

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
 Data File : VL037044.D
 Acq On : 24 May 2021 10:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 25 01:47:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1380898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	4077211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4866469	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2904860	7.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2382097	10.169	ppbv	100
3) Chlorodifluoromethane	2.97	51	2604827	10.296	ppbv	99
4) Chloromethane	3.12	50	896220	10.411	ppbv	94
5) Vinyl Chloride	3.24	62	979940	10.414	ppbv	99
6) Bromomethane	3.46	94	534238	10.774	ppbv	100
7) Chloroethane	3.54	64	350264	11.464	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2440751	11.097	ppbv	99
9) Propene	2.99	41	902010	9.957	ppbv	99
10) Heptane	8.10	43	2246826	9.952	ppbv	99
11) Trichlorofluoromethane	3.93	101	2452542	11.311	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1704756	11.038	ppbv	98
13) Ethanol	3.59	45	48585	4.020	ppbv #	26
14) Bromoethene	3.72	108	757931	11.141	ppbv	99
15) Acetone	3.83	43	1265842	8.950	ppbv	97
16) 1,3-Butadiene	3.31	39	938096	10.675	ppbv	100
17) tert-Butyl alcohol	4.27	59	1339989	10.343	ppbv	98
18) 1,1-Dichloroethene	4.27	96	787294	11.023	ppbv	96
19) Isopropyl Alcohol	3.95	45	737939	9.706	ppbv #	33
20) Methylene Chloride	4.32	84	678875	8.954	ppbv	97
21) Allyl Chloride	4.39	41	1128405	10.575	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	780591	11.404	ppbv	98
23) Vinyl Acetate	5.05	43	2398258	10.683	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1769825	10.952	ppbv	99
25) Ethyl Acetate	5.66	43	3437432	10.114	ppbv	99
26) Hexane	5.66	57	1702886	9.808	ppbv	99
27) Carbon Disulfide	4.53	76	1839081	10.510	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2117927	10.176	ppbv	100
29) Chloroform	5.73	83	2618372	10.674	ppbv	97
30) Cyclohexane	7.11	84	1478459	10.020	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1643316	10.556	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2708552	10.283	ppbv	99
34) 2-Butanone	5.22	43	1631196	10.987	ppbv	99
35) Carbon Tetrachloride	7.00	117	2833148	10.458	ppbv	99
36) Benzene	6.87	78	3519480	10.021	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1948755	11.192	ppbv	99
38) Trichloroethene	7.81	130	1452006	9.665	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1335118	9.869	ppbv	97
40) 1,4-Dioxane	7.81	88	312307	9.777	ppbv #	100
41) Tetrahydrofuran	6.03	42	813837	9.625	ppbv	96
42) Bromodichloromethane	7.77	83	2831894	10.751	ppbv	100
43) Methyl Methacrylate	8.00	69	1282751	10.597	ppbv	99

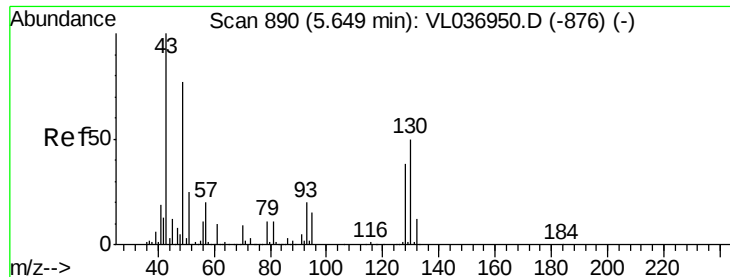
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5765552	9.569	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1029450	11.132	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1327139	10.670	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1468471	10.371	ppbv	97
48) Dibromochloromethane	10.28	129	2581218	11.259	ppbv	100
49) Bromoform	13.02	173	2167350	11.447	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2532778	10.339	ppbv	100
51) 2-Hexanone	10.11	43	1355121	10.463	ppbv #	97
52) Tetrachloroethene	11.19	164	1427373	10.221	ppbv	95
53) Toluene	9.78	91	4186899	10.019	ppbv	99
54) 1,2-Dibromoethane	10.58	107	2169814	10.779	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1743040	8.512	ppbv #	56
57) Chlorobenzene	12.12	112	3089644	8.188	ppbv	99
58) Ethyl Benzene	12.69	91	5571269	8.111	ppbv	99
59) m/p-Xylene	12.97	91	4930585	8.684	ppbv #	41
60) o-Xylene	13.67	91	4398149	8.123	ppbv	99
61) Styrene	13.50	104	2586724	8.480	ppbv	98
62) Isopropylbenzene	14.64	105	6205770	7.974	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3021318	7.471	ppbv	99
64) n-propylbenzene	15.54	120	1702530	8.479	ppbv	100
65) tert-Butylbenzene	16.72	119	5669586	8.074	ppbv	99
66) Benzyl Chloride	16.97	91	295262	7.578	ppbv	98
67) sec-Butylbenzene	17.27	105	7675377	8.012	ppbv	100
69) p-Isopropyltoluene	17.63	119	6761398	8.209	ppbv	99
70) n-Butylbenzene	18.53	91	6588218	8.420	ppbv	100
71) 2-Chlorotoluene	15.43	91	4606236	8.195	ppbv	99
72) 4-Ethyltoluene	15.82	105	5399088	8.401	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4995161	8.277	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5193607	8.323	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	3174276	8.330	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	3146912	8.168	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3183285	8.337	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	2271655	7.399	ppbv	99
79) Naphthalene	22.17	128	4557872	9.309	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1005067	9.440	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2632902	8.821	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :

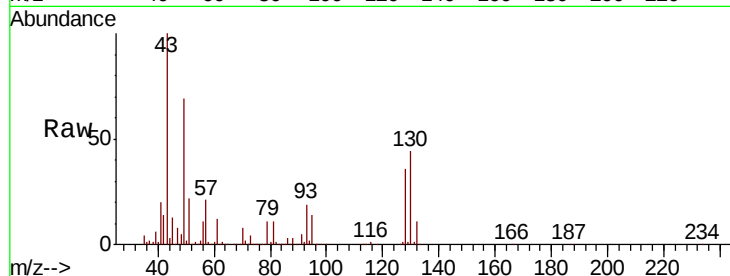
Tot Ion: 49 Resp: 1380898

Ion Ratio Lower Upper

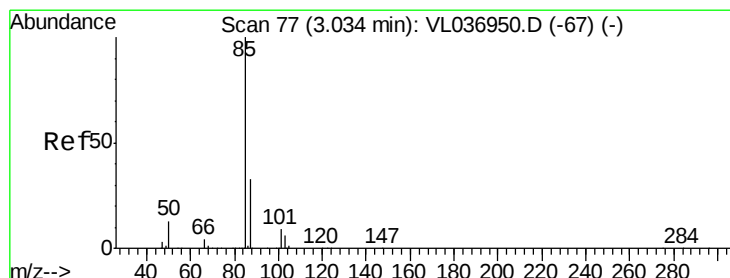
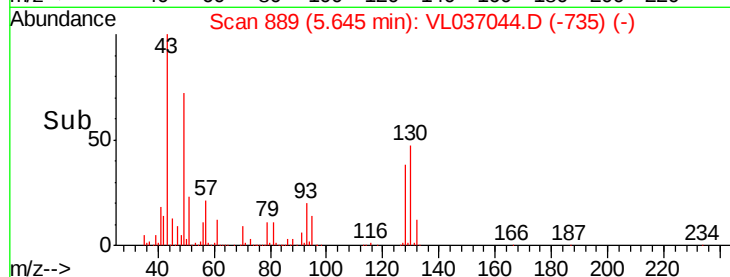
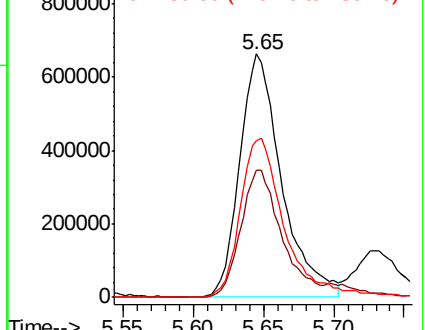
49 100

128 57.1 26.9 80.7

130 69.3 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.169 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037044.D

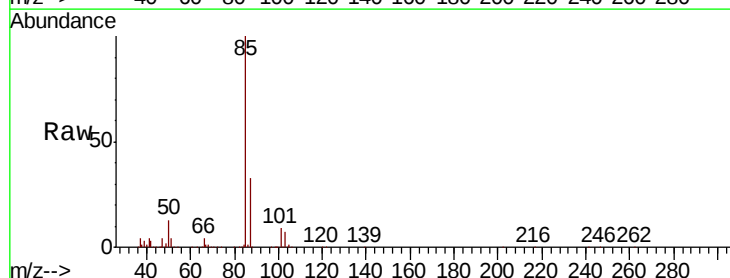
Acq: 24 May 2021 10:13

Tgt Ion: 85 Resp: 2382097

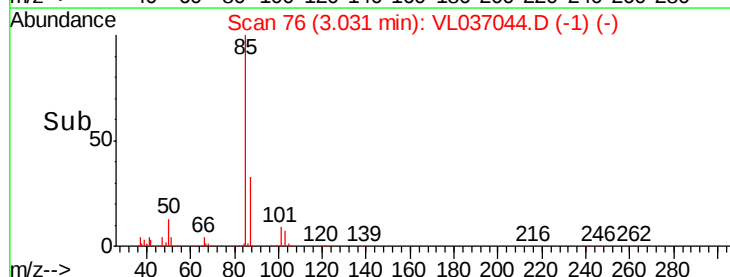
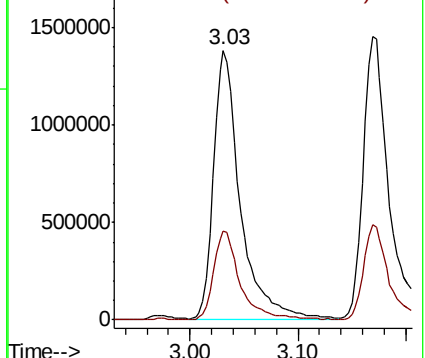
Ion Ratio Lower Upper

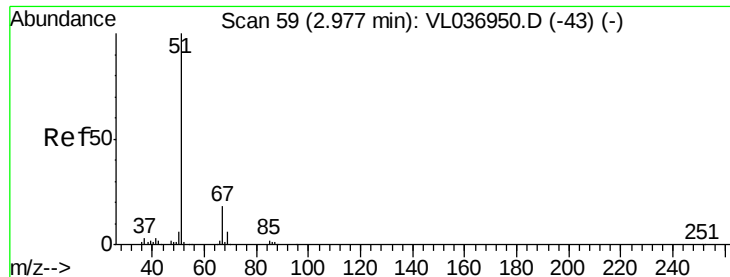
85 100

87 33.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.296 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

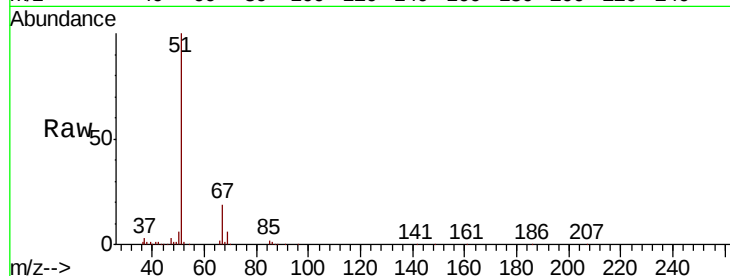
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2604827

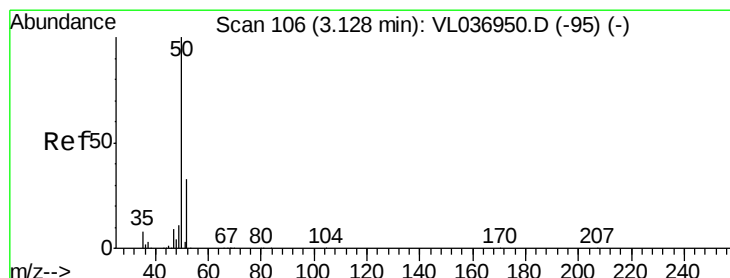
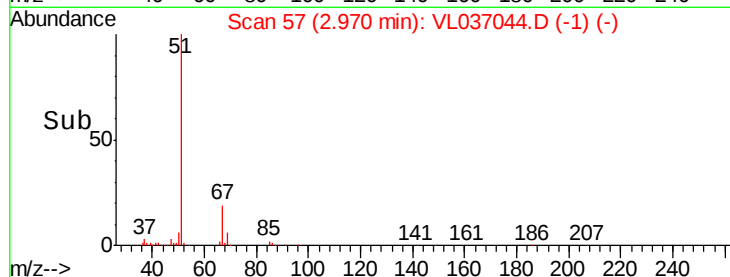
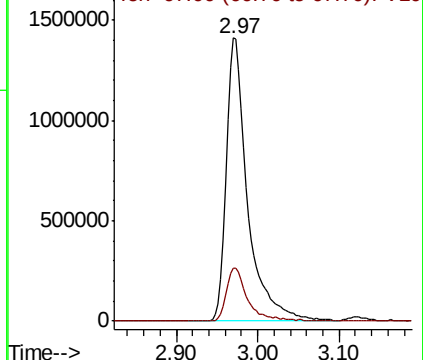
Ion Ratio Lower Upper

51 100

67 18.8 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.411 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037044.D

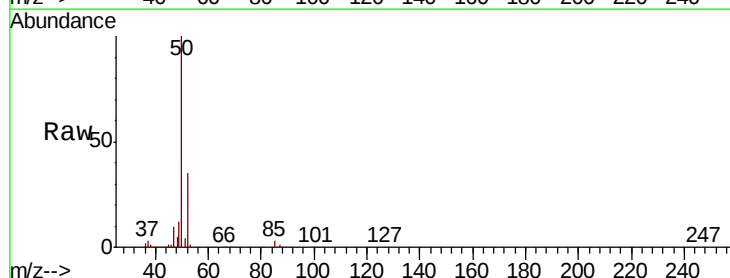
Acq: 24 May 2021 10:13

Tgt Ion: 50 Resp: 896220

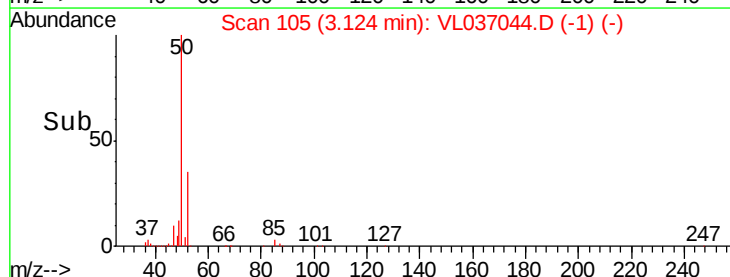
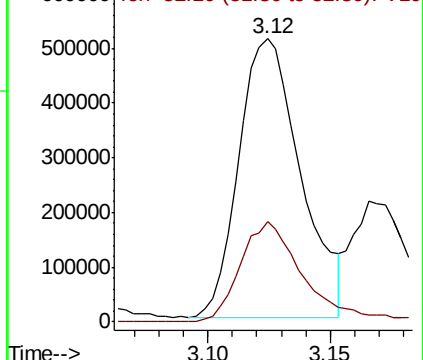
Ion Ratio Lower Upper

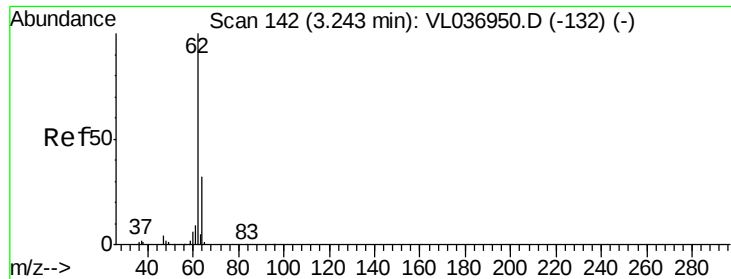
50 100

52 35.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.414 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

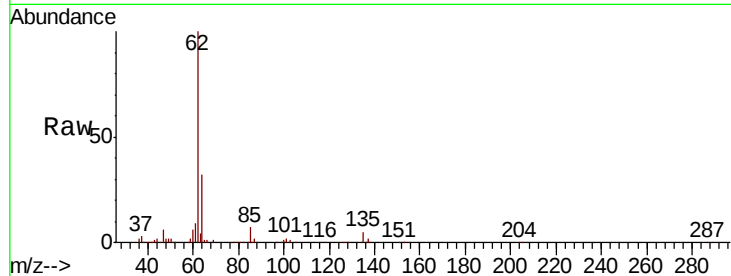
ClientSampleId :

Tot Ion: 62 Resp: 979940

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

500000

400000

300000

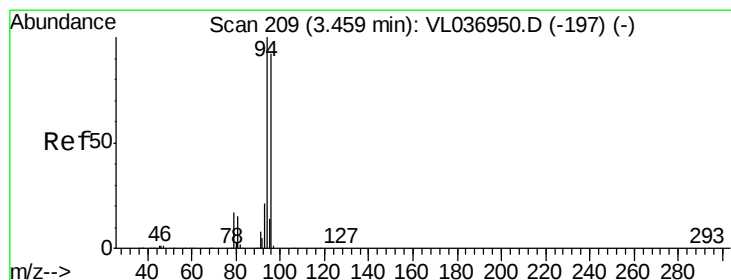
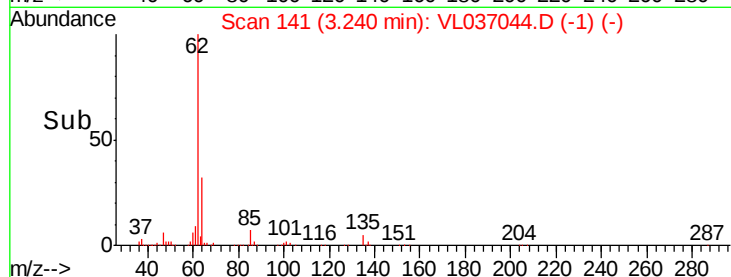
200000

100000

0

Time-->

3.20 3.30



#6

Bromomethane

Concen: 10.774 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037044.D

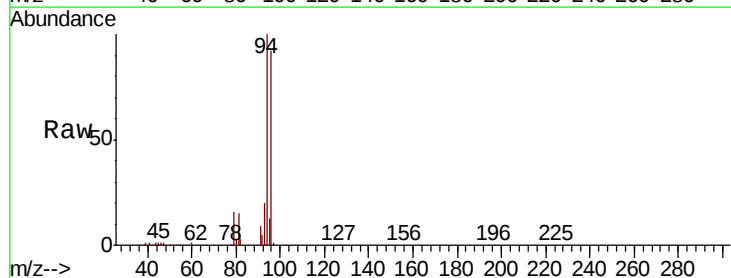
Acq: 24 May 2021 10:13

Tgt Ion: 94 Resp: 534238

Ion Ratio Lower Upper

94 100

96 92.2 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

300000

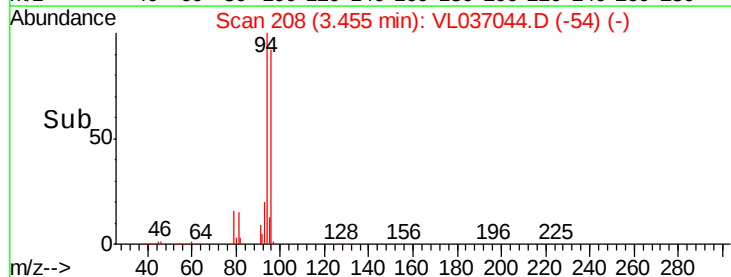
200000

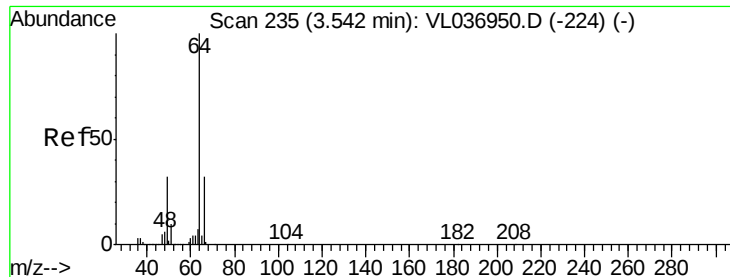
100000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 11.464 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

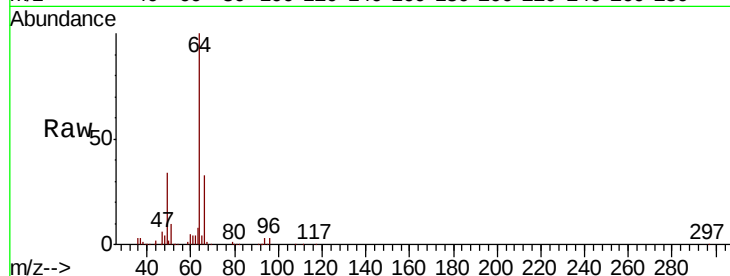
ClientSampleId :

Tot Ion: 64 Resp: 350264

Ion Ratio Lower Upper

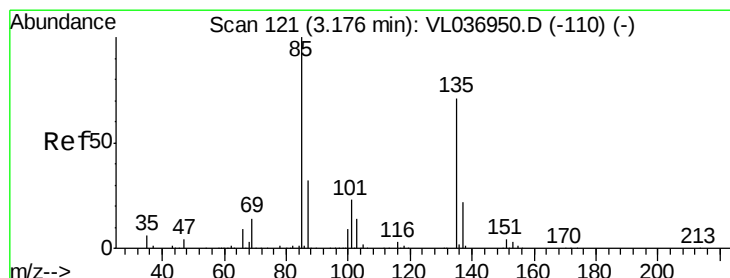
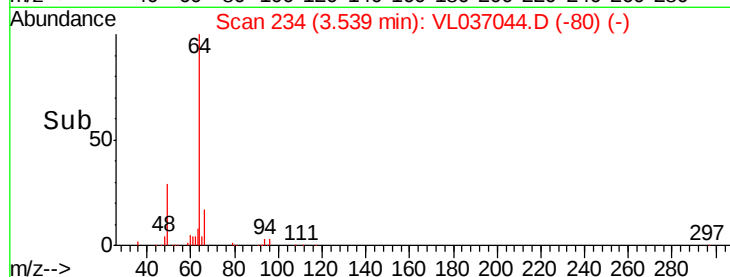
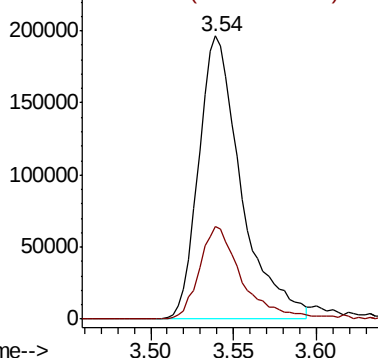
64 100

66 32.6 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.097 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037044.D

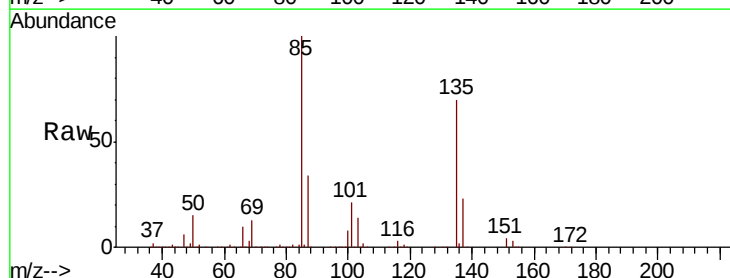
Acq: 24 May 2021 10:13

Tgt Ion: 85 Resp: 2440751

Ion Ratio Lower Upper

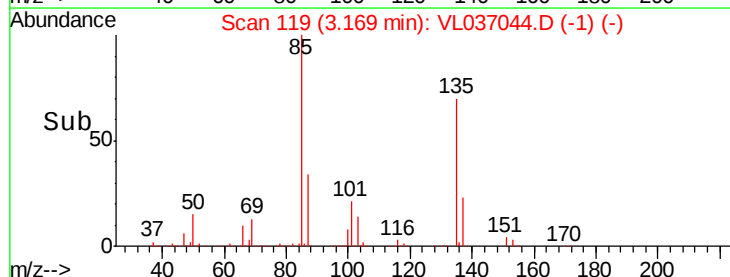
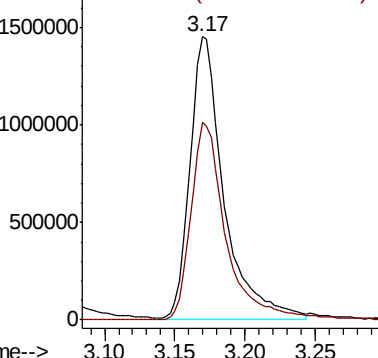
85 100

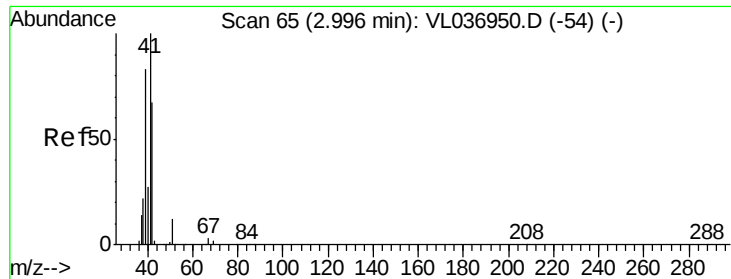
135 72.7 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.957 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

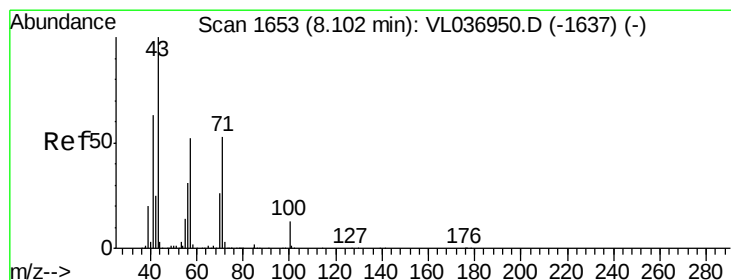
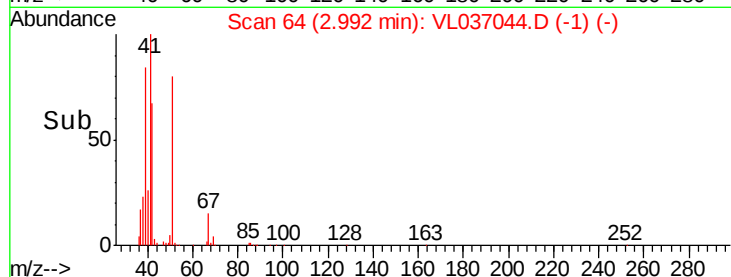
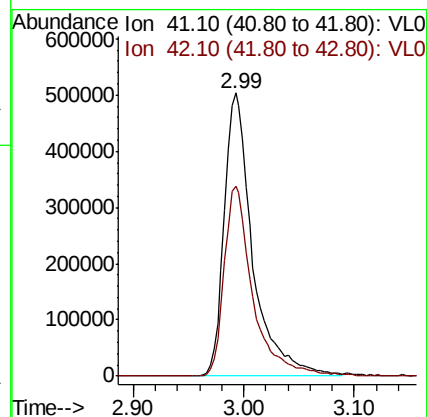
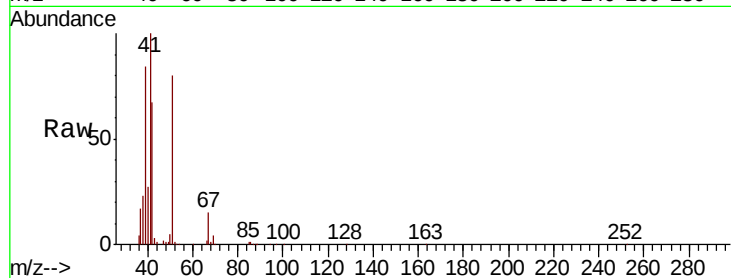
ClientSampleId :

