

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037098.D
 Acq On : 2 Jun 2021 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 03 03:19:06 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	1436967	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4321708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	5086684	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3184872	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1893972	7.769	ppbv	99
3) Chlorodifluoromethane	2.97	51	2614843	9.933	ppbv	96
4) Chloromethane	3.12	50	897538	10.019	ppbv	96
5) Vinyl Chloride	3.24	62	965423	9.859	ppbv	99
6) Bromomethane	3.46	94	540839	10.482	ppbv	98
7) Chloroethane	3.55	64	350691	11.030	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	2364954	10.333	ppbv	96
9) Propene	3.00	41	837295	8.882	ppbv	99
10) Heptane	8.10	43	2138279	9.102	ppbv	99
11) Trichlorofluoromethane	3.93	101	2577398	11.423	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1745539	10.861	ppbv	94
13) Ethanol	3.60	45	37330	2.968	ppbv #	35
14) Bromoethene	3.72	108	768077	10.850	ppbv	99
15) Acetone	3.84	43	1305957	8.873	ppbv	95
16) 1,3-Butadiene	3.31	39	932220	10.195	ppbv	98
17) tert-Butyl alcohol	4.28	59	1247588	9.254	ppbv	99
18) 1,1-Dichloroethene	4.27	96	794144	10.686	ppbv	96
19) Isopropyl Alcohol	3.95	45	741393	9.371	ppbv #	37
20) Methylene Chloride	4.33	84	676818	8.579	ppbv	99
21) Allyl Chloride	4.39	41	1106237	9.963	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	800137	11.234	ppbv	99
23) Vinyl Acetate	5.06	43	2169211	9.285	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1632944	9.711	ppbv	99
25) Ethyl Acetate	5.66	43	3289543	9.301	ppbv	100
26) Hexane	5.67	57	1624882	8.993	ppbv	98
27) Carbon Disulfide	4.53	76	1745826	9.587	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1902724	8.786	ppbv	98
29) Chloroform	5.74	83	2639020	10.339	ppbv	96
30) Cyclohexane	7.11	84	1427150	9.295	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1612687	9.955	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2768725	10.101	ppbv	99
34) 2-Butanone	5.23	43	1526105	9.698	ppbv	100
35) Carbon Tetrachloride	7.00	117	2975925	10.364	ppbv	98
36) Benzene	6.87	78	3367946	9.047	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2000870	10.841	ppbv	99
38) Trichloroethene	7.82	130	1444881	9.073	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1285952	8.968	ppbv	95
40) 1,4-Dioxane	7.82	88	290270	8.573	ppbv #	100
41) Tetrahydrofuran	6.03	42	748450	8.351	ppbv	96
42) Bromodichloromethane	7.77	83	2842079	10.179	ppbv	99
43) Methyl Methacrylate	8.00	69	1207015	9.408	ppbv	97

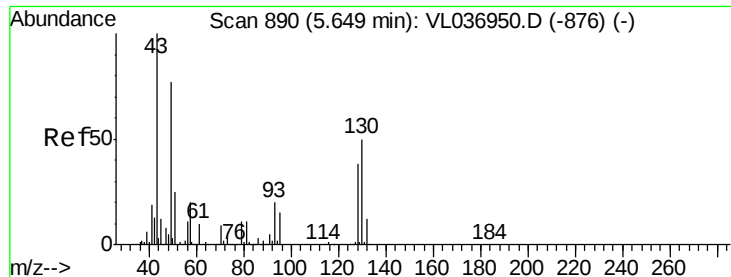
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5570481	8.722	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	971450	9.911	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1237693	9.388	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1449273	9.656	ppbv	97
48) Dibromochloromethane	10.28	129	2591144	10.662	ppbv	100
49) Bromoform	13.02	173	2157547	10.750	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2397508	9.233	ppbv	99
51) 2-Hexanone	10.12	43	1275735	9.293	ppbv #	97
52) Tetrachloroethene	11.20	164	1400509	9.461	ppbv	98
53) Toluene	9.78	91	4052575	9.149	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2165257	10.147	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1775901	8.297	ppbv #	56
57) Chlorobenzene	12.13	112	3097430	7.853	ppbv	97
58) Ethyl Benzene	12.69	91	5440182	7.578	ppbv	98
59) m/p-Xylene	12.98	91	4656374	7.846	ppbv #	34
60) o-Xylene	13.67	91	4393874	7.763	ppbv	99
61) Styrene	13.51	104	2569044	8.057	ppbv	99
62) Isopropylbenzene	14.64	105	6211243	7.636	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2987106	7.067	ppbv	99
64) n-propylbenzene	15.55	120	1703701	8.118	ppbv	99
65) tert-Butylbenzene	16.73	119	5724640	7.799	ppbv	99
66) Benzyl Chloride	16.97	91	263373	6.467	ppbv	96
67) sec-Butylbenzene	17.27	105	7665597	7.656	ppbv	99
69) p-Isopropyltoluene	17.63	119	6813486	7.914	ppbv	99
70) n-Butylbenzene	18.53	91	6603770	8.075	ppbv	99
71) 2-Chlorotoluene	15.43	91	4566909	7.773	ppbv	99
72) 4-Ethyltoluene	15.82	105	5469993	8.143	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5040132	7.990	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	5263744	8.070	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	3279847	8.235	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3211896	7.976	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3198115	8.014	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2320287	7.230	ppbv	100
79) Naphthalene	22.17	128	4577555	8.944	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1023200	9.194	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	2603543	8.345	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

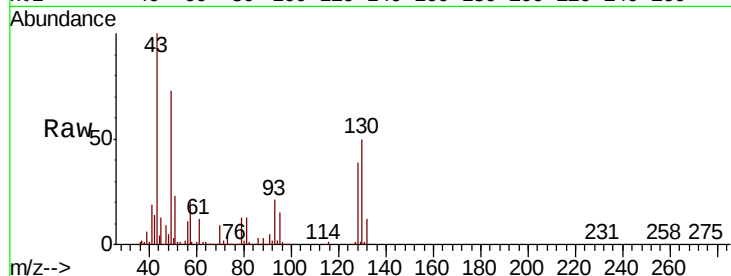
Tot Ion: 49 Resp: 1436967

Ion Ratio Lower Upper

49 100

128 58.5 26.9 80.7

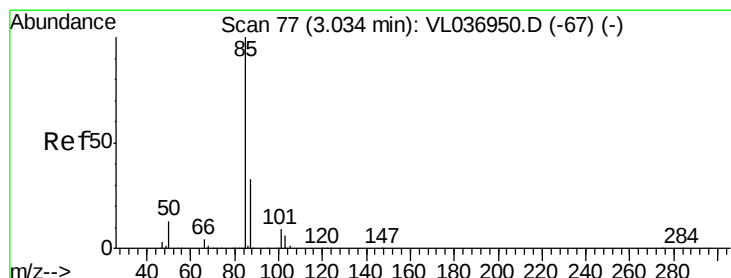
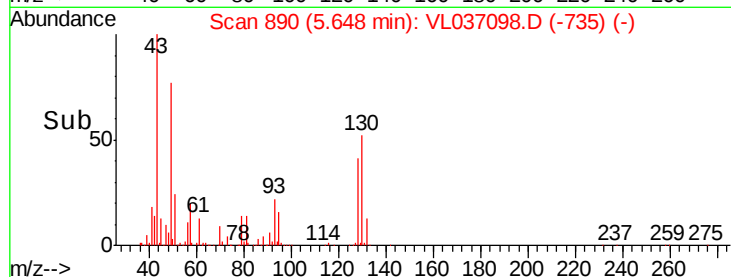
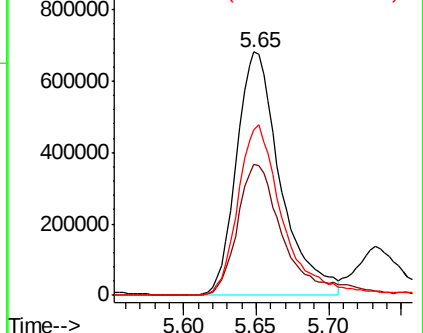
130 72.6 33.8 101.4



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: 7.769 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037098.D

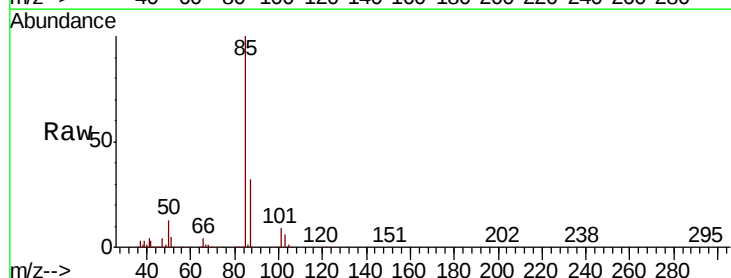
Acq: 2 Jun 2021 11:10

Tgt Ion: 85 Resp: 1893972

Ion Ratio Lower Upper

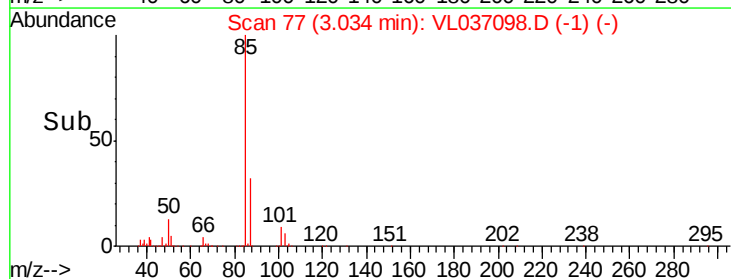
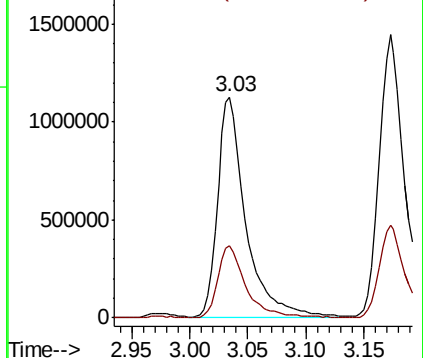
85 100

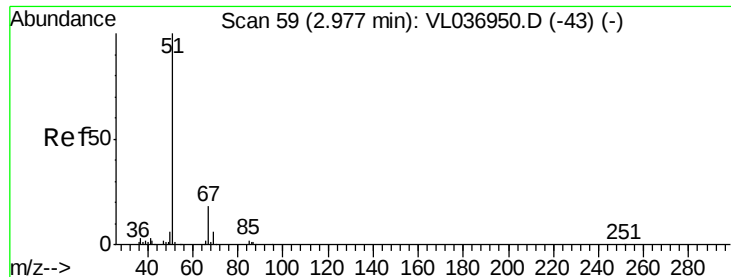
87 32.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.933 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

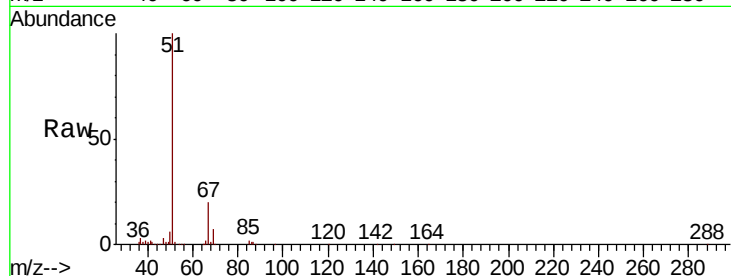
ClientSampleId :

Tot Ion: 51 Resp: 2614843

Ion Ratio Lower Upper

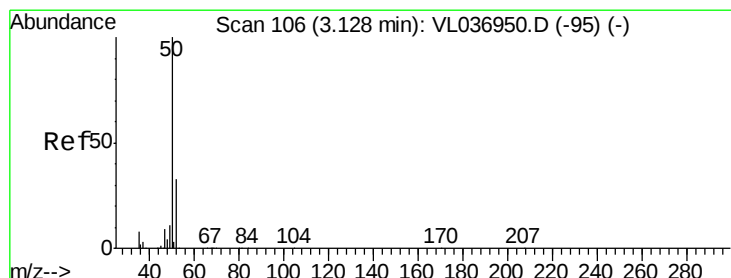
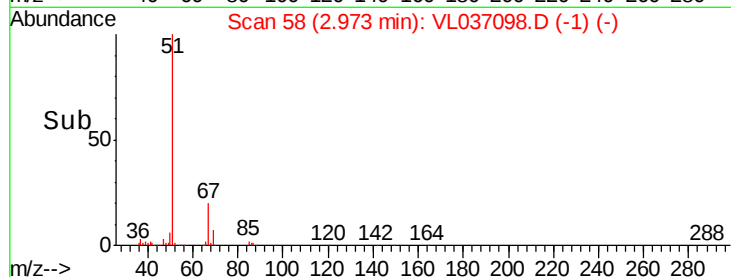
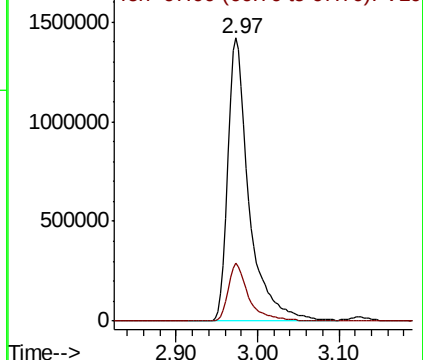
51 100

67 20.0 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: 10.019 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037098.D

