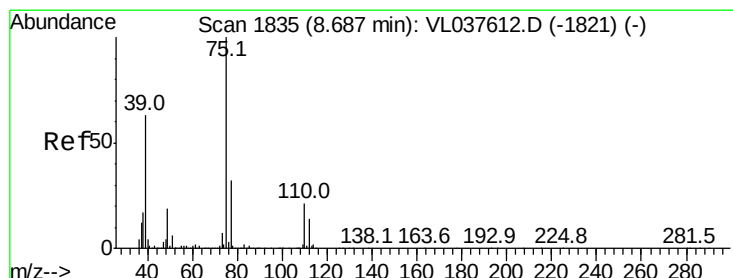
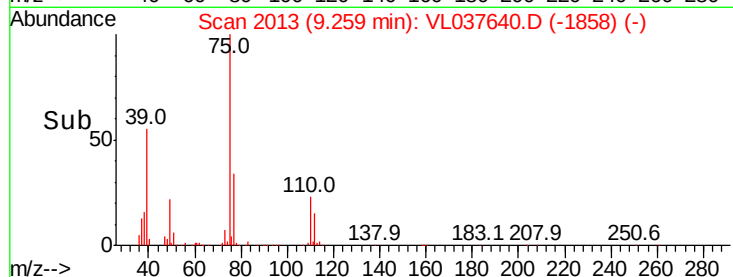
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.289 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

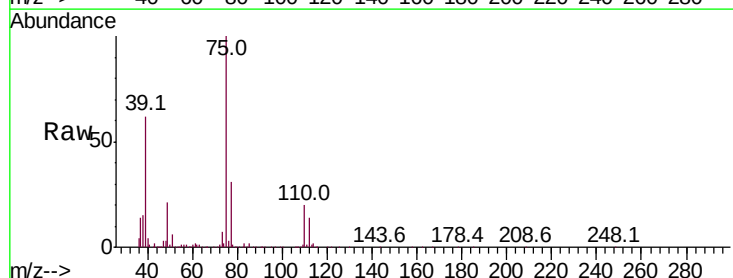
Tgt Ion: 75 Resp: 1542481

Ion Ratio Lower Upper

75 100

39 62.2 50.2 75.4

77 30.5 25.2 37.8



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

8.68

1000000

800000

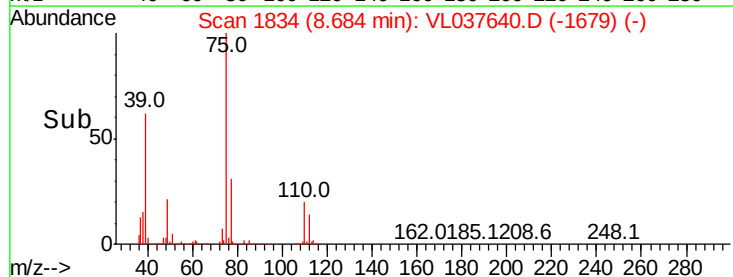
600000

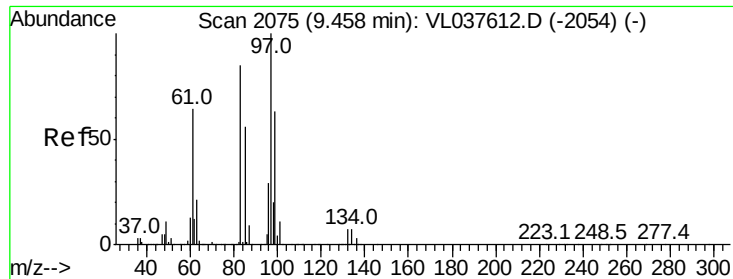
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.067 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 97 Resp: 1516684

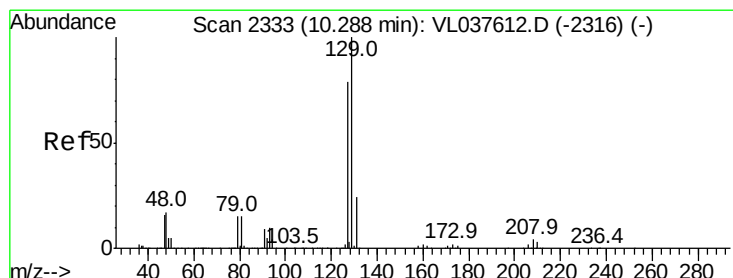
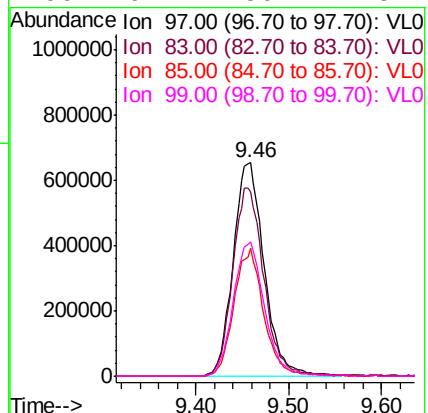
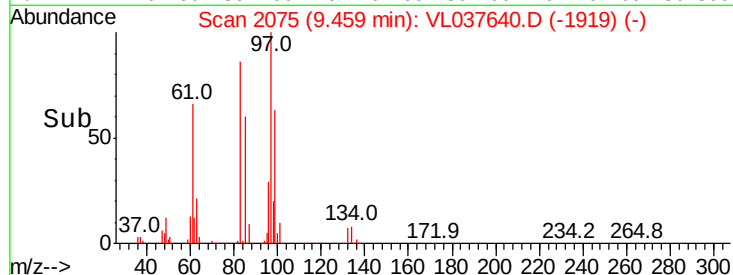
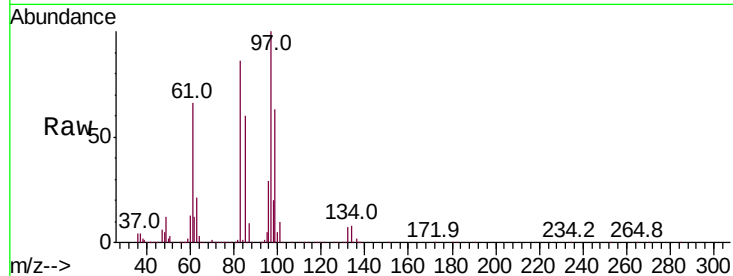
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.9	101.9
85	60.1	44.8	67.2
99	62.7	50.1	75.1

97 100

83 86.4 67.9 101.9

85 60.1 44.8 67.2

99 62.7 50.1 75.1



#48

Dibromochloromethane

Concen: 11.218 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.01 min

Lab File: VL037640.D

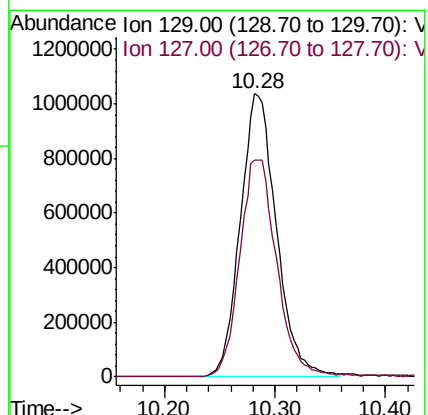
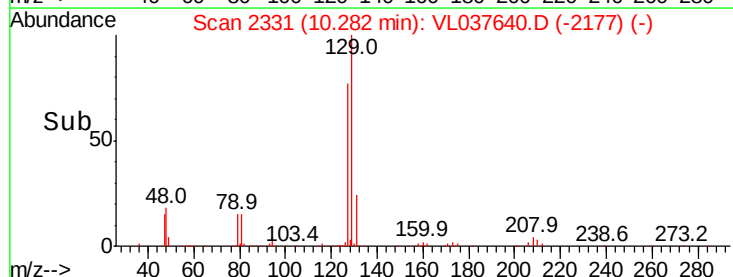
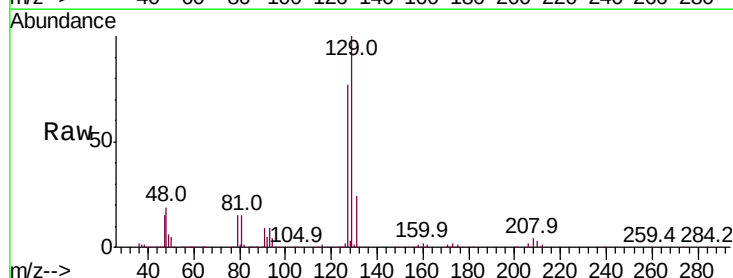
Acq: 17 Sep 2021 13:45

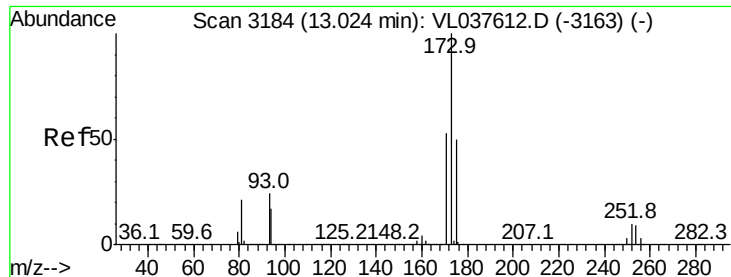
Tgt Ion: 129 Resp: 2357802

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8

129 100

127 78.7 39.3 117.8





#49

Bromoform

Concen: 11.202 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

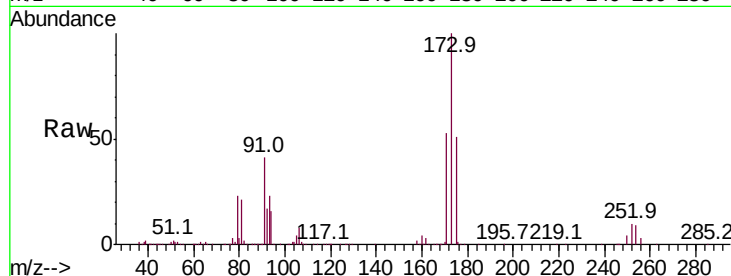
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1884416

Ion	Ratio	Lower	Upper
173	100		
175	50.2	39.8	59.8
171	52.5	42.2	63.4

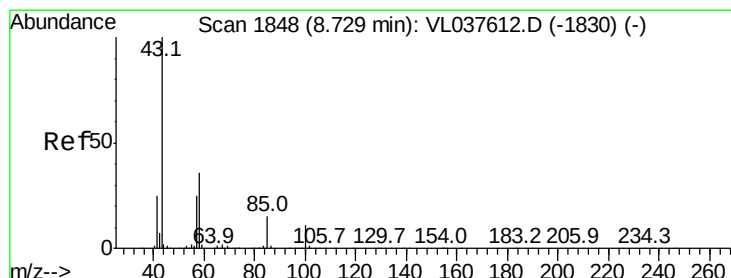
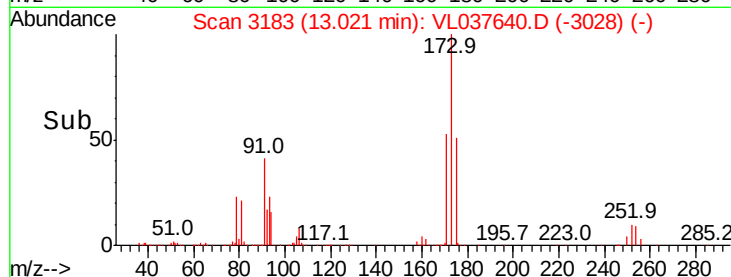
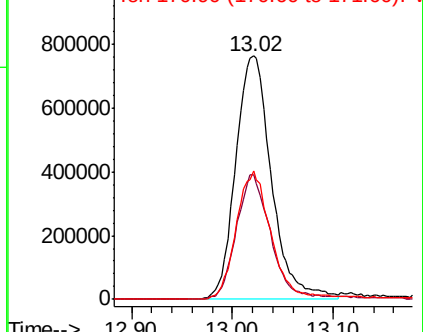