Tot Ion: 41 Resp: 902010

Ion Ratio Lower Upper

41 100

42 68.0 53.9 80.9



#10

Heptane

Concen: 9.952 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL037044.D

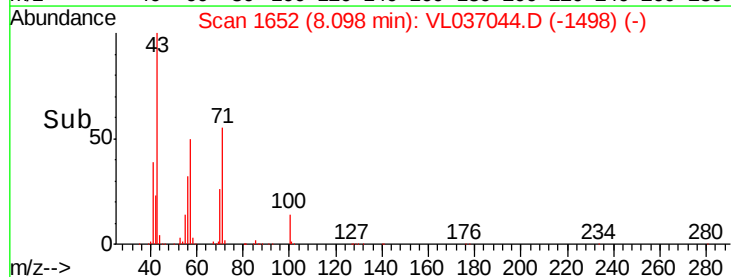
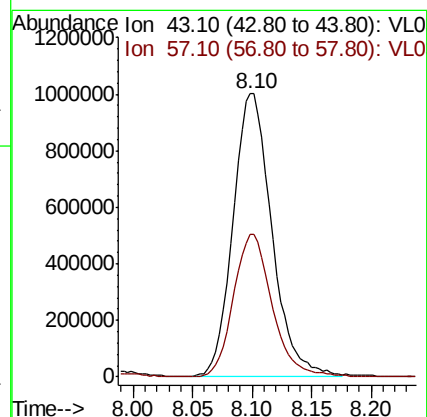
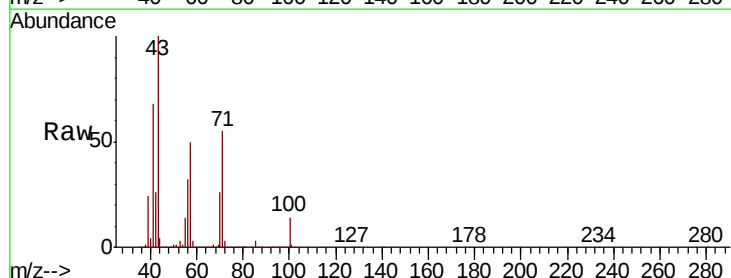
Acq: 24 May 2021 10:13

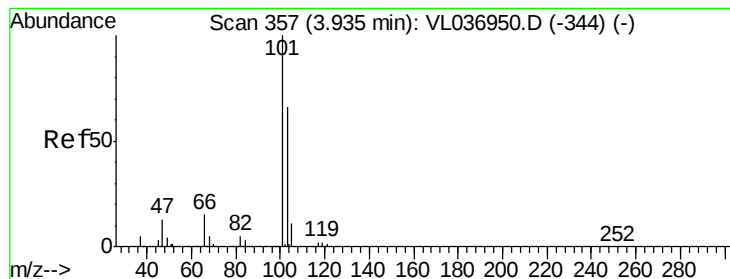
Tgt Ion: 43 Resp: 2246826

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6





#11

Trichlorofluoromethane

Concen: 11.311 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

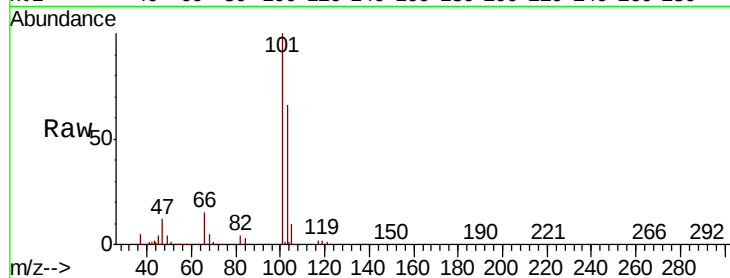
Instrument :
MSVOA_L
ClientSampled :

Tot Ion:101 Resp: 2452542

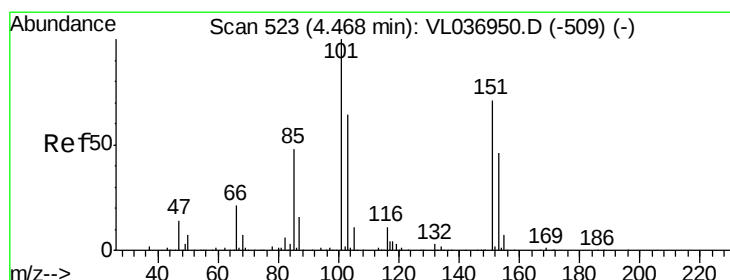
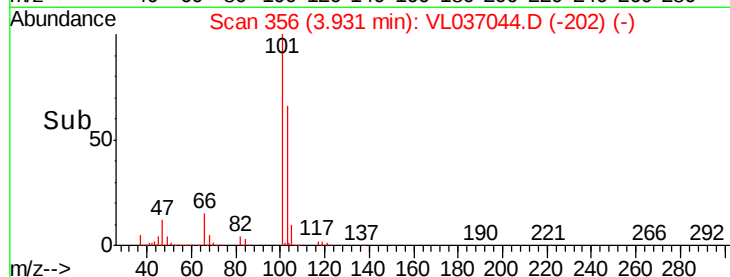
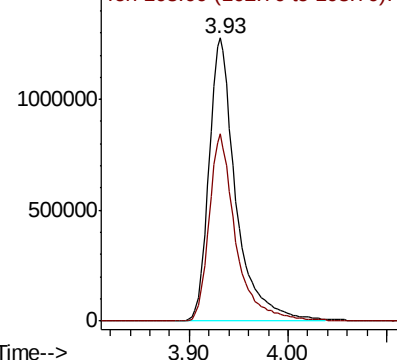
Ion Ratio Lower Upper

101 100

103 66.2 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.038 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL037044.D

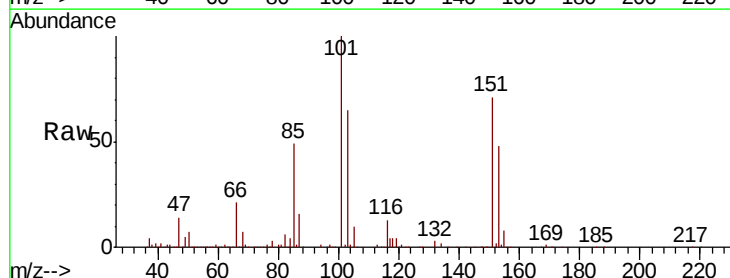
Acq: 24 May 2021 10:13

Tgt Ion:101 Resp: 1704756

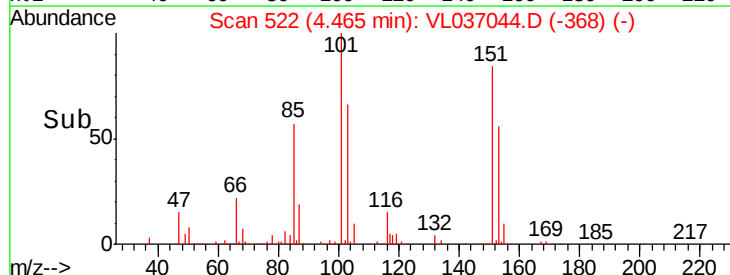
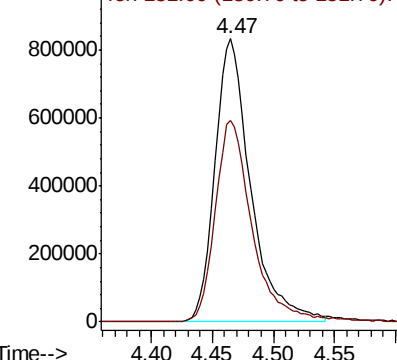
Ion Ratio Lower Upper

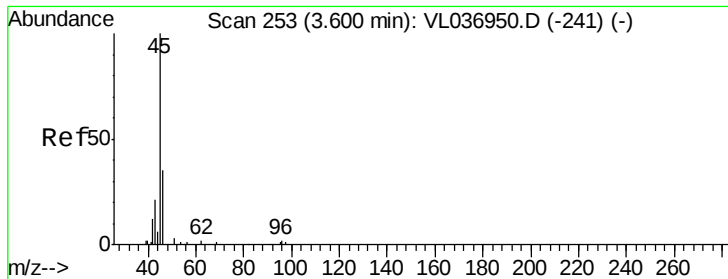
101 100

151 74.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 4.020 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

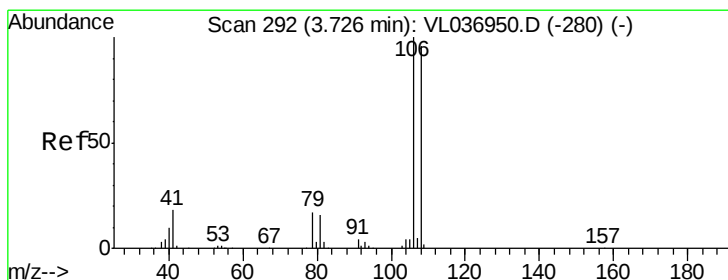
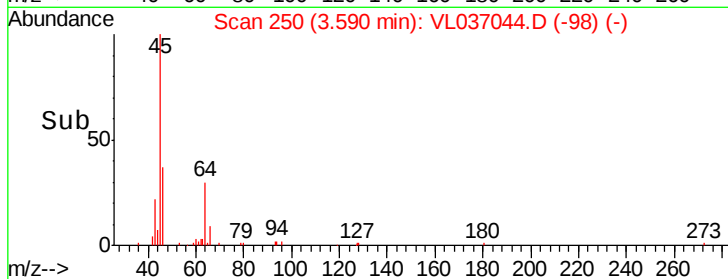
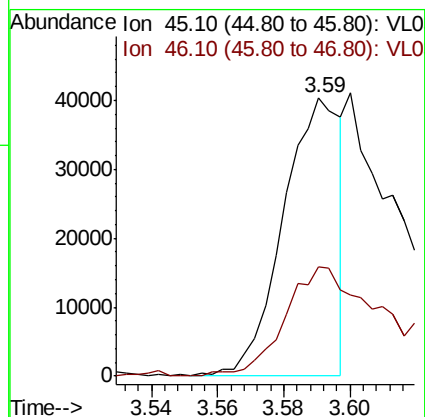
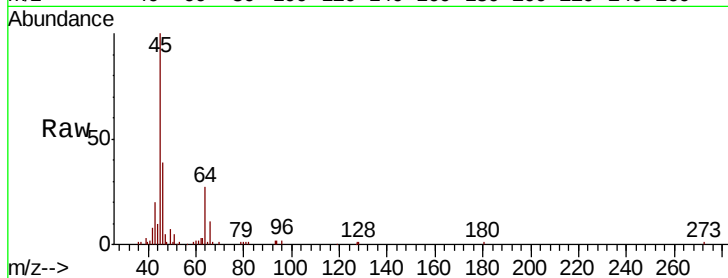
ClientSampleId :

Tot Ion: 45 Resp: 48585

Ion Ratio Lower Upper

45 100

46 86.7 16.3 65.3#



#14

Bromoethene

Concen: 11.141 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

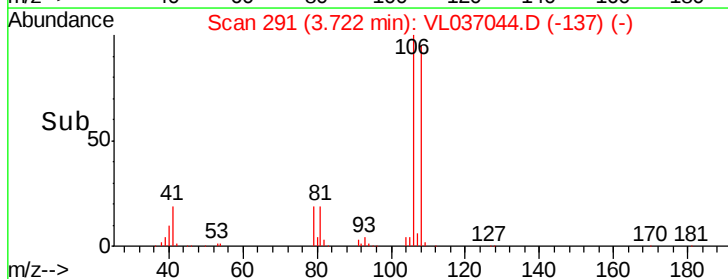
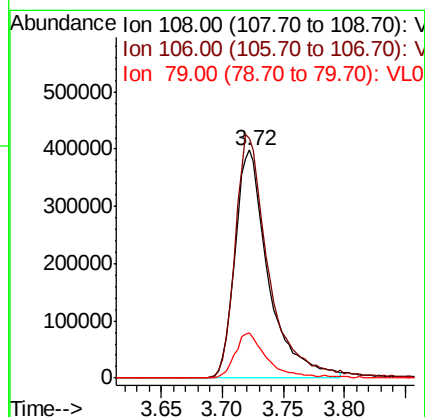
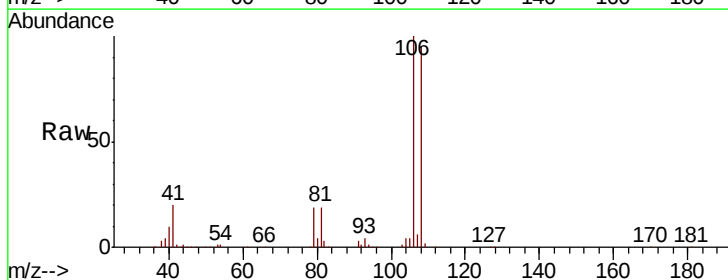
Tgt Ion: 108 Resp: 757931

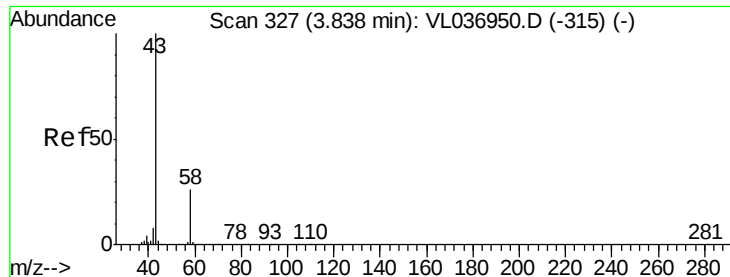
Ion Ratio Lower Upper

108 100

106 108.7 86.5 129.7

79 19.2 15.0 22.4





#15

Acetone

Concen: 8.950 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

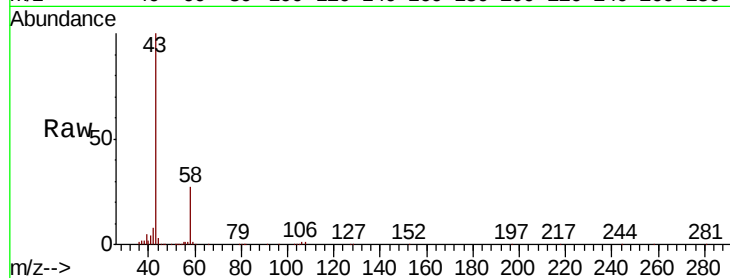
ClientSampleId :

Tot Ion: 43 Resp: 1265842

Ion Ratio Lower Upper

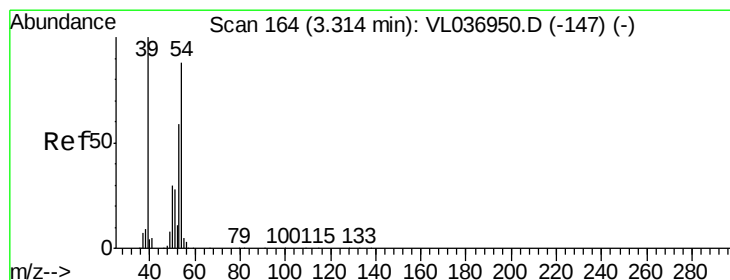
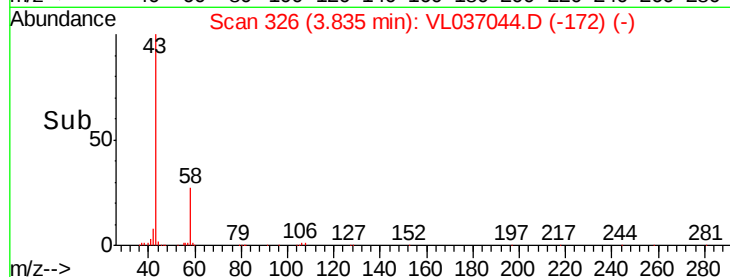
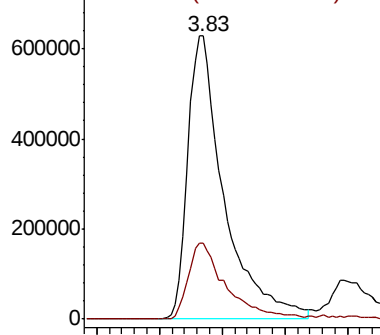
43 100

58 28.3 24.0 36.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.675 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037044.D

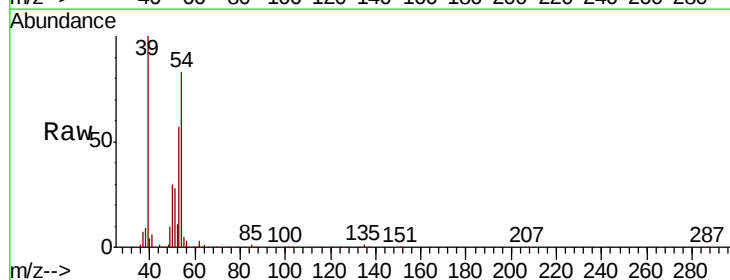
Acq: 24 May 2021 10:13

Tgt Ion: 39 Resp: 938096

Ion Ratio Lower Upper

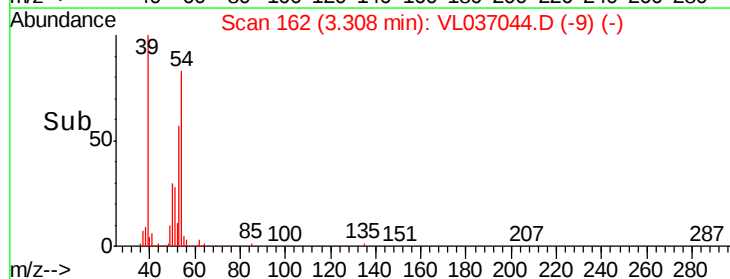
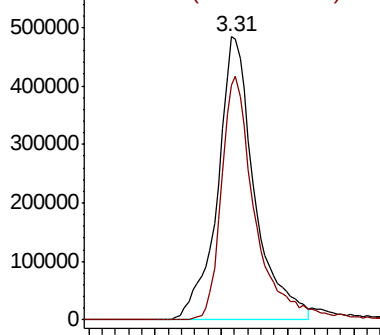
39 100

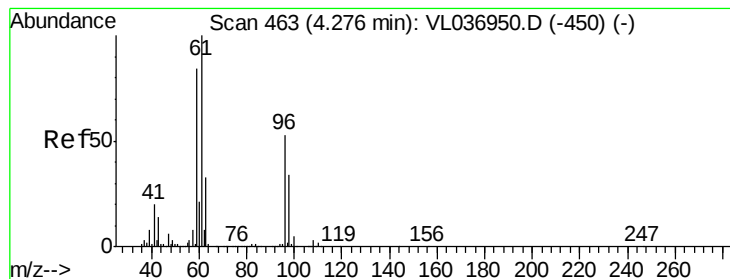
54 79.4 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





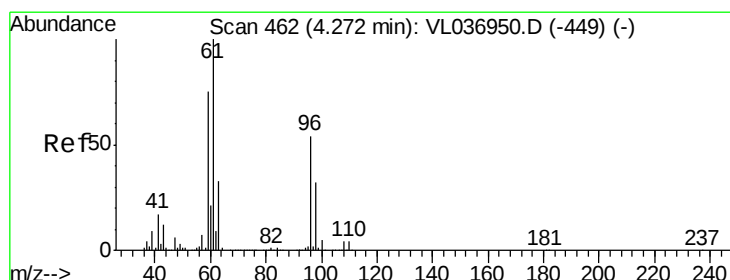
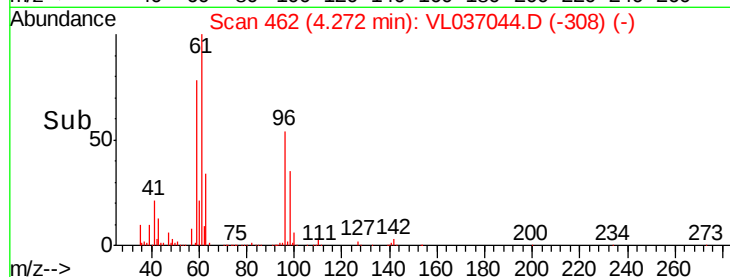
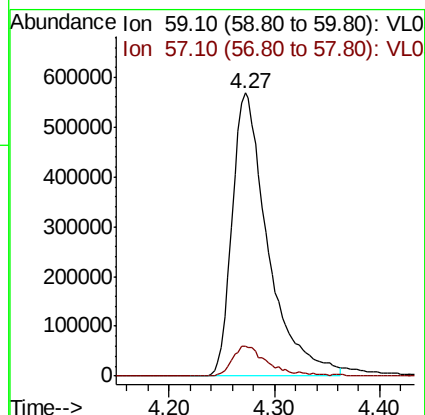
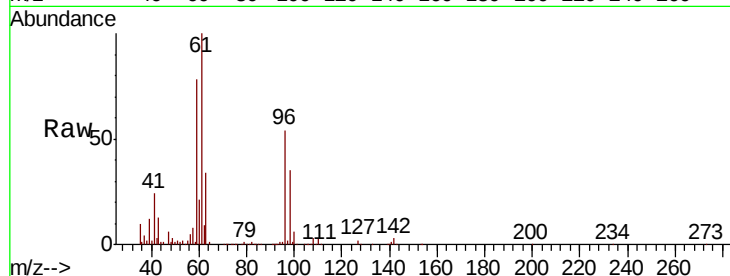
#17

tert-Butyl alcohol
Concen: 10.343 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 59 Resp: 1339989

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

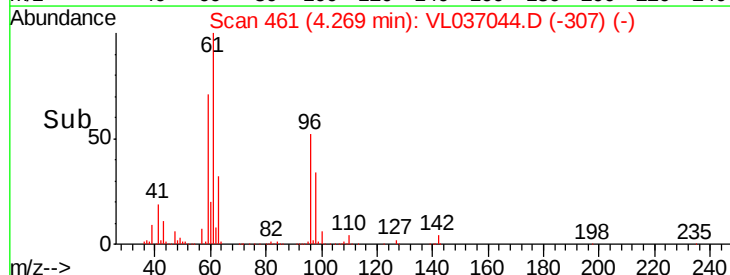
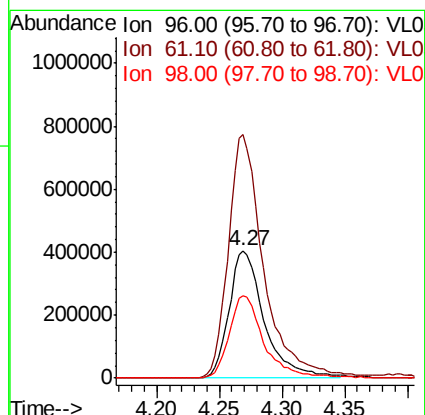
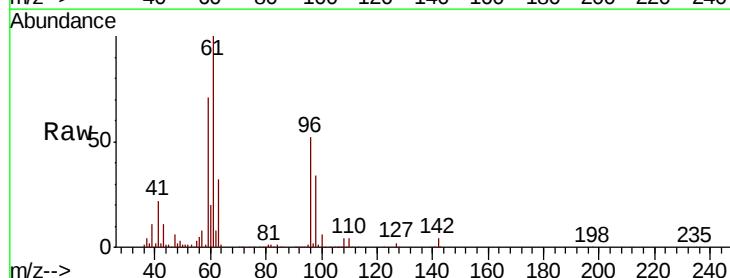


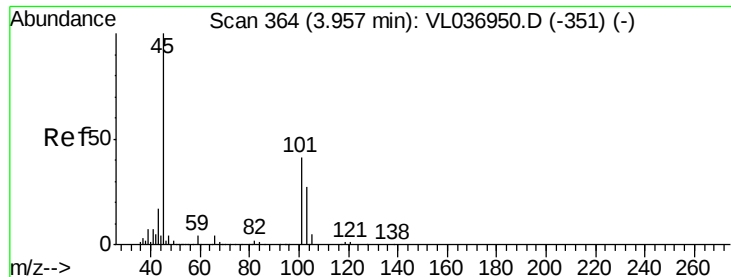
#18

1,1-Dichloroethene
Concen: 11.023 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 96 Resp: 787294

Ion	Ratio	Lower	Upper
96	100		
61	190.7	148.2	222.4
98	64.5	47.8	71.6



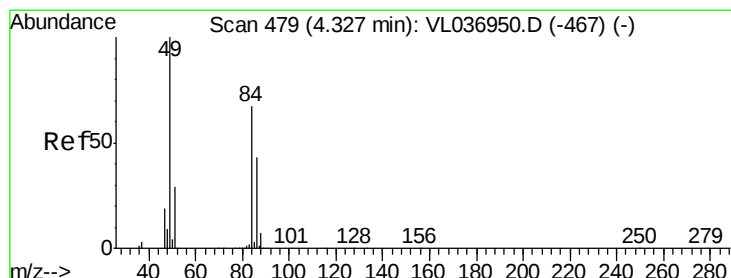
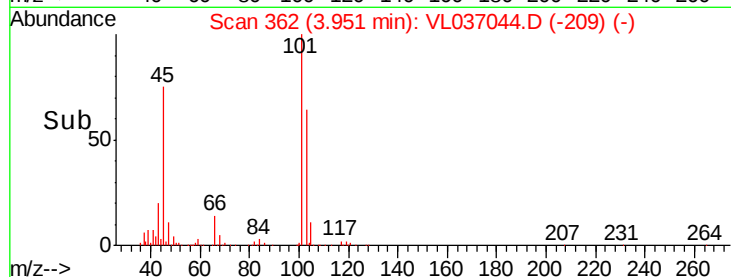
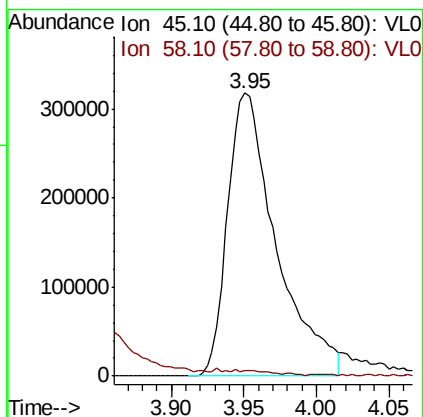
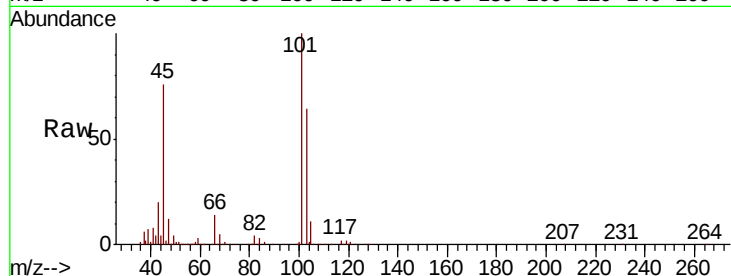


#19

Isopropyl Alcohol
 Concen: 9.706 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :