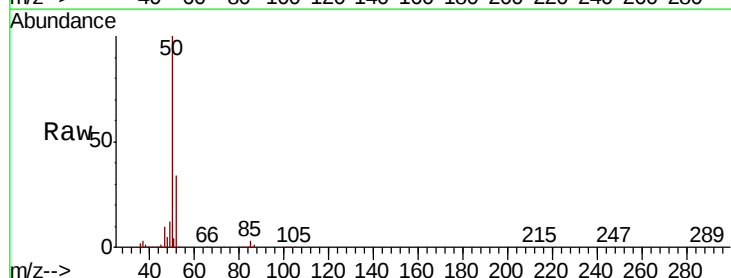
Acq: 2 Jun 2021 11:10

Tgt Ion: 50 Resp: 897538

Ion Ratio Lower Upper

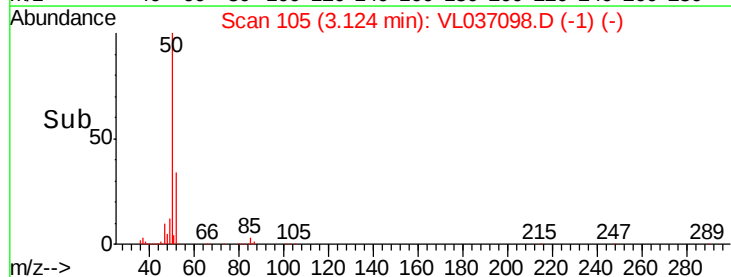
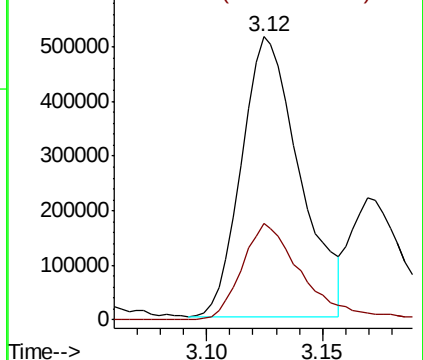
50 100

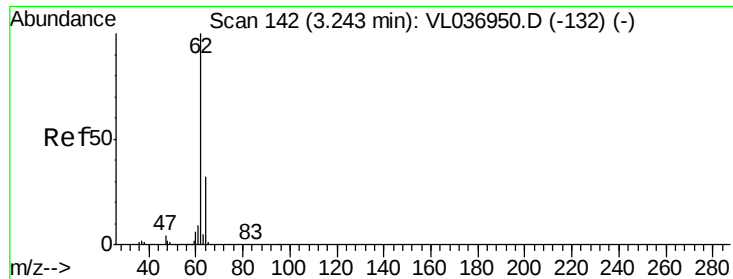
52 34.6 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.859 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

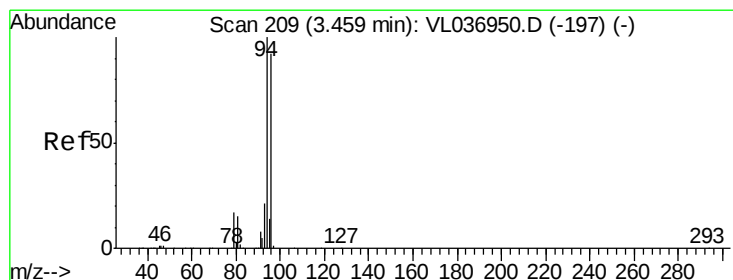
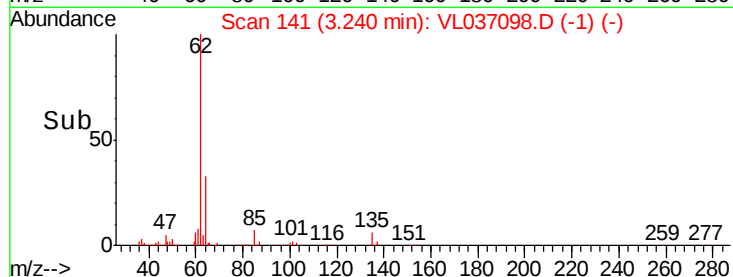
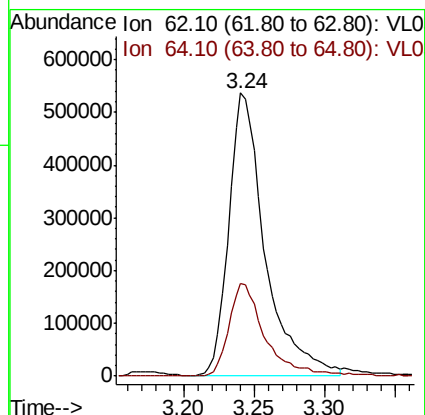
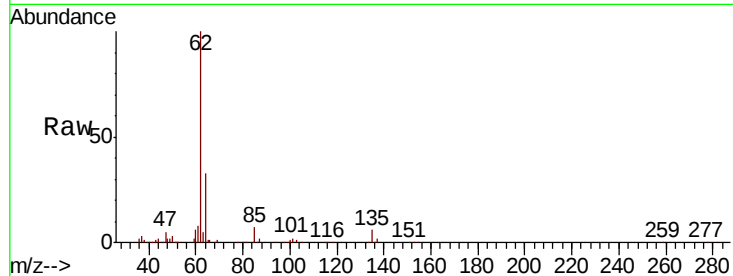
ClientSampleId :

Tot Ion: 62 Resp: 965423

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9



#6

Bromomethane

Concen: 10.482 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037098.D

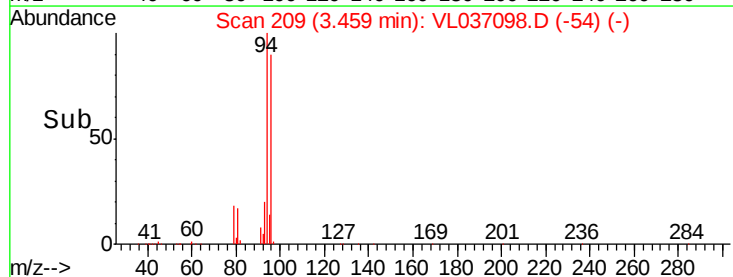
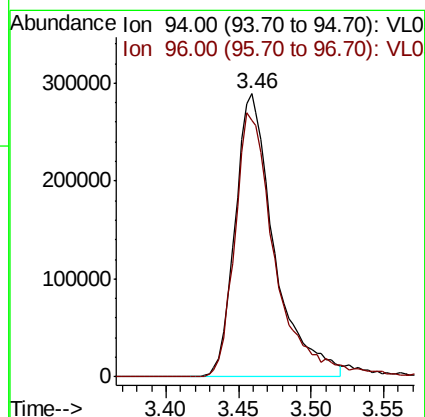
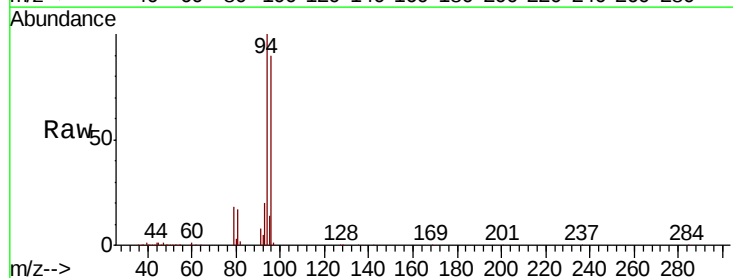
Acq: 2 Jun 2021 11:10

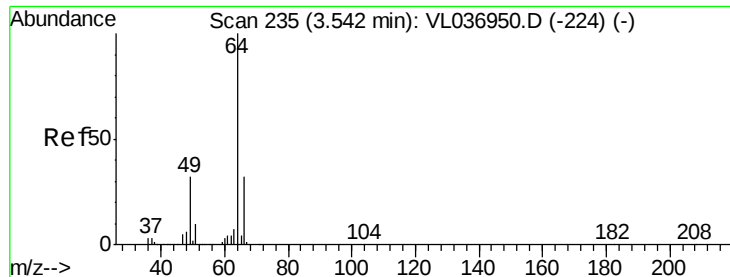
Tgt Ion: 94 Resp: 540839

Ion Ratio Lower Upper

94 100

96 90.4 74.0 111.0





#7

Chloroethane

Concen: 11.030 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

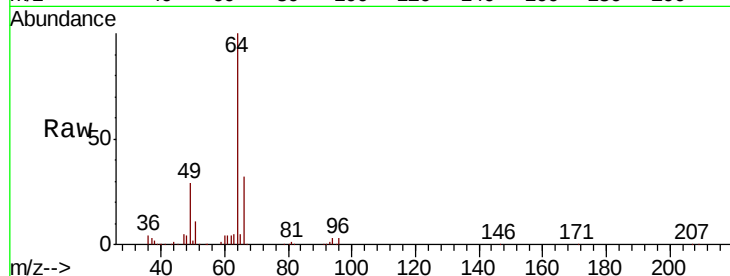
ClientSampleId :

Tot Ion: 64 Resp: 350691

Ion Ratio Lower Upper

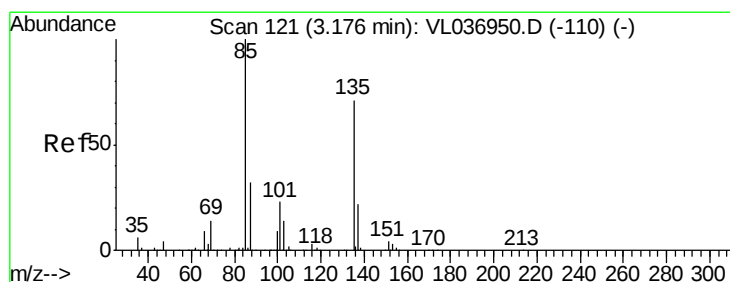
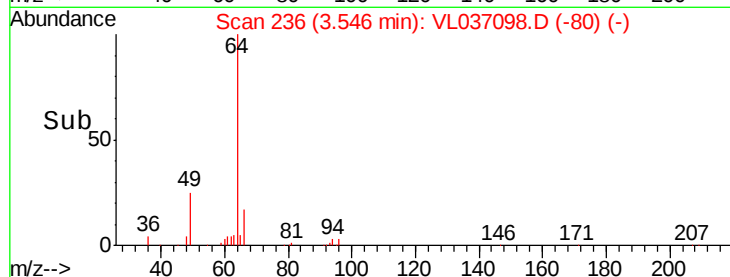
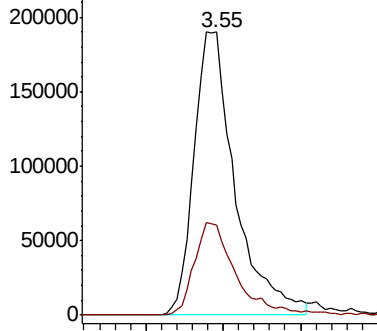
64 100

66 31.7 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: 10.333 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.00 min

Lab File: VL037098.D

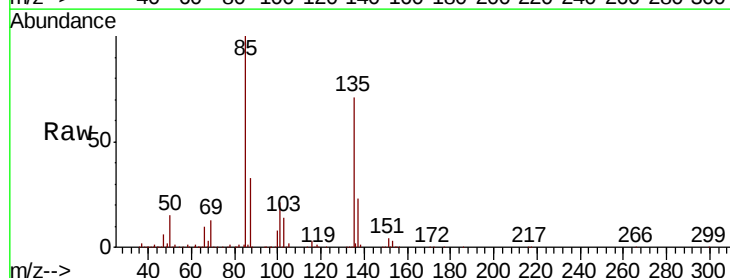
Acq: 2 Jun 2021 11:10

Tgt Ion: 85 Resp: 2364954

Ion Ratio Lower Upper

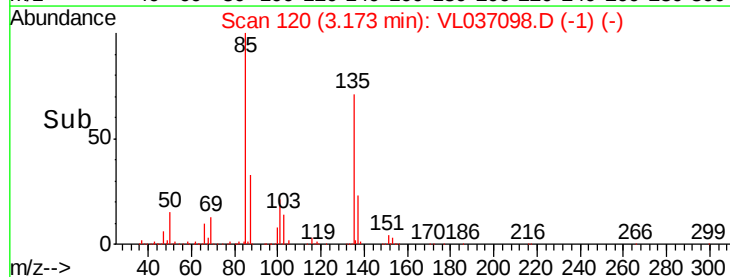
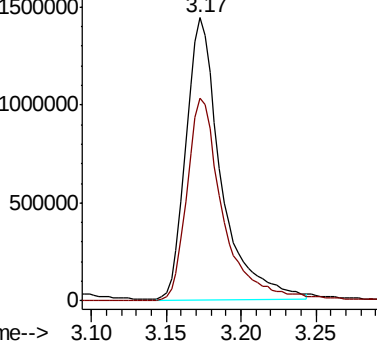
85 100

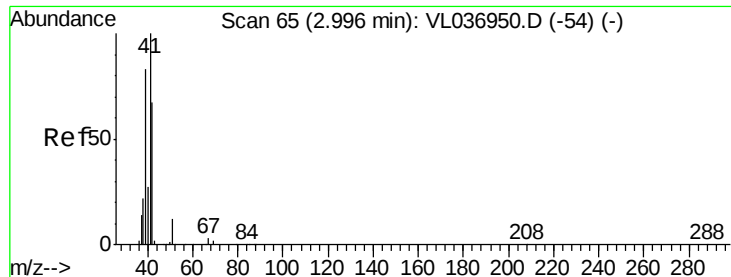
135 75.2 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.882 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