Abundance

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: 11.060 ppbv

RT: 8.72 min Scan# 1846

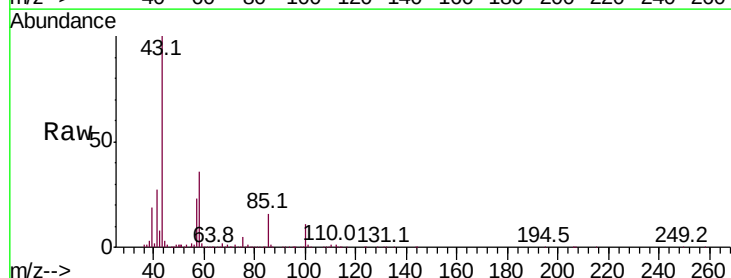
Delta R.T. -0.01 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion: 43 Resp: 2432583

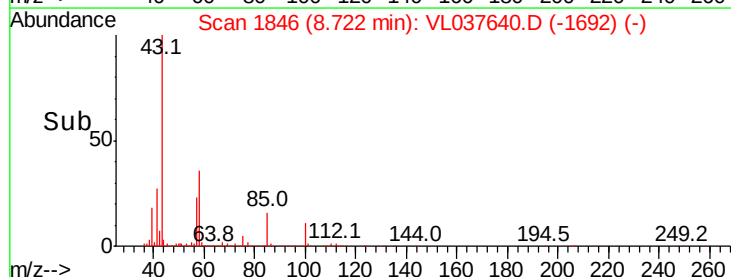
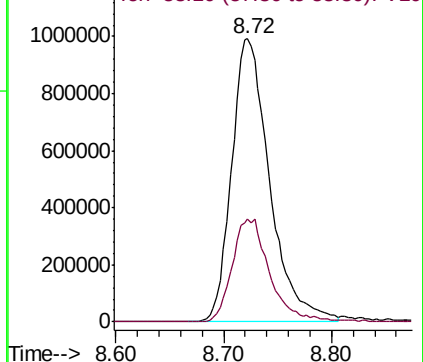
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.4	44.2

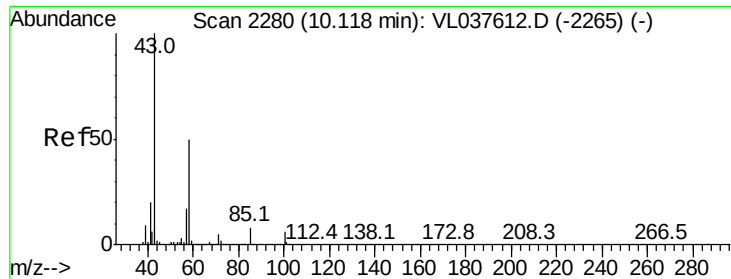


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.188 ppbv

RT: 10.12 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

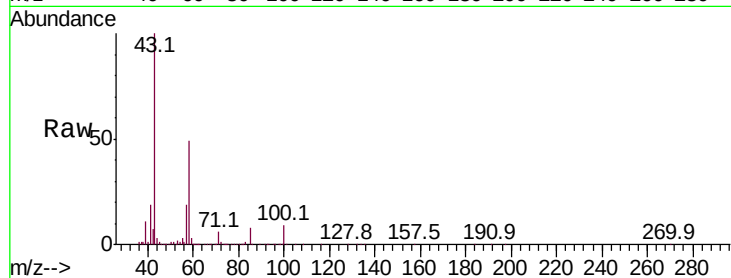
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1085749

Ion	Ratio	Lower	Upper
43	100		
58	50.2	39.3	58.9
98	0.9	0.4	0.6

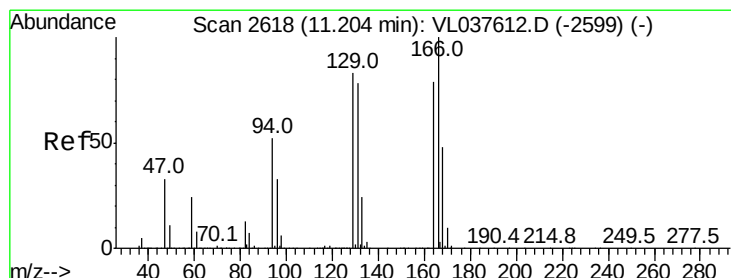
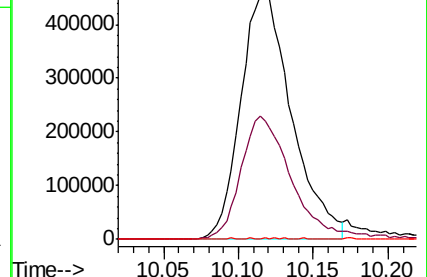
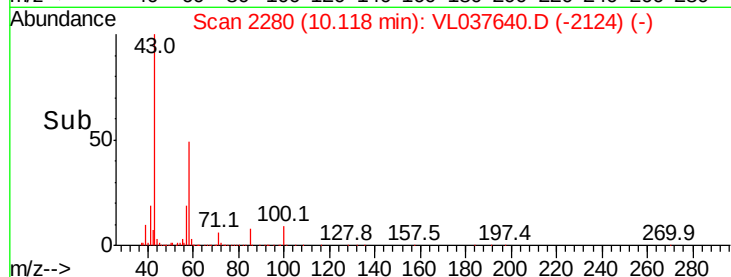


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.144 ppbv

RT: 11.20 min Scan# 2618

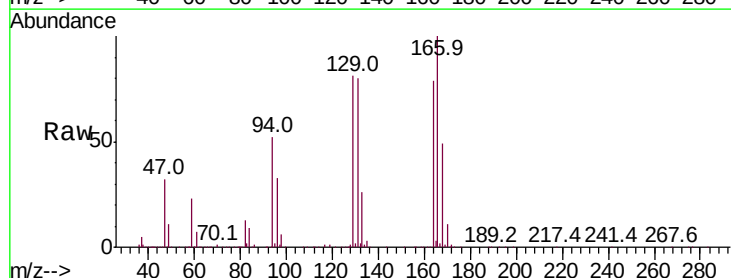
Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion: 164 Resp: 1384749

Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.2	151.8
129	103.2	84.0	126.0
131	101.0	78.8	118.2



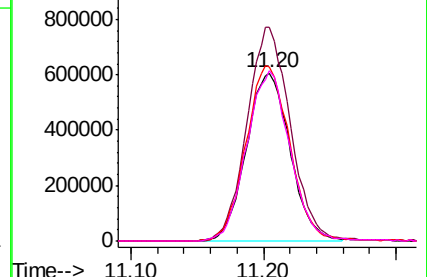
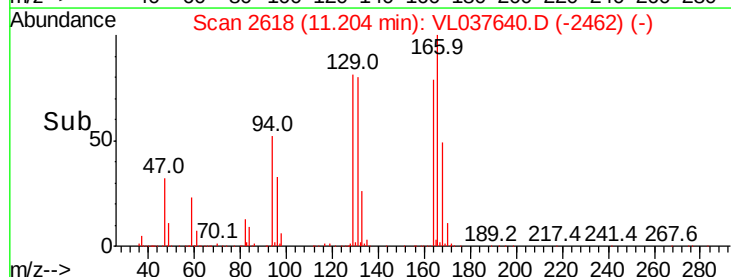
Abundance

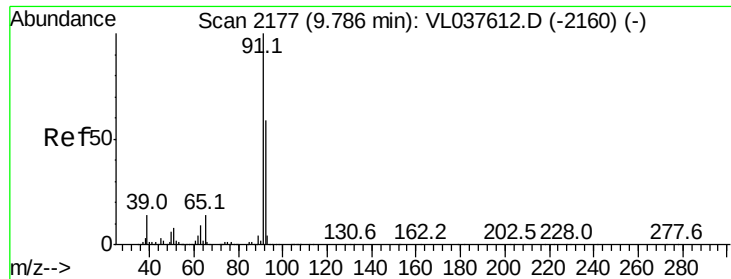
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.951 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

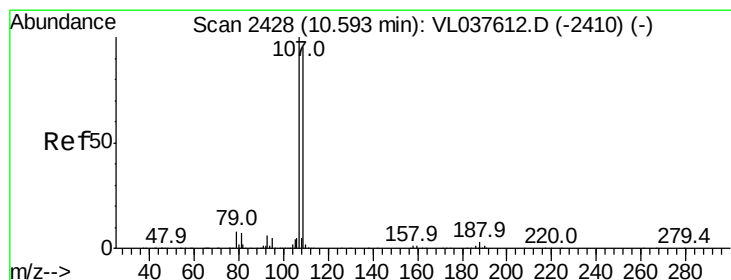
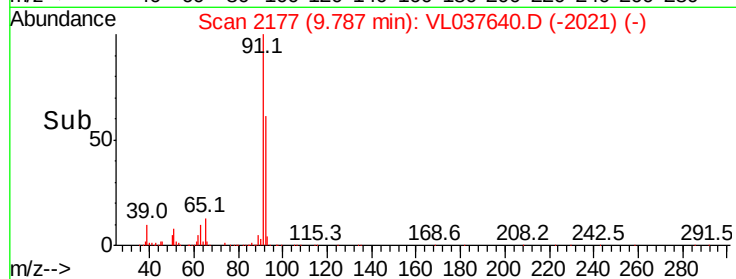
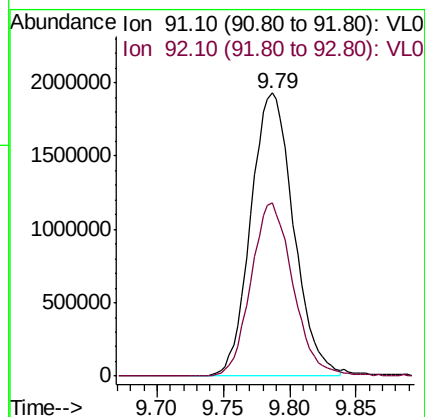
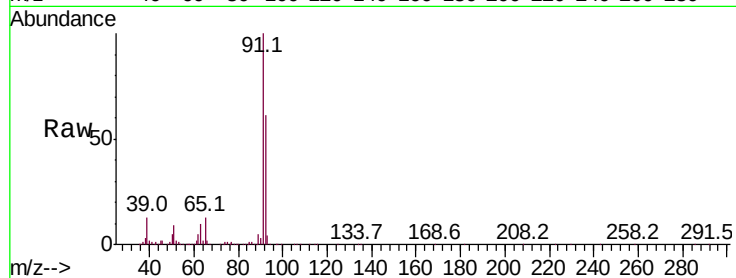
ClientSampleId :

Tot Ion: 91 Resp: 4328223

Ion Ratio Lower Upper

91 100

92 60.5 48.9 73.3



#54

1,2-Dibromoethane

Concen: 10.421 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037640.D

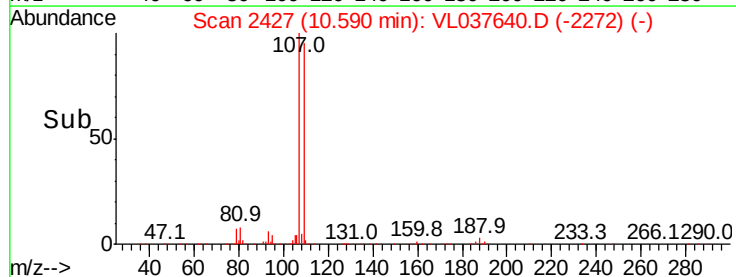
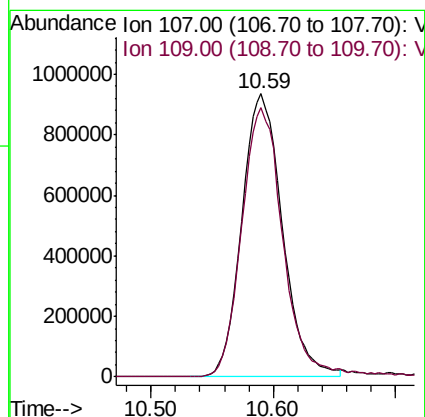
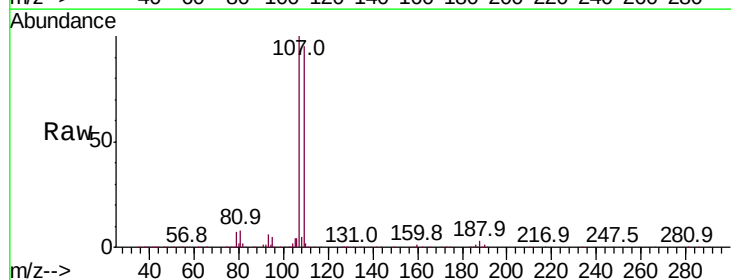
Acq: 17 Sep 2021 13:45