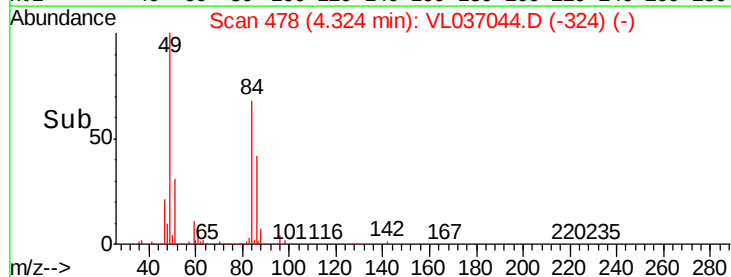
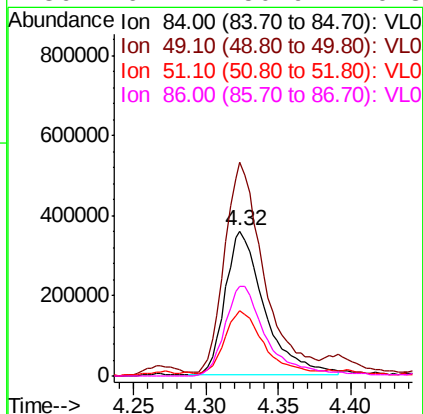
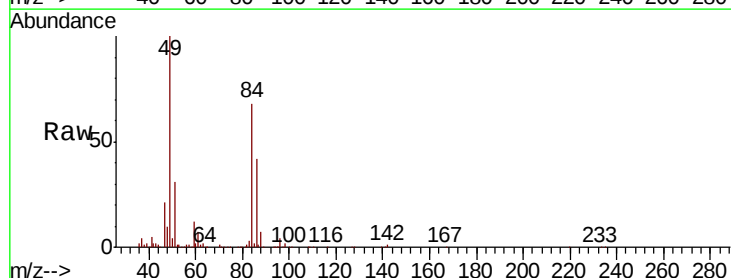
Tot Ion: 45 Resp: 737939
 Ion Ratio Lower Upper
 45 100
 58 2.0 37.2 55.8#

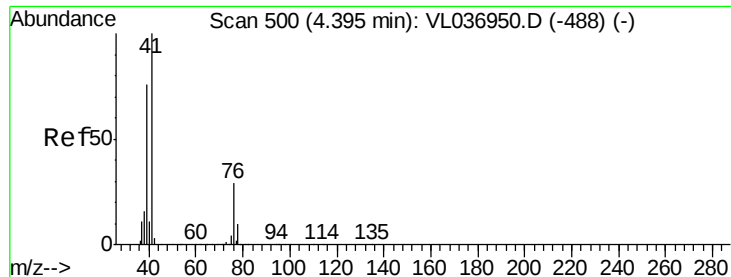


#20

Methylene Chloride
 Concen: 8.954 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 84 Resp: 678875
 Ion Ratio Lower Upper
 84 100
 49 145.5 119.8 179.6
 51 43.3 35.1 52.7
 86 62.4 50.9 76.3





#21

Allvl Chloride

Concen: 10.575 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampled :

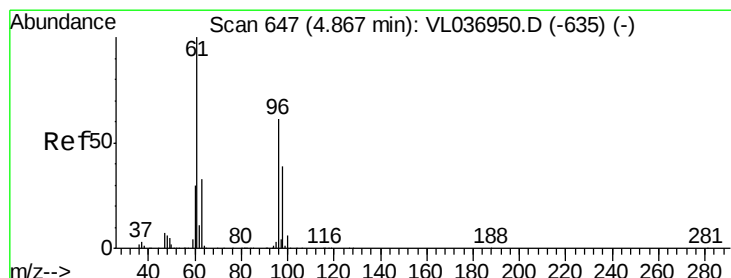
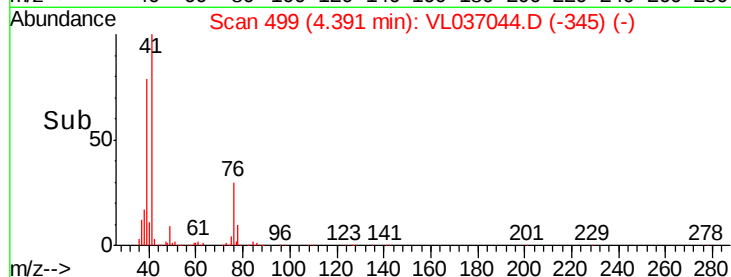
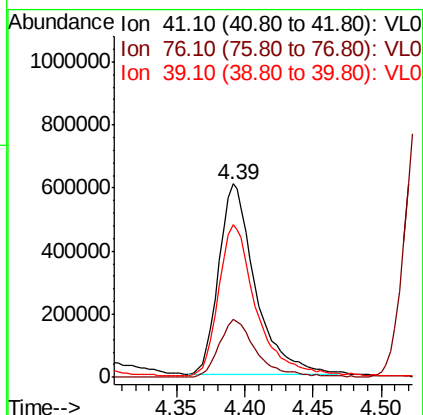
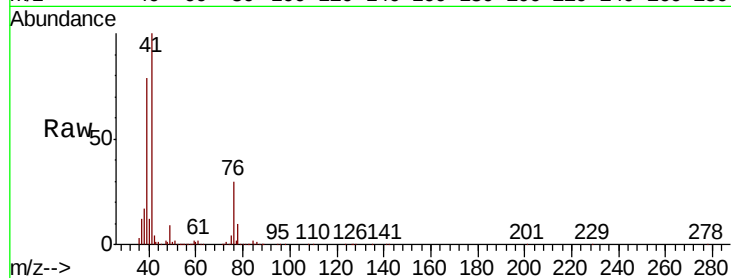
Tot Ion: 41 Resp: 1128405

Ion Ratio Lower Upper

41 100

76 31.2 24.9 37.3

39 81.9 63.7 95.5



#22

trans-1,2-Dichloroethene

Concen: 11.404 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

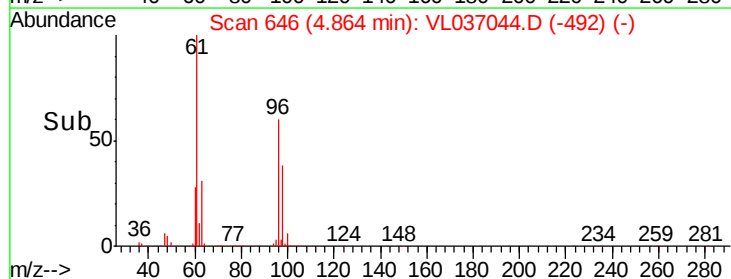
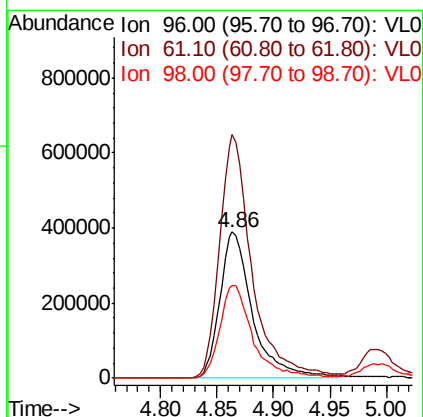
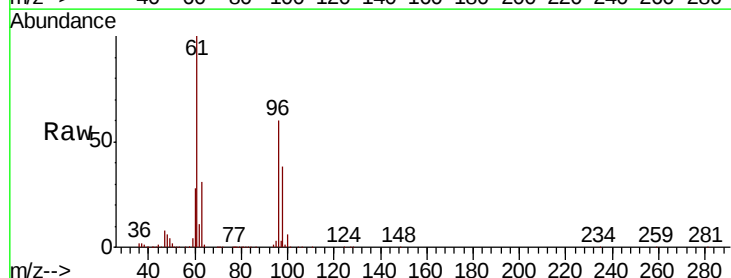
Tgt Ion: 96 Resp: 780591

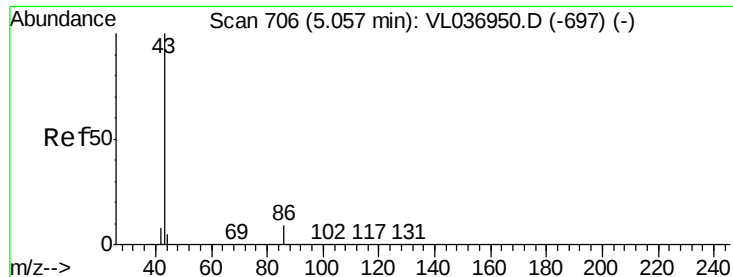
Ion Ratio Lower Upper

96 100

61 166.7 130.6 196.0

98 63.7 50.8 76.2





#23

Vinyl Acetate

Concen: 10.683 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2398258

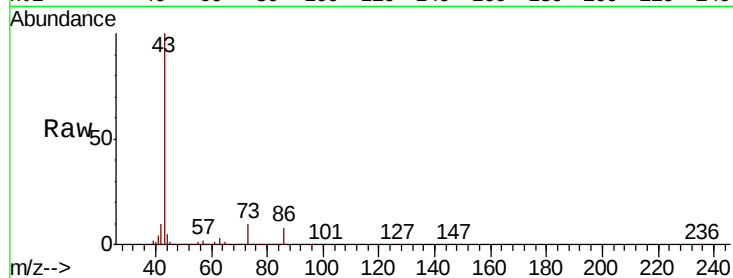
Ion Ratio Lower Upper

43 100

86 8.0 5.8 8.8

42 10.1 7.4 11.2

44 5.1 3.3 4.9#

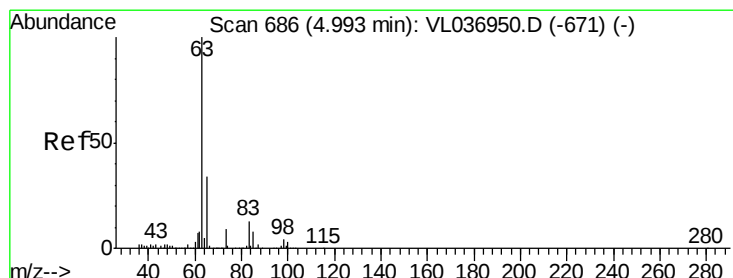
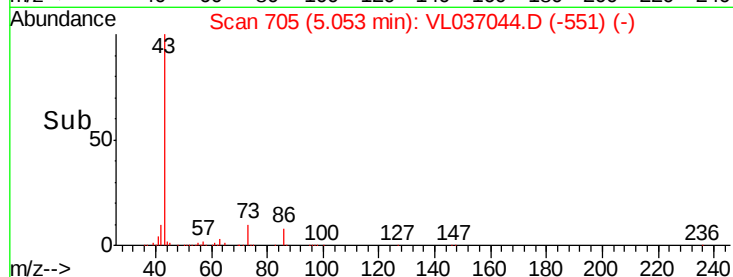
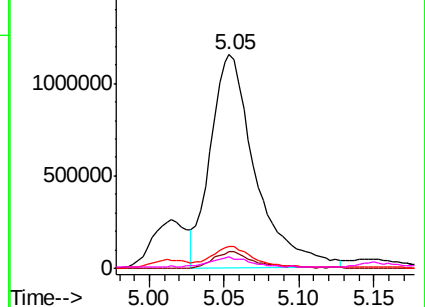


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.952 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

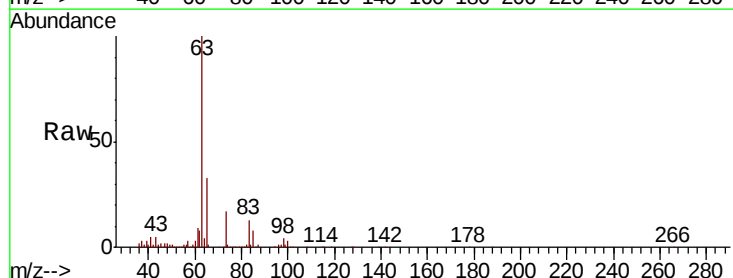
Tgt Ion: 63 Resp: 1769825

Ion Ratio Lower Upper

63 100

98 4.2 2.3 6.9

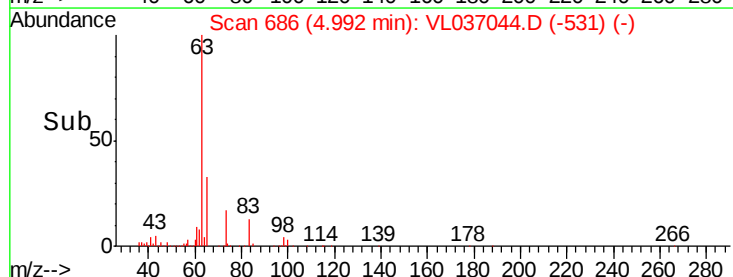
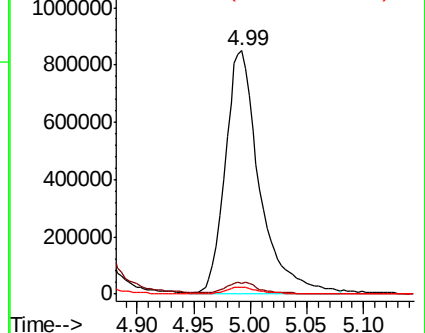
100 2.7 1.4 4.0

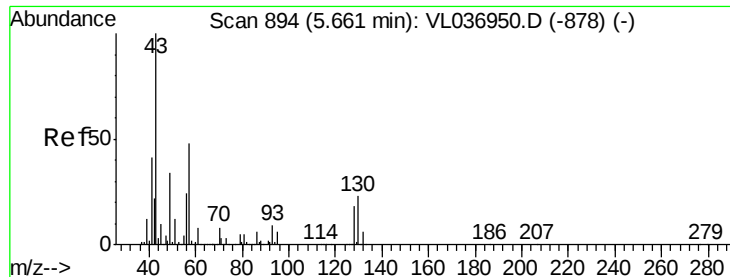


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



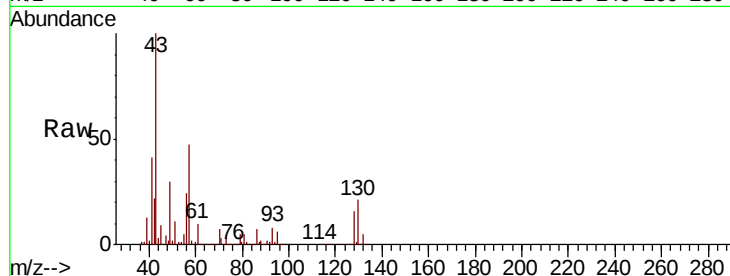


#25
Ethyl Acetate
Concen: 10.114 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3437432

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.3	7.8	11.8
70	7.0	5.6	8.4



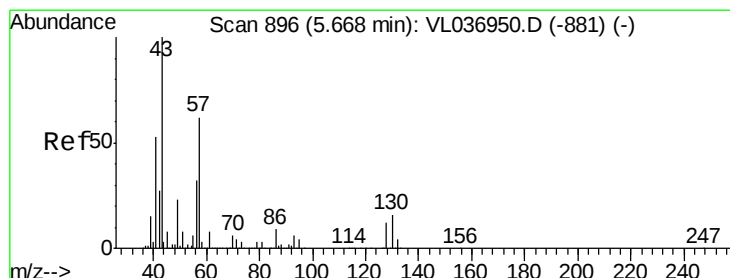
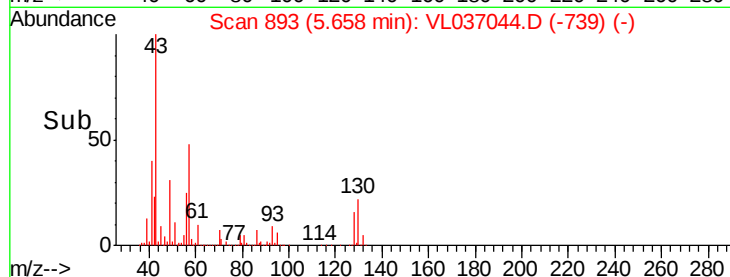
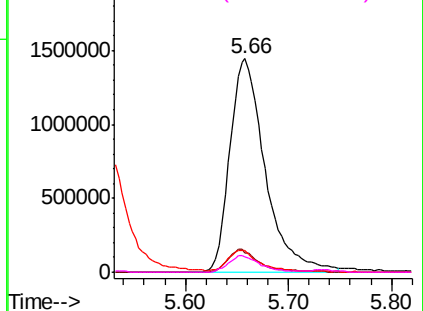
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

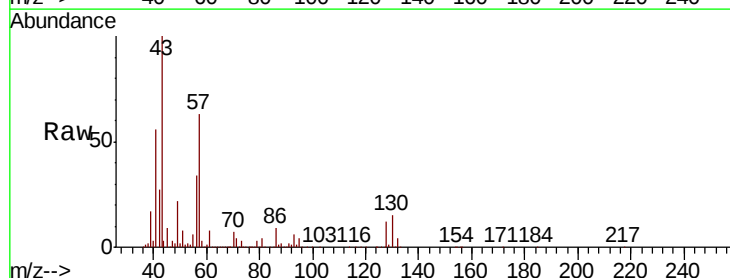
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.808 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 57 Resp: 1702886

Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.5	105.7
43	206.6	165.8	248.8
56	52.1	42.2	63.4



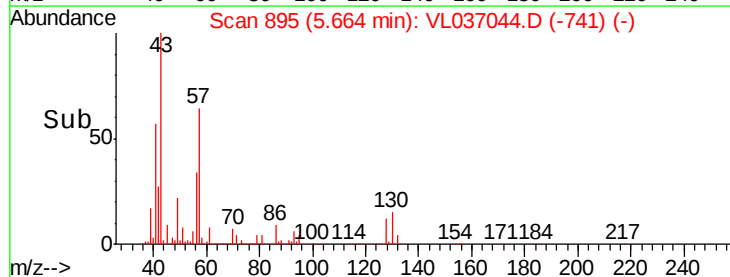
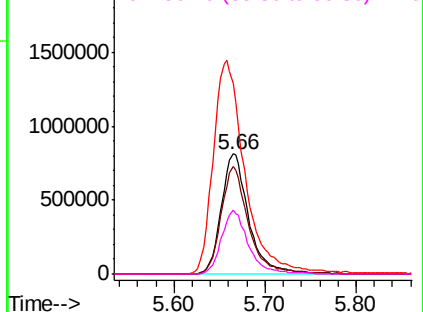
Abundance

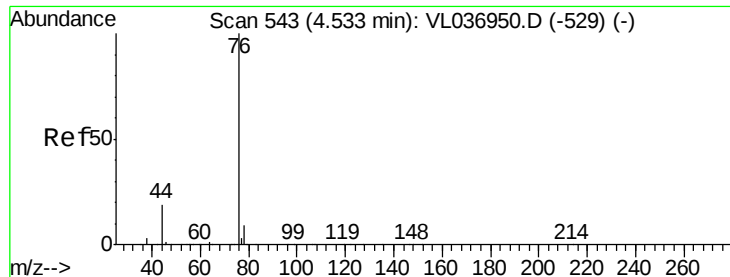
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.510 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

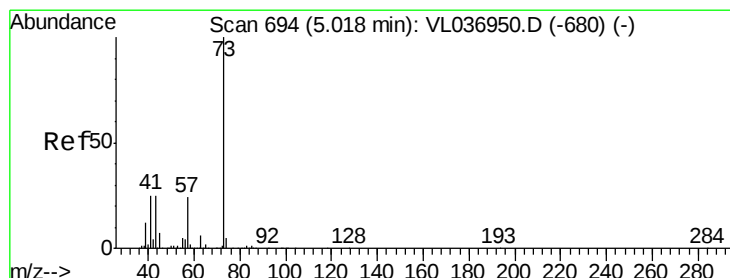
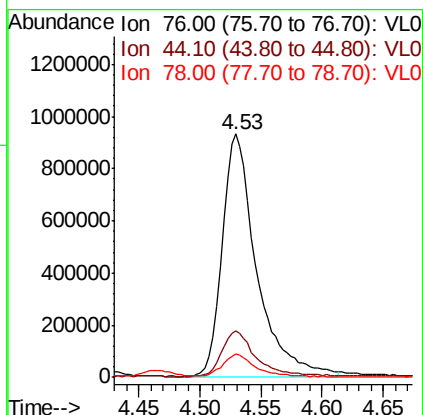
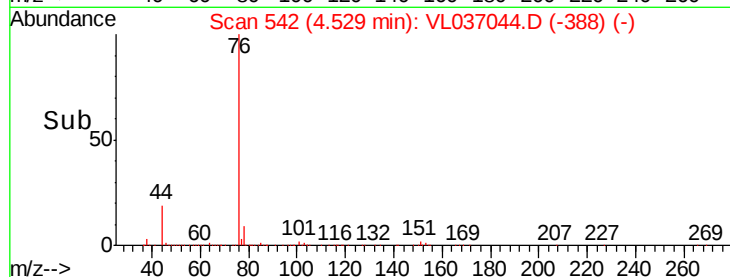
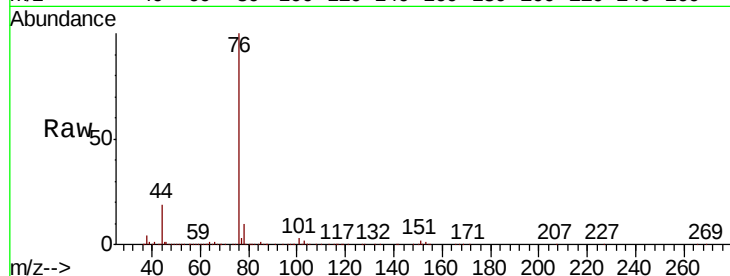
Tot Ion: 76 Resp: 1839081

Ion Ratio Lower Upper

76 100

44 19.2 15.5 23.3

78 10.2 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.176 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL037044.D

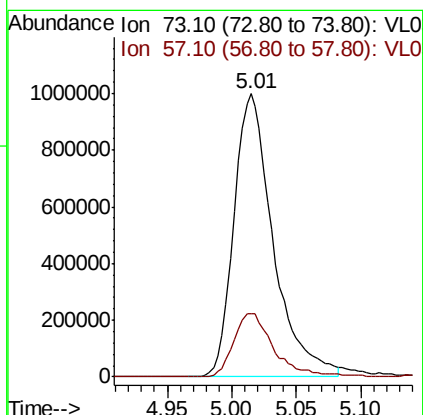
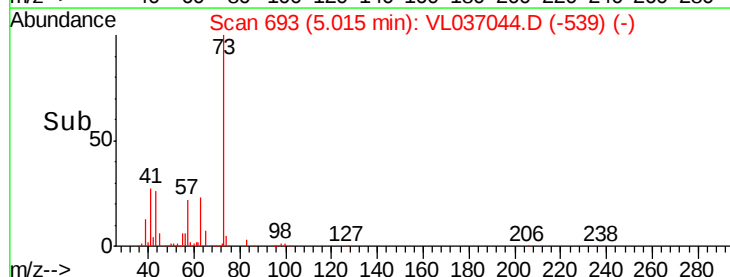
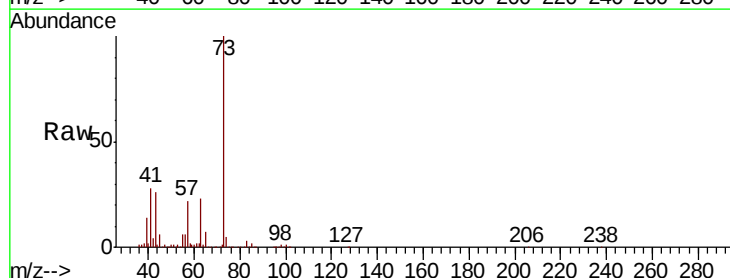
Acq: 24 May 2021 10:13

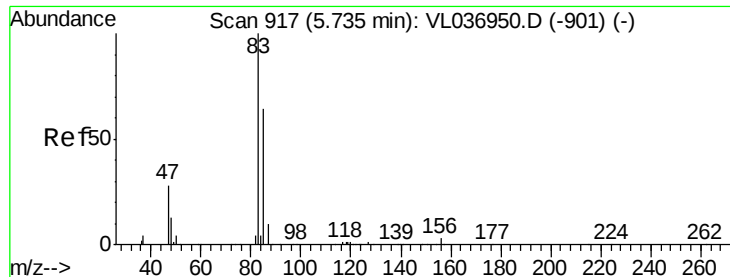
Tgt Ion: 73 Resp: 2117927

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5





#29

Chloroform

Concen: 10.674 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

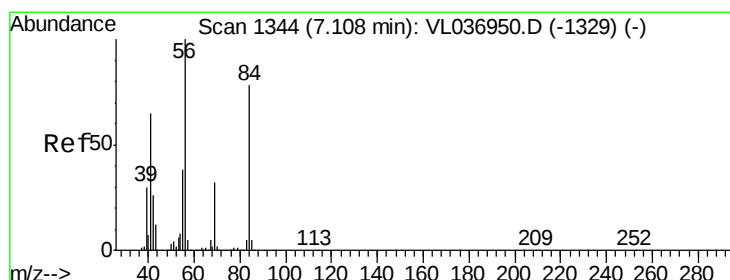
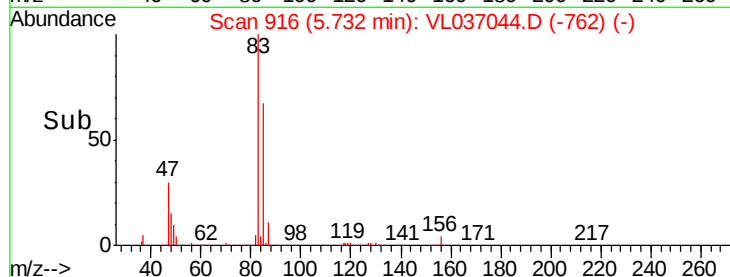
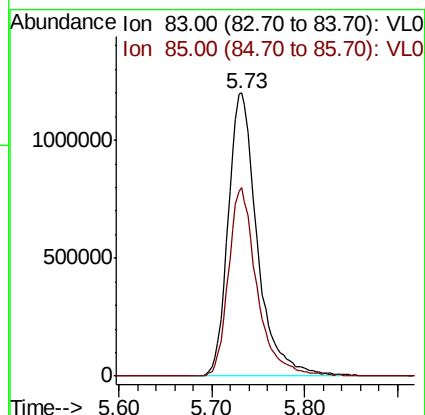
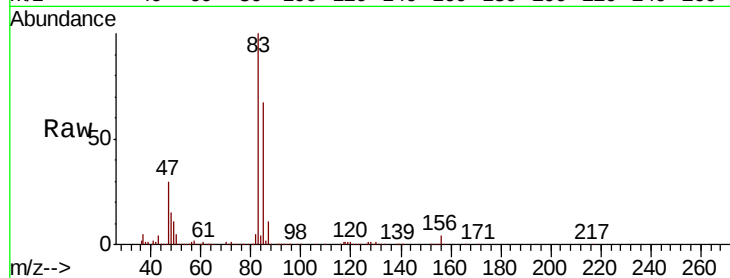
ClientSampleId :