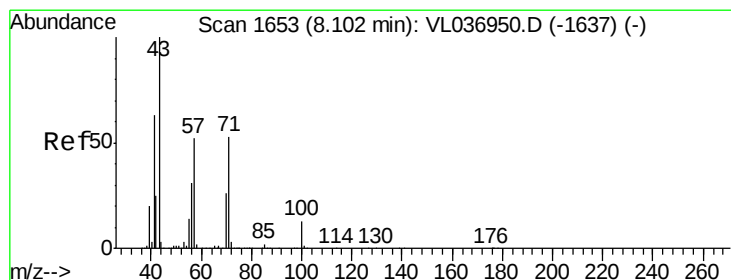
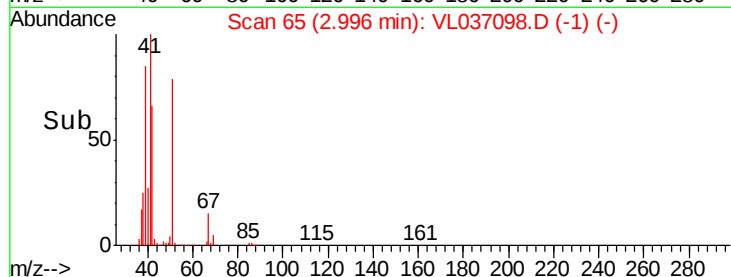
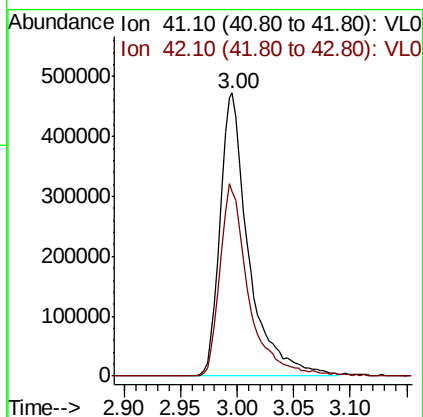
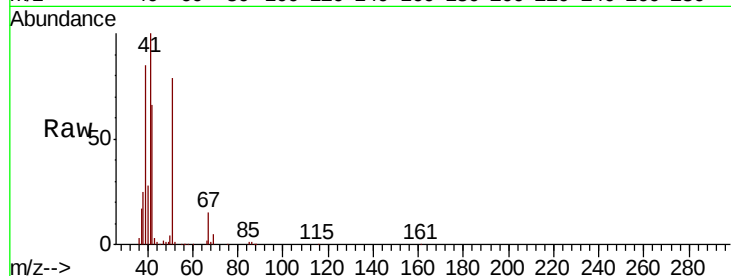
ClientSampled :

Tot Ion: 41 Resp: 837295

Ion Ratio Lower Upper

41 100

42 68.1 53.9 80.9



#10

Heptane

Concen: 9.102 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037098.D

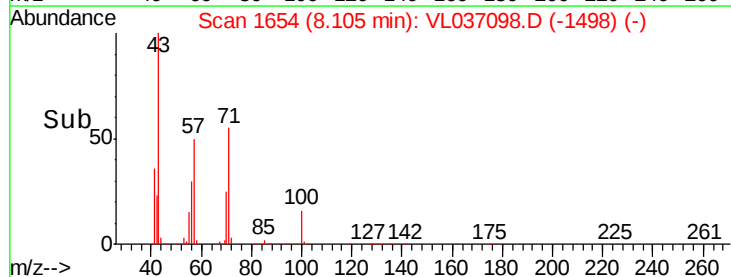
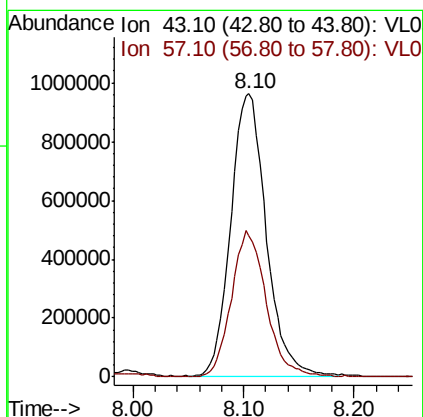
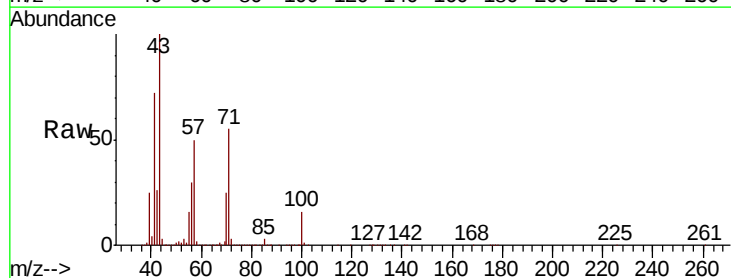
Acq: 2 Jun 2021 11:10

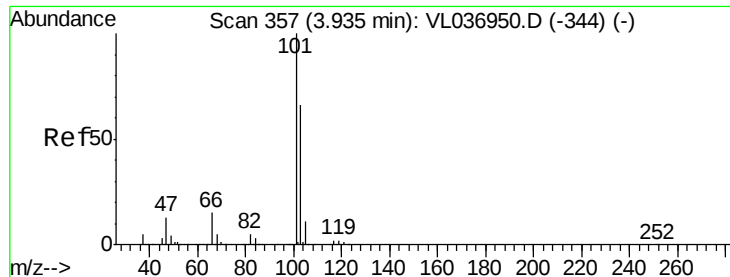
Tgt Ion: 43 Resp: 2138279

Ion Ratio Lower Upper

43 100

57 50.7 41.0 61.6





#11

Trichlorofluoromethane

Concen: 11.423 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

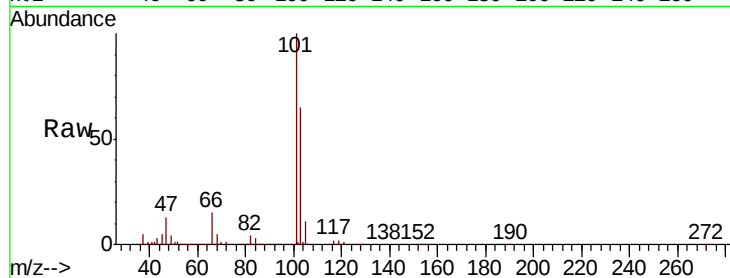
ClientSampleId :

Tot Ion:101 Resp: 2577398

Ion Ratio Lower Upper

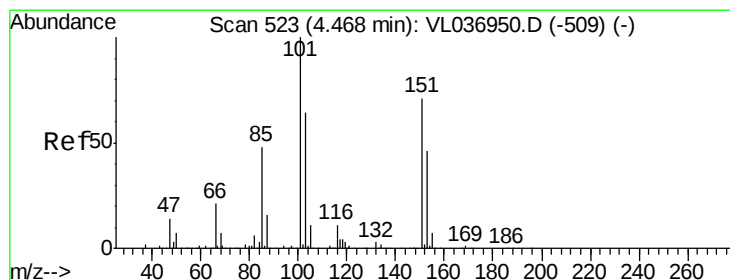
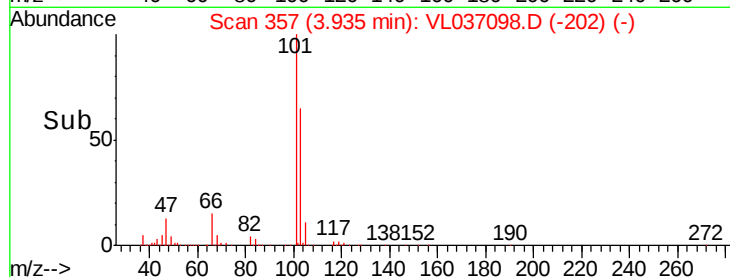
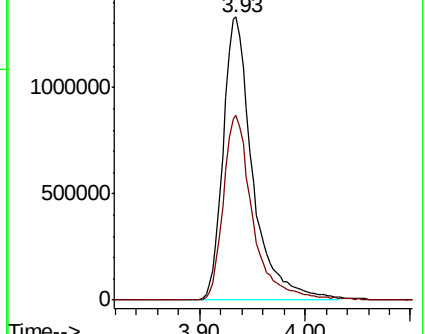
101 100

103 65.3 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: 10.861 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037098.D

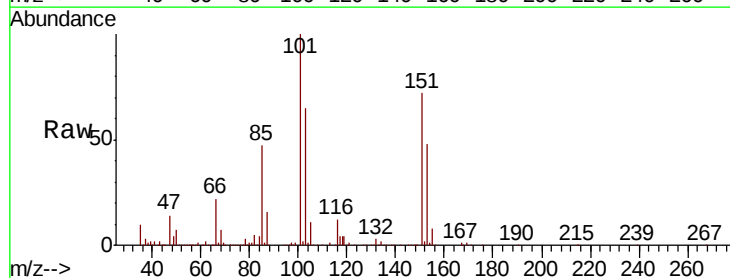
Acq: 2 Jun 2021 11:10

Tgt Ion:101 Resp: 1745539

Ion Ratio Lower Upper

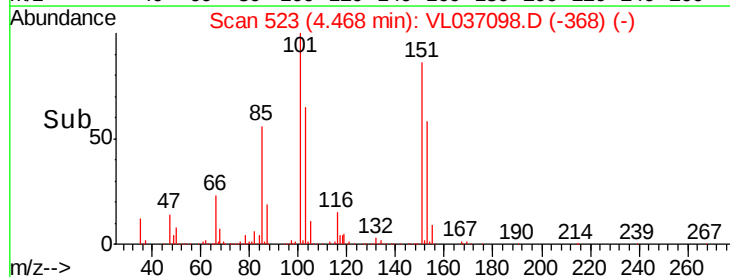
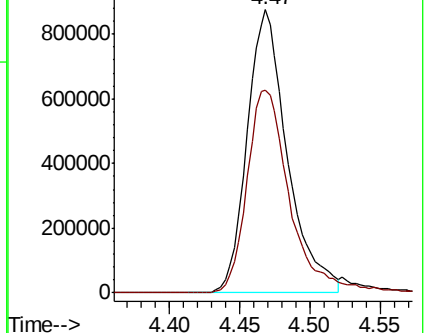
101 100

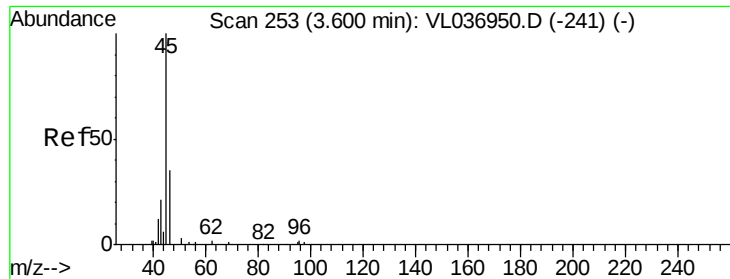
151 77.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

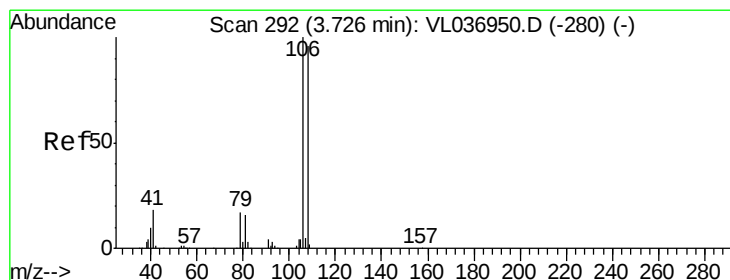
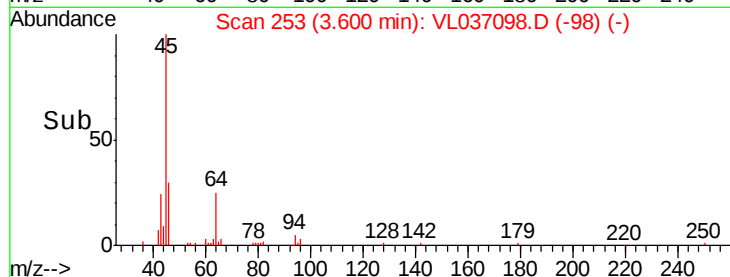
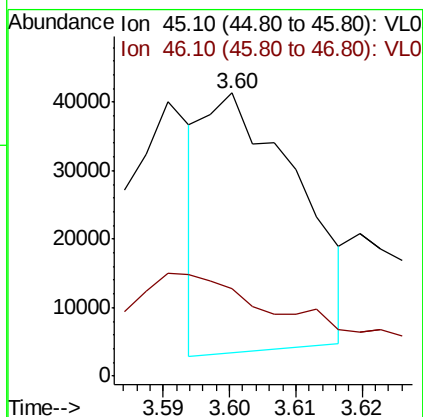
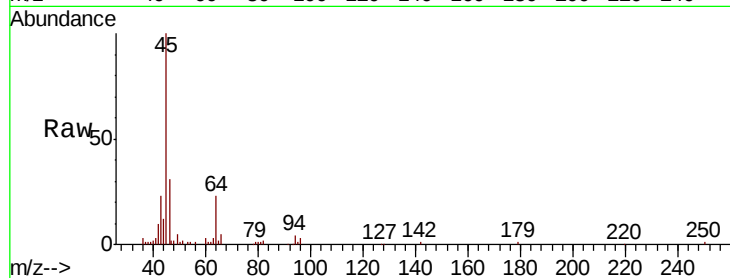




#13
Ethanol
Concen: 2.968 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

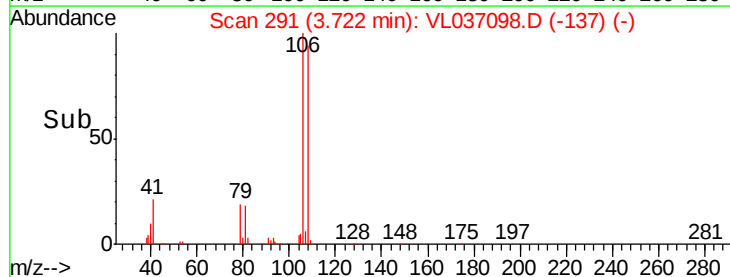
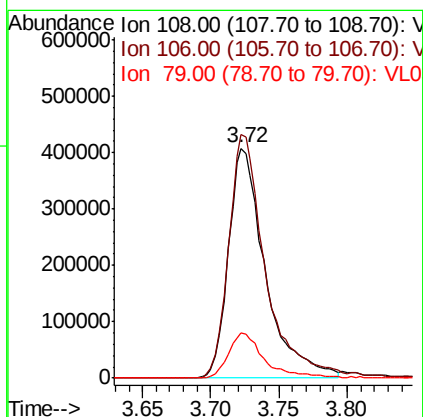
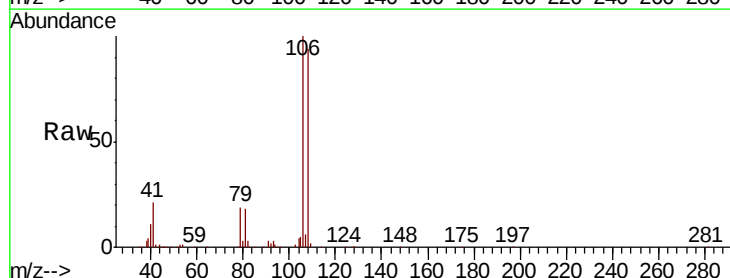
Instrument :
MSVOA_L
ClientSampleId :