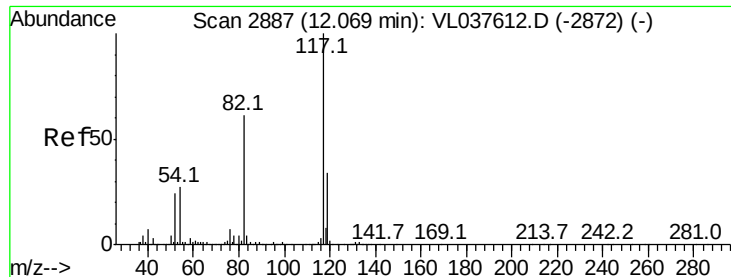
Tgt Ion: 107 Resp: 2149667

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0

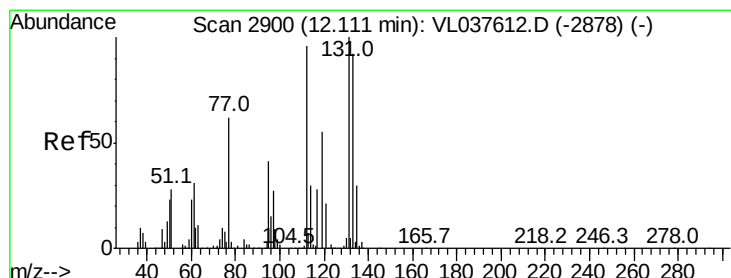
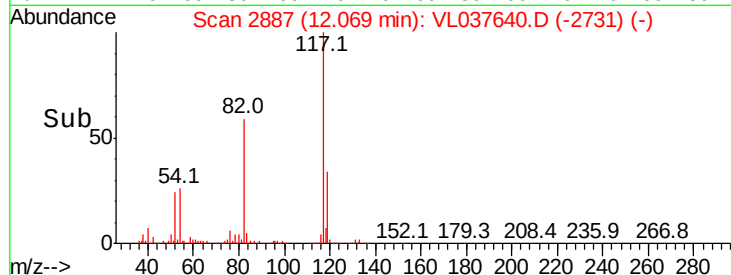
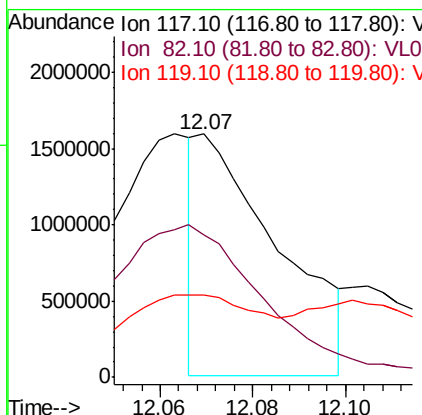
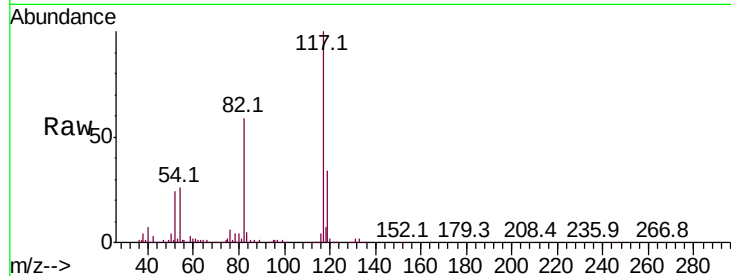




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

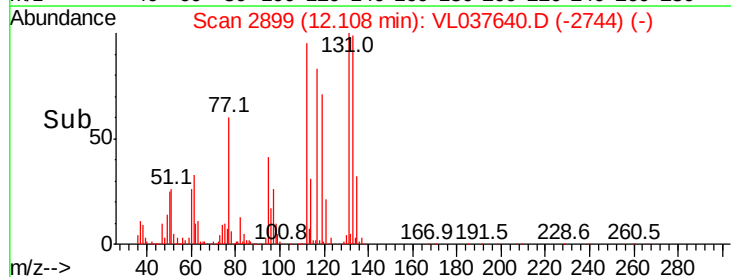
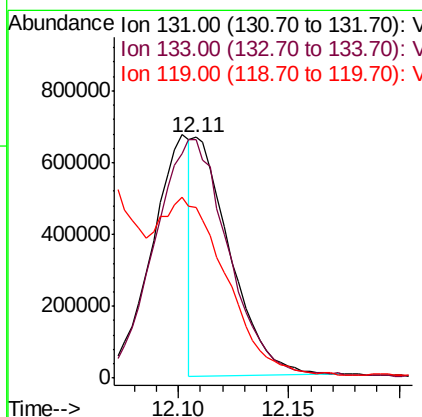
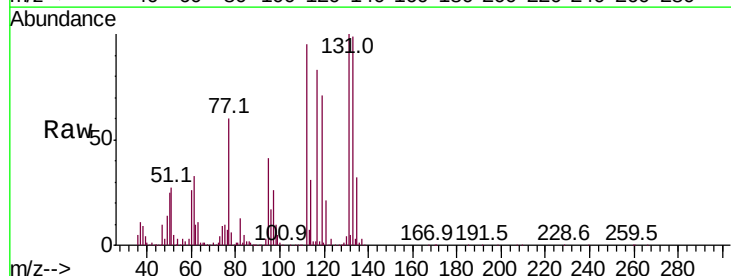
Instrument :
MSVOA_L
ClientSampled :

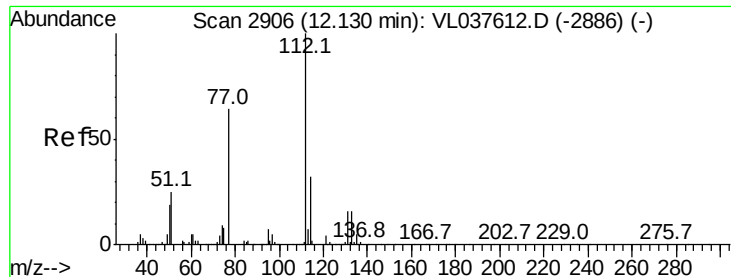
Tot Ion:117 Resp: 1901862
Ion Ratio Lower Upper
117 100
82 0.0 50.6 75.8#
119 0.0 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.862 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion:131 Resp: 778004
Ion Ratio Lower Upper
131 100
133 204.1 76.8 115.2#
119 0.0 47.8 71.8#

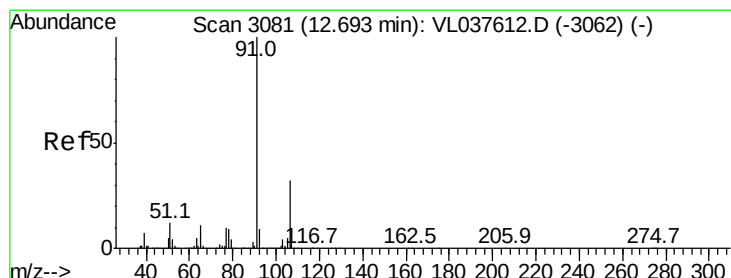
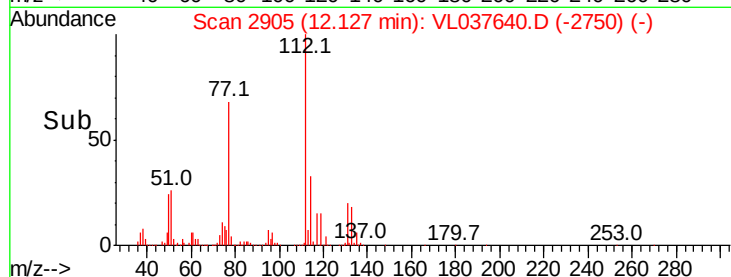
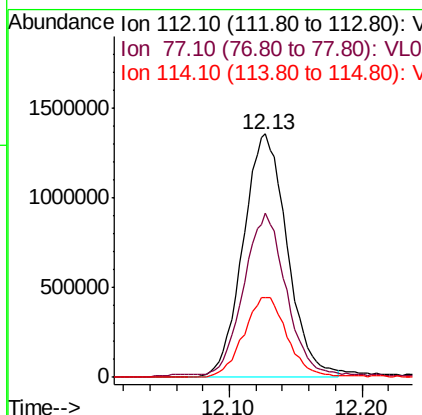
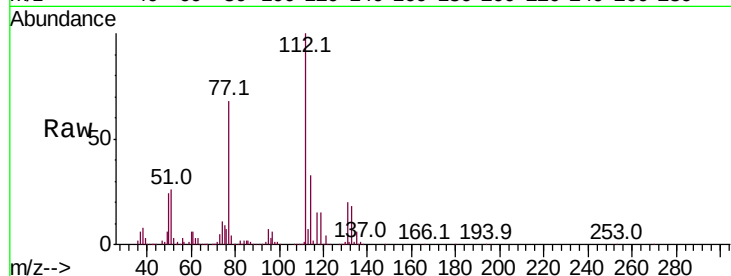




#57
Chlorobenzene
Concen: 19.848 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

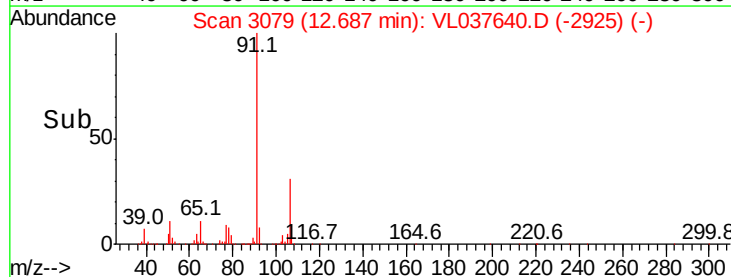
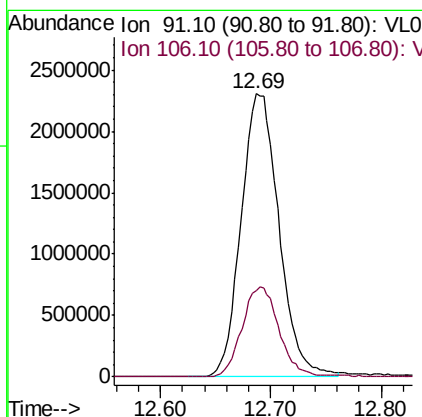
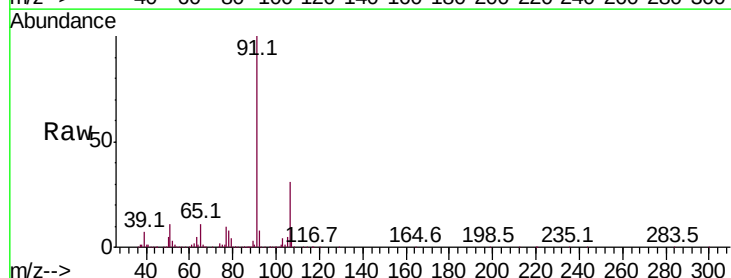
Instrument :
MSVOA_L
ClientSampleId :

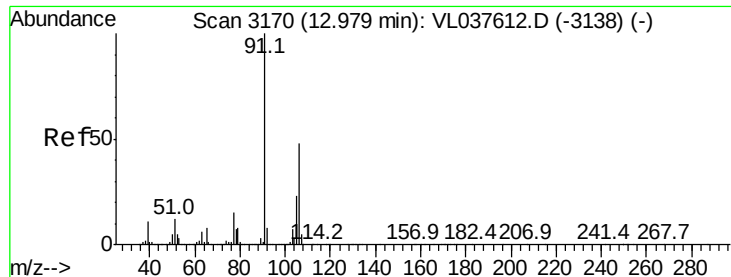
Tot Ion:112 Resp: 3138277
Ion Ratio Lower Upper
112 100
77 66.3 52.1 78.1
114 32.3 29.2 35.6



#58
Ethyl Benzene
Concen: 21.754 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion: 91 Resp: 5492063
Ion Ratio Lower Upper
91 100
106 30.6 25.3 37.9