Tot Ion: 83 Resp: 2618372

Ion Ratio Lower Upper

83 100

85 66.5 51.1 76.7



#30

Cyclohexane

Concen: 10.020 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

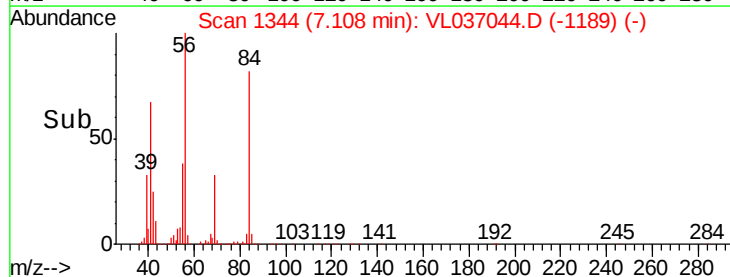
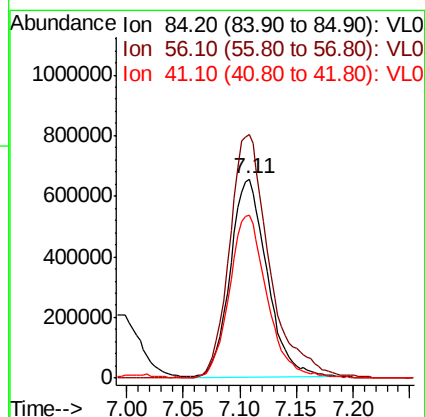
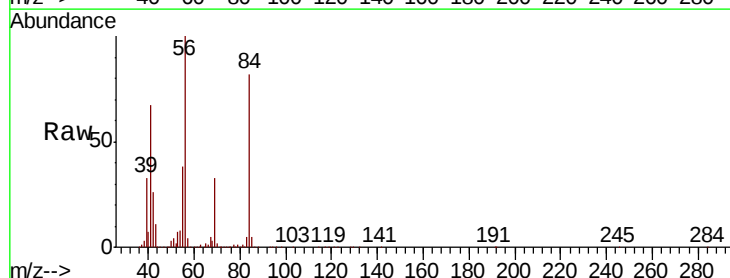
Tgt Ion: 84 Resp: 1478459

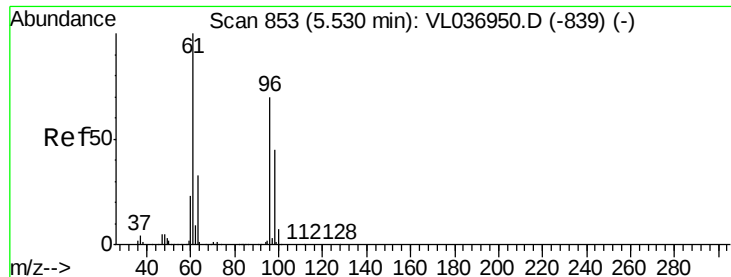
Ion Ratio Lower Upper

84 100

56 134.3 107.9 161.9

41 84.1 65.5 98.3



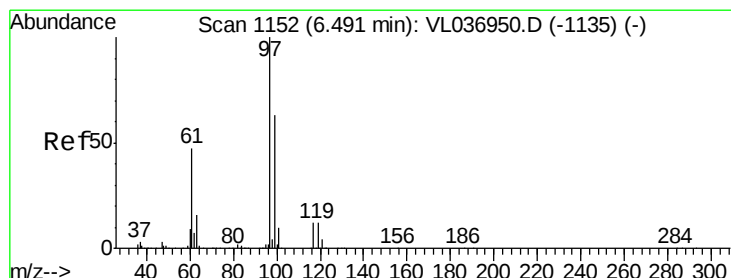
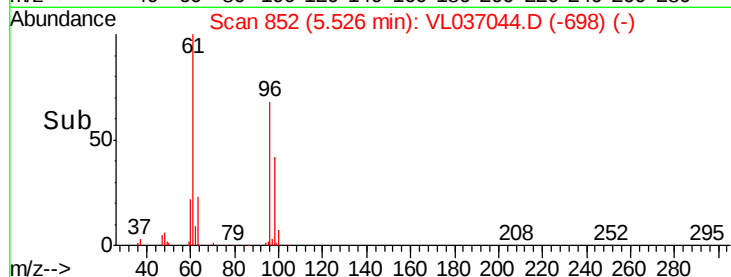
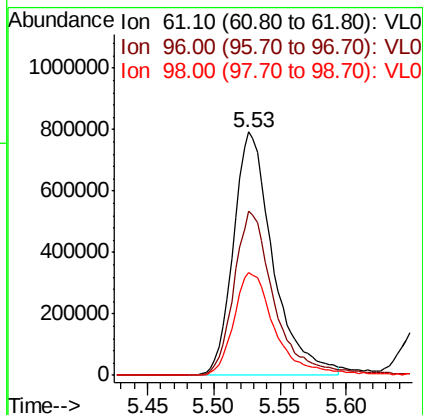
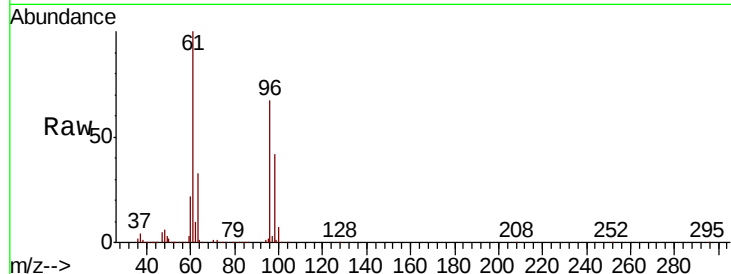


#31

cis-1,2-Dichloroethene
 Concen: 10.556 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampled :

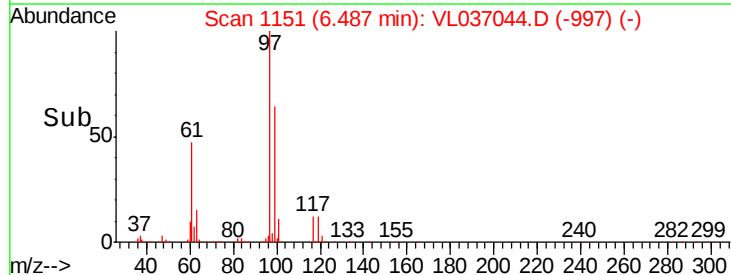
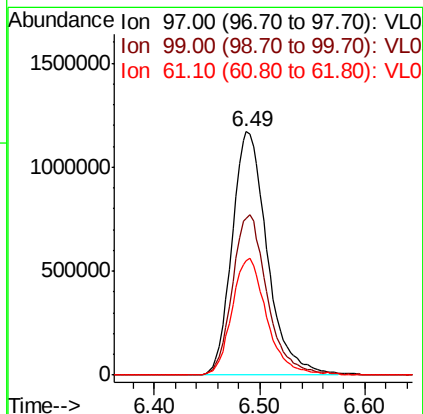
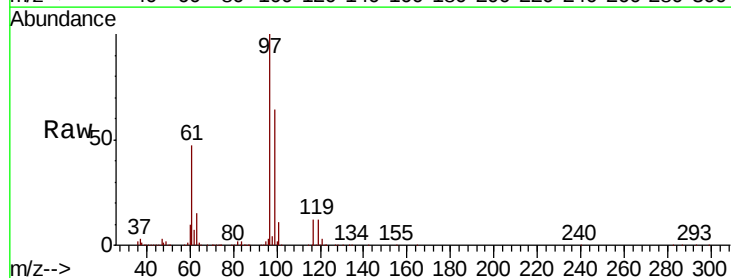
Tot Ion: 61 Resp: 1643316
 Ion Ratio Lower Upper
 61 100
 96 67.2 55.9 83.9
 98 42.0 35.6 53.4

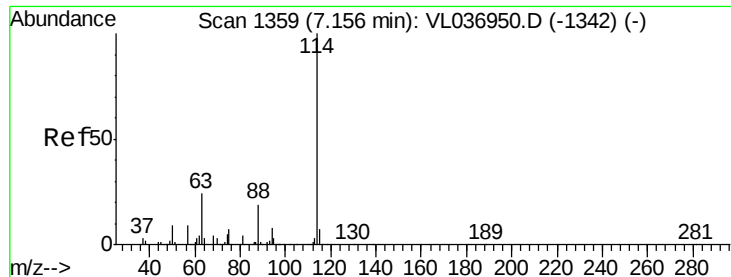


#32

1,1,1-Trichloroethane
 Concen: 10.283 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 97 Resp: 2708552
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.9 77.9
 61 48.2 37.6 56.4

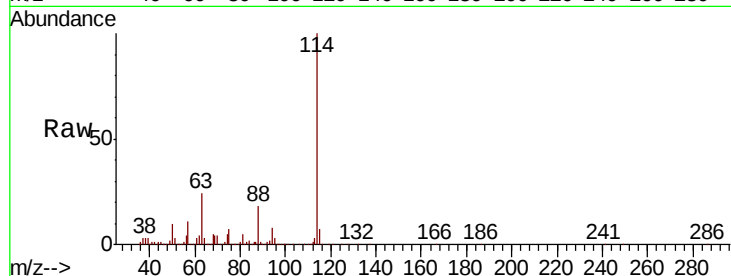




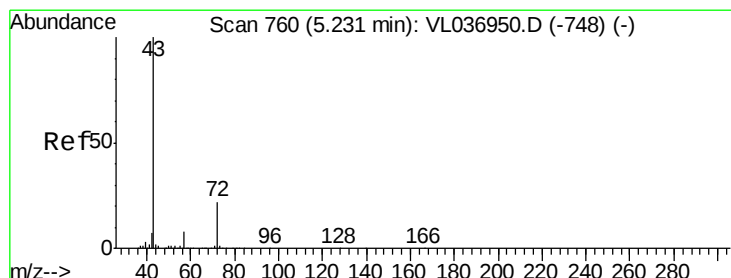
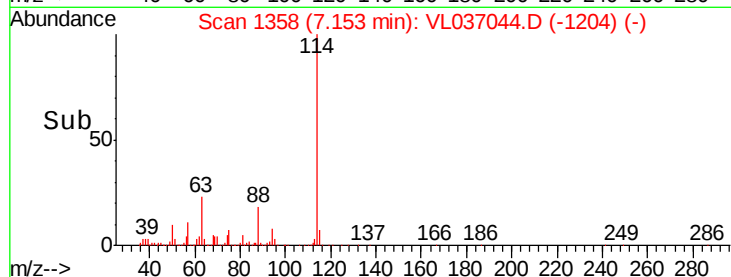
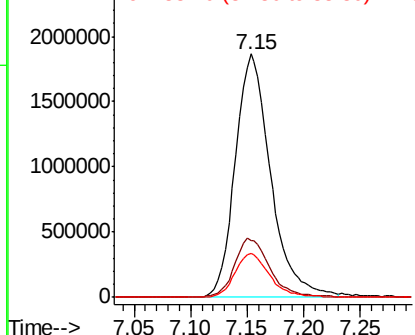
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 4077211
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.9 14.6 21.8

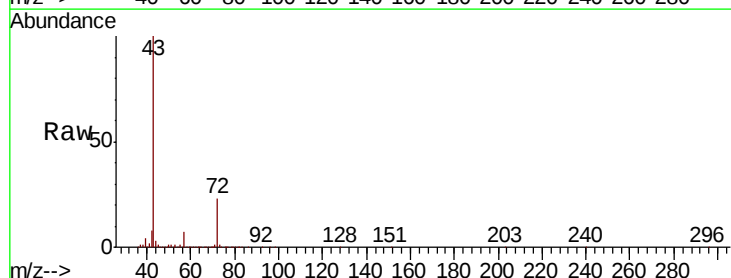


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

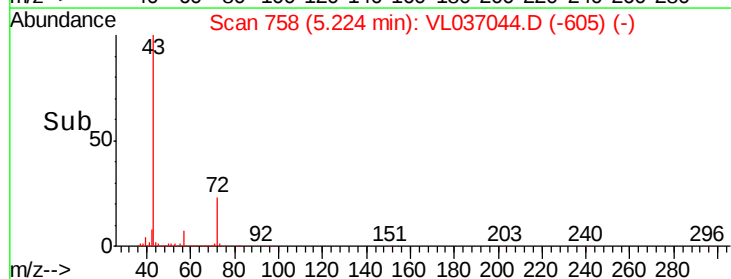
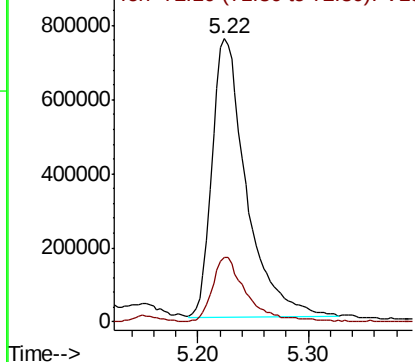


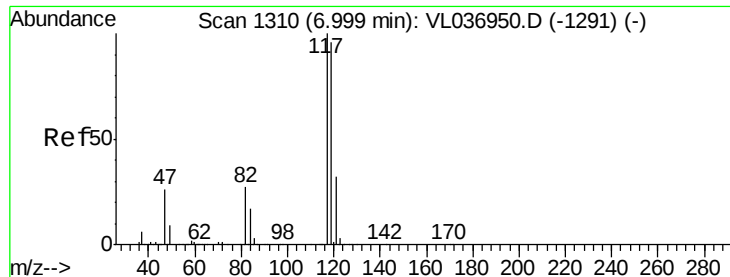
#34
 2-Butanone
 Concen: 10.987 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 43 Resp: 1631196
 Ion Ratio Lower Upper
 43 100
 72 23.0 19.0 28.4



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





#35

Carbon Tetrachloride

Concen: 10.458 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

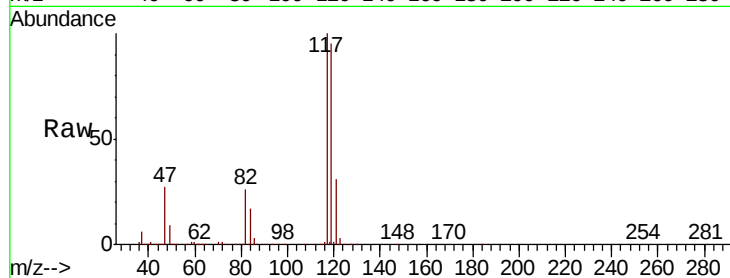
Tot Ion:117 Resp: 2833148

Ion Ratio Lower Upper

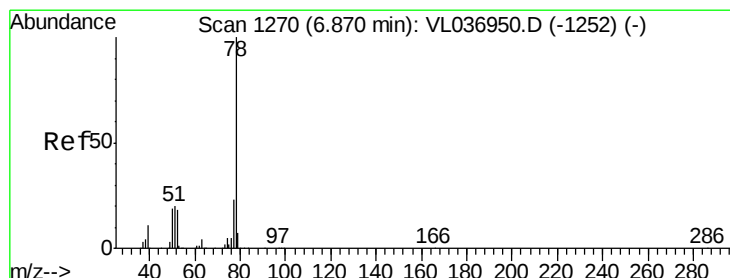
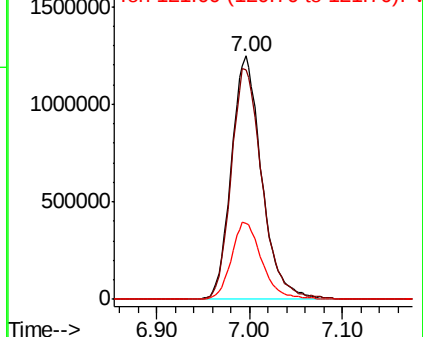
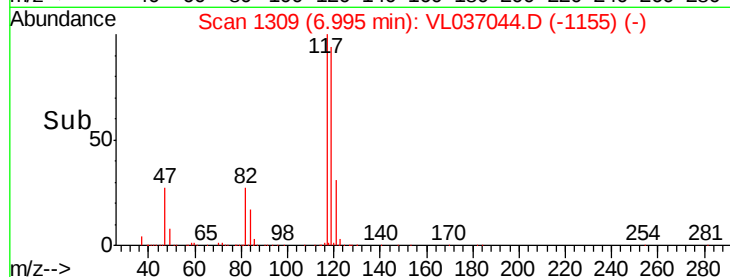
117 100

119 94.5 76.6 114.8

121 31.2 25.8 38.6



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: 10.021 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

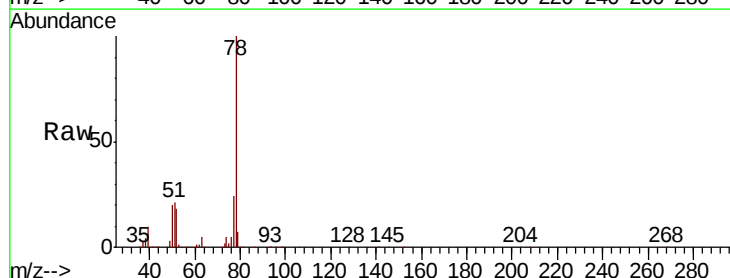
Tgt Ion: 78 Resp: 3519480

Ion Ratio Lower Upper

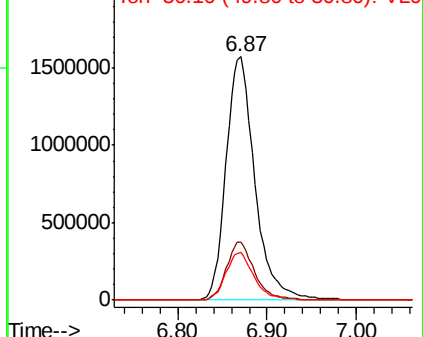
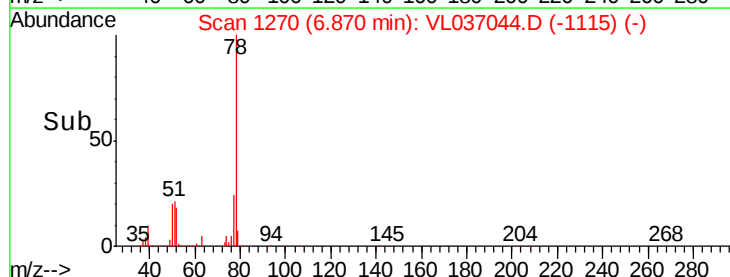
78 100

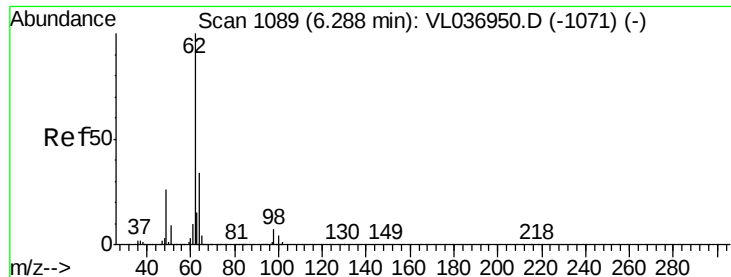
77 24.0 18.6 28.0

50 19.6 15.0 22.4



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

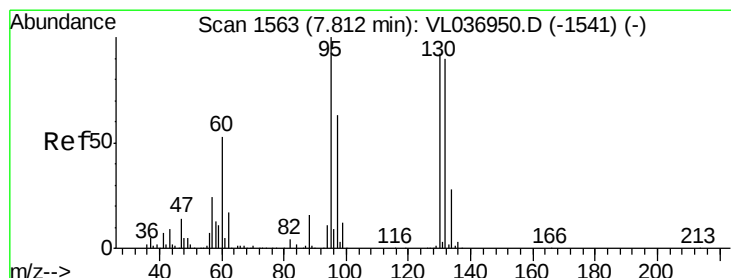
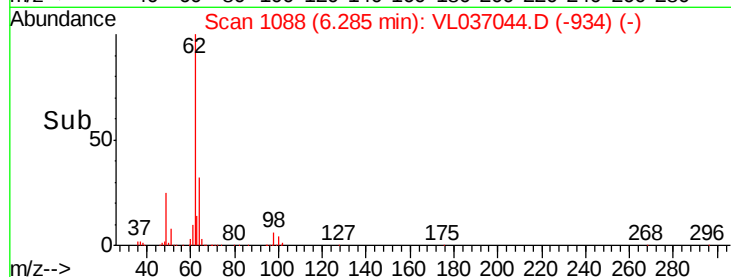
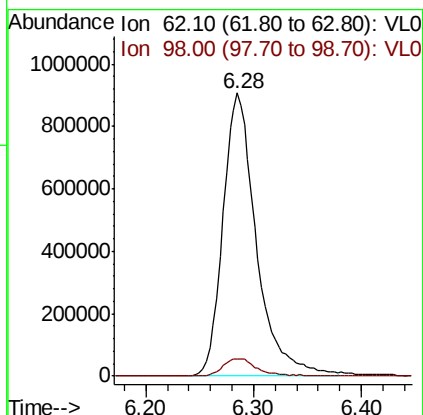
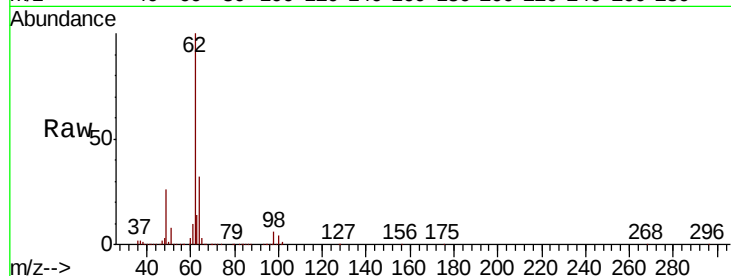




#37
 1,2-Dichloroethane
 Concen: 11.192 ppbv
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

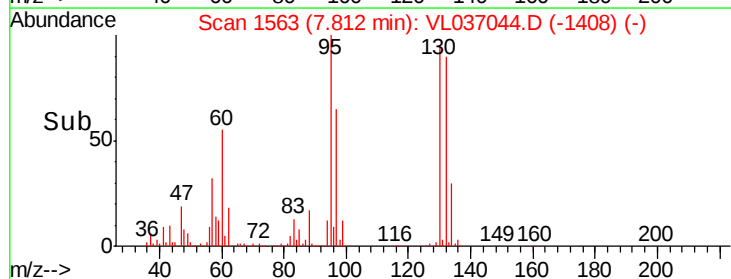
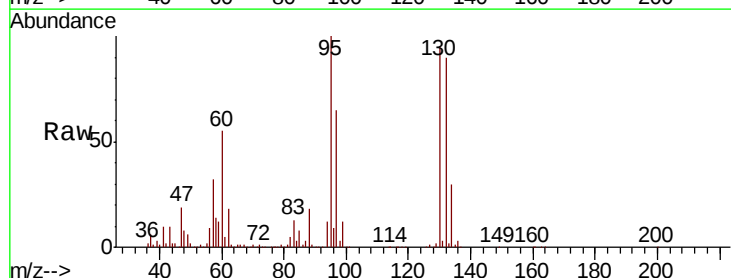
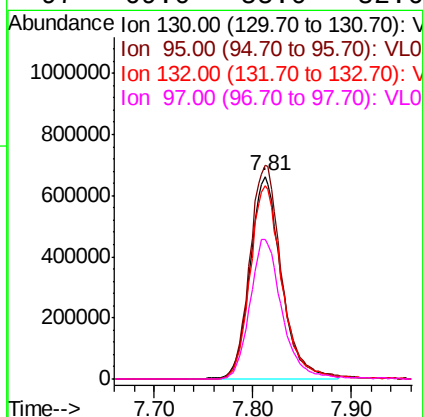
Instrument :
 MSVOA_L
 ClientSampled :

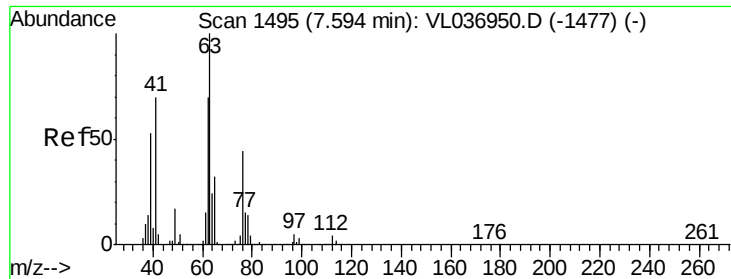
Tot Ion: 62 Resp: 1948755
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.5 8.3



#38
 Trichloroethene
 Concen: 9.665 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion:130 Resp: 1452006
 Ion Ratio Lower Upper
 130 100
 95 105.6 86.9 130.3
 132 95.4 78.4 117.6
 97 69.0 55.0 82.6



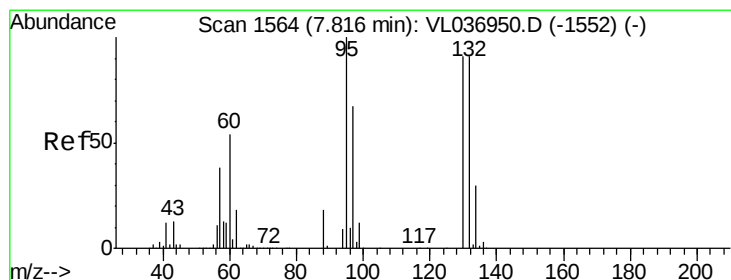
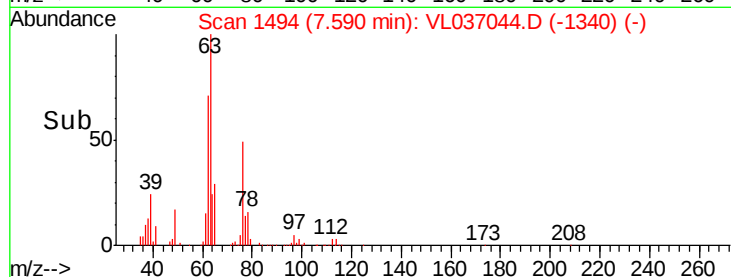
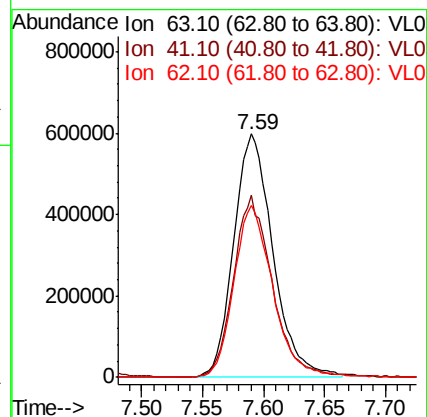
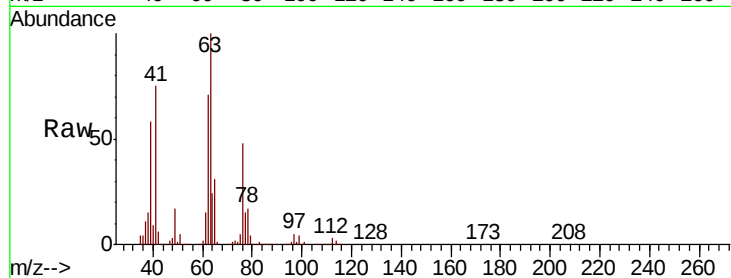


#39
 1,2-Dichloropropane
 Concen: 9.869 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1335118