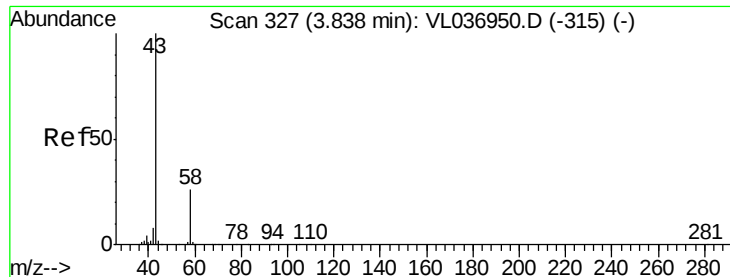
Tot Ion: 45 Resp: 37330
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#14
Bromoethene
Concen: 10.850 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 108 Resp: 768077
Ion Ratio Lower Upper
108 100
106 107.5 86.5 129.7
79 19.8 15.0 22.4





#15

Acetone

Concen: 8.873 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

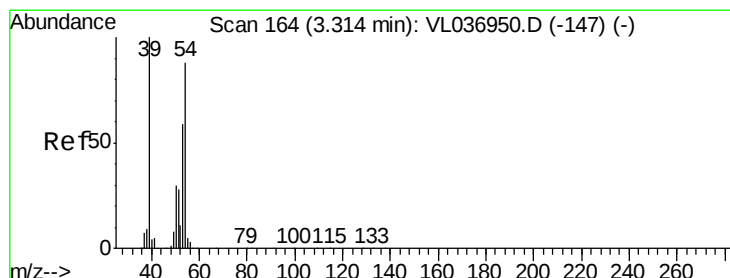
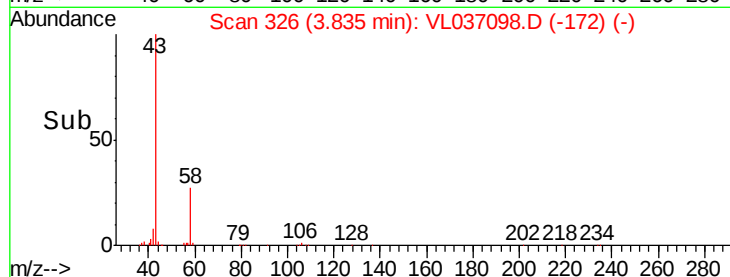
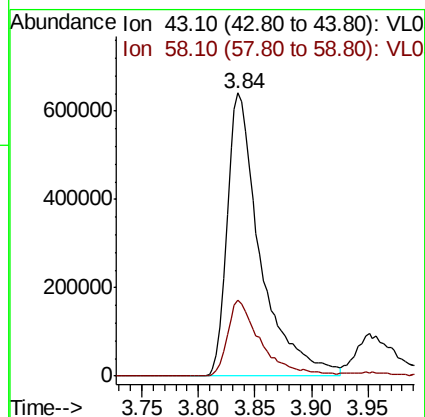
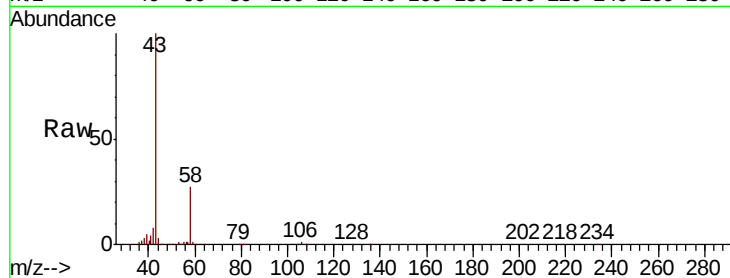
ClientSampleId :

Tot Ion: 43 Resp: 1305957

Ion Ratio Lower Upper

43 100

58 27.1 24.0 36.0



#16

1,3-Butadiene

Concen: 10.195 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL037098.D

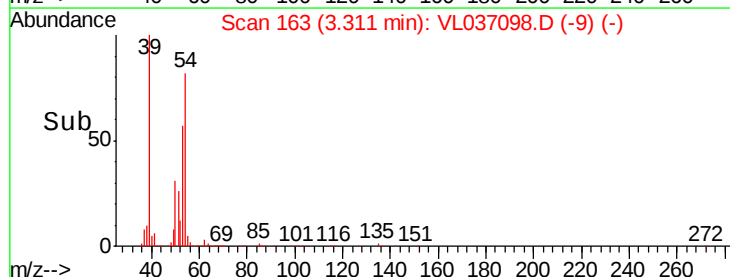
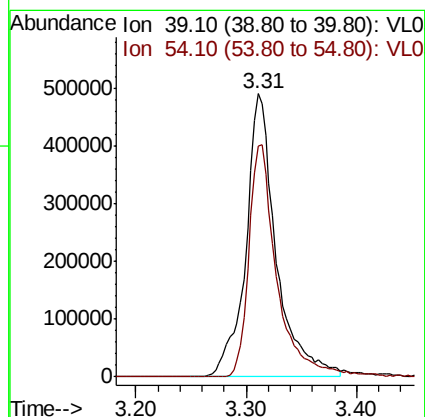
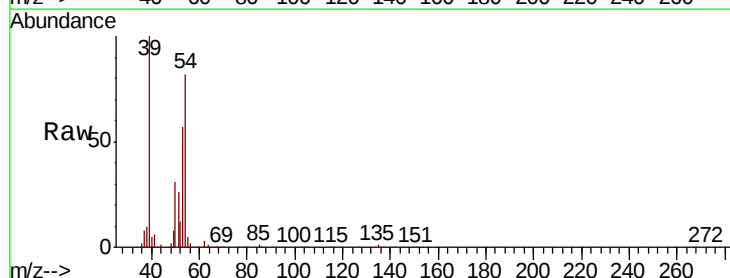
Acq: 2 Jun 2021 11:10

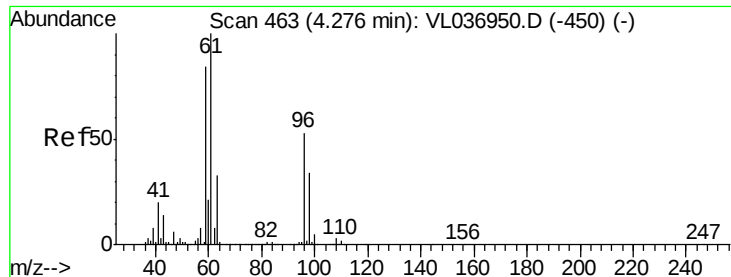
Tgt Ion: 39 Resp: 932220

Ion Ratio Lower Upper

39 100

54 76.8 63.2 94.8



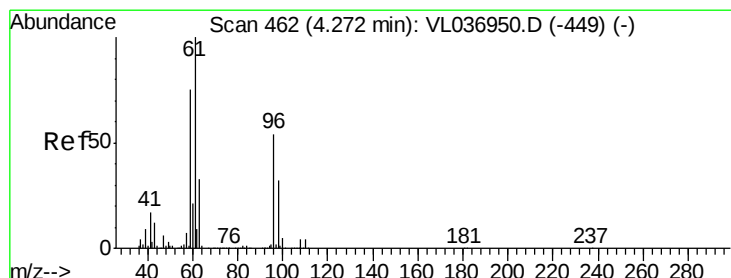
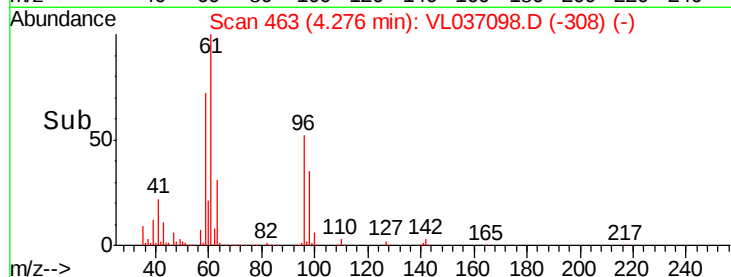
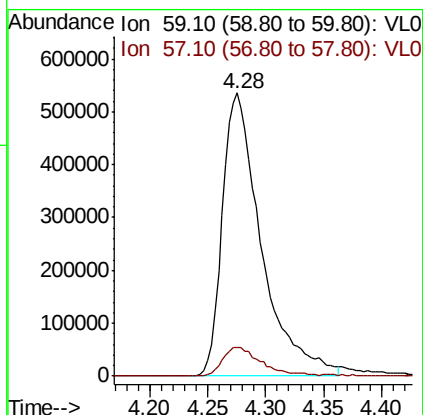
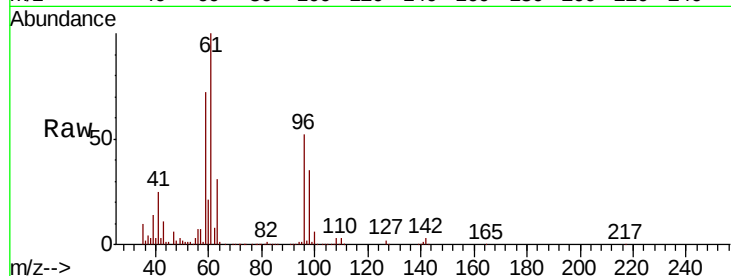


#17

tert-Butyl alcohol
Concen: 9.254 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :

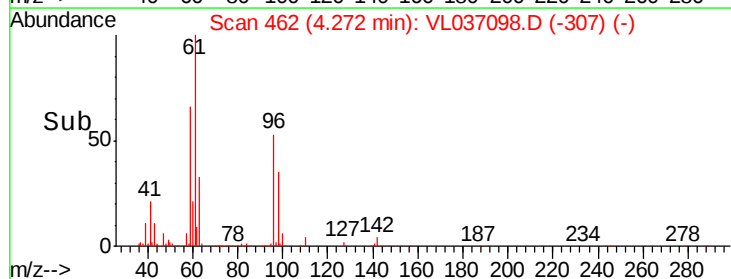
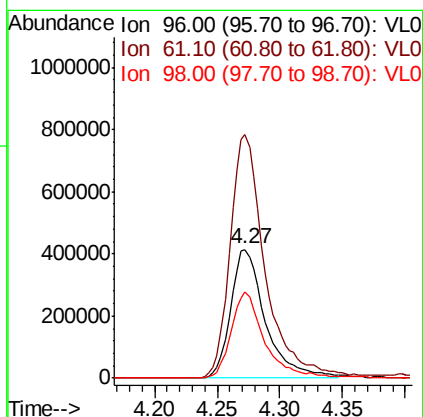
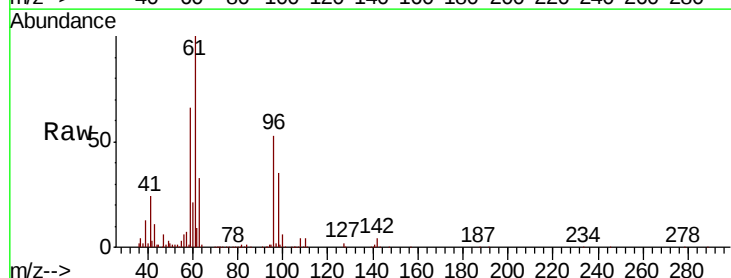
Tot Ion: 59 Resp: 1247588
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

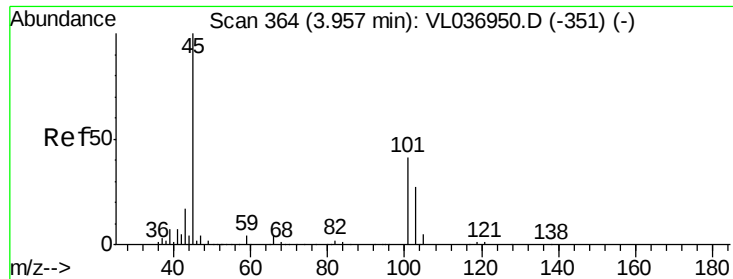


#18

1,1-Dichloroethene
Concen: 10.686 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 96 Resp: 794144
Ion Ratio Lower Upper
96 100
61 188.8 148.2 222.4
98 67.0 47.8 71.6