#59

m/p-Xylene

Concen: 22.123 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

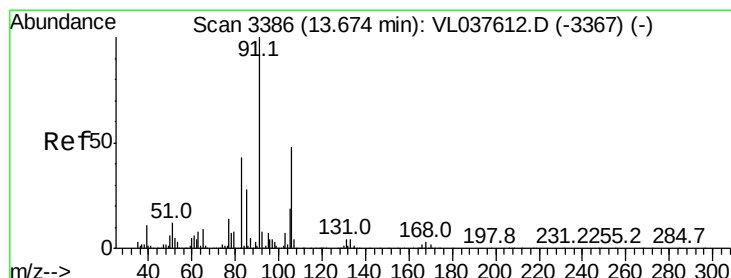
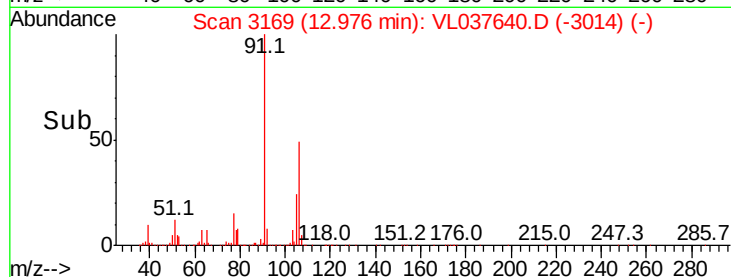
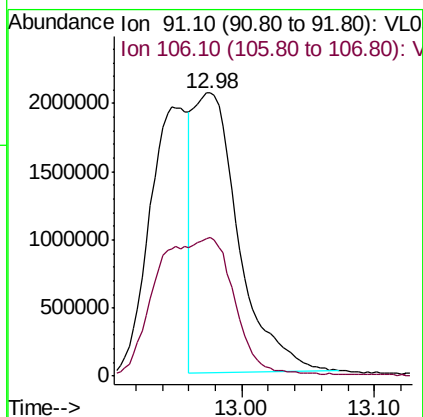
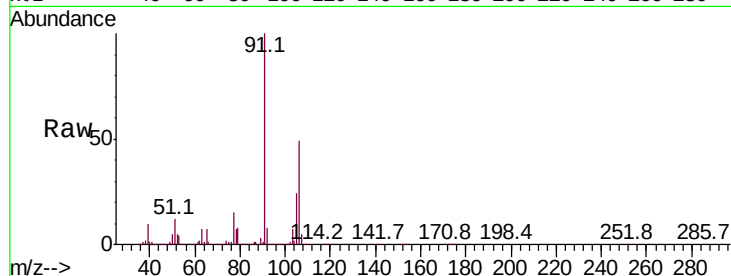
ClientSampleId :

Tot Ion: 91 Resp: 4867244

Ion Ratio Lower Upper

91 100

106 86.2 36.6 55.0#



#60

o-Xylene

Concen: 20.466 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL037640.D

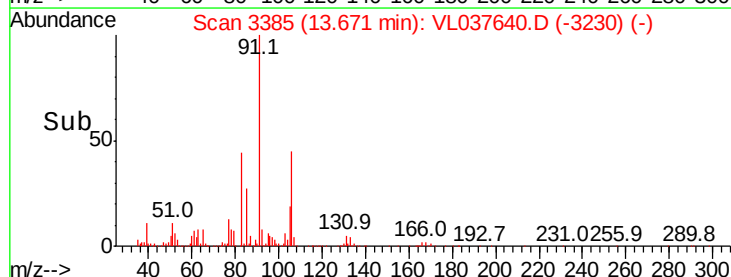
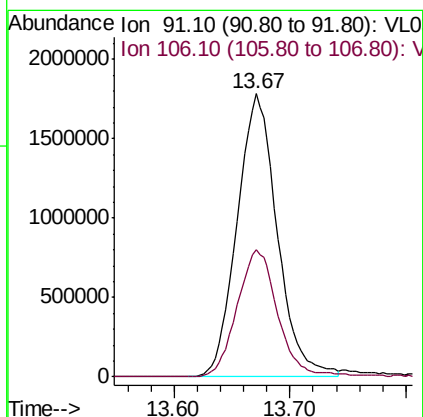
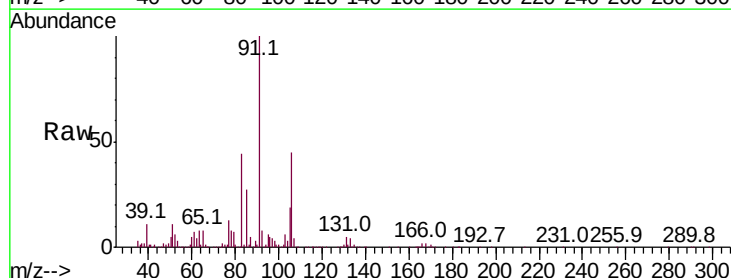
Acq: 17 Sep 2021 13:45

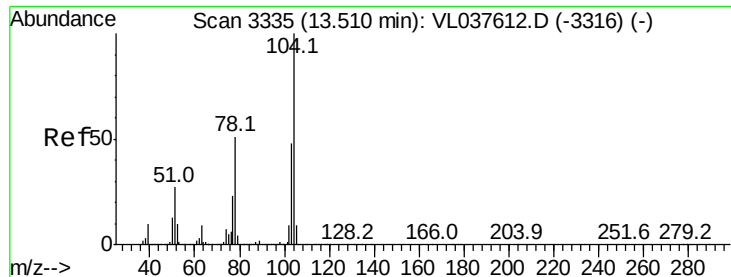
Tgt Ion: 91 Resp: 4285702

Ion Ratio Lower Upper

91 100

106 46.4 23.0 69.0





#61

Stvrene

Concen: 23.411 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

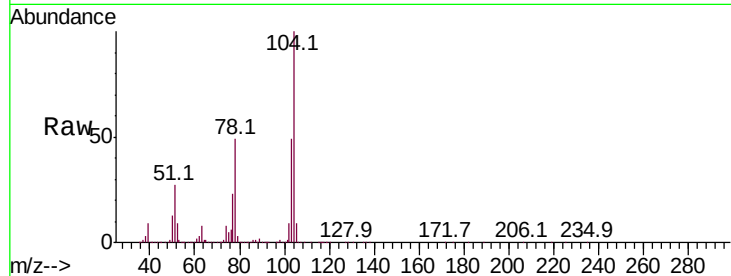
Tot Ion:104 Resp: 2417307

Ion Ratio Lower Upper

104 100

78 49.1 39.7 59.5

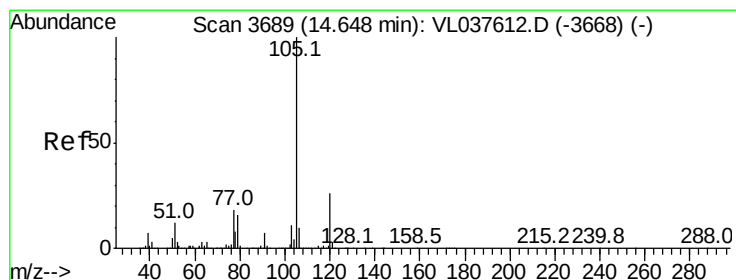
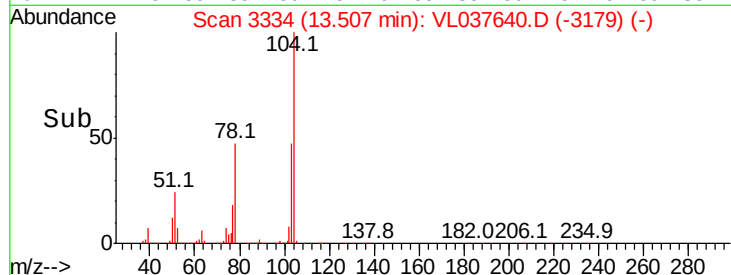
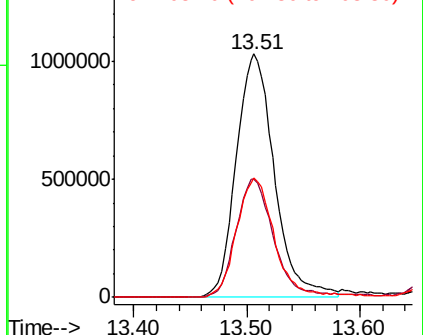
103 49.2 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 20.079 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037640.D

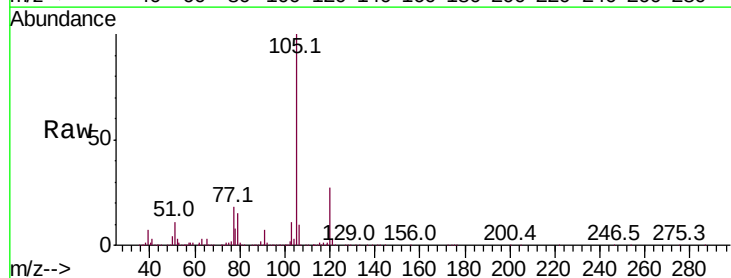
Acq: 17 Sep 2021 13:45

Tgt Ion:105 Resp: 5873922

Ion Ratio Lower Upper

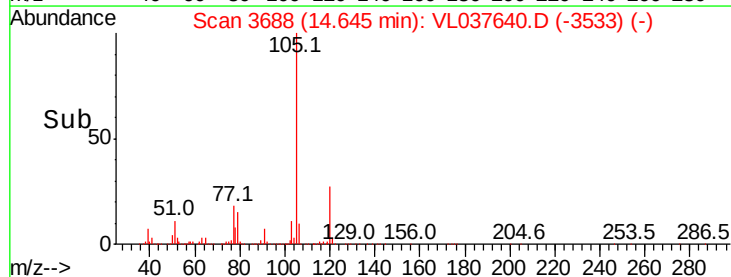
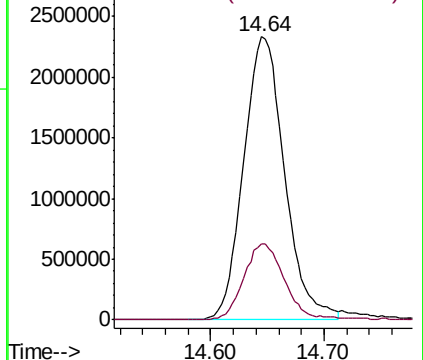
105 100

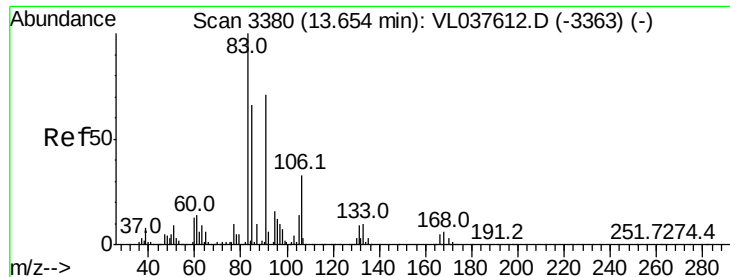
120 27.4 21.4 32.0



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: 17.963 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