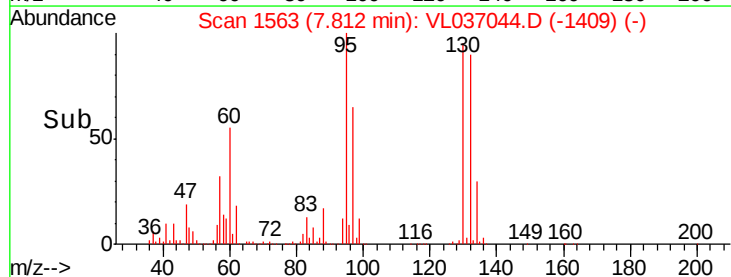
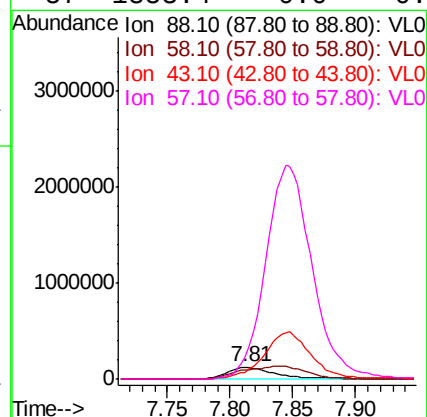
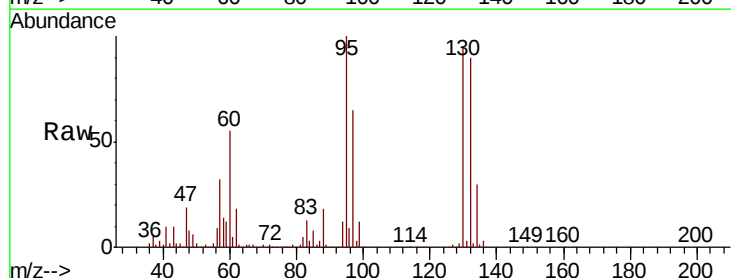
Ion	Ratio	Lower	Upper
63	100		
41	74.6	55.7	83.5
62	70.5	56.2	84.4

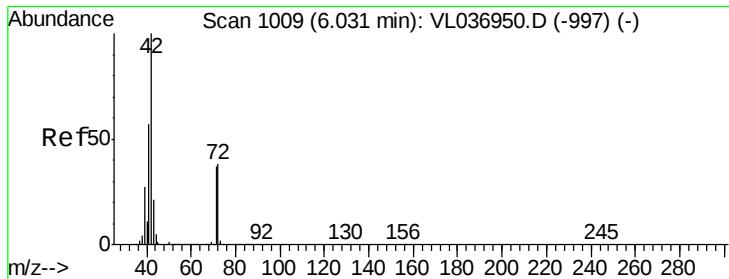


#40
 1,4-Dioxane
 Concen: 9.777 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 88 Resp: 312307

Ion	Ratio	Lower	Upper
88	100		
58	157.2	0.0	0.0#
43	413.1	0.0	0.0#
57	1853.4	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.625 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampled :

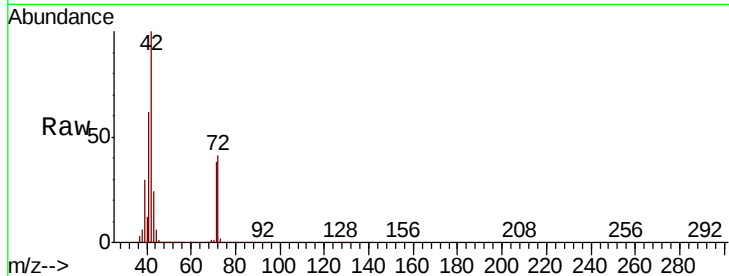
Tot Ion: 42 Resp: 813837

Ion Ratio Lower Upper

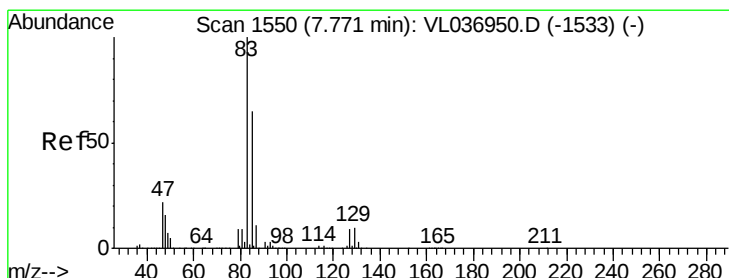
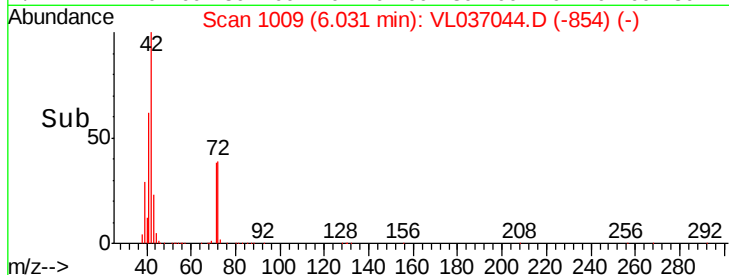
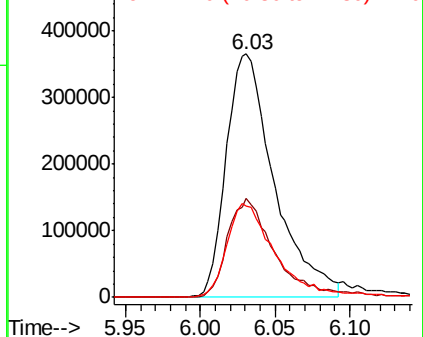
42 100

72 41.5 31.4 47.2

71 40.2 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.751 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

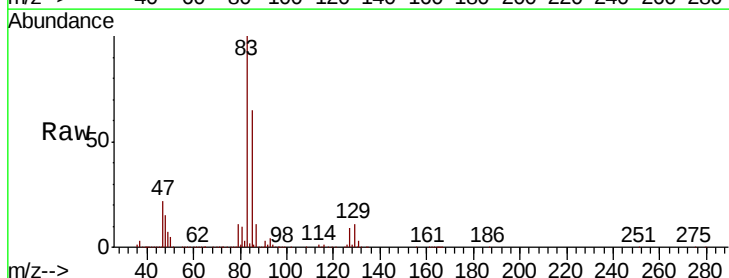
Tgt Ion: 83 Resp: 2831894

Ion Ratio Lower Upper

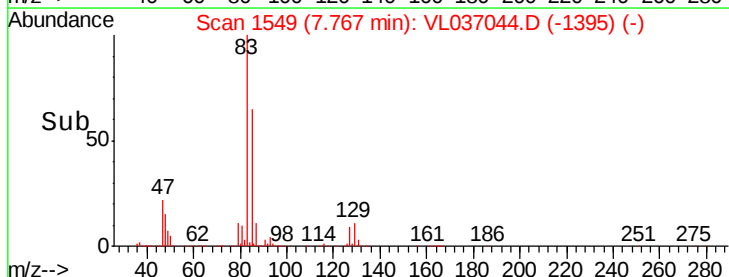
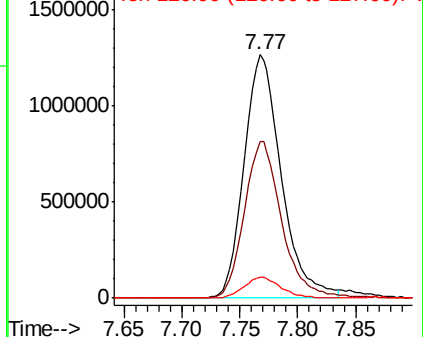
83 100

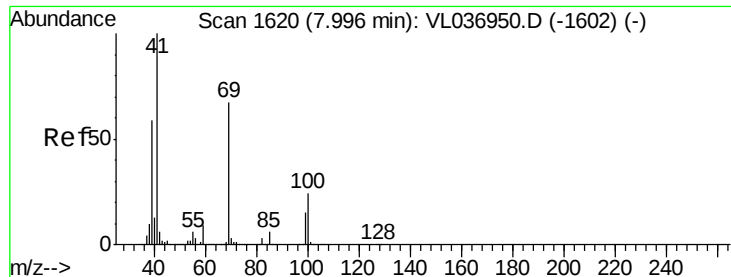
85 64.5 51.7 77.5

127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

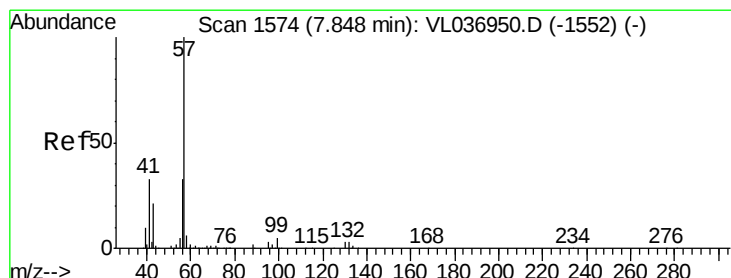
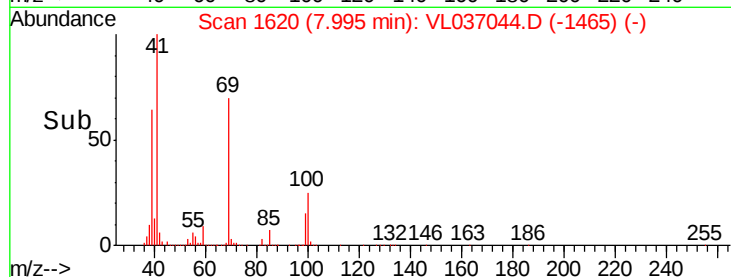
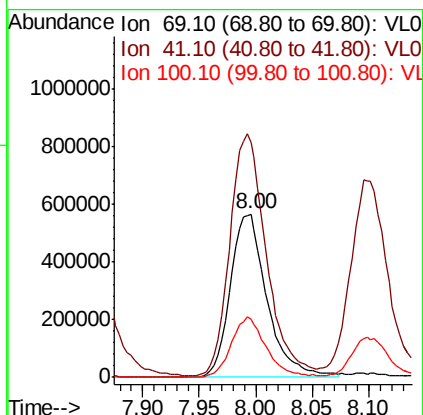
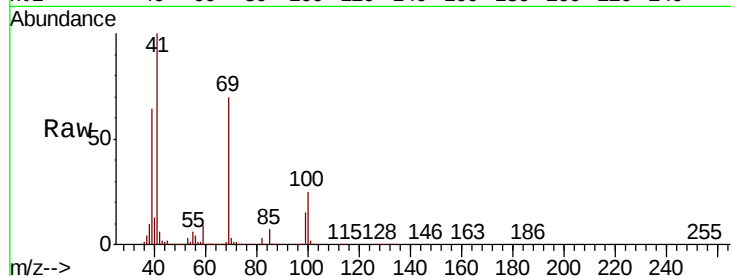




#43
Methvl Methacrilate
Concen: 10.597 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

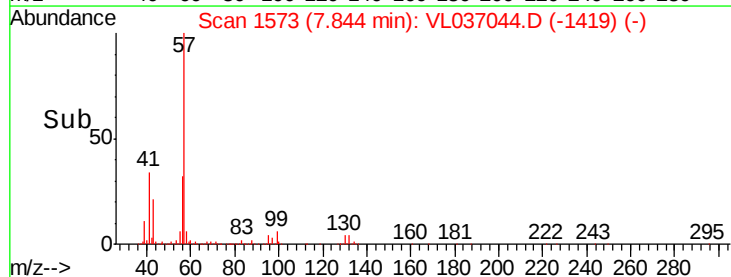
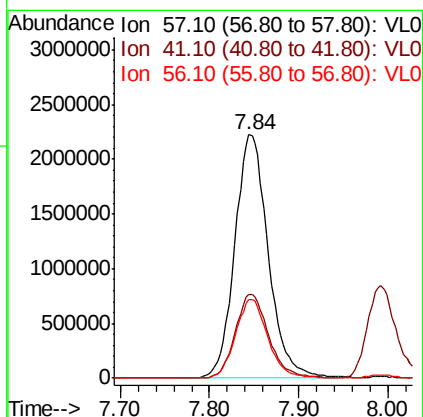
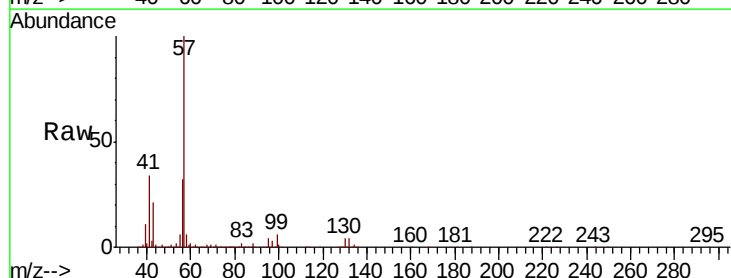
Instrument :
MSVOA_L
ClientSampled :

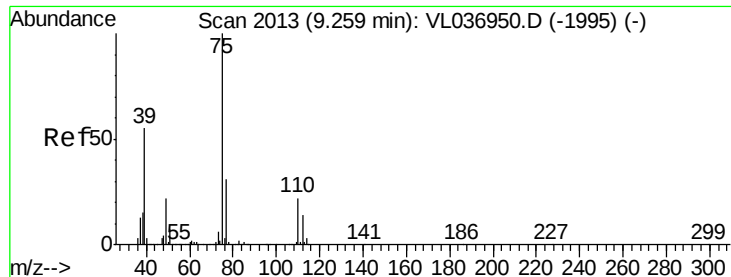
Tot Ion: 69 Resp: 1282751
Ion Ratio Lower Upper
69 100
41 149.1 118.6 178.0
100 35.3 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 9.569 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 57 Resp: 5765552
Ion Ratio Lower Upper
57 100
41 34.3 27.0 40.4
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.132 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

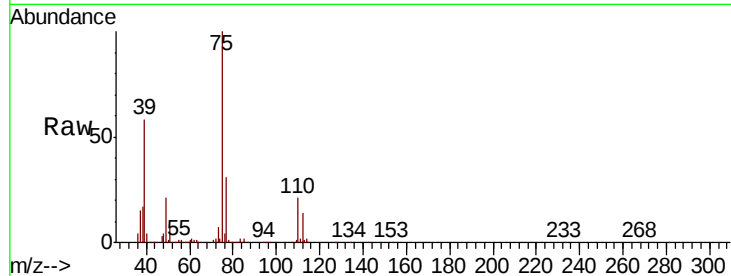
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1029450

Ion Ratio Lower Upper

75 100

77 30.6 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

500000

400000

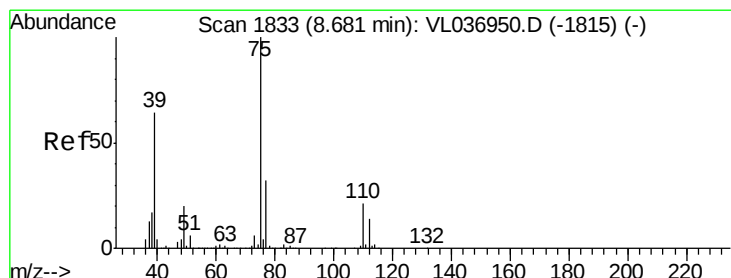
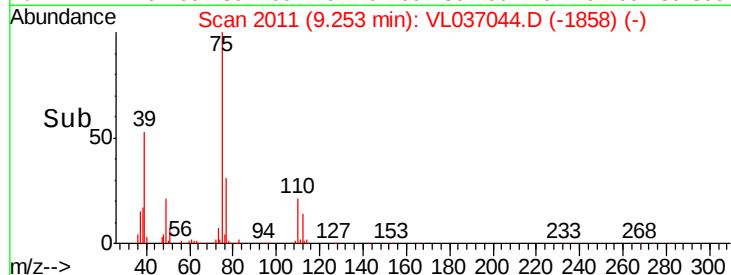
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 10.670 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

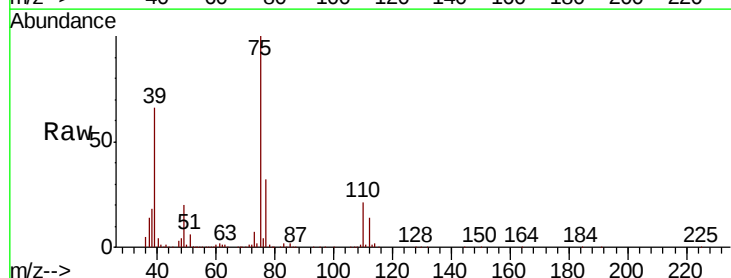
Tgt Ion: 75 Resp: 1327139

Ion Ratio Lower Upper

75 100

39 66.1 51.5 77.3

77 32.3 25.9 38.9



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

800000

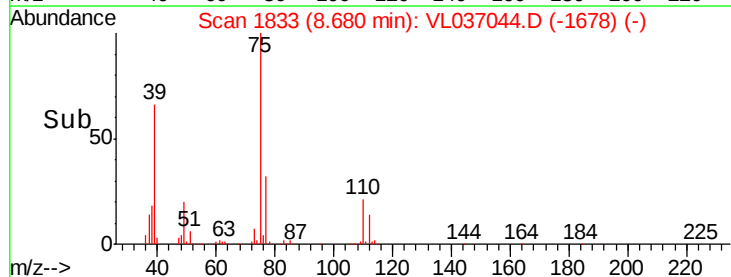
600000

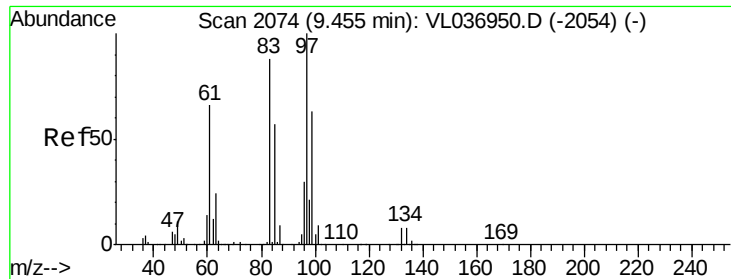
400000

200000

0

Time--> 8.60 8.65 8.70 8.75 8.80

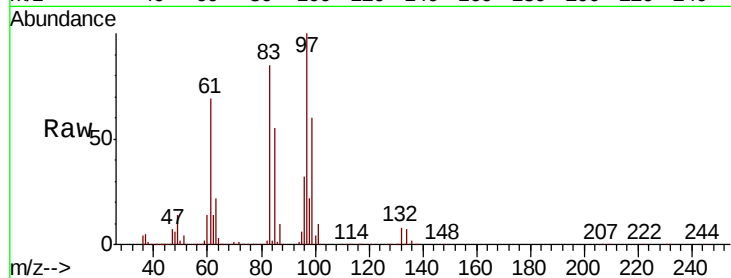




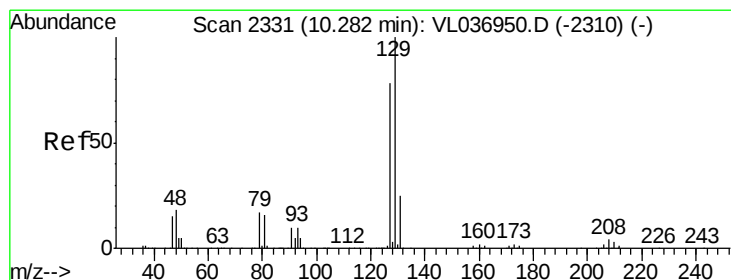
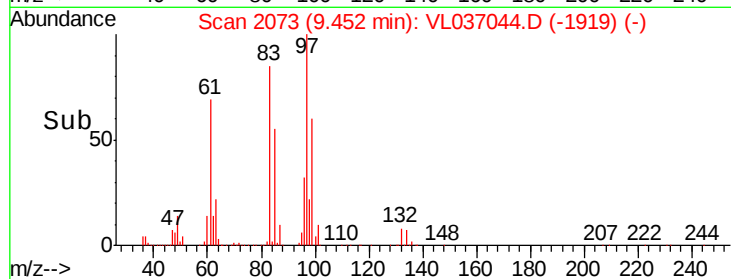
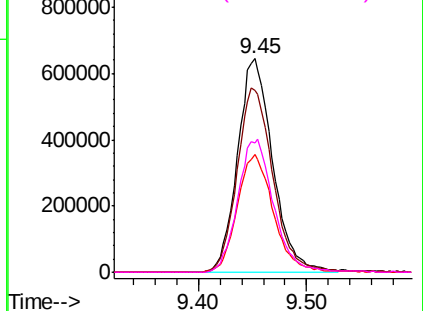
#47
 1,1,2-Trichloroethane
 Concen: 10.371 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1468471
 Ion Ratio Lower Upper
 97 100
 83 84.8 70.4 105.6
 85 54.9 45.5 68.3
 99 60.3 50.2 75.2

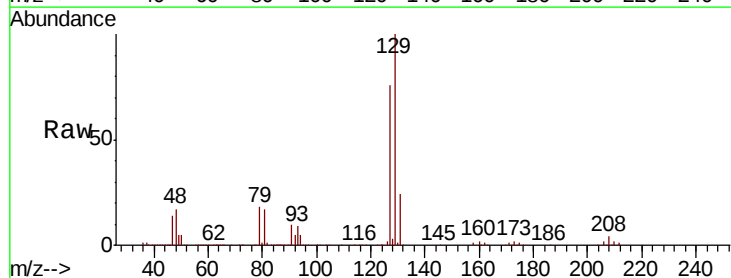


Abundance Ion 97.00 (96.70 to 97.70): VL0
 1000000 Ion 83.00 (82.70 to 83.70): VL0
 800000 Ion 85.00 (84.70 to 85.70): VL0
 600000 Ion 99.00 (98.70 to 99.70): VL0

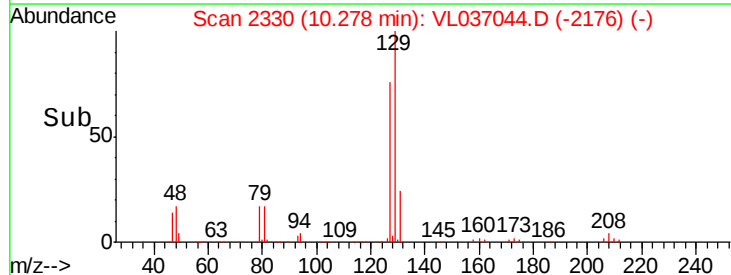
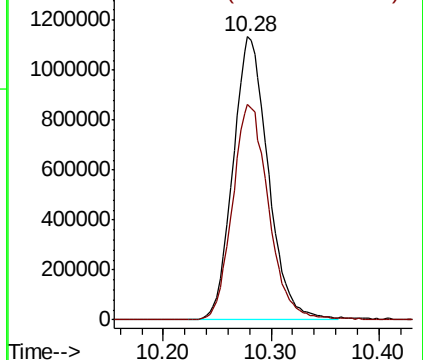


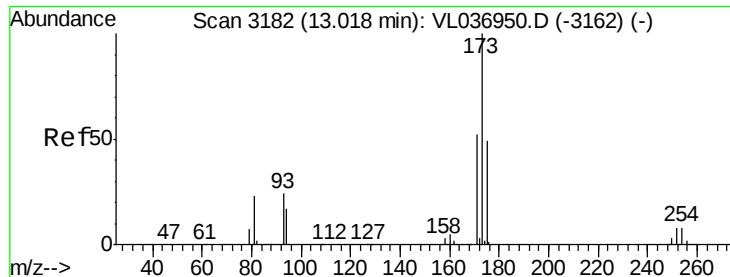
#48
 Dibromochloromethane
 Concen: 11.259 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion: 129 Resp: 2581218
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 1200000 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.447 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

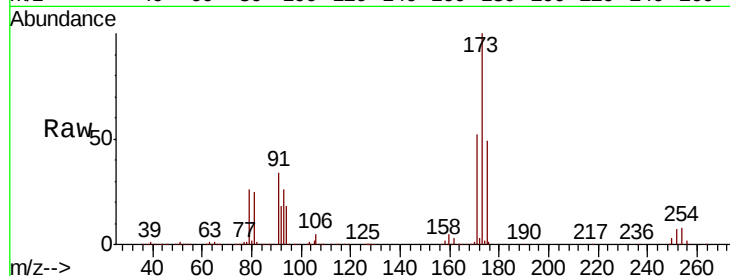
Tot Ion:173 Resp: 2167350

Ion Ratio Lower Upper

173 100

175 49.9 40.4 60.6

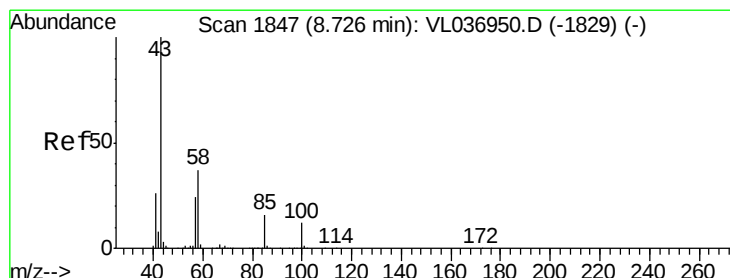
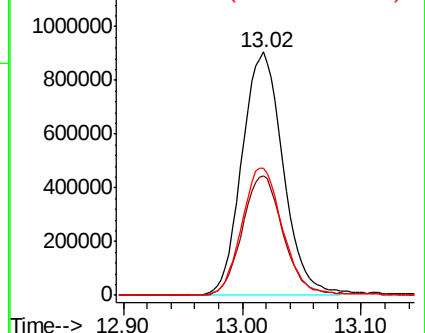
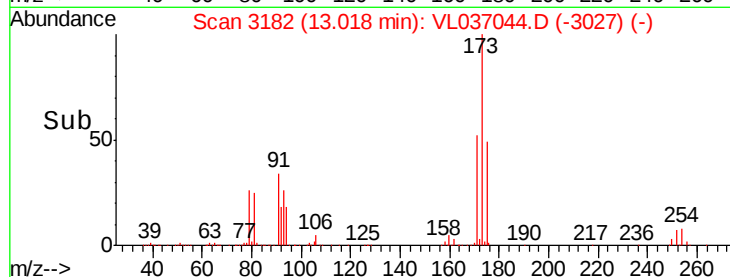
171 53.3 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.339 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037044.D

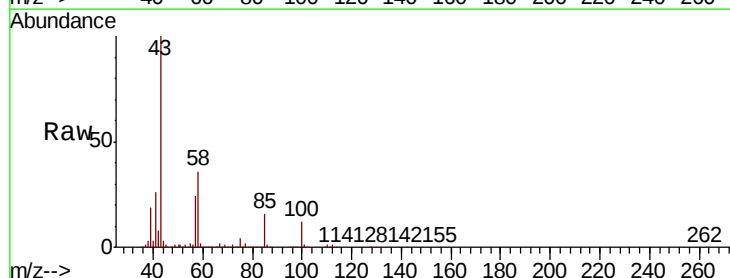
Acq: 24 May 2021 10:13

Tgt Ion: 43 Resp: 2532778

Ion Ratio Lower Upper

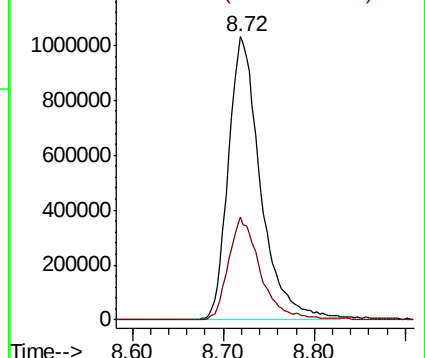
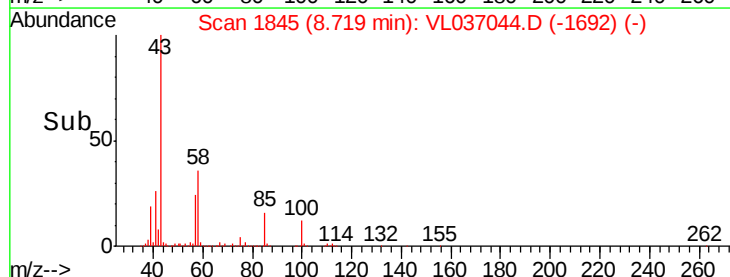
43 100