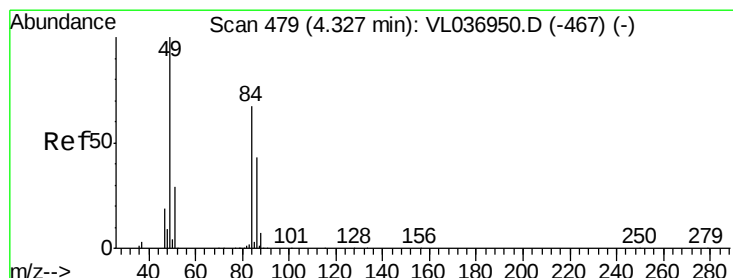
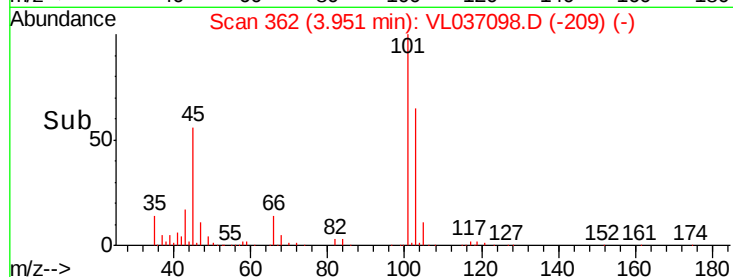
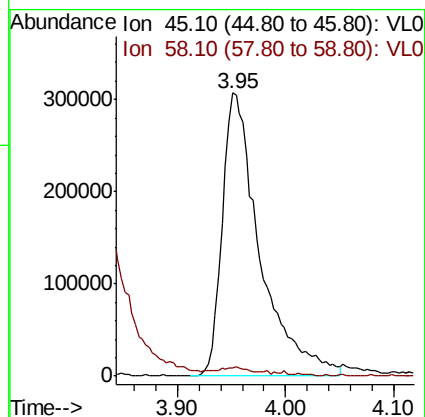
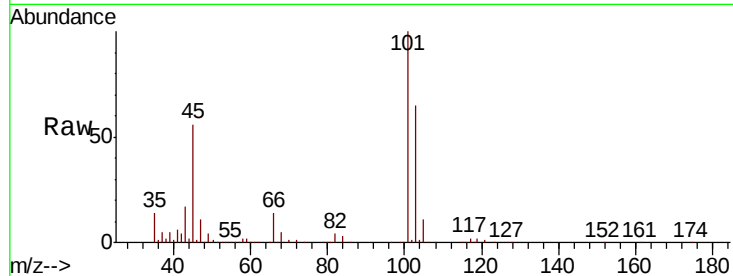




#19
Isopropyl Alcohol
Concen: 9.371 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

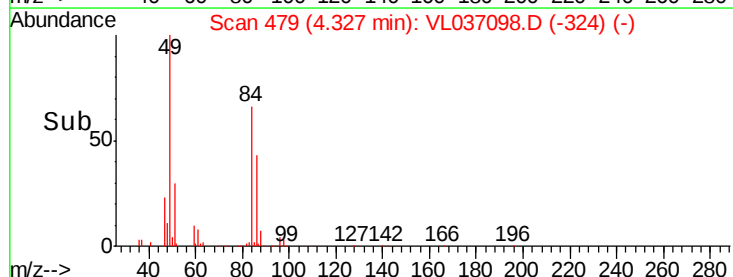
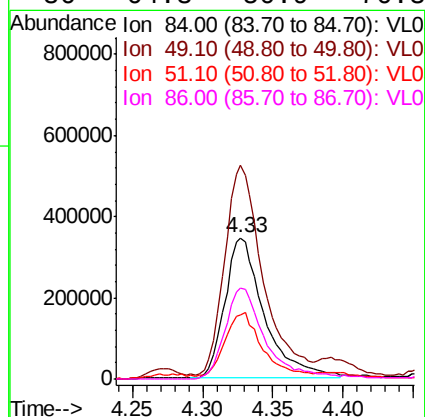
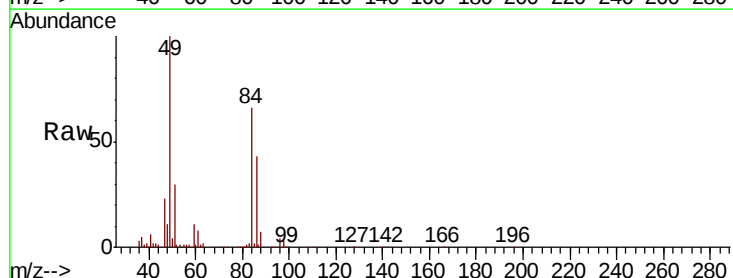
Instrument :
MSVOA_L
ClientSampleId :

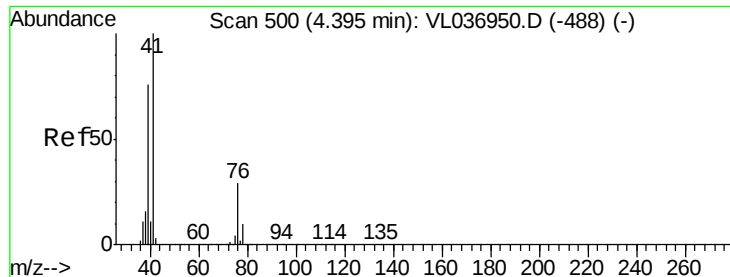
Tot Ion: 45 Resp: 741393
Ion Ratio Lower Upper
45 100
58 4.6 37.2 55.8#



#20
Methylene Chloride
Concen: 8.579 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 84 Resp: 676818
Ion Ratio Lower Upper
84 100
49 148.6 119.8 179.6
51 42.8 35.1 52.7
86 64.3 50.9 76.3





#21

Allvl Chloride

Concen: 9.963 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

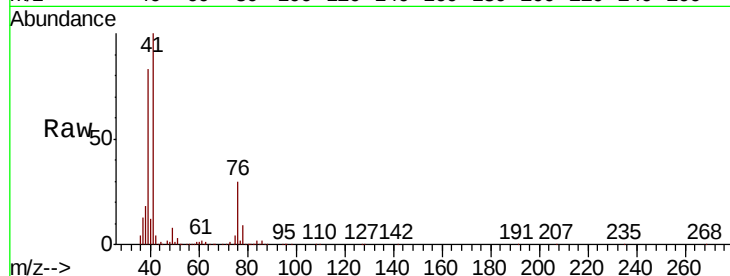
Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1106237

Ion	Ratio	Lower	Upper
41	100		
76	31.6	24.9	37.3
39	83.7	63.7	95.5

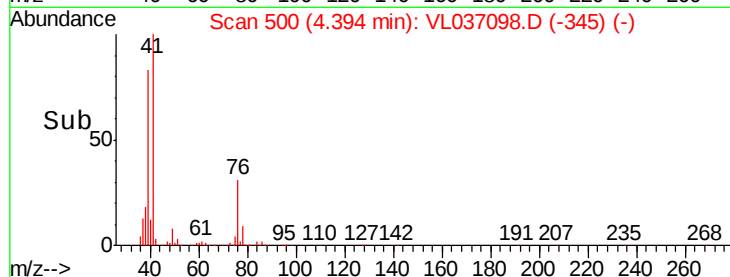


Abundance

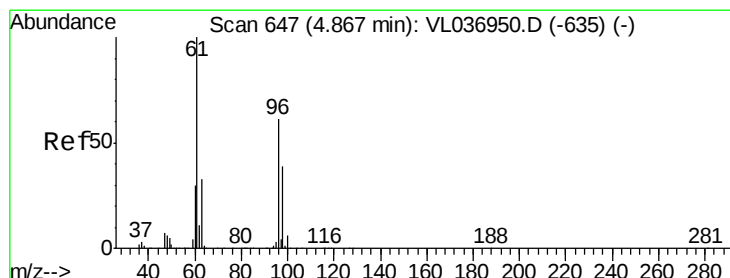
Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



Time-->



#22

trans-1,2-Dichloroethene

Concen: 11.234 ppbv

RT: 4.87 min Scan# 647

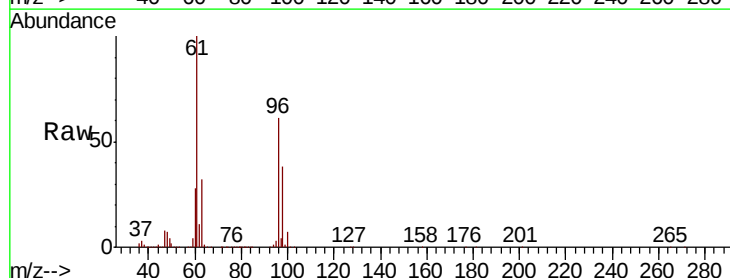
Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Tgt Ion: 96 Resp: 800137

Ion	Ratio	Lower	Upper
96	100		
61	163.6	130.6	196.0
98	62.4	50.8	76.2

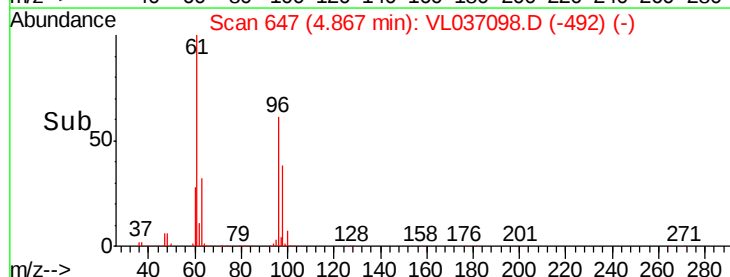


Abundance

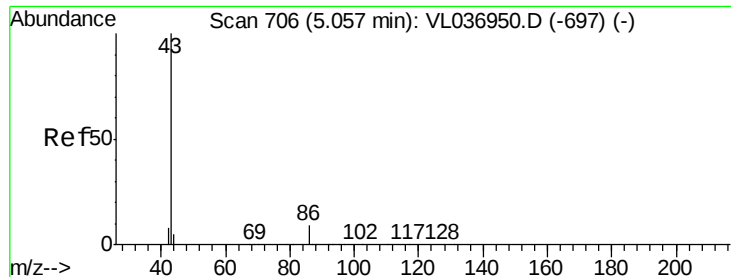
Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#23

Vinyl Acetate

Concen: 9.285 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

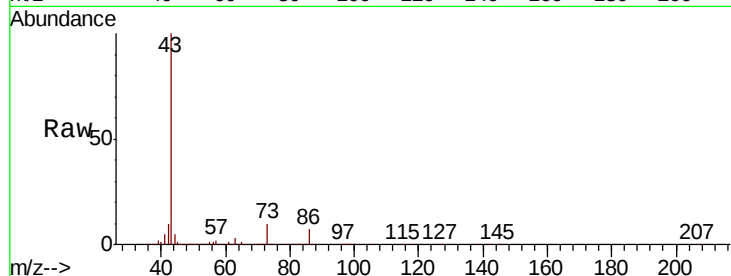
Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

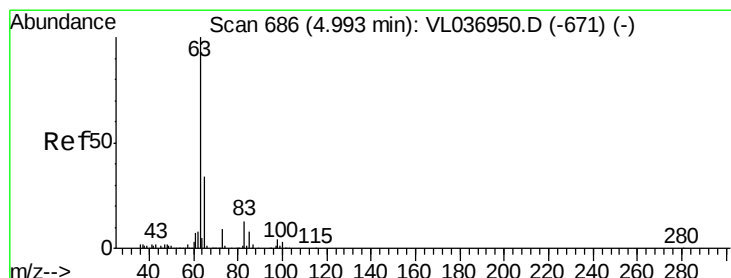
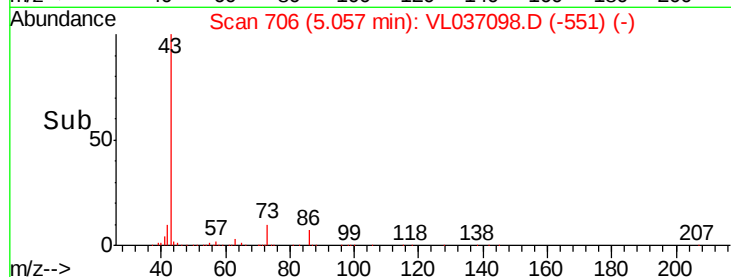
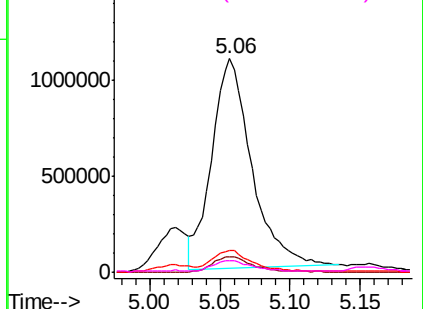
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2169211

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.8
42	10.1	7.4	11.2
44	4.6	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: 9.711 ppbv

RT: 4.99 min Scan# 686

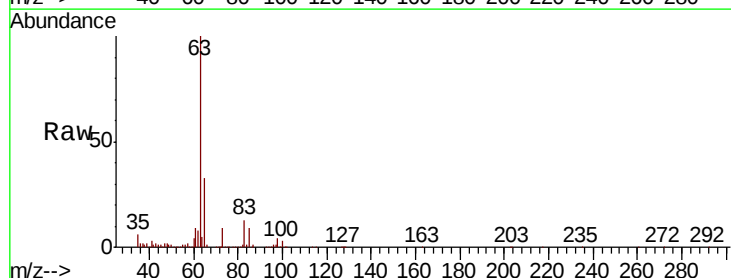
Delta R.T. -0.00 min

Lab File: VL037098.D

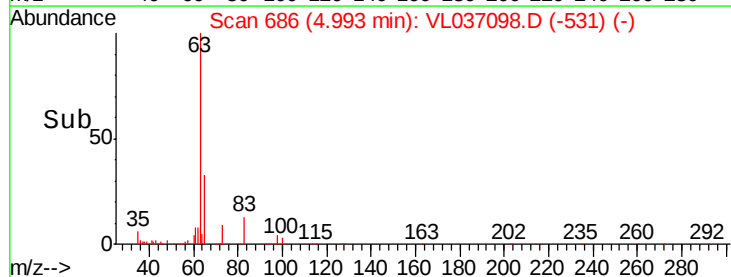
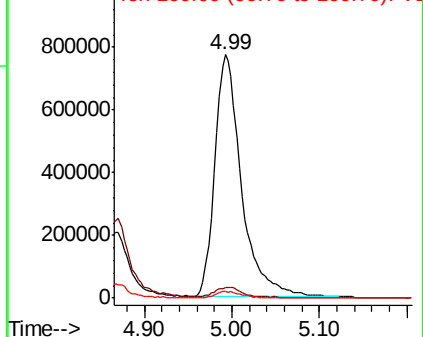
Acq: 2 Jun 2021 11:10