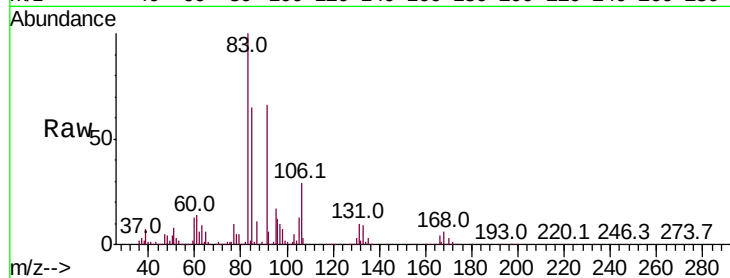
Tot Ion: 83 Resp: 2943800

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	66.9	33.3	99.9

83 100

131 10.0 5.1 15.3

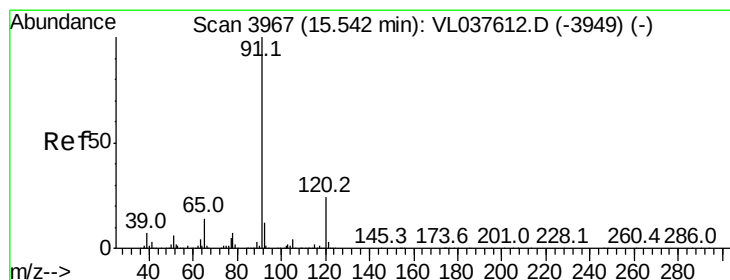
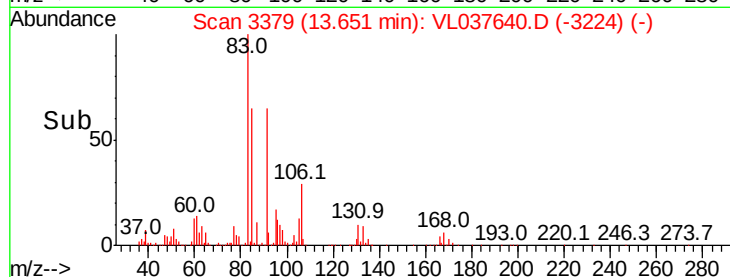
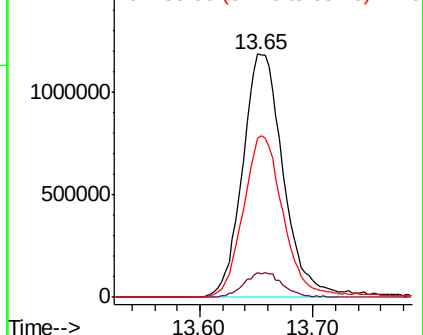
85 66.9 33.3 99.9



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



#64

n-propylbenzene

Concen: 20.188 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037640.D

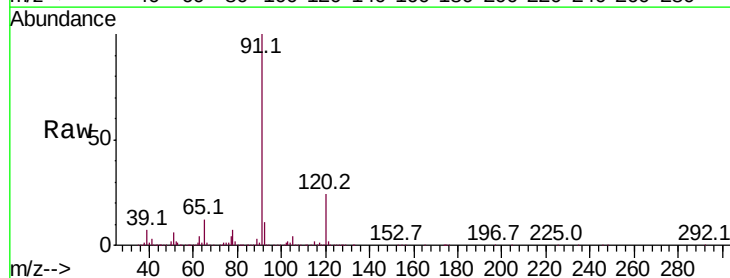
Acq: 17 Sep 2021 13:45

Tgt Ion:120 Resp: 1523963

Ion	Ratio	Lower	Upper
120	100		
91	476.0	345.0	517.4

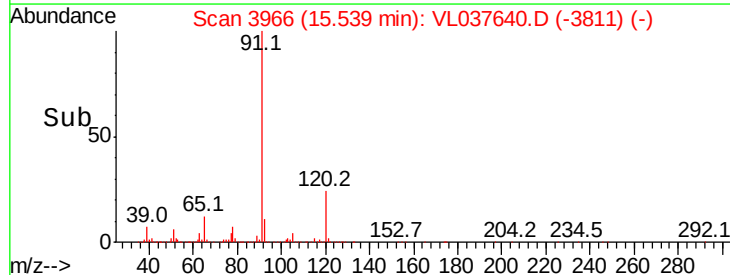
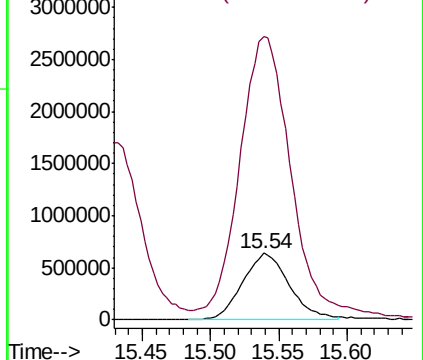
120 100

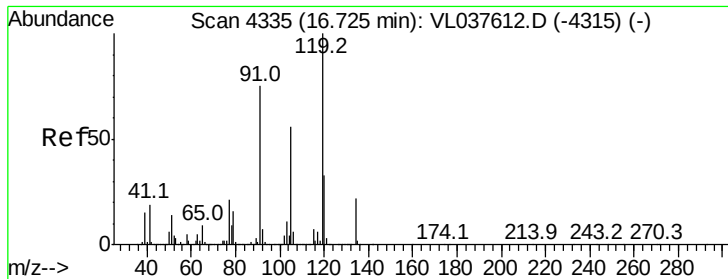
91 476.0 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 19.602 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampleId :

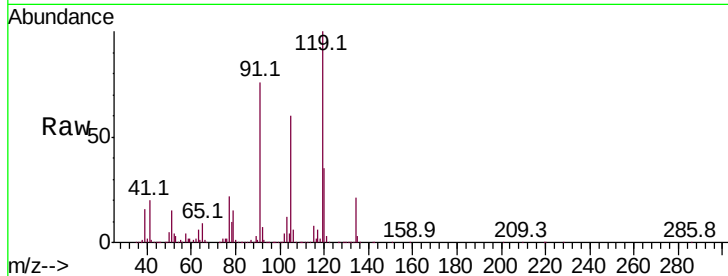
Tot Ion:119 Resp: 5169988

Ion Ratio Lower Upper

119 100

91 77.5 61.9 92.9

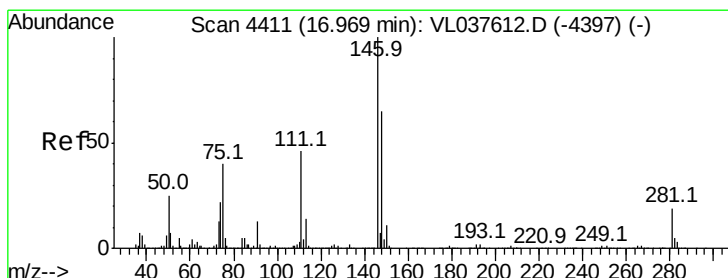
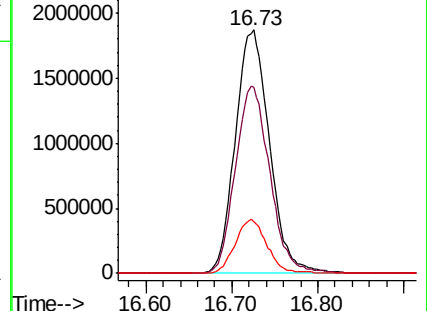
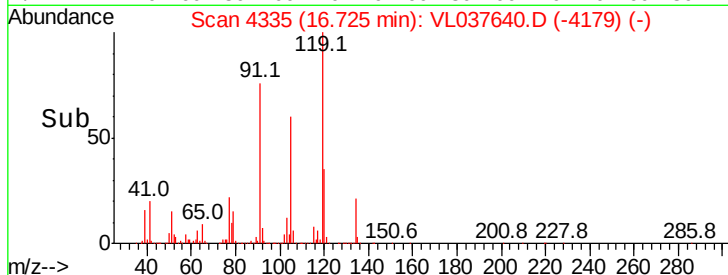
134 20.6 16.5 24.7



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: 21.614 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

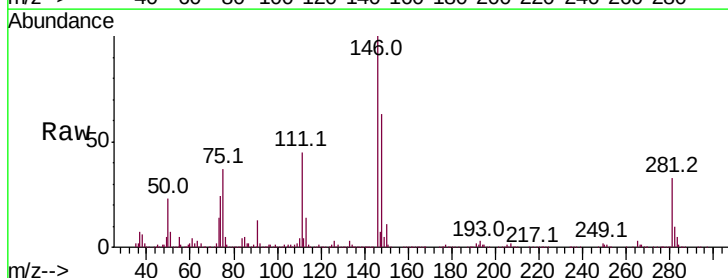
Tgt Ion: 91 Resp: 311535

Ion Ratio Lower Upper

91 100

126 19.4 14.4 21.6

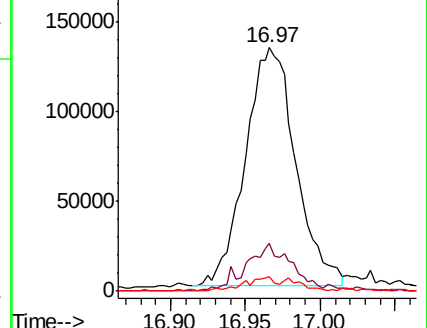
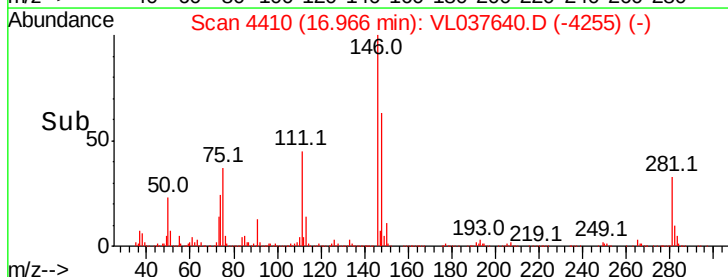
128 6.5 5.7 8.5

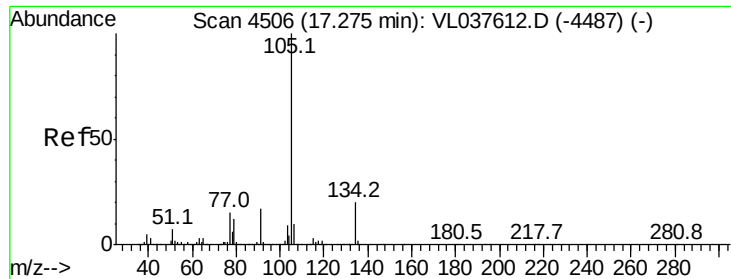


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 19.967 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

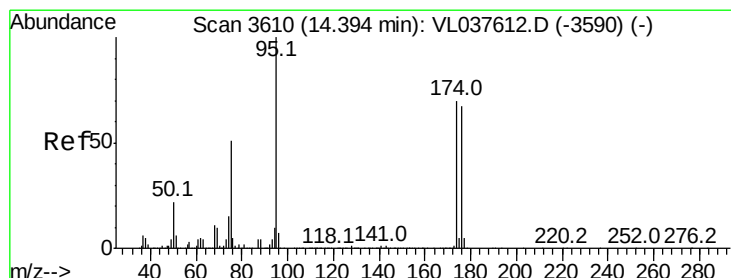
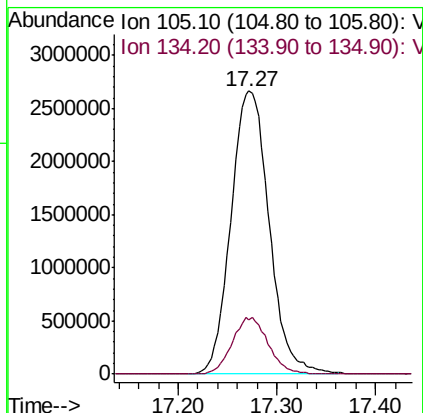
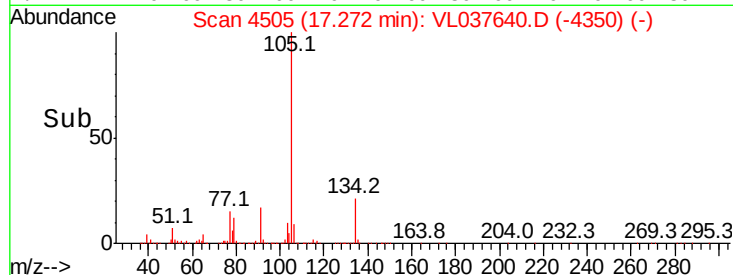
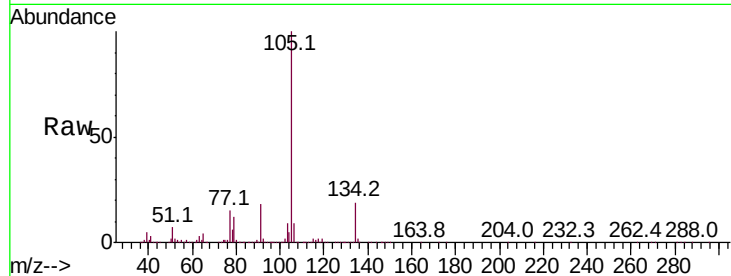
ClientSampleId :

Tot Ion:105 Resp: 7145061

Ion Ratio Lower Upper

105 100

134 18.9 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 21.159 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