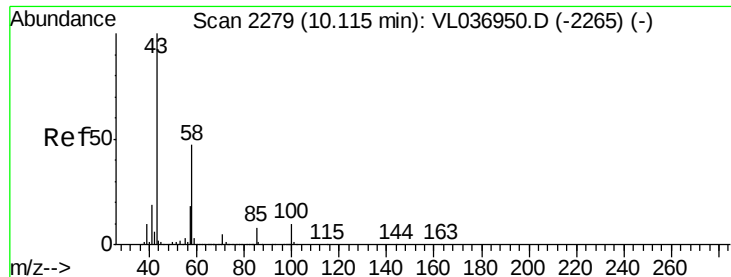
58 36.6 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.463 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

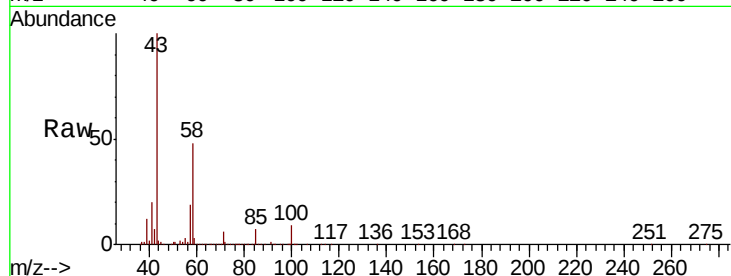
Tot Ion: 43 Resp: 1355121

Ion Ratio Lower Upper

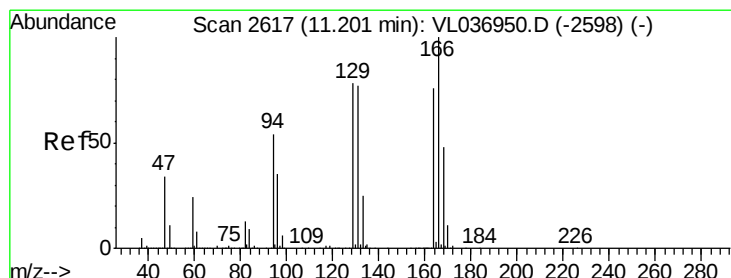
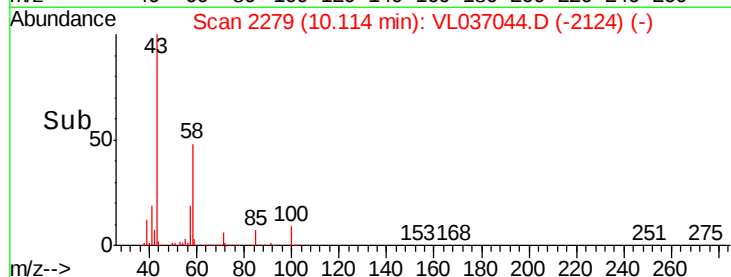
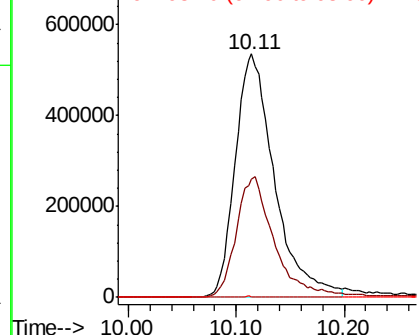
43 100

58 49.5 41.1 61.7

98 0.3 0.1 0.1#



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: 10.221 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion: 164 Resp: 1427373

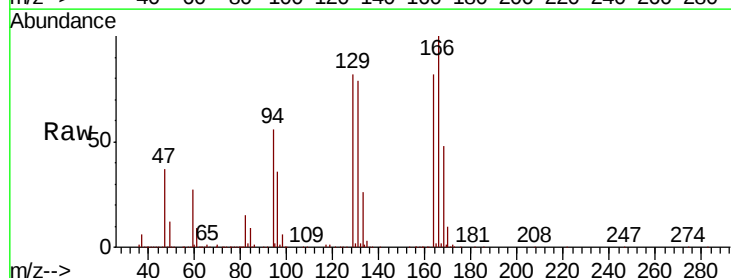
Ion Ratio Lower Upper

164 100

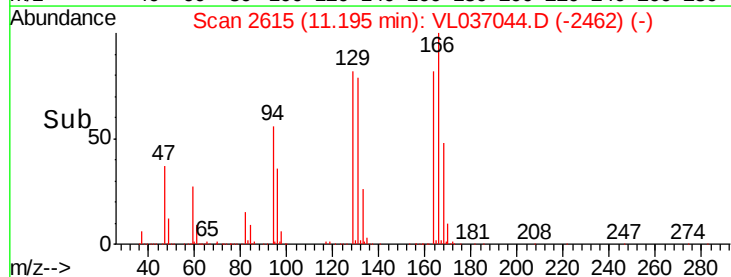
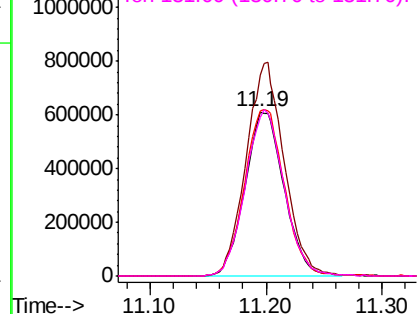
166 122.1 105.5 158.3

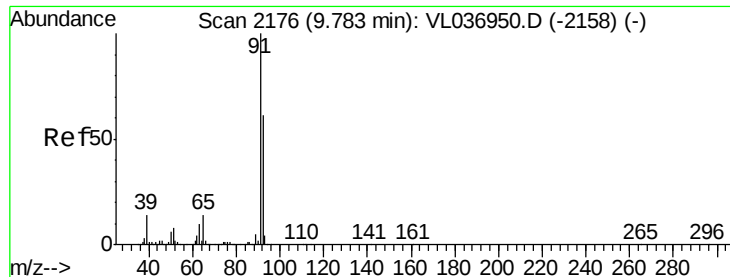
129 100.5 81.8 122.8

131 96.4 81.2 121.8



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: 10.019 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

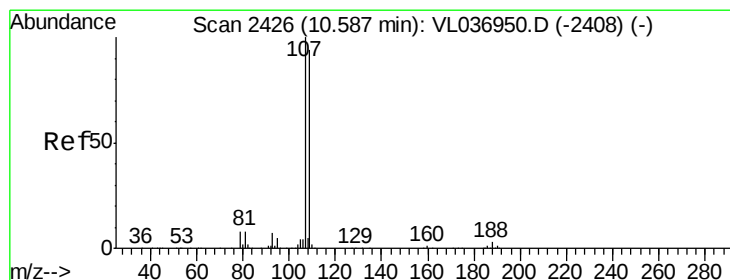
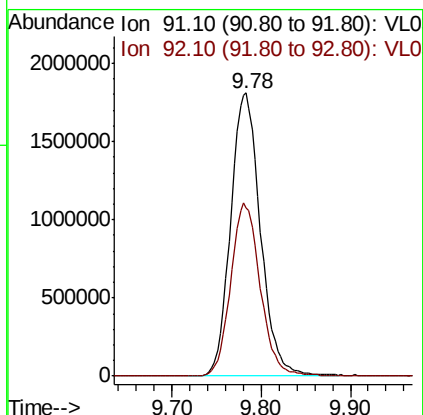
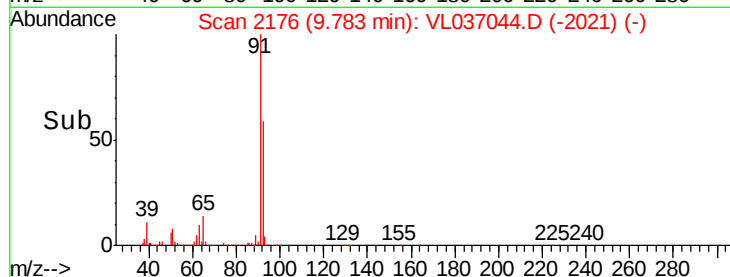
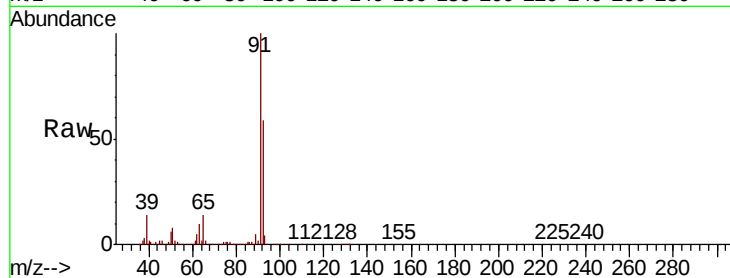
ClientSampleId :

Tot Ion: 91 Resp: 4186899

Ion Ratio Lower Upper

91 100

92 60.8 49.5 74.3



#54

1,2-Dibromoethane

Concen: 10.779 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL037044.D

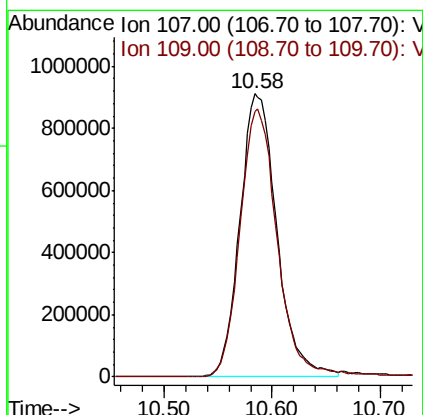
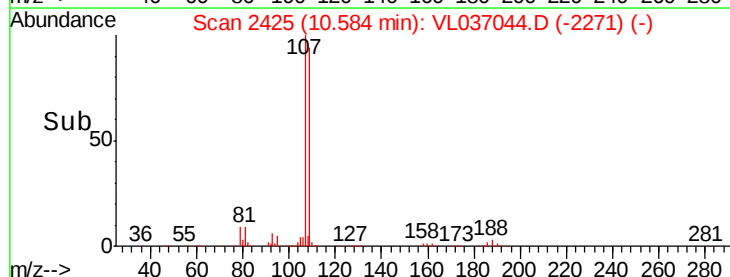
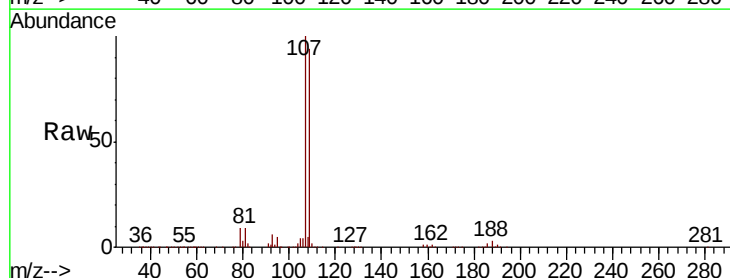
Acq: 24 May 2021 10:13

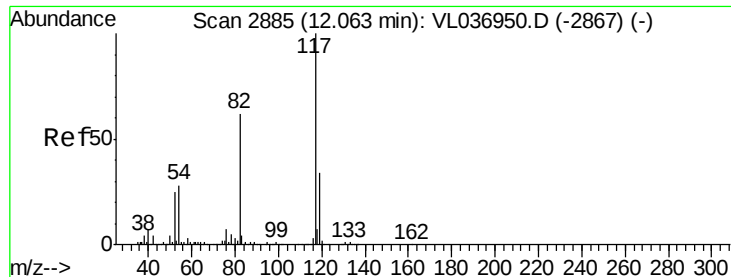
Tgt Ion: 107 Resp: 2169814

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

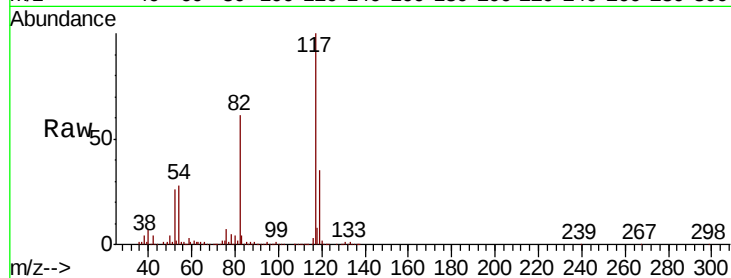
Tot Ion:117 Resp: 4866469

Ion Ratio Lower Upper

117 100

82 49.9 52.6 79.0#

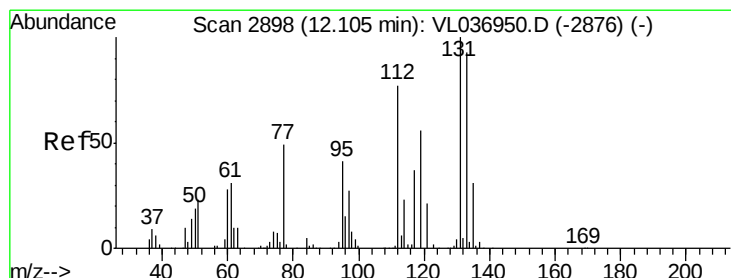
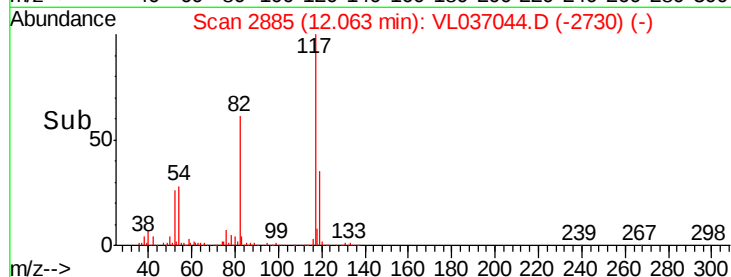
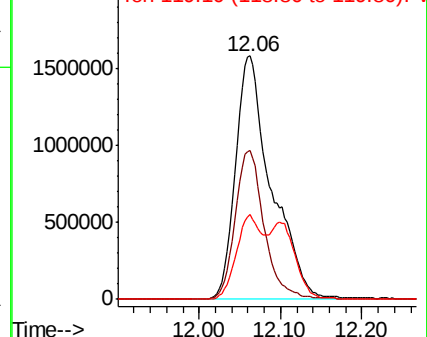
119 23.7 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.512 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

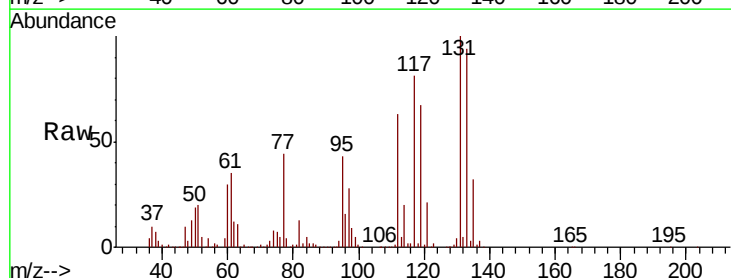
Tgt Ion:131 Resp: 1743040

Ion Ratio Lower Upper

131 100

133 96.0 76.9 115.3

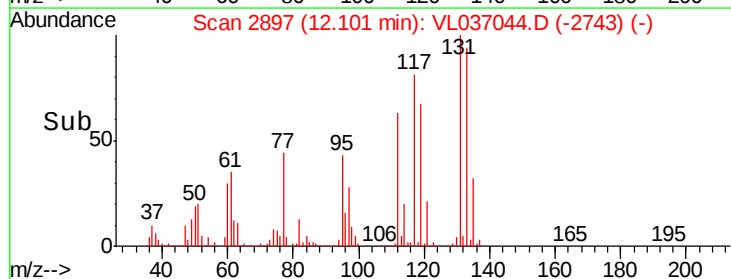
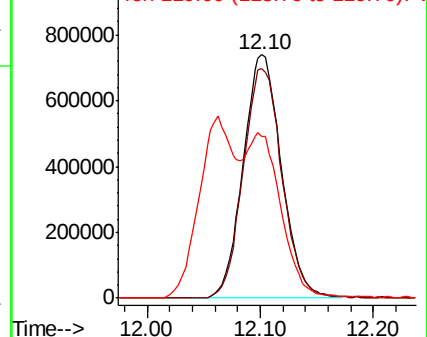
119 59.7 120.2 180.4#

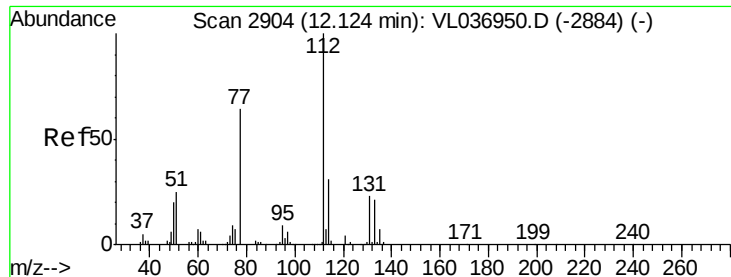


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

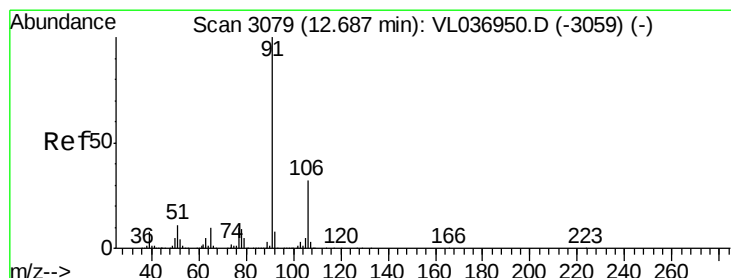
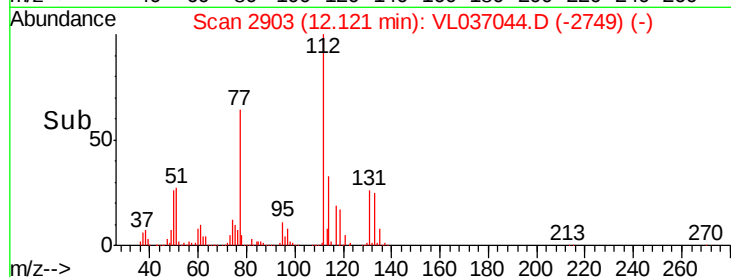
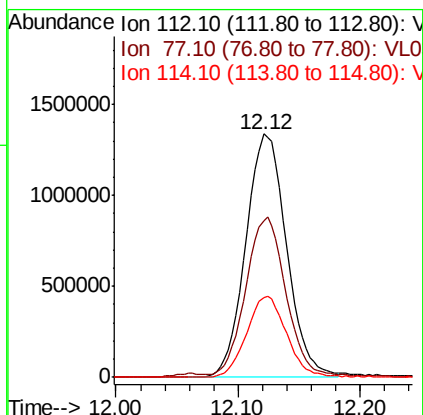
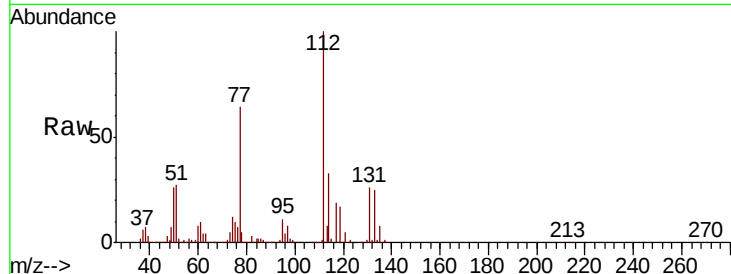




#57
Chlorobenzene
Concen: 8.188 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

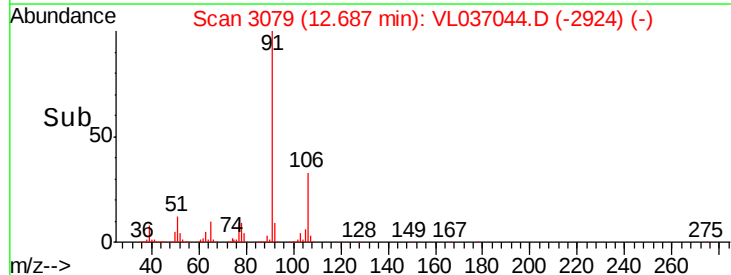
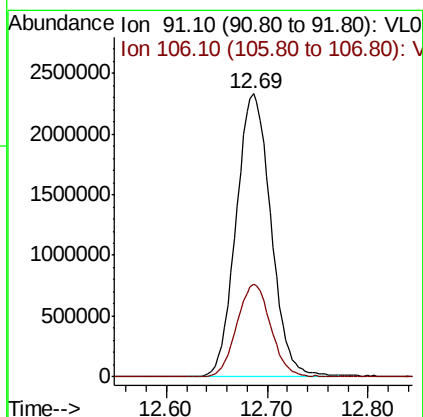
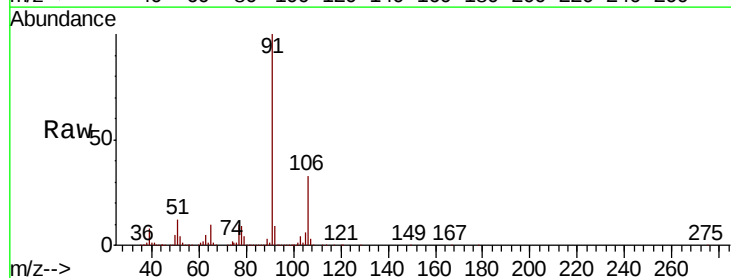
Instrument :
MSVOA_L
ClientSampleId :

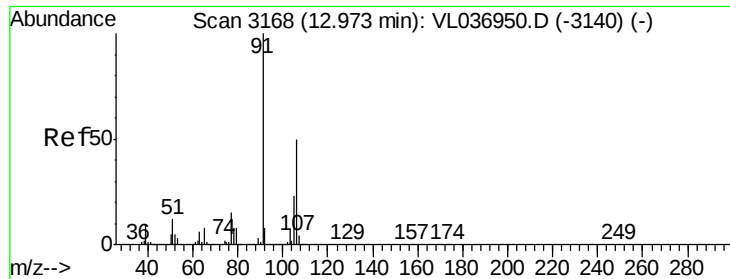
Tot Ion:112 Resp: 3089644
Ion Ratio Lower Upper
112 100
77 63.4 51.0 76.6
114 32.9 28.3 34.5



#58
Ethyl Benzene
Concen: 8.111 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL037044.D
Acq: 24 May 2021 10:13

Tgt Ion: 91 Resp: 5571269
Ion Ratio Lower Upper
91 100
106 32.8 25.6 38.4





#59

m/p-Xylene

Concen: 8.684 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

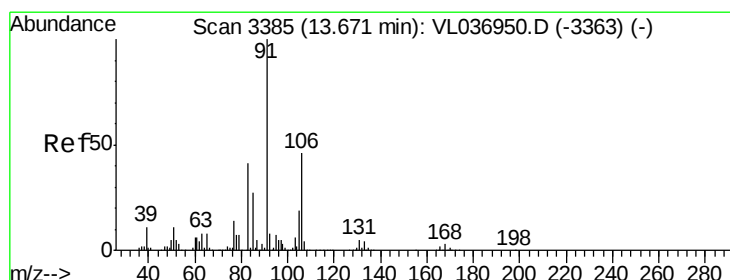
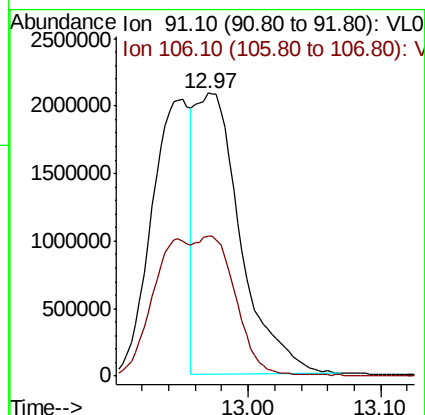
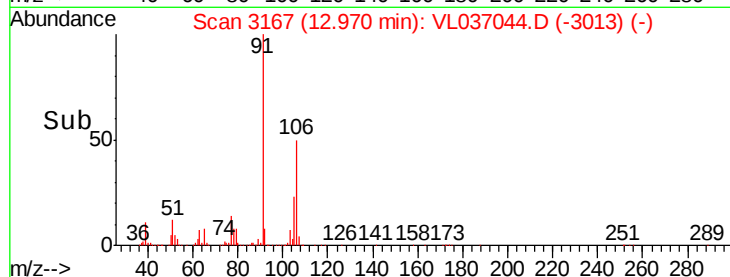
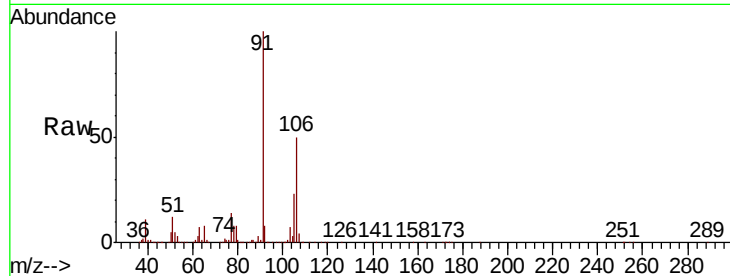
ClientSampleId :

Tot Ion: 91 Resp: 4930585

Ion Ratio Lower Upper

91 100

106 86.4 37.4 56.2#



#60

o-Xylene

Concen: 8.123 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL037044.D

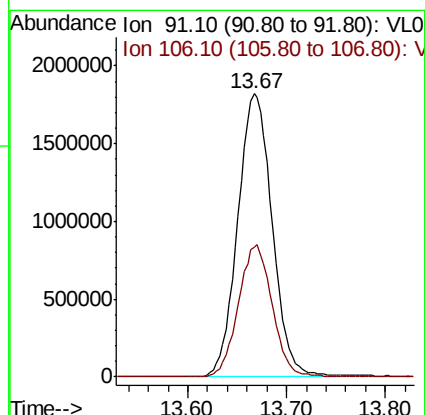
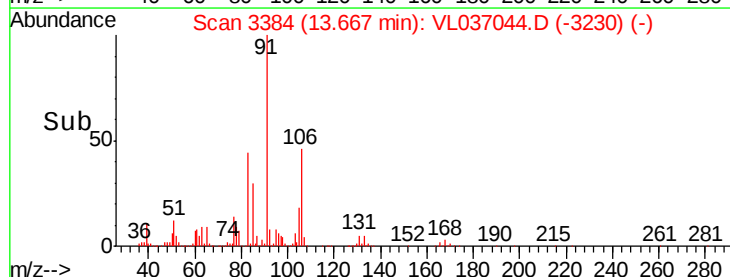
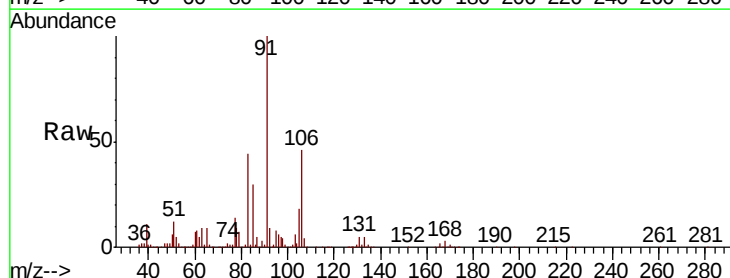
Acq: 24 May 2021 10:13