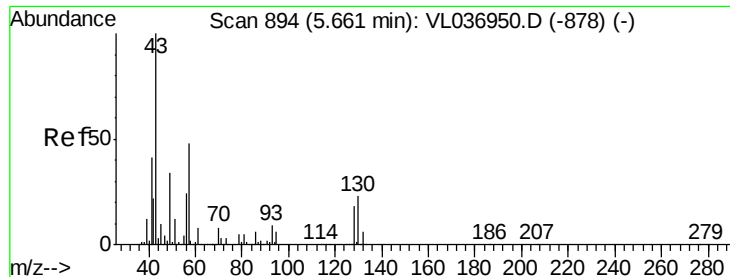
Tgt Ion: 63 Resp: 1632944

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	3.0	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: 9.301 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

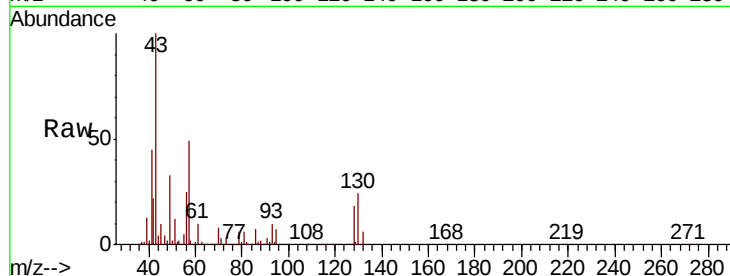
Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3289543

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.6	7.8	11.8
70	7.2	5.6	8.4



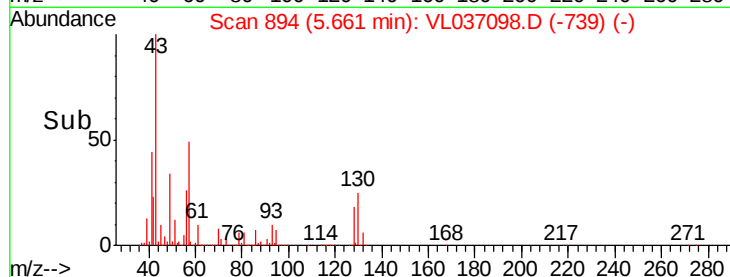
Abundance

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



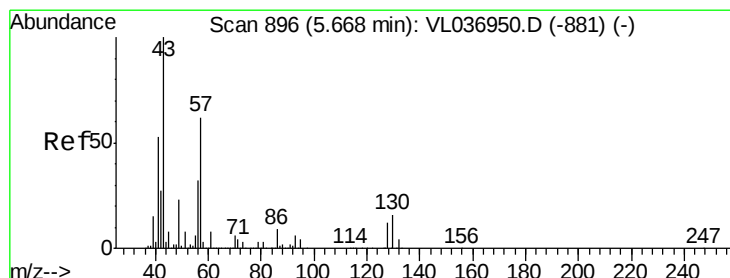
Abundance

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: 8.993 ppbv

RT: 5.67 min Scan# 896

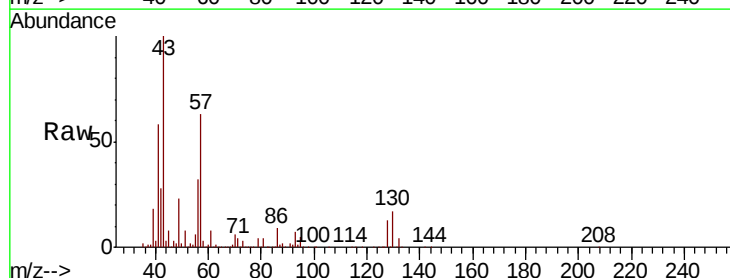
Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Tgt Ion: 57 Resp: 1624882

Ion	Ratio	Lower	Upper
57	100		
41	92.8	70.5	105.7
43	206.5	165.8	248.8
56	53.0	42.2	63.4



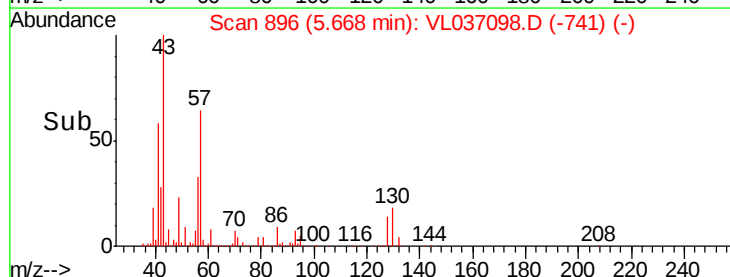
Abundance

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



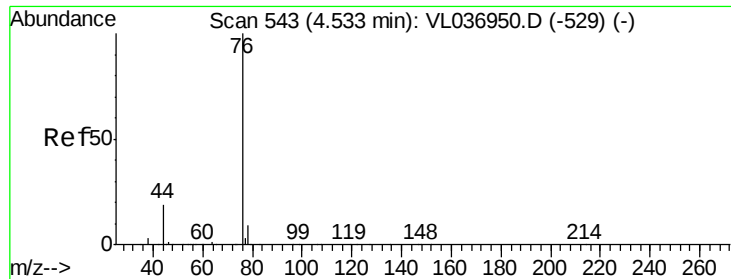
Abundance

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

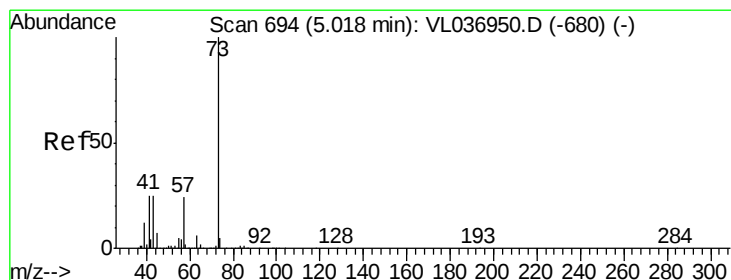
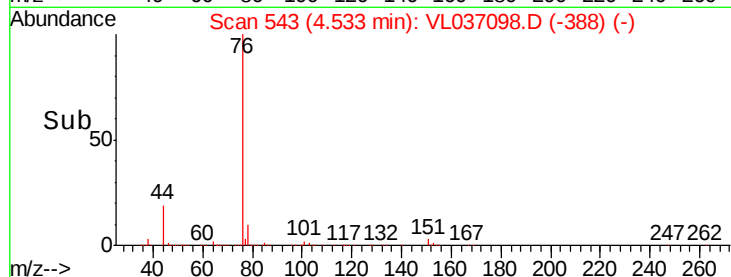
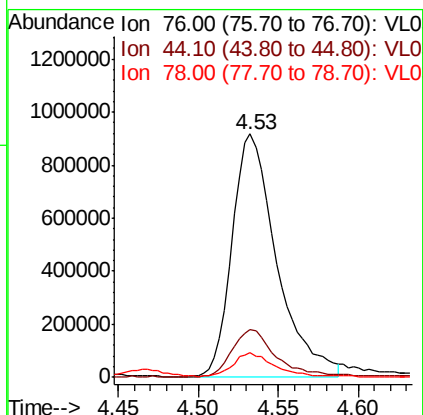
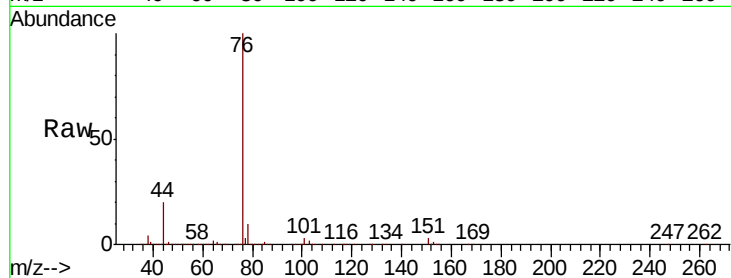
Ion 56.10 (55.80 to 56.80): VL0



#27
Carbon Disulfide
Concen: 9.587 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

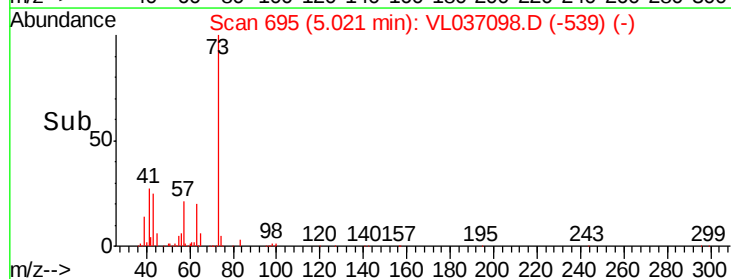
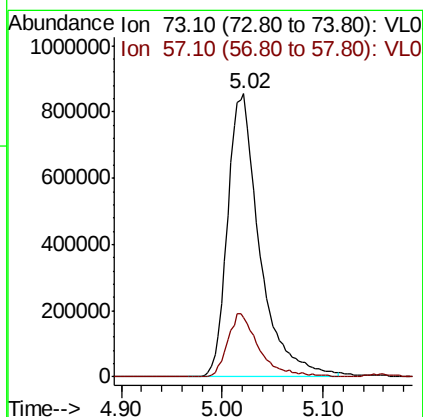
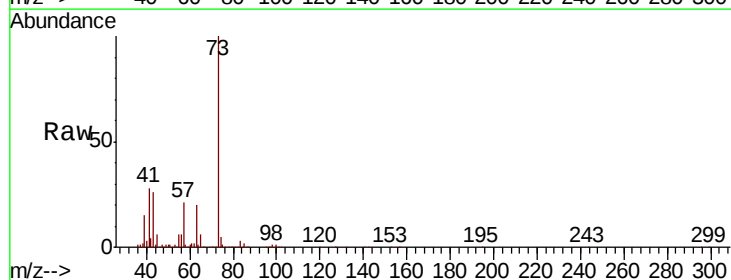
Instrument :
MSVOA_L
ClientSampleId :

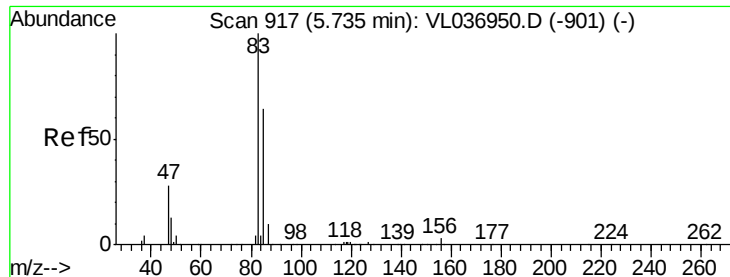
Tot Ion: 76 Resp: 1745826
Ion Ratio Lower Upper
76 100
44 19.7 15.5 23.3
78 10.2 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 8.786 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 73 Resp: 1902724
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5





#29

Chloroform

Concen: 10.339 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

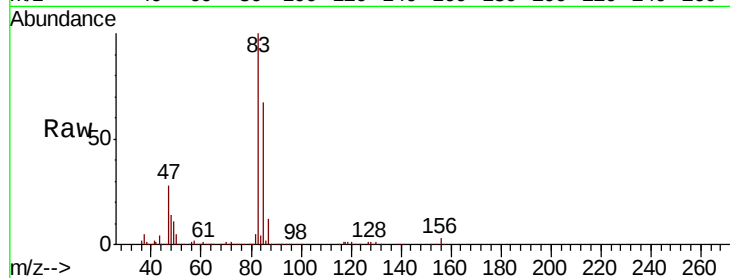
ClientSampleId :

Tot Ion: 83 Resp: 2639020

Ion Ratio Lower Upper

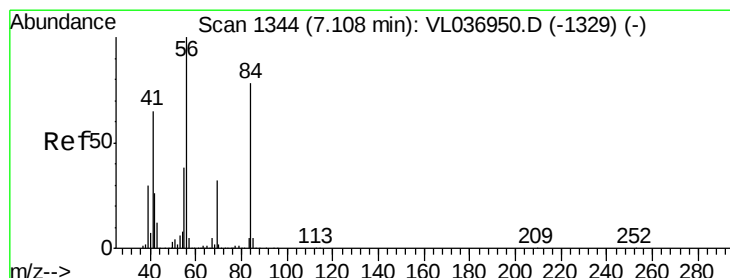
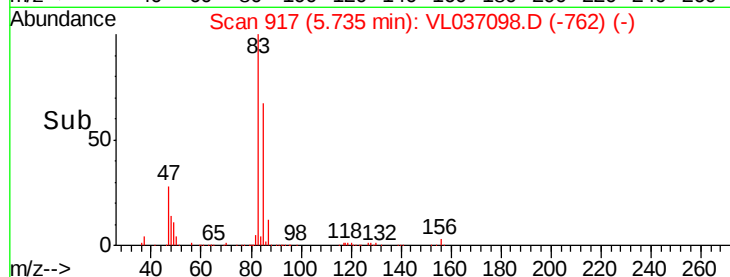
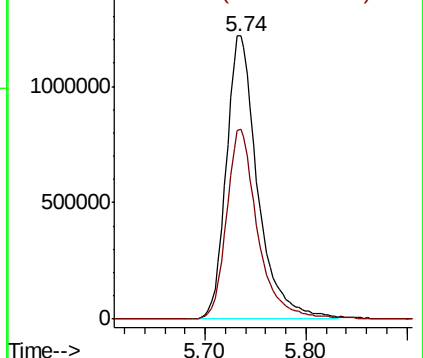
83 100