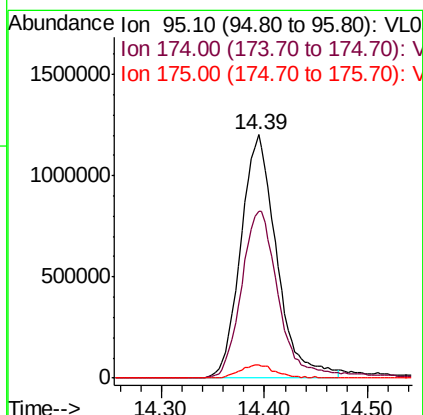
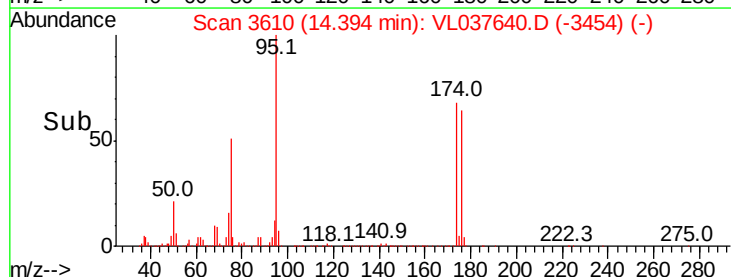
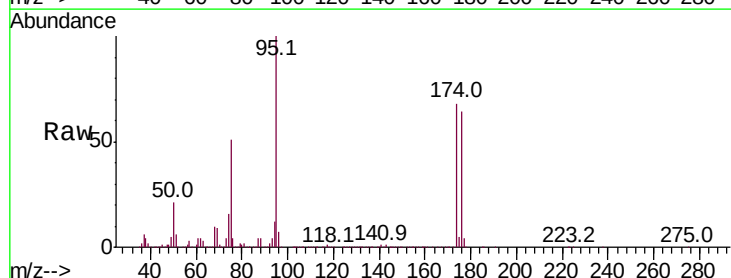
Tgt Ion: 95 Resp: 2908307

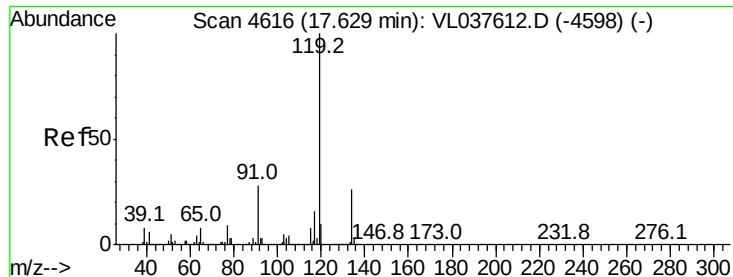
Ion Ratio Lower Upper

95 100

174 72.9 56.3 84.5

175 5.5 4.4 6.6

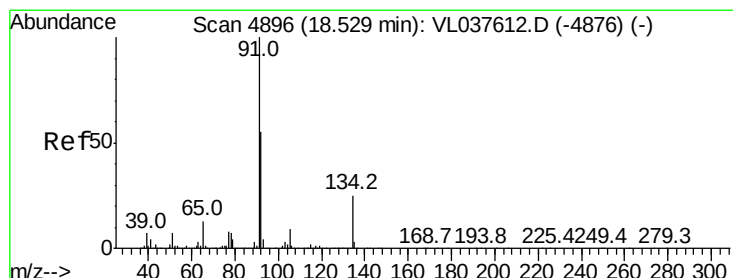
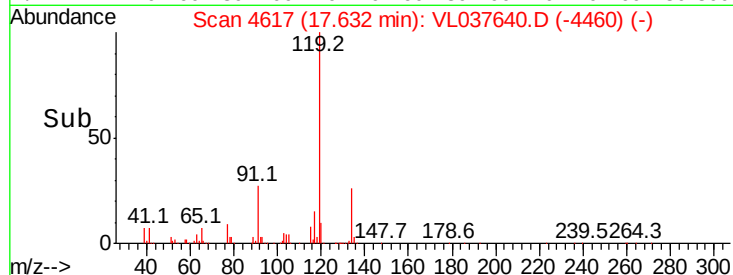
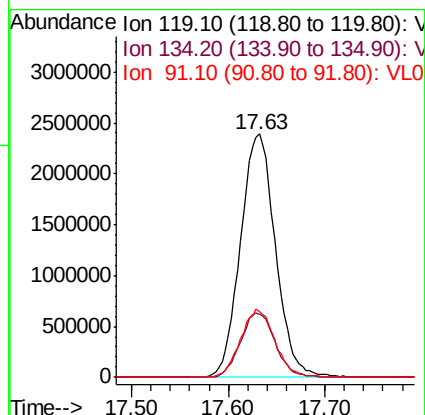
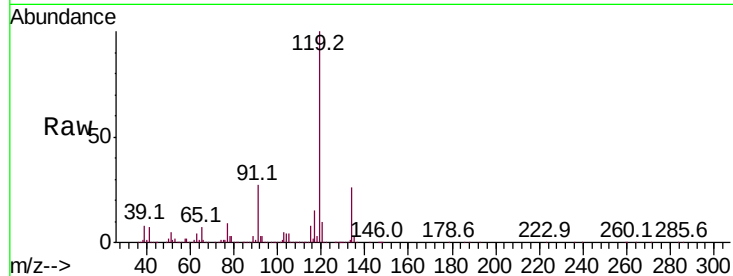




#69
 p-Isopropyltoluene
 Concen: 20.536 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

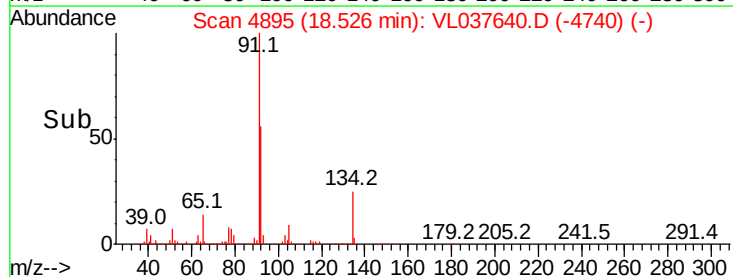
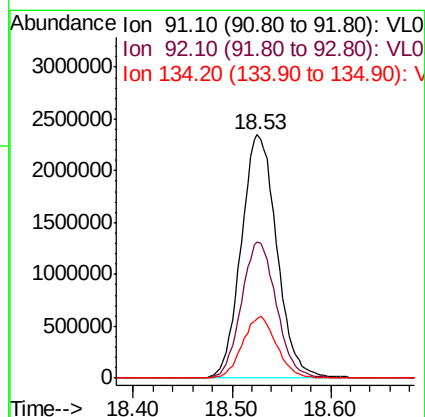
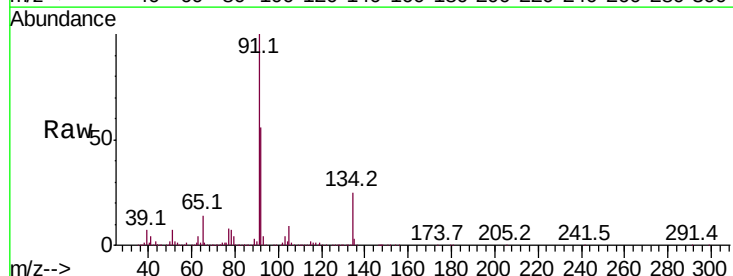
Instrument :
 MSVOA_L
 ClientSampleId :

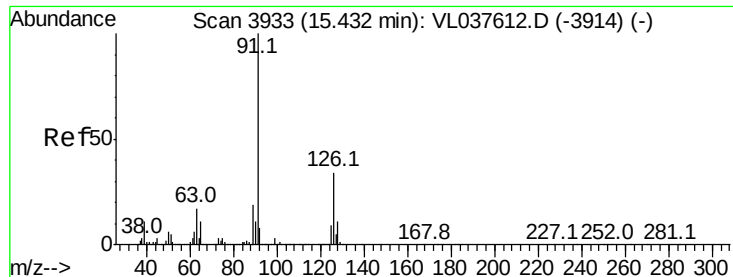
Tot Ion:119 Resp: 6003725
 Ion Ratio Lower Upper
 119 100
 134 26.5 21.2 31.8
 91 27.5 22.2 33.2



#70
 n-Butylbenzene
 Concen: 21.138 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion: 91 Resp: 5846934
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.0 66.0
 134 24.5 19.5 29.3





#71

2-Chlorotoluene

Concen: 20.218 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

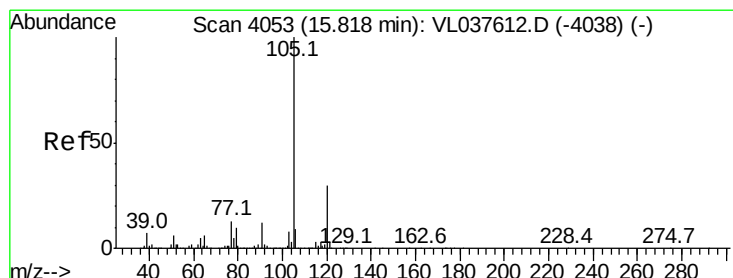
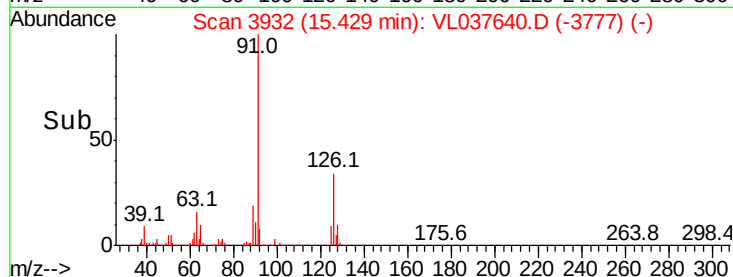
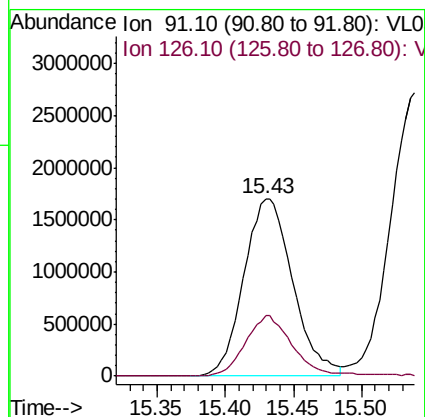
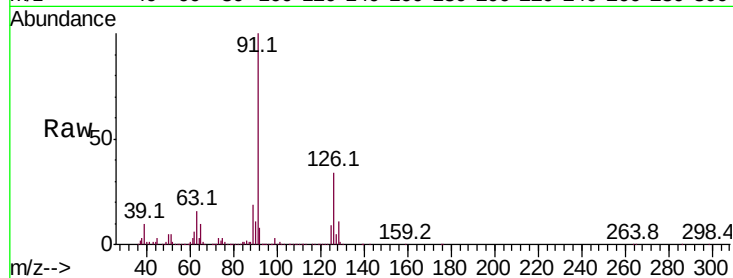
ClientSampleId :

Tot Ion: 91 Resp: 4238408

Ion Ratio Lower Upper

91 100

126 33.9 13.2 52.8



#72

4-Ethyltoluene

Concen: 21.036 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Tgt Ion:105 Resp: 5056577