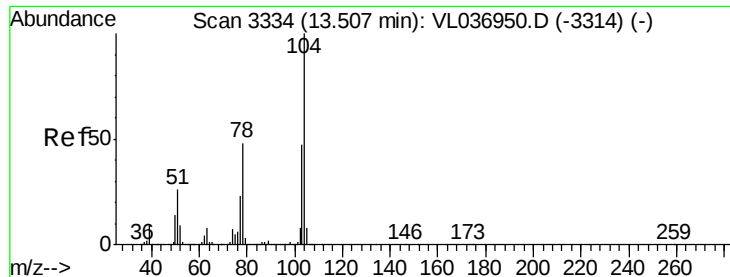
Tgt Ion: 91 Resp: 4398149

Ion Ratio Lower Upper

91 100

106 46.3 23.4 70.3





#61

Stvrene

Concen: 8.480 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

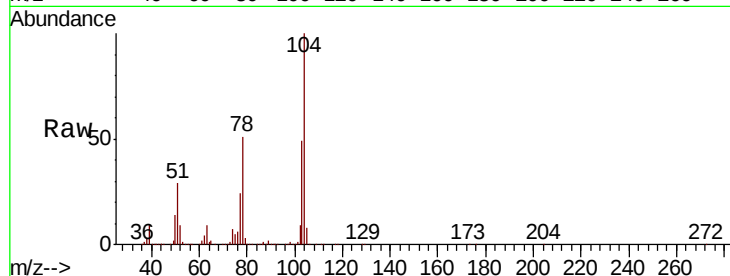
Tot Ion:104 Resp: 2586724

Ion Ratio Lower Upper

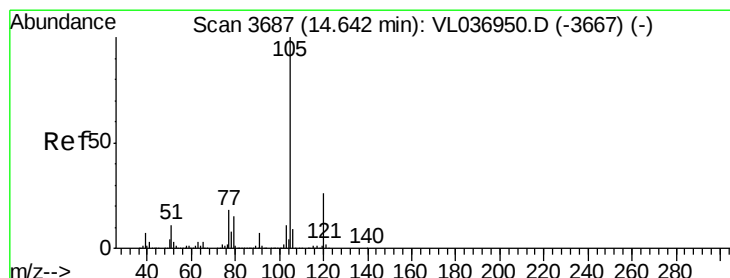
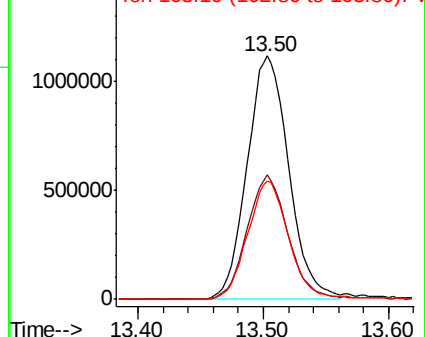
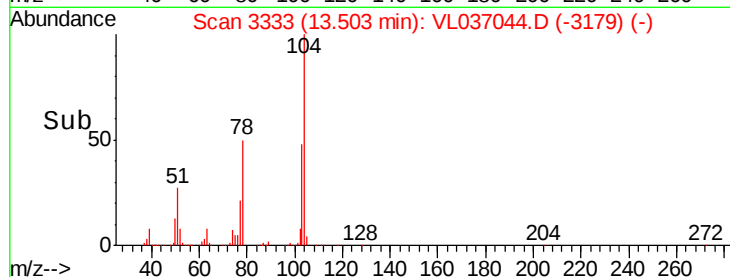
104 100

78 50.4 39.0 58.6

103 48.4 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V
1500000
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.974 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037044.D

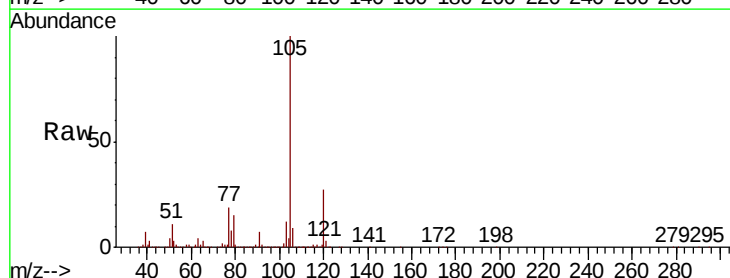
Acq: 24 May 2021 10:13

Tgt Ion:105 Resp: 6205770

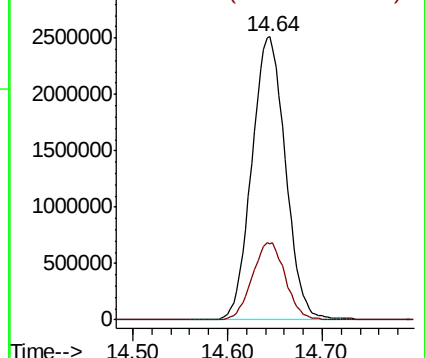
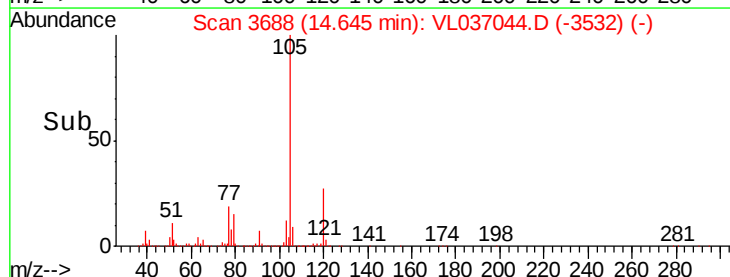
Ion Ratio Lower Upper

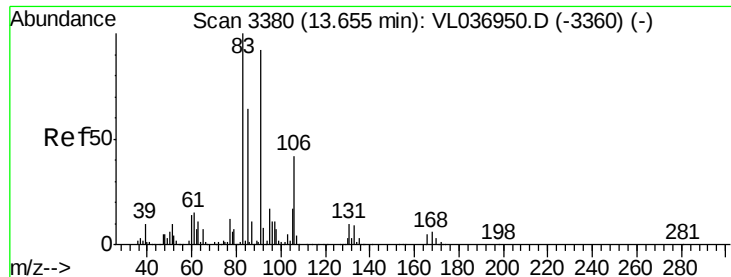
105 100

120 26.9 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V
3000000
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.471 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

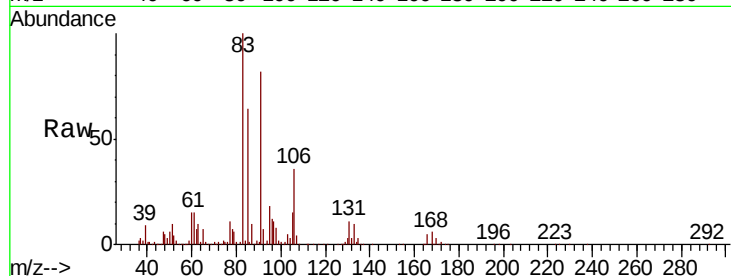
Tot Ion: 83 Resp: 3021318

Ion Ratio Lower Upper

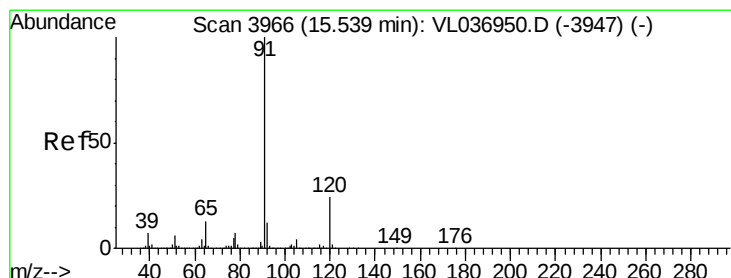
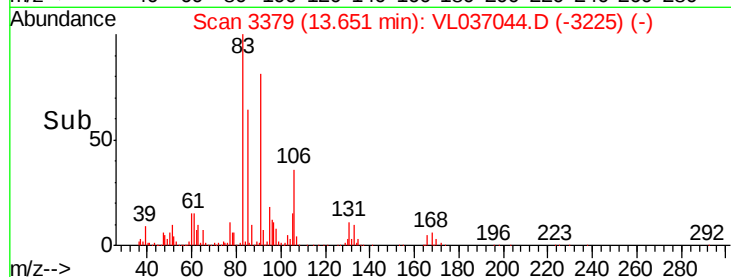
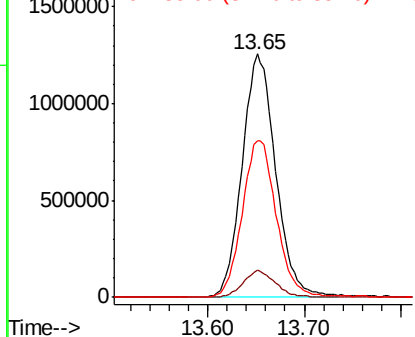
83 100

131 10.7 5.0 15.0

85 66.0 32.9 98.6



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: 8.479 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL037044.D

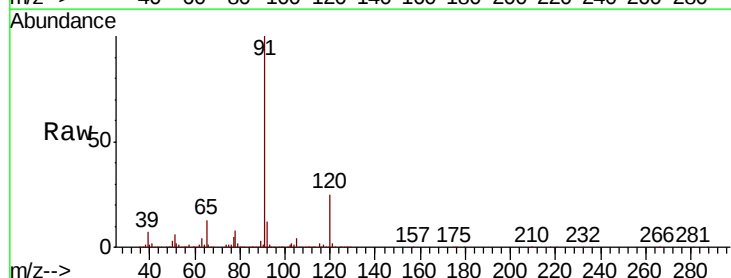
Acq: 24 May 2021 10:13

Tgt Ion:120 Resp: 1702530

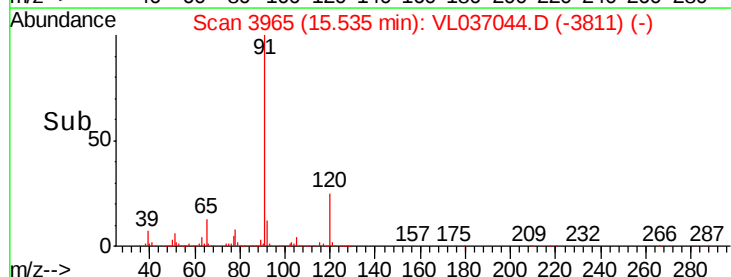
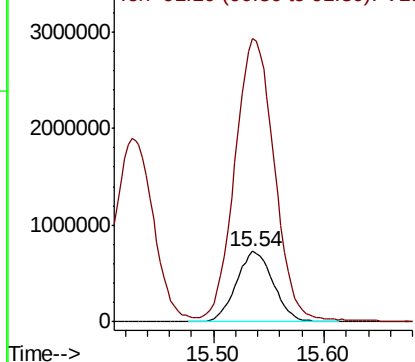
Ion Ratio Lower Upper

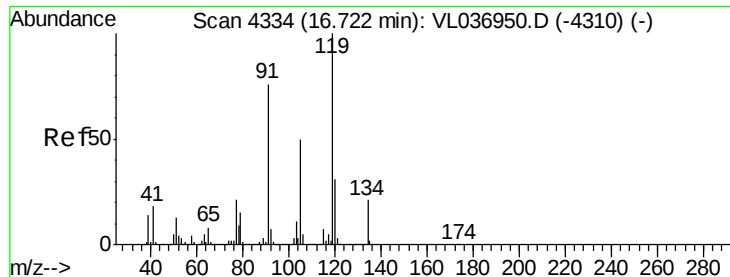
120 100

91 429.0 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.074 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampled :

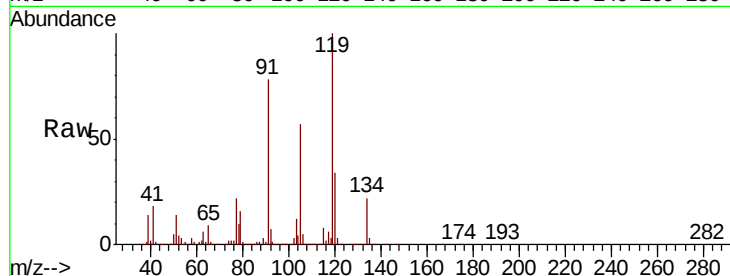
Tot Ion:119 Resp: 5669586

Ion Ratio Lower Upper

119 100

91 78.3 61.9 92.9

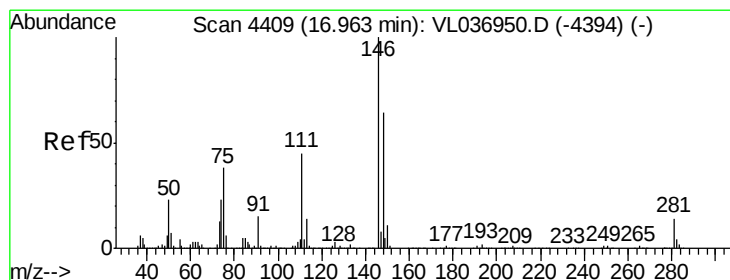
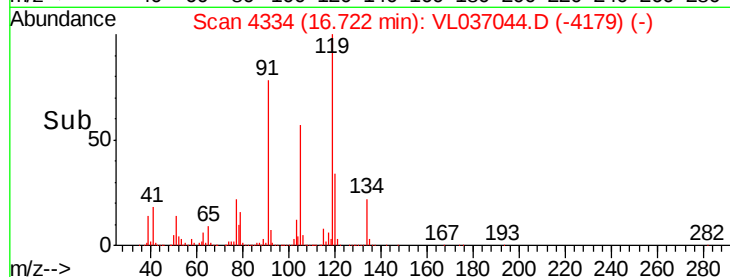
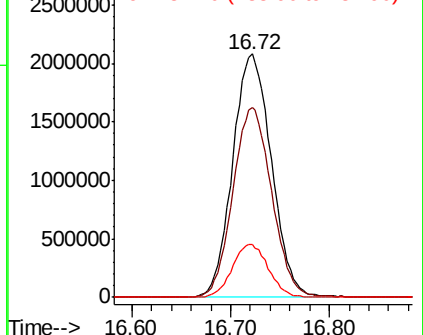
134 20.3 16.2 24.4



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: 7.578 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. 0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

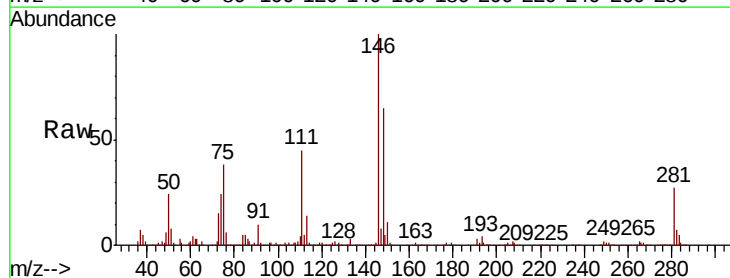
Tgt Ion: 91 Resp: 295262

Ion Ratio Lower Upper

91 100

126 21.7 16.5 24.7

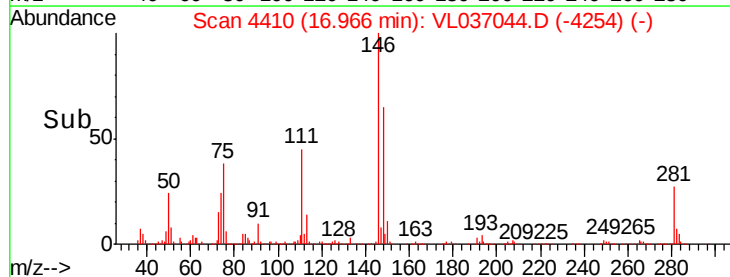
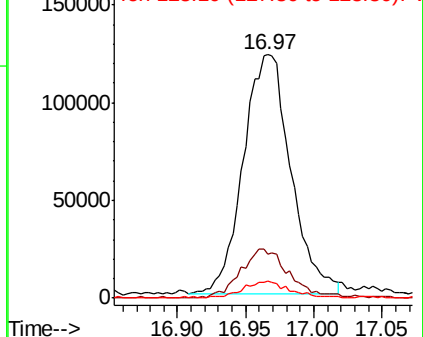
128 7.3 5.5 8.3

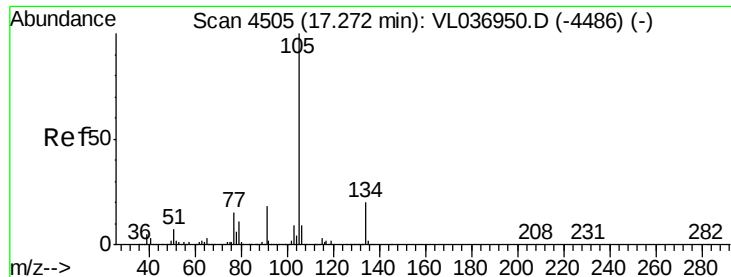


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.012 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

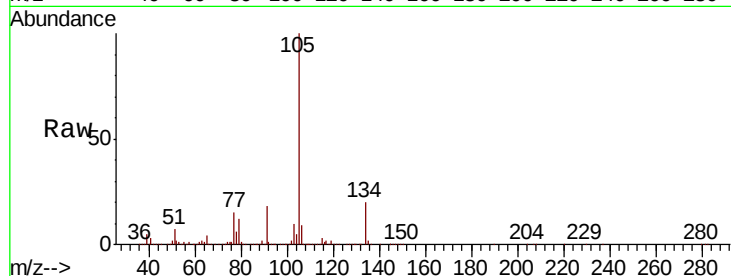
ClientSampleId :

Tot Ion:105 Resp: 7675377

Ion Ratio Lower Upper

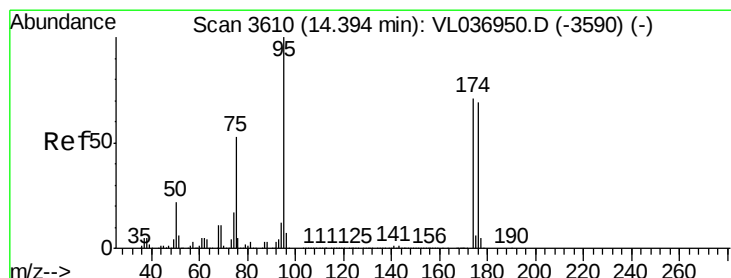
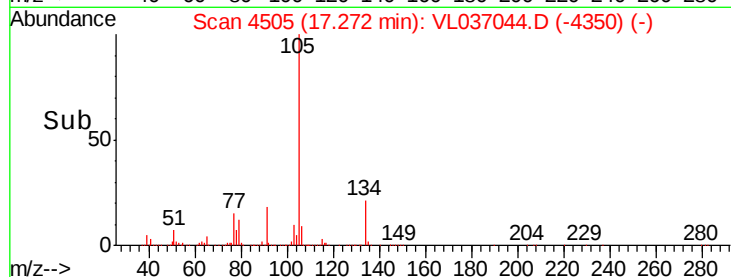
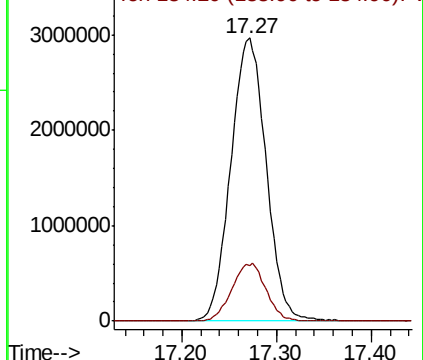
105 100

134 19.7 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.946 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

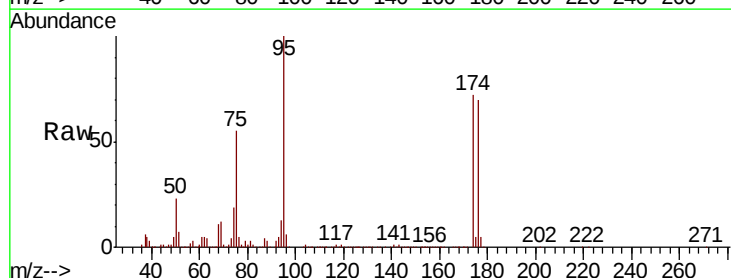
Tgt Ion: 95 Resp: 2904860

Ion Ratio Lower Upper

95 100

174 72.7 58.4 87.6

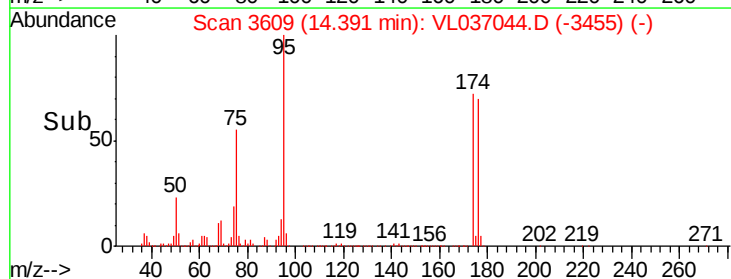
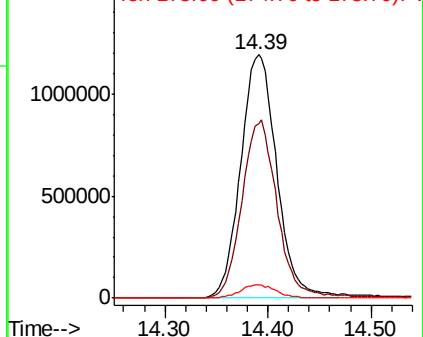
175 5.6 4.4 6.6

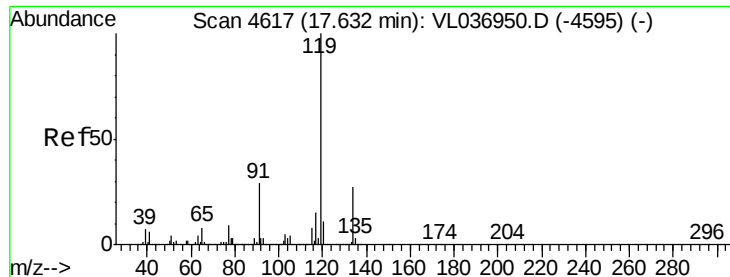


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.209 ppbv

RT: 17.63 min Scan# 4616

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

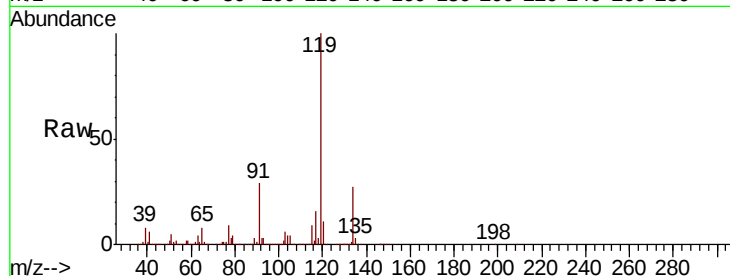
Tot Ion:119 Resp: 6761398

Ion Ratio Lower Upper

119 100

134 26.5 21.2 31.8

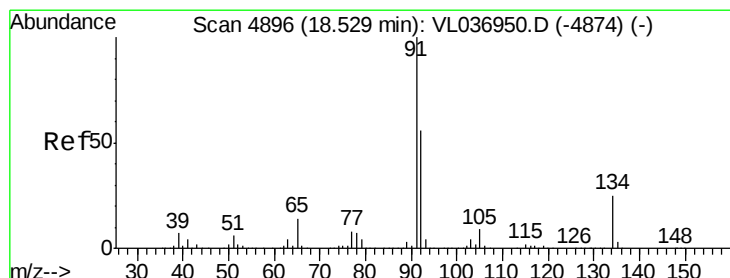
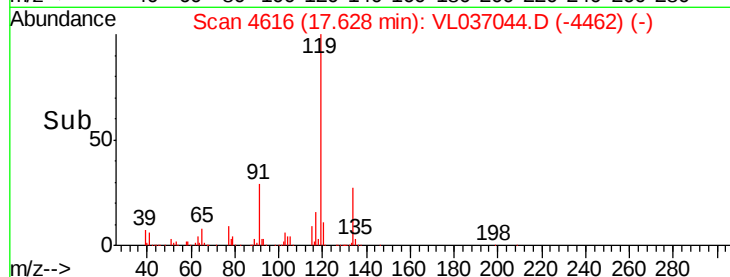
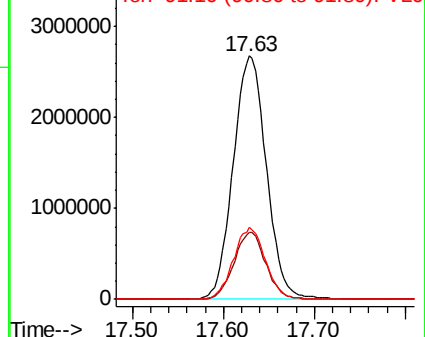
91 28.4 22.2 33.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.420 ppbv

RT: 18.53 min Scan# 4895

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

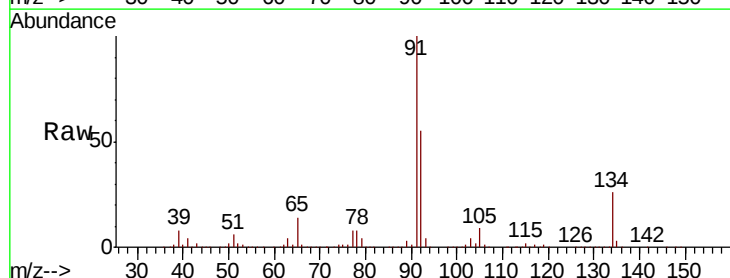
Tgt Ion: 91 Resp: 6588218

Ion Ratio Lower Upper

91 100

92 55.5 44.6 66.8

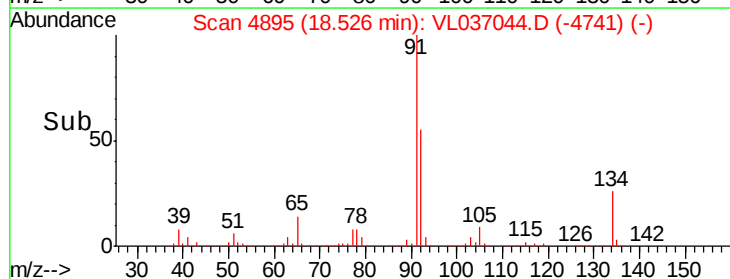
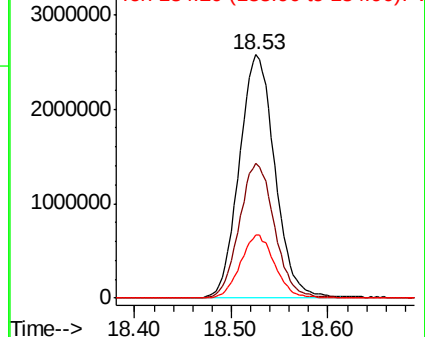
134 25.3 20.2 30.2