85 66.8 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.295 ppbv

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

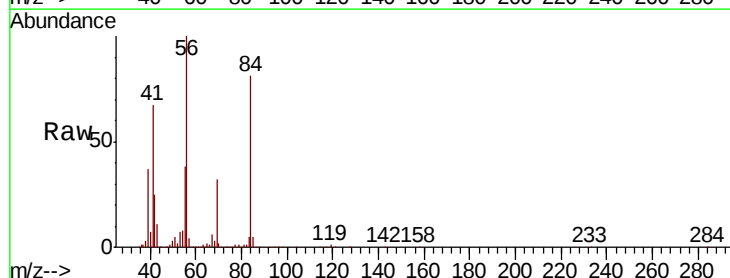
Tgt Ion: 84 Resp: 1427150

Ion Ratio Lower Upper

84 100

56 132.7 107.9 161.9

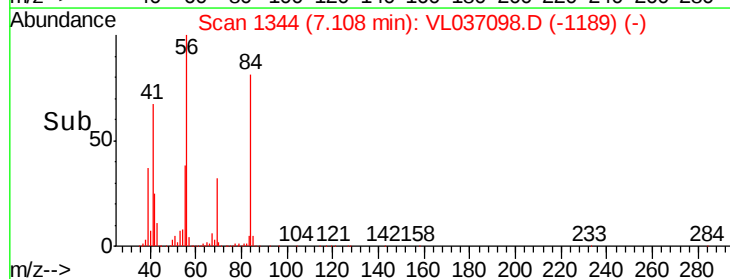
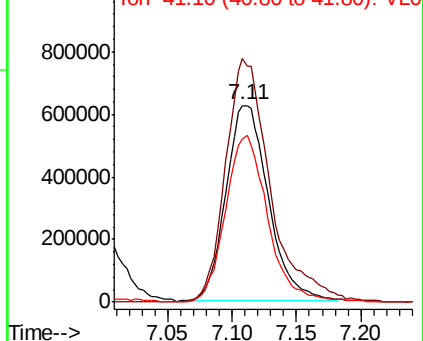
41 85.3 65.5 98.3

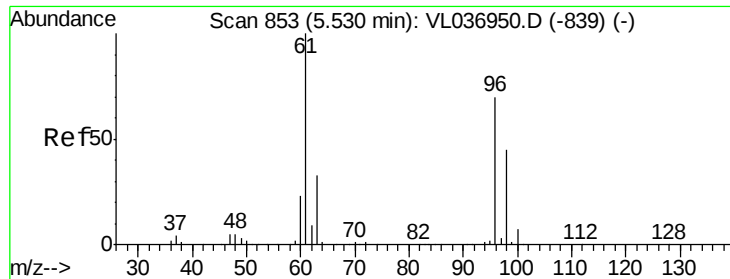


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



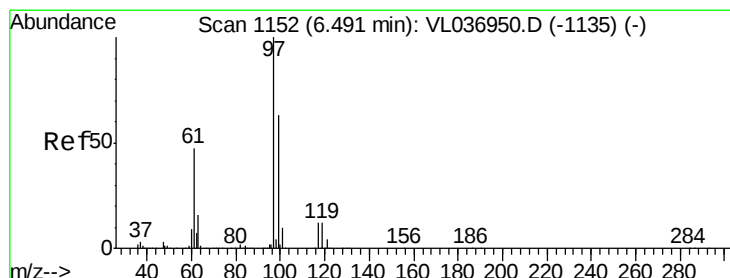
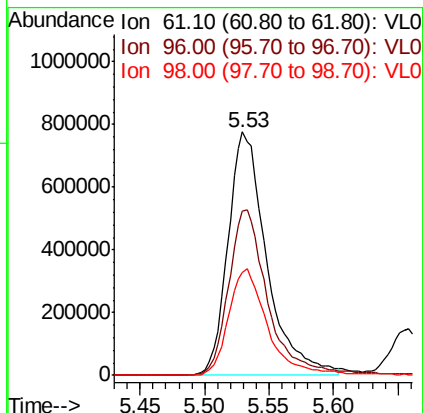
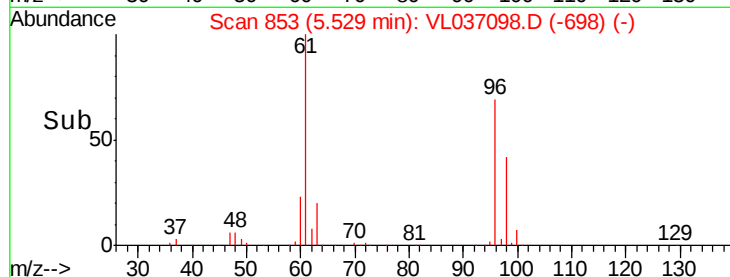
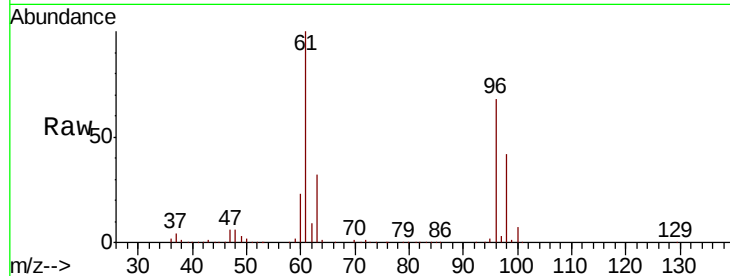


#31

cis-1,2-Dichloroethene
 Concen: 9.955 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampled :

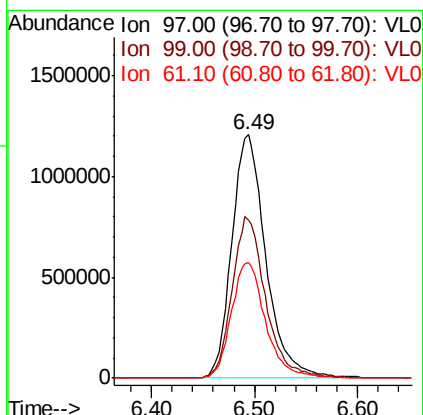
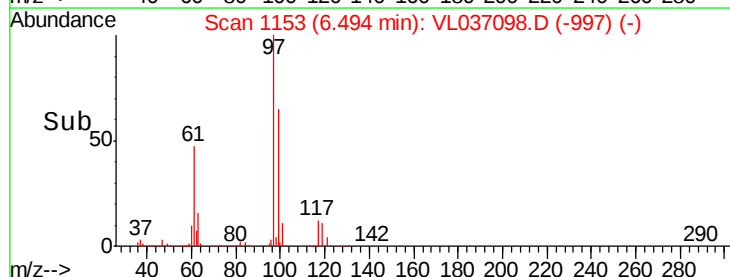
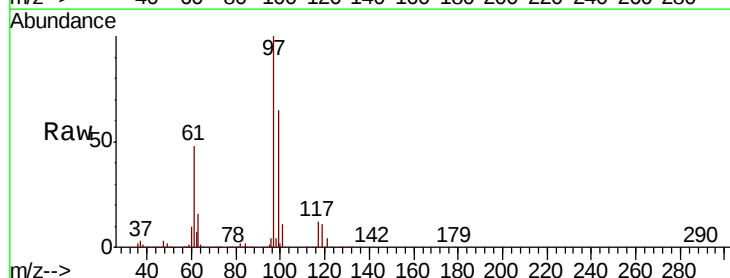
Tot Ion: 61 Resp: 1612687
 Ion Ratio Lower Upper
 61 100
 96 67.5 55.9 83.9
 98 42.4 35.6 53.4

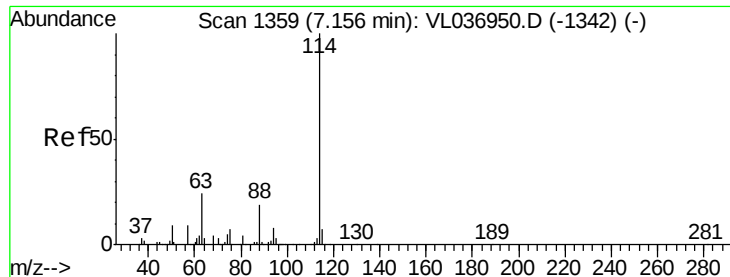


#32

1,1,1-Trichloroethane
 Concen: 10.101 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion: 97 Resp: 2768725
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.9 77.9
 61 48.0 37.6 56.4

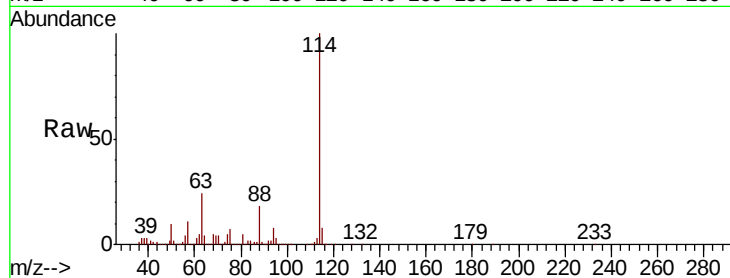




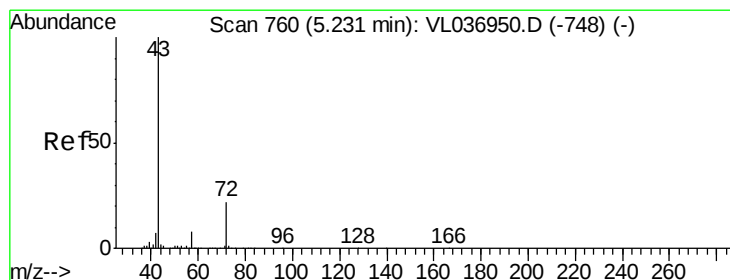
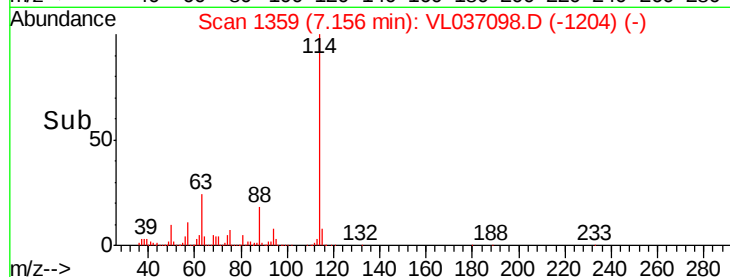
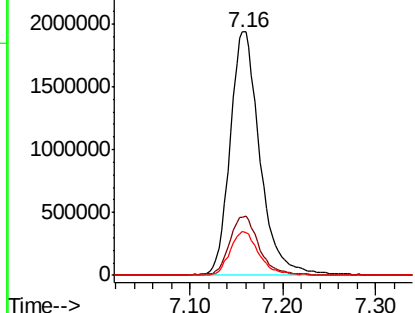
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 4321708
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 17.7 14.6 21.8

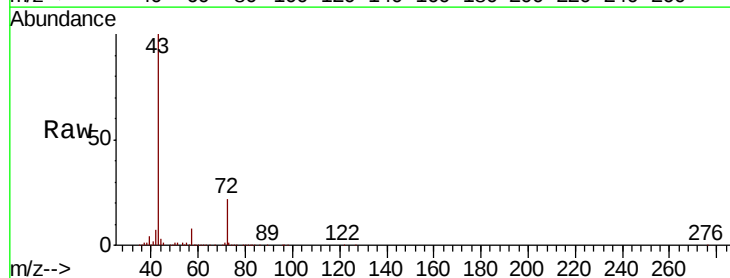


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

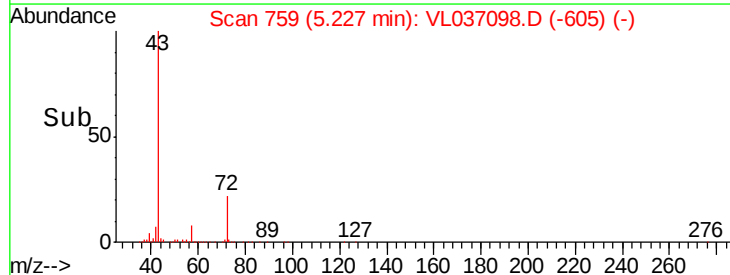
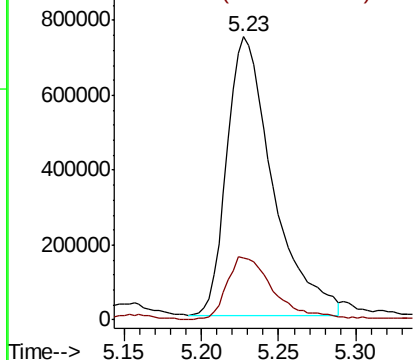


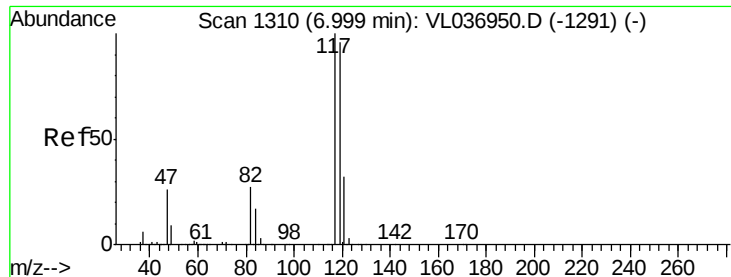
#34
 2-Butanone
 Concen: 9.698 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion: 43 Resp: 1526105
 Ion Ratio Lower Upper
 43 100
 72 23.9 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: 10.364 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