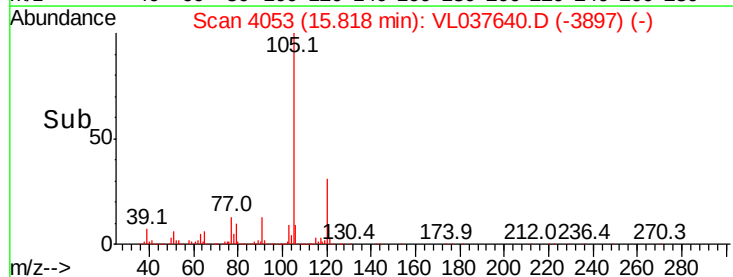
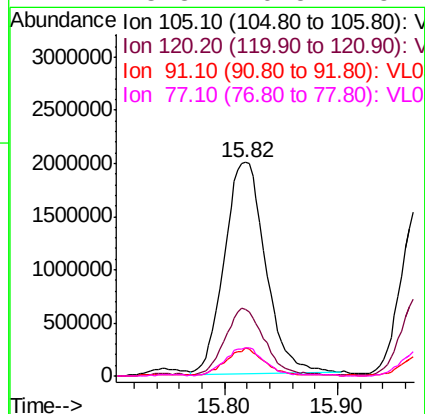
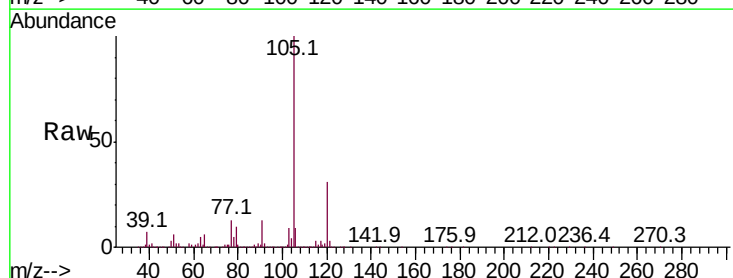
Ion Ratio Lower Upper

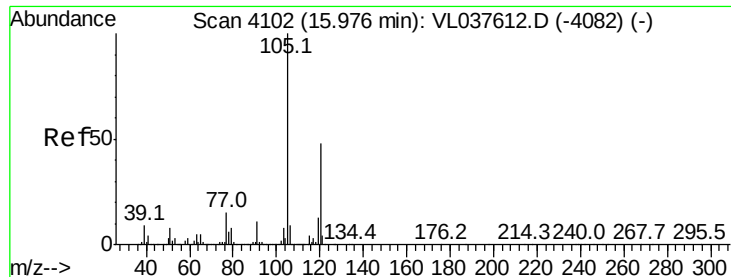
105 100

120 31.4 24.7 37.1

91 11.9 9.9 14.9

77 13.3 10.5 15.7

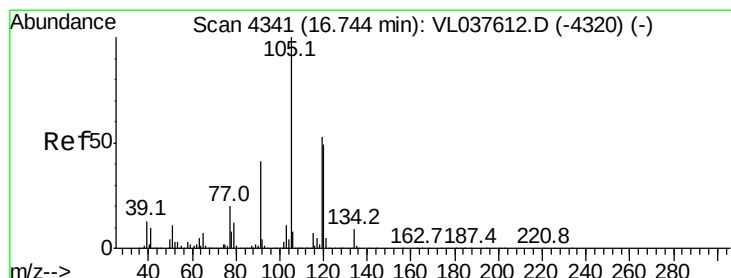
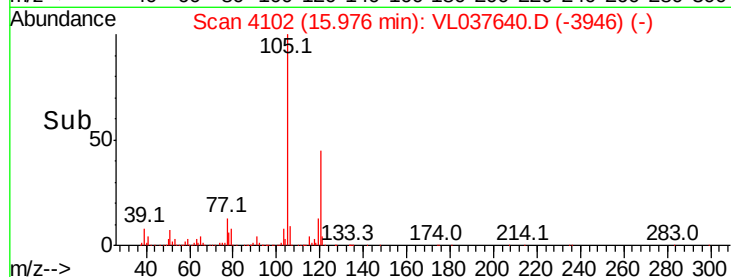
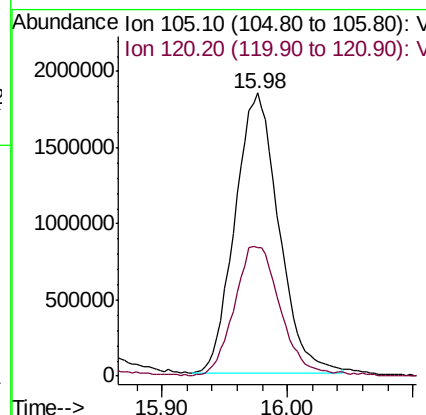
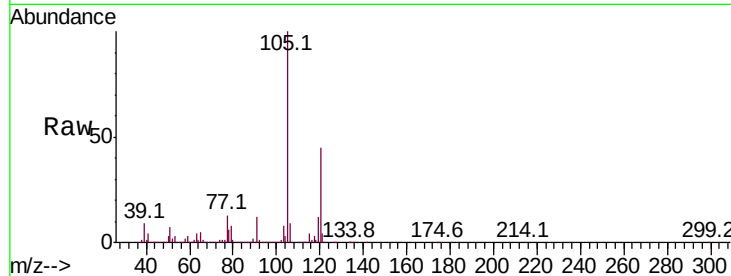




#73
 1,3,5-Trimethylbenzene
 Concen: 19.950 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

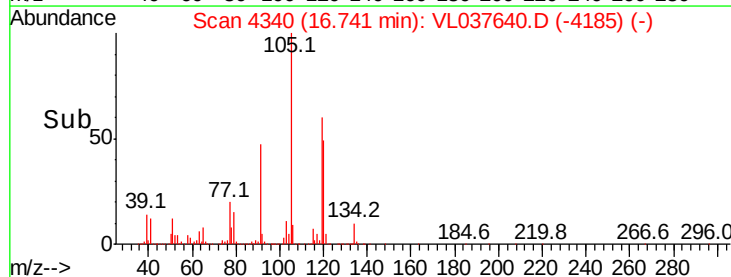
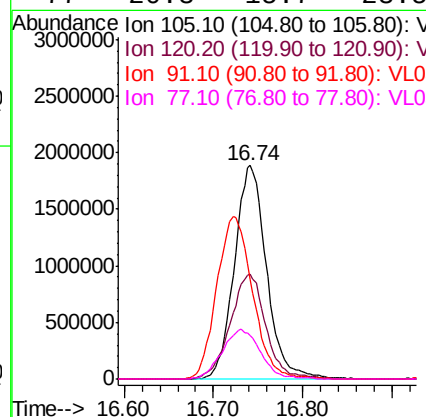
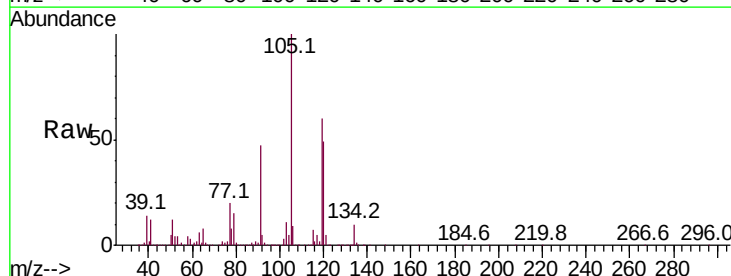
Instrument :
 MSVOA_L
 ClientSampleId :

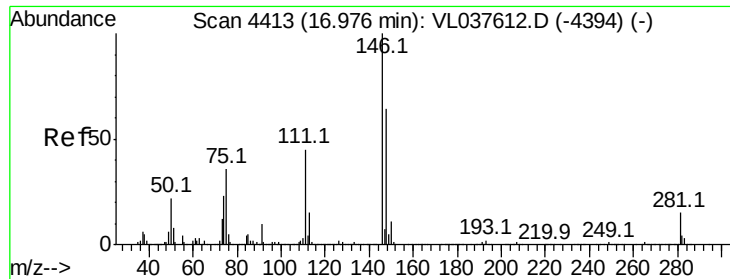
Tot Ion:105 Resp: 4469848
 Ion Ratio Lower Upper
 105 100
 120 45.6 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 19.935 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion:105 Resp: 4704660
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.4 59.0
 91 46.8 33.3 49.9
 77 20.3 15.7 23.5

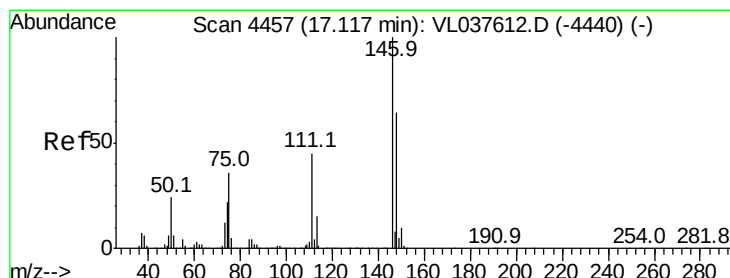
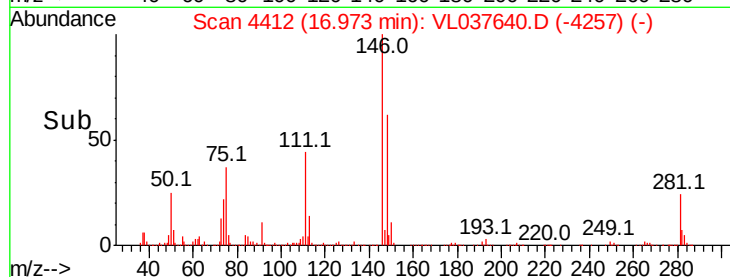
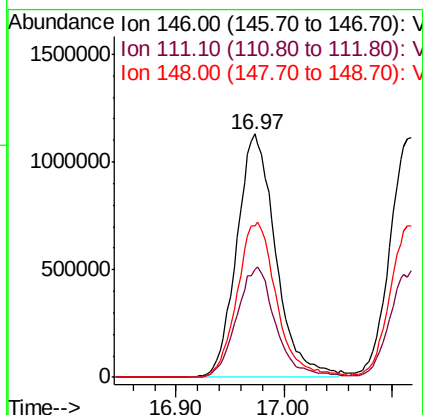
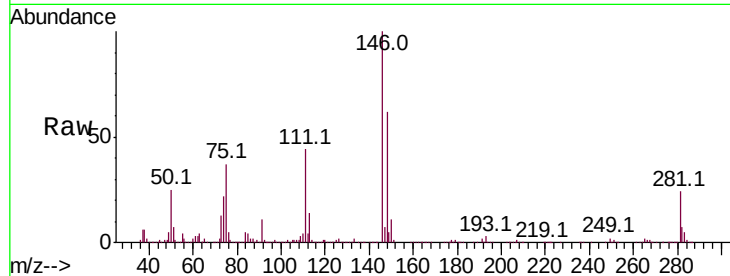




#75
 1,3-Dichlorobenzene
 Concen: 19.392 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

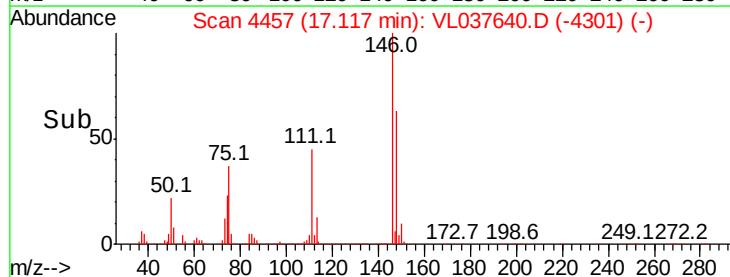
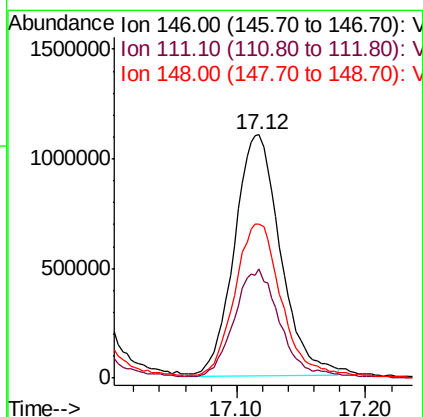
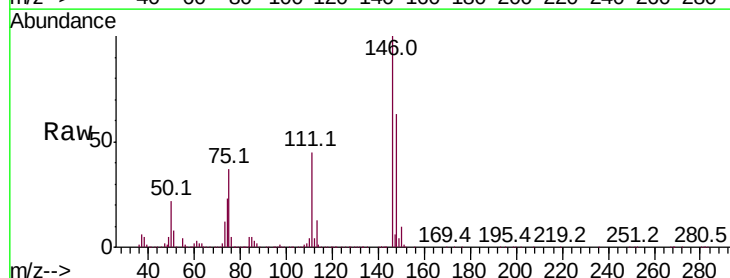
Instrument :
 MSVOA_L
 ClientSampleId :