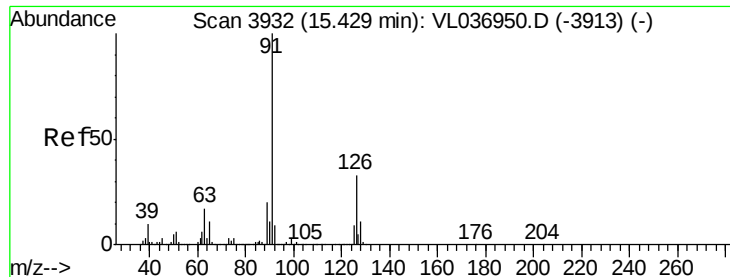


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

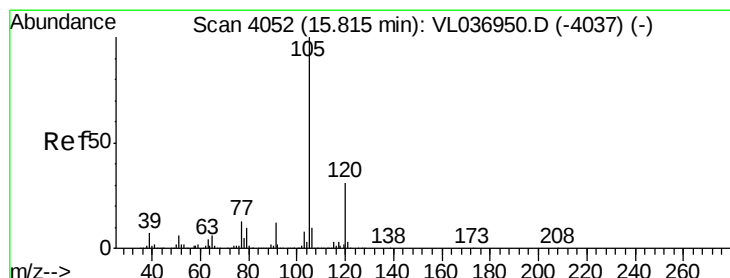
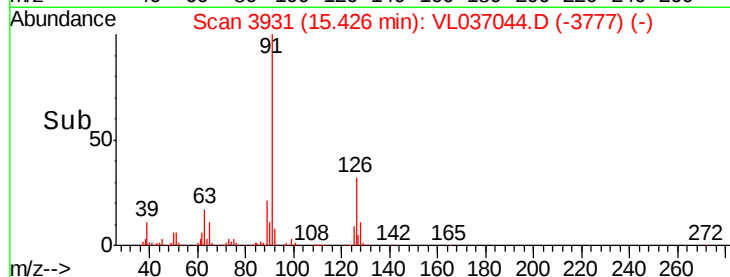
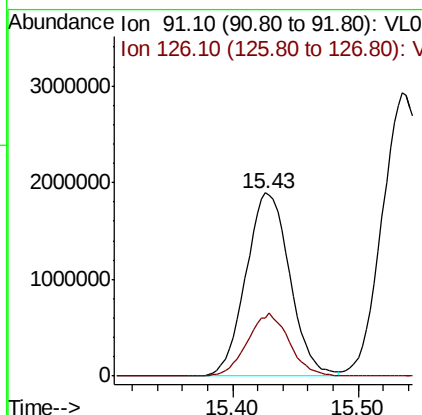
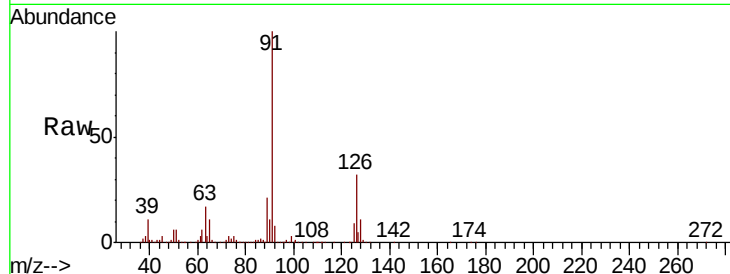




#71
 2-Chlorotoluene
 Concen: 8.195 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

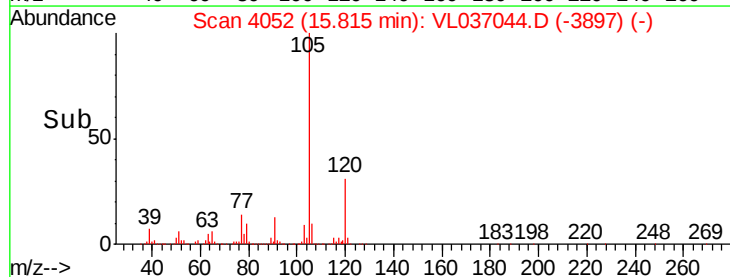
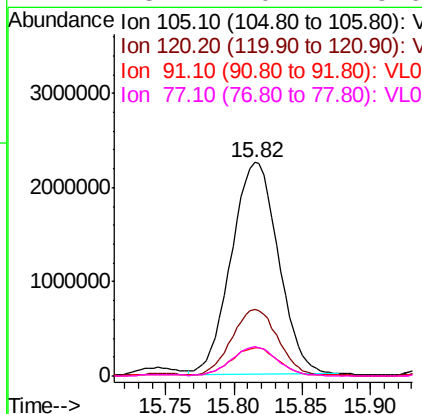
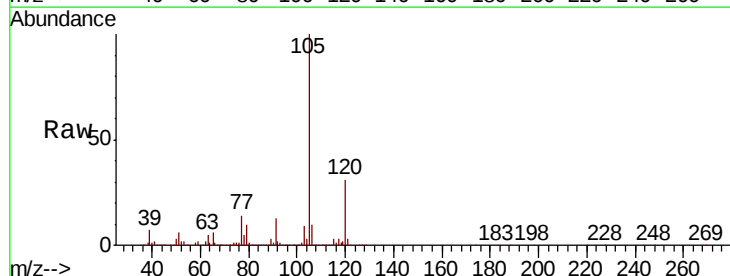
Instrument :
 MSVOA_L
 ClientSampleId :

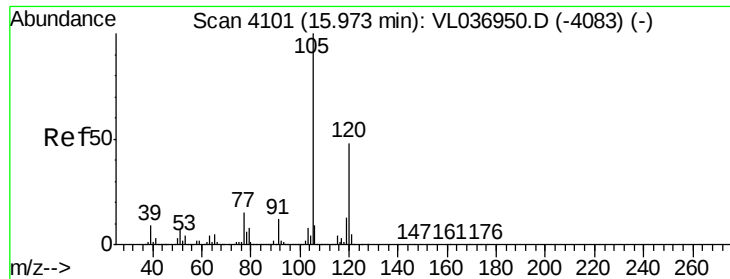
Tot Ion: 91 Resp: 4606236
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.401 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion:105 Resp: 5399088
 Ion Ratio Lower Upper
 105 100
 120 31.5 24.6 37.0
 91 12.8 9.8 14.6
 77 13.4 10.4 15.6

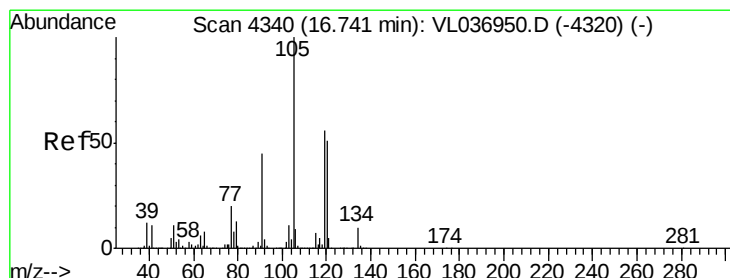
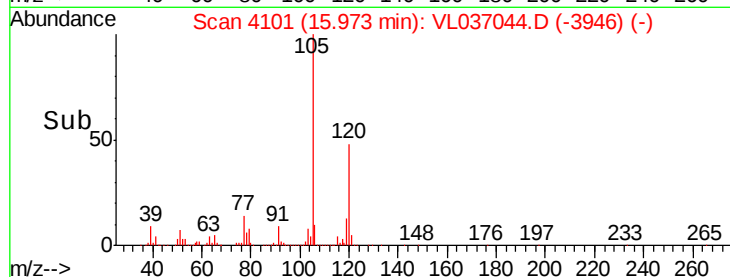
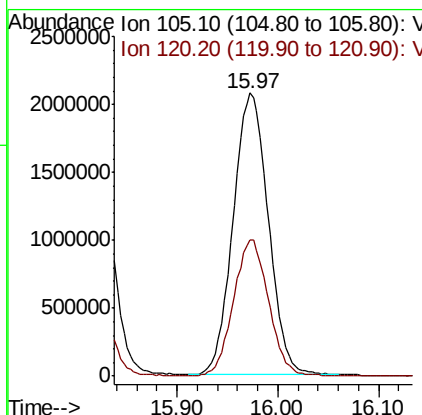
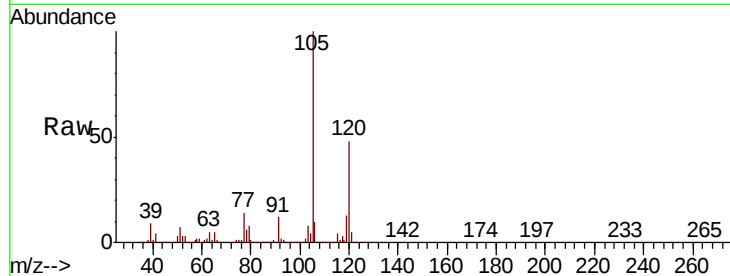




#73
 1,3,5-Trimethylbenzene
 Concen: 8.277 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

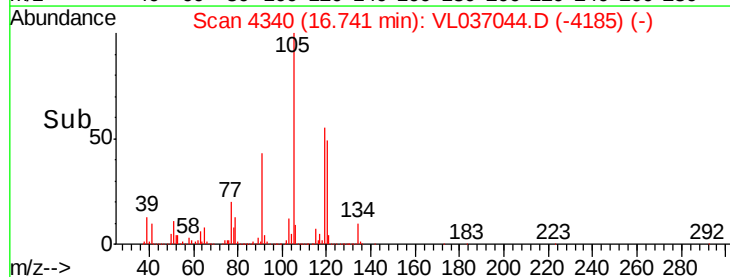
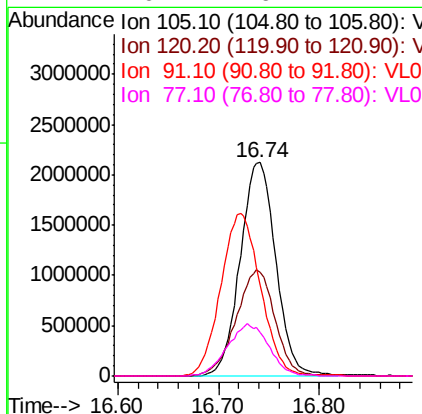
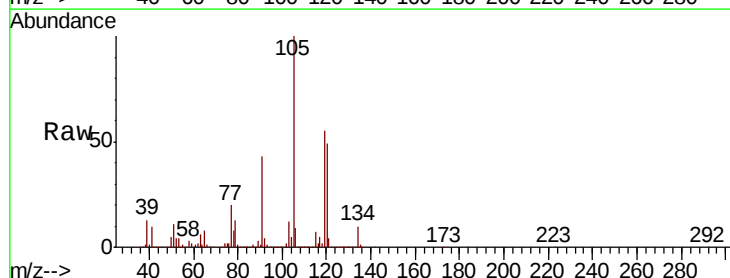
Instrument :
 MSVOA_L
 ClientSampled :

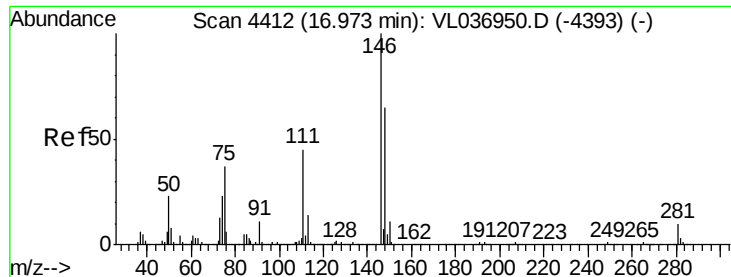
Tot Ion:105 Resp: 4995161
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.323 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037044.D
 Acq: 24 May 2021 10:13

Tgt Ion:105 Resp: 5193607
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.6 61.0
 91 42.4 37.4 56.0
 77 20.1 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 8.330 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

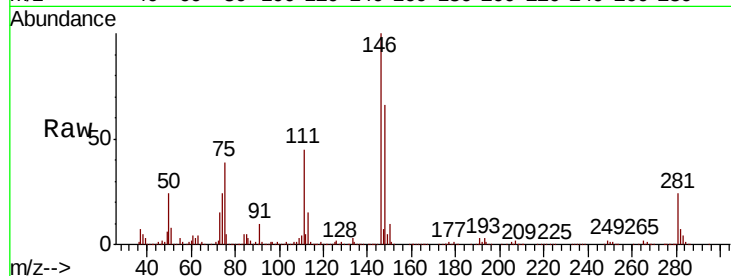
Tot Ion:146 Resp: 3174276

Ion Ratio Lower Upper

146 100

111 45.3 22.2 66.6

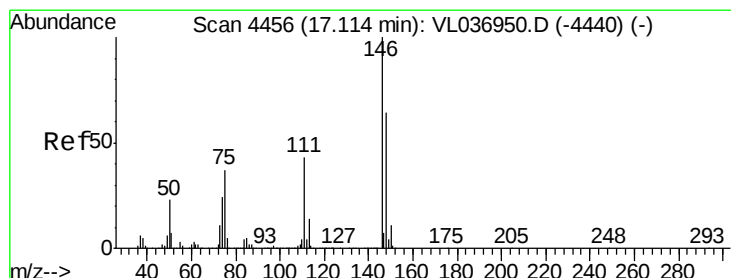
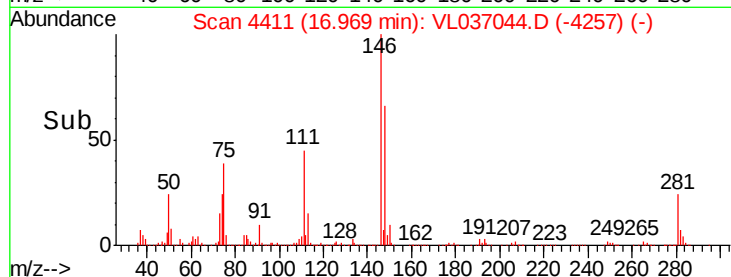
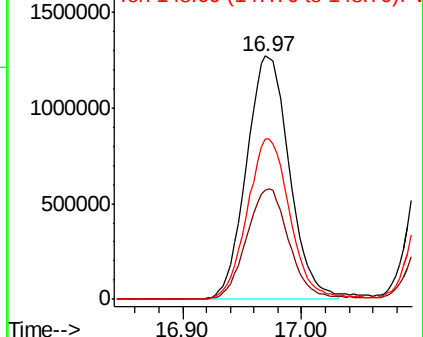
148 65.9 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.168 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

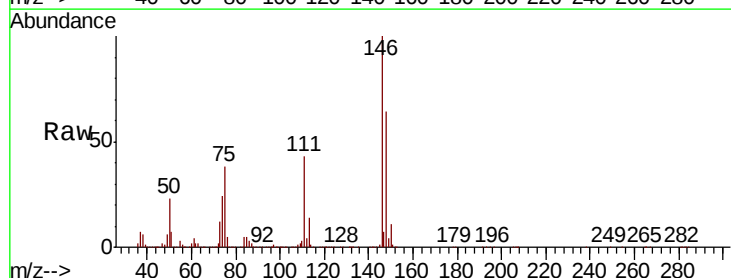
Tgt Ion:146 Resp: 3146912

Ion Ratio Lower Upper

146 100

111 44.6 22.6 67.7

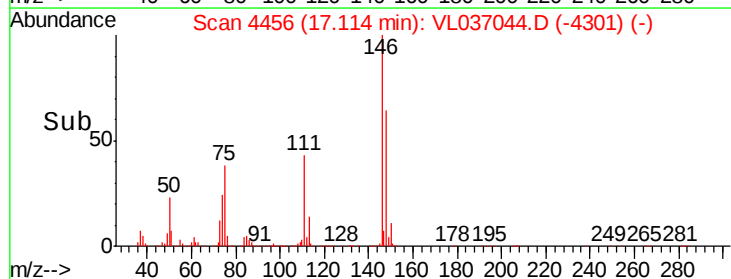
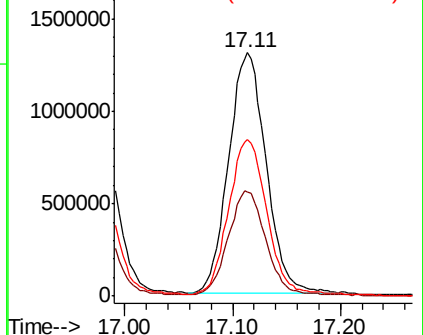
148 67.5 33.5 100.5

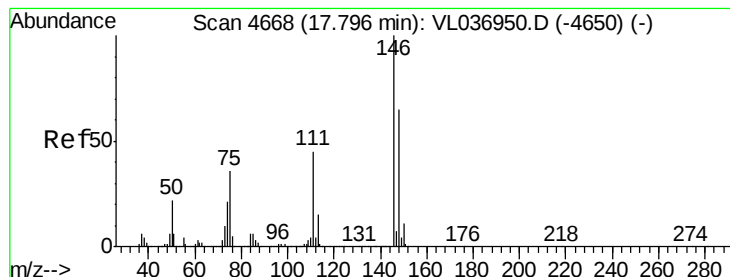


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.337 ppbv

RT: 17.79 min Scan# 4666

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

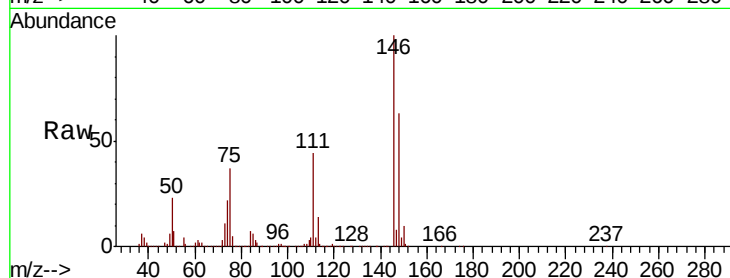
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3183285

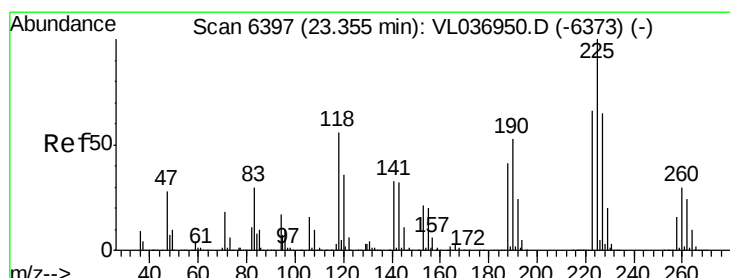
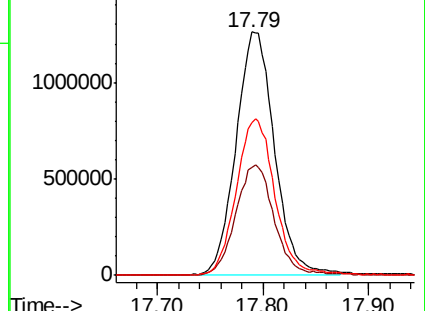
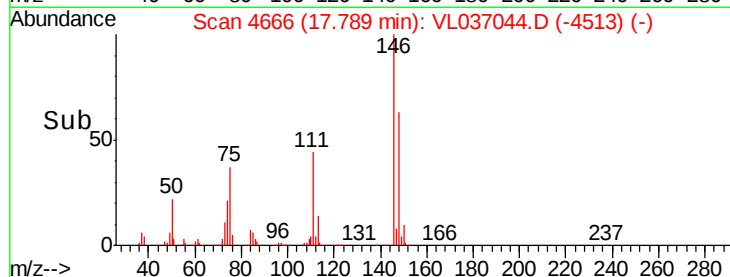
Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.1	69.2
148	65.3	32.5	97.4



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: 7.399 ppbv

RT: 23.35 min Scan# 6396

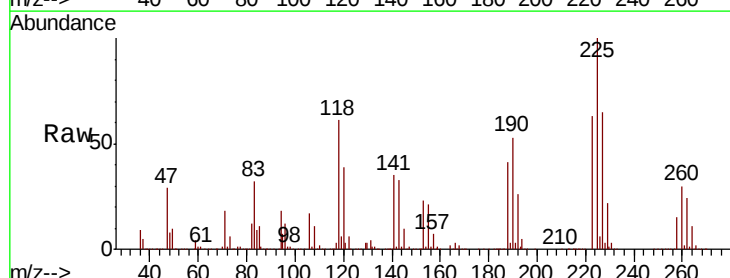
Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Tgt Ion:225 Resp: 2271655

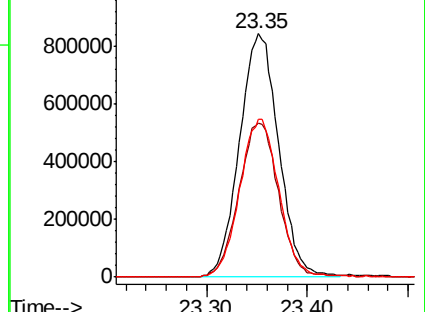
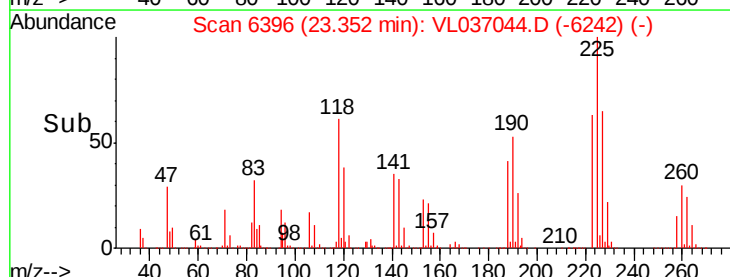
Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.9	77.9
227	65.4	51.8	77.6

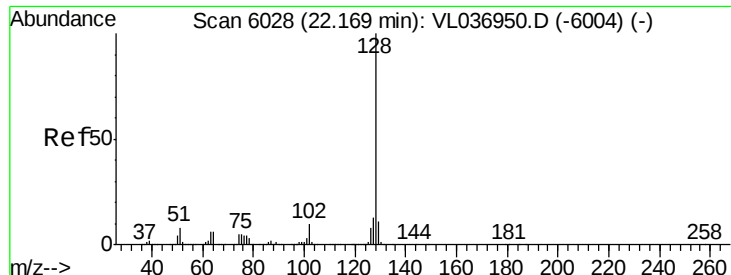


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.309 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

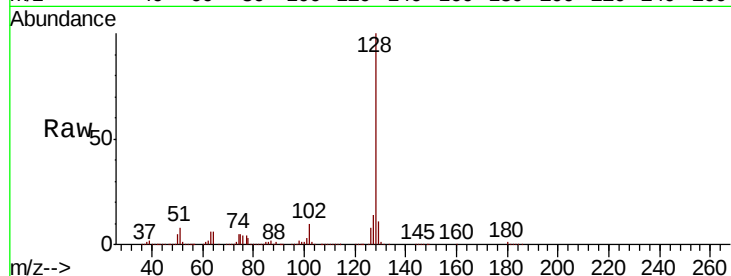
Tot Ion:128 Resp: 4557872

Ion Ratio Lower Upper

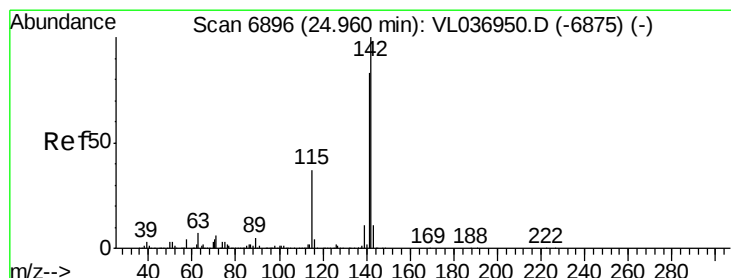
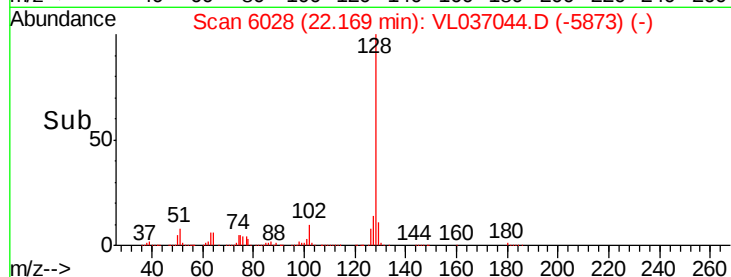
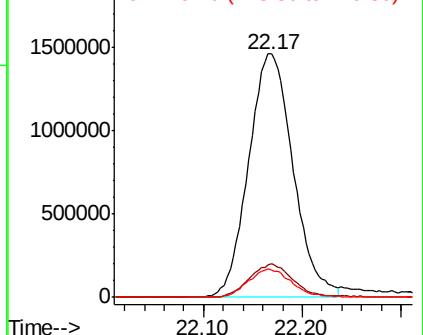
128 100

127 13.6 10.4 15.6

129 11.3 9.0 13.6



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: 9.440 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

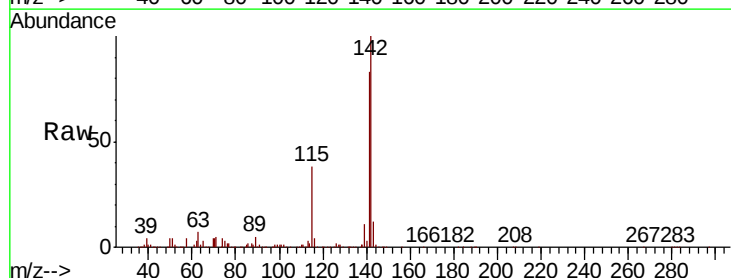
Tgt Ion:142 Resp: 1005067

Ion Ratio Lower Upper

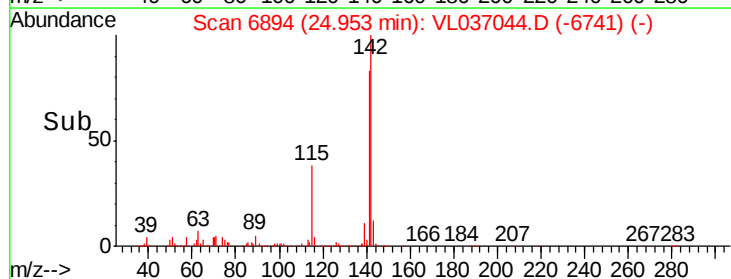
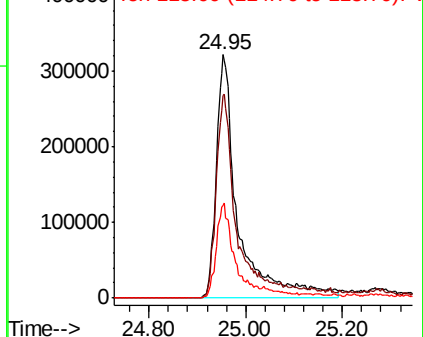
142 100

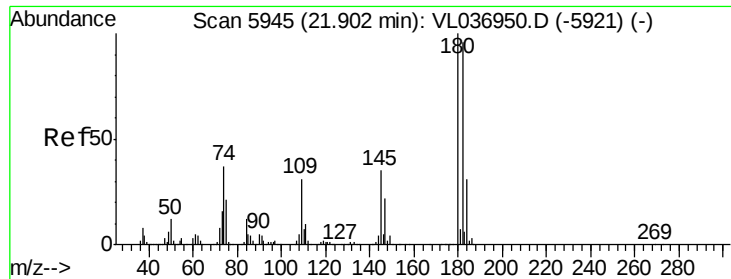
141 86.5 69.3 103.9

115 37.4 29.1 43.7



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: 8.821 ppbv

RT: 21.90 min Scan# 5944

Delta R.T. -0.00 min

Lab File: VL037044.D

Acq: 24 May 2021 10:13

Instrument :

MSVOA_L

ClientSampleId :

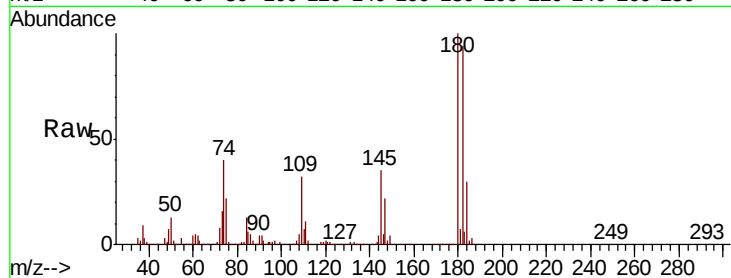
Tot Ion:180 Resp: 2632902

Ion Ratio Lower Upper

180 100

182 100.4 81.7 122.5

184 31.4 24.9 37.3



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