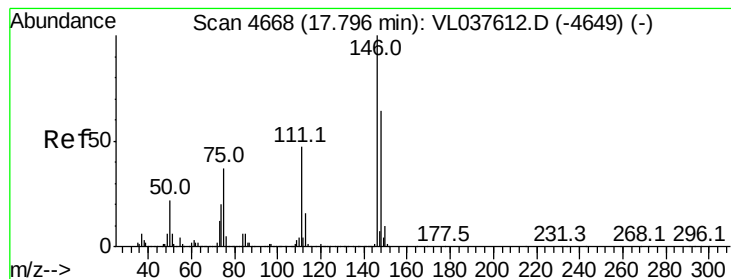
Tot Ion:146 Resp: 2843323
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.8 68.3
 148 64.6 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 18.814 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Tgt Ion:146 Resp: 2720746
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.5 67.5
 148 66.5 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 19.608 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

Instrument :

MSVOA_L

ClientSampled :

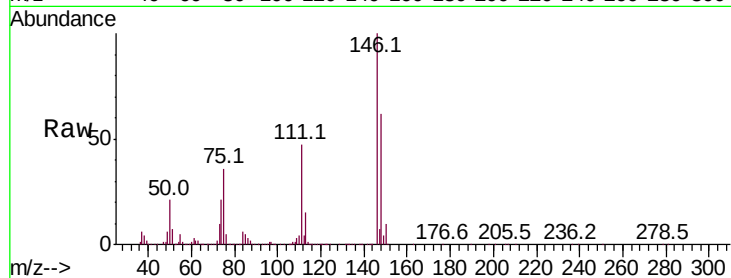
Tot Ion:146 Resp: 2726868

Ion Ratio Lower Upper

146 100

111 47.1 24.0 72.0

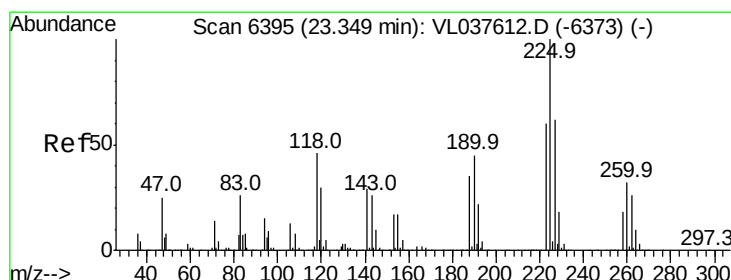
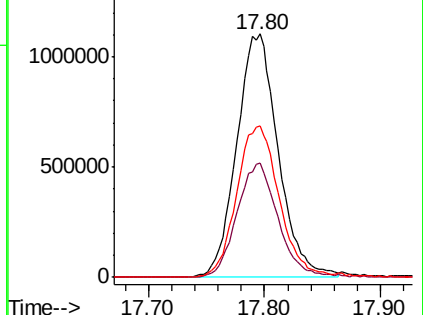
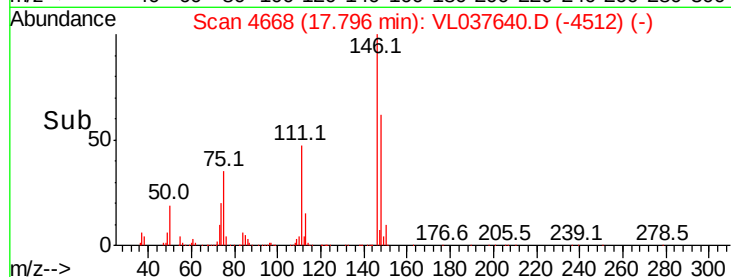
148 65.3 32.8 98.3



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: 18.841 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

Lab File: VL037640.D

Acq: 17 Sep 2021 13:45

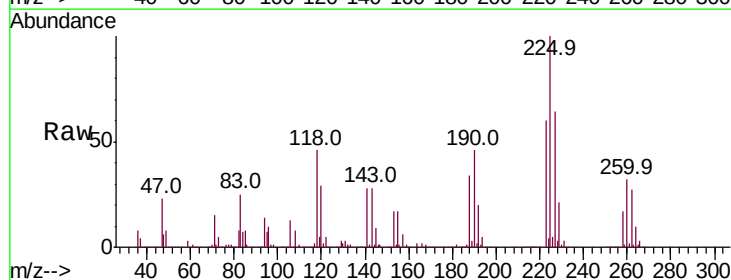
Tgt Ion:225 Resp: 2205287

Ion Ratio Lower Upper

225 100

223 63.7 51.1 76.7

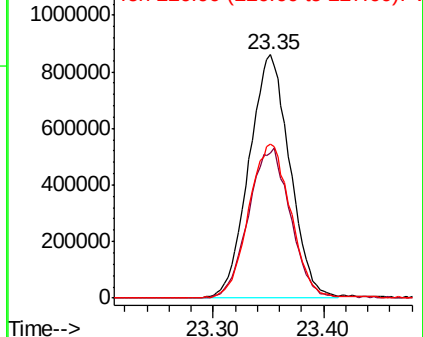
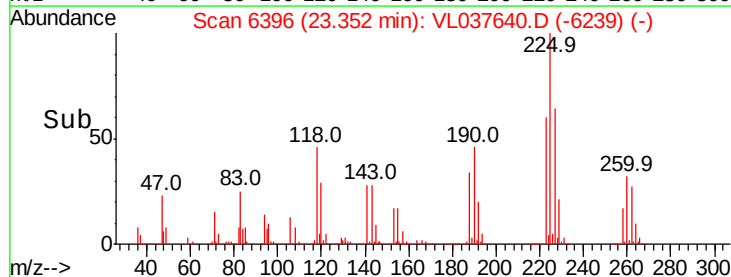
227 65.8 52.2 78.4

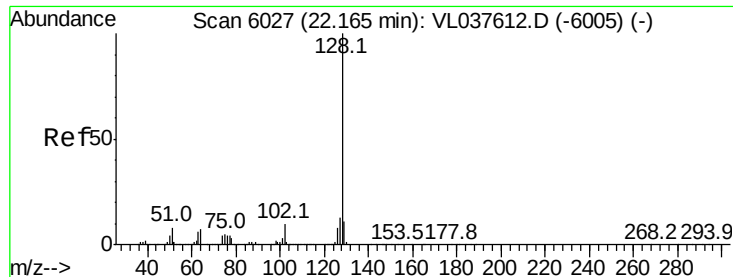


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

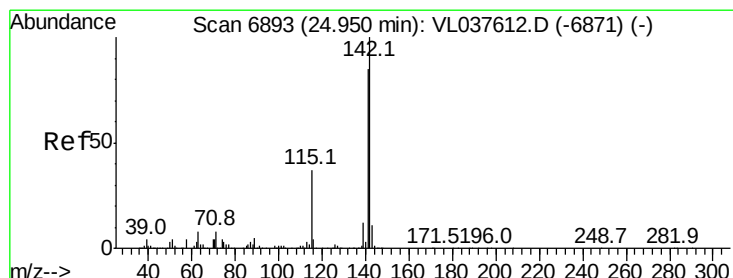
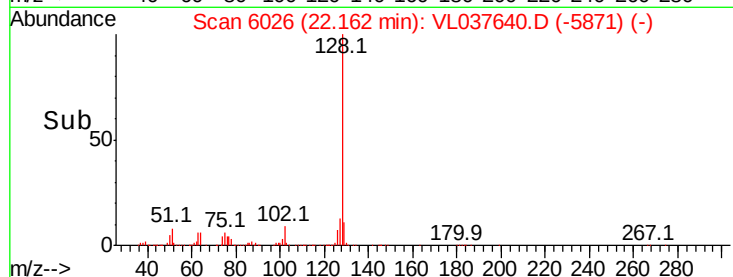
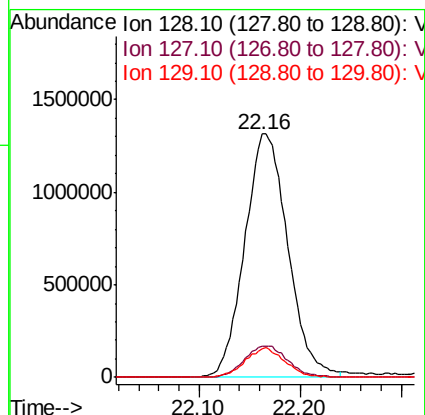
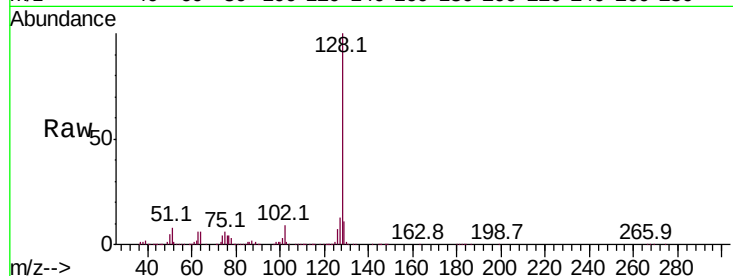




#79
Naphthalene
Concen: 26.971 ppbv
RT: 22.16 min Scan# 6026
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

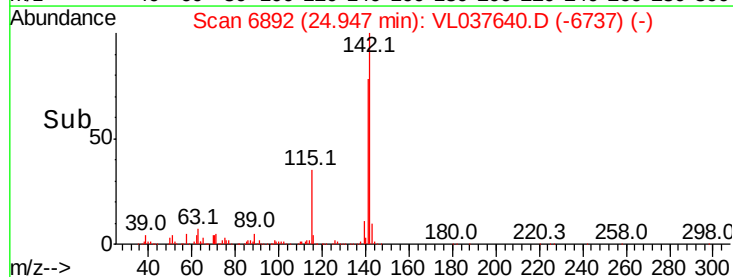
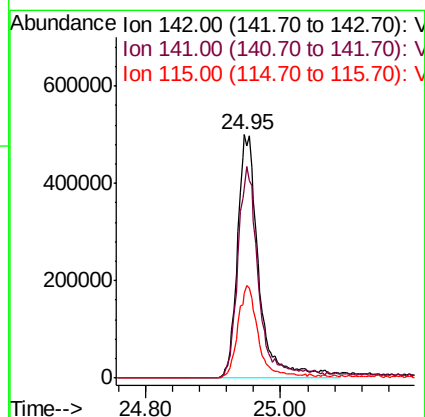
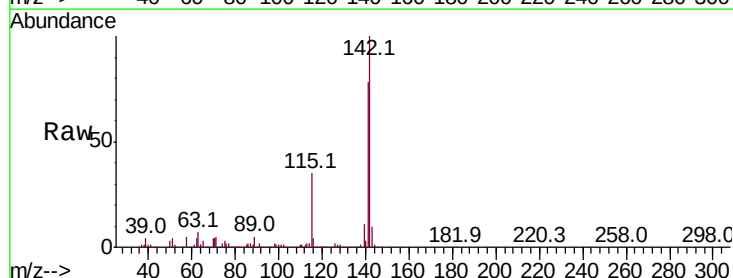
Instrument :
MSVOA_L
ClientSampleId :

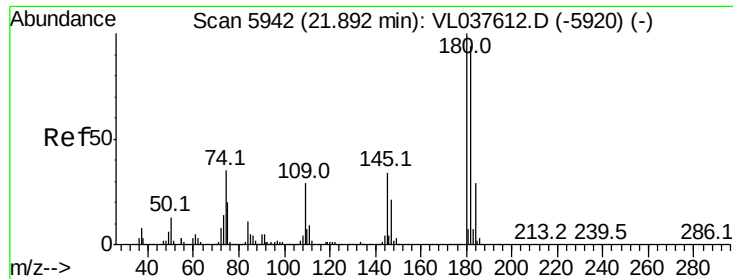
Tot Ion:128 Resp: 3908211
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 11.5 8.6 12.8



#80
Naphthalene, 2-methyl-
Concen: 33.381 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.00 min
Lab File: VL037640.D
Acq: 17 Sep 2021 13:45

Tgt Ion:142 Resp: 1105593
Ion Ratio Lower Upper
142 100
141 86.6 70.9 106.3
115 37.0 29.6 44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 24.156 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. 0.00 min
 Lab File: VL037640.D
 Acq: 17 Sep 2021 13:45

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2247314
 Ion Ratio Lower Upper
 180 100
 182 96.5 78.9 118.3
 184 31.4 24.7 37.1