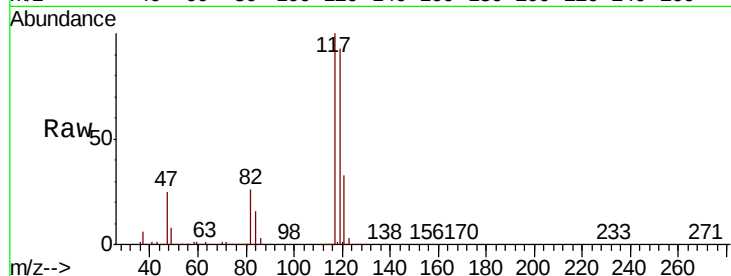
Tot Ion:117 Resp: 2975925

Ion Ratio Lower Upper

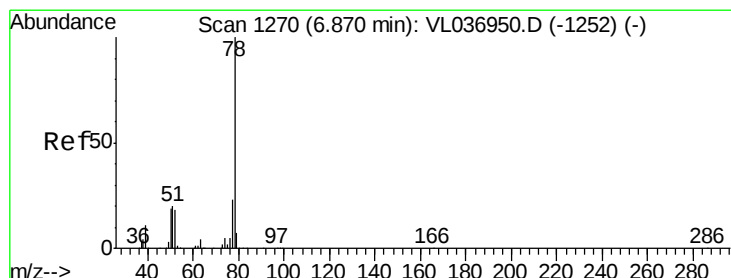
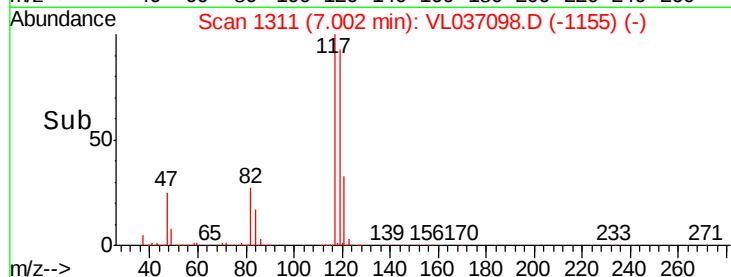
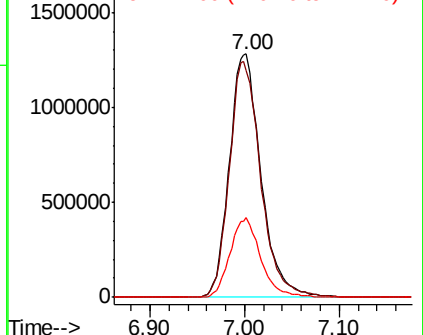
117 100

119 93.4 76.6 114.8

121 32.6 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: 9.047 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

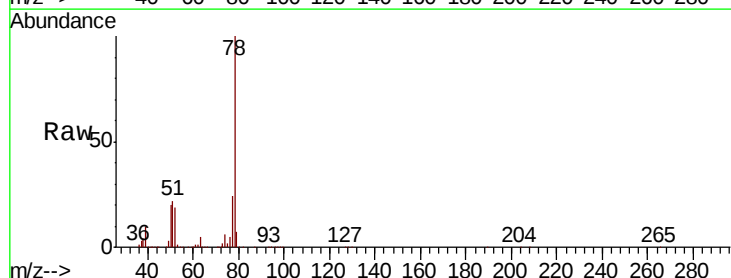
Tgt Ion: 78 Resp: 3367946

Ion Ratio Lower Upper

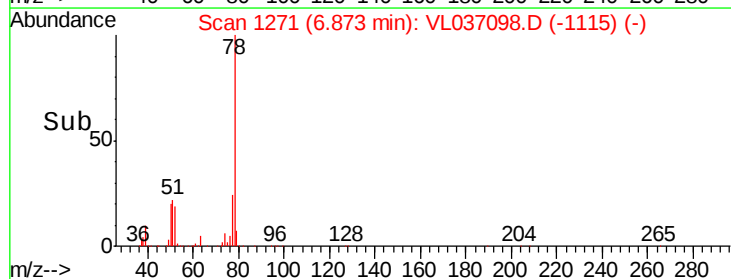
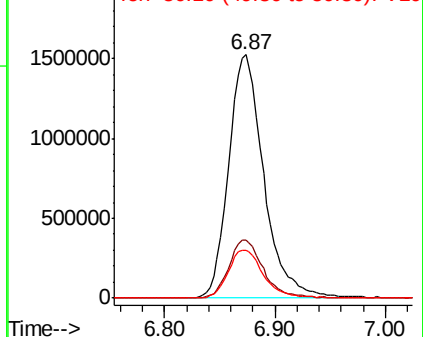
78 100

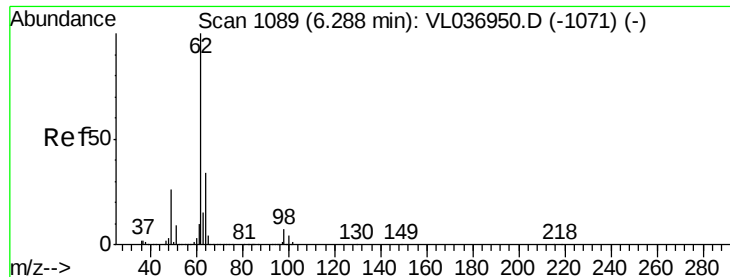
77 24.1 18.6 28.0

50 19.9 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

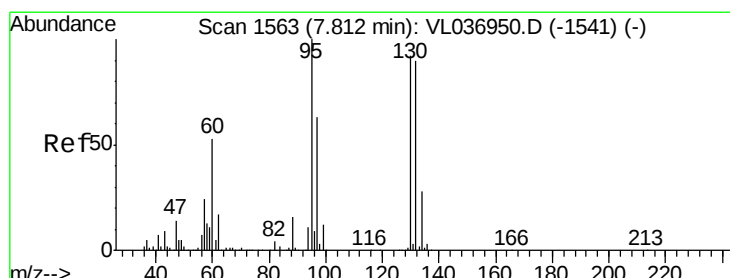
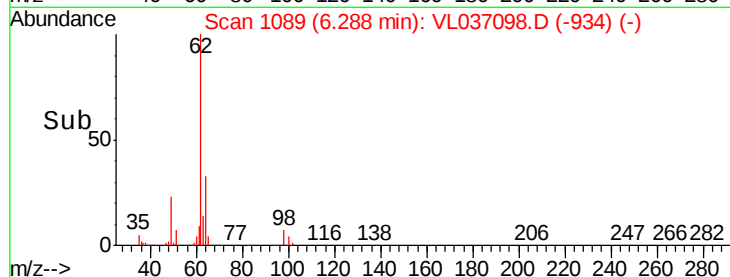
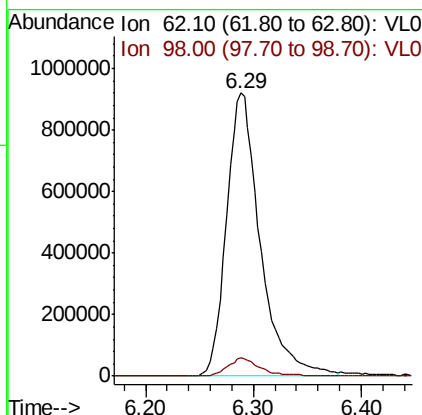
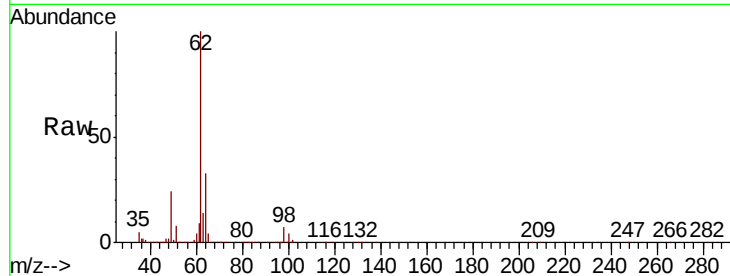




#37
 1,2-Dichloroethane
 Concen: 10.841 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

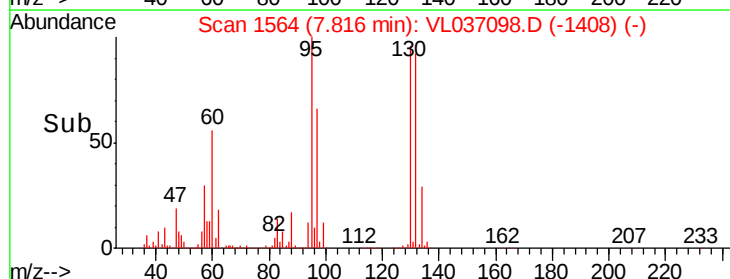
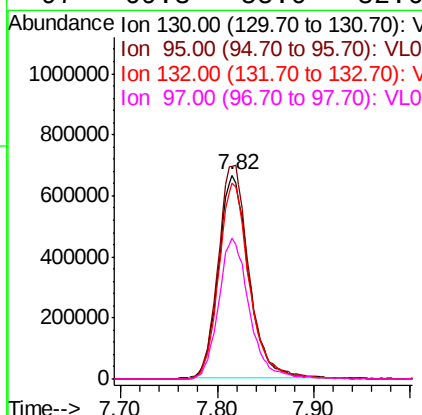
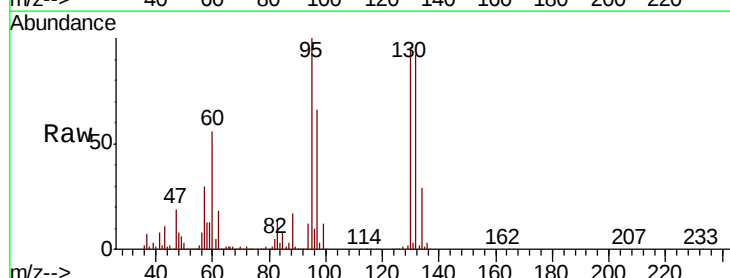
Instrument :
 MSVOA_L
 ClientSampleId :

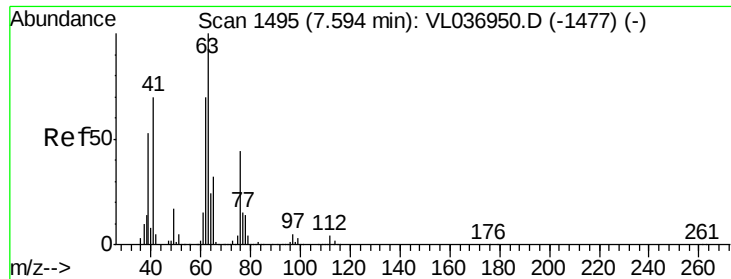
Tot Ion: 62 Resp: 2000870
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.5 8.3



#38
 Trichloroethene
 Concen: 9.073 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion: 130 Resp: 1444881
 Ion Ratio Lower Upper
 130 100
 95 104.7 86.9 130.3
 132 96.2 78.4 117.6
 97 69.3 55.0 82.6

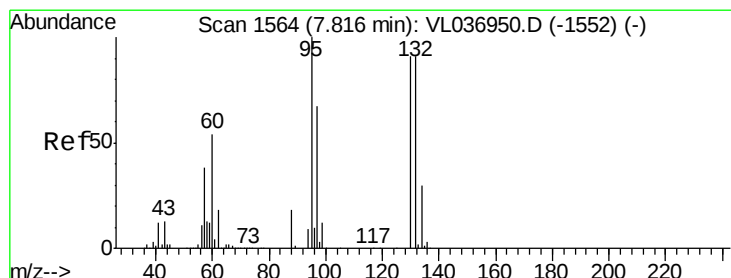
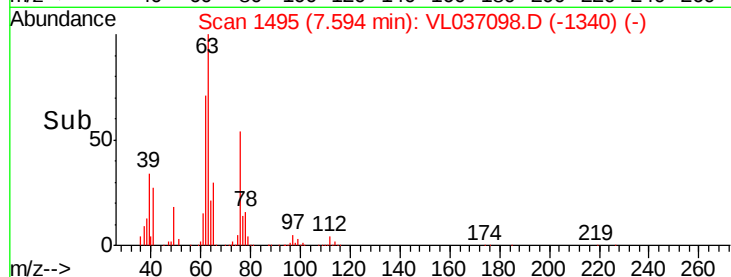
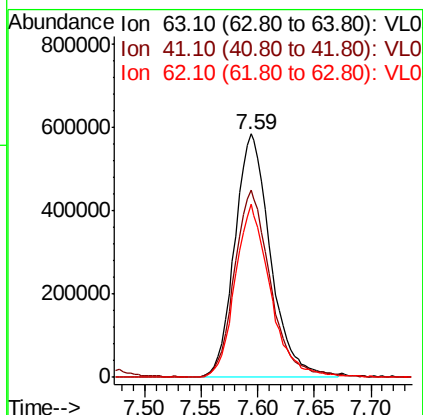
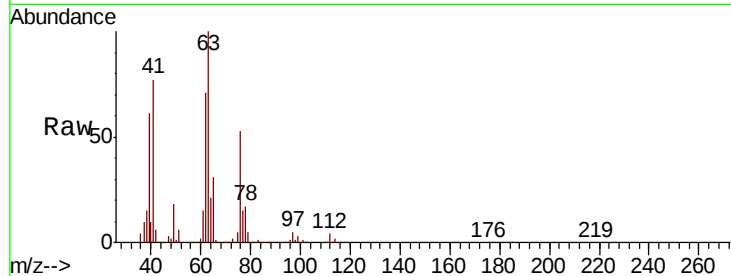




#39
 1,2-Dichloropropane
 Concen: 8.968 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

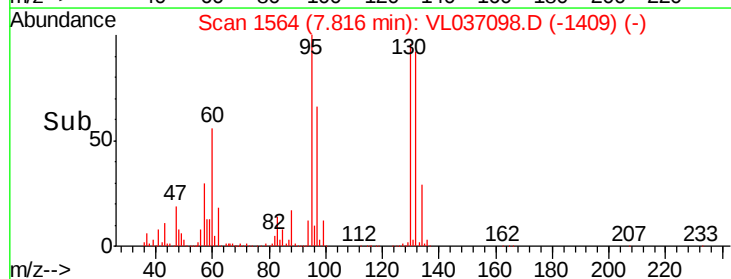
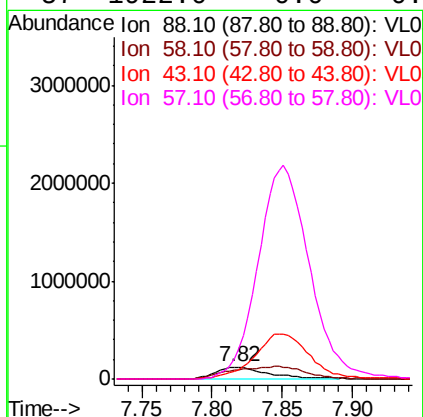
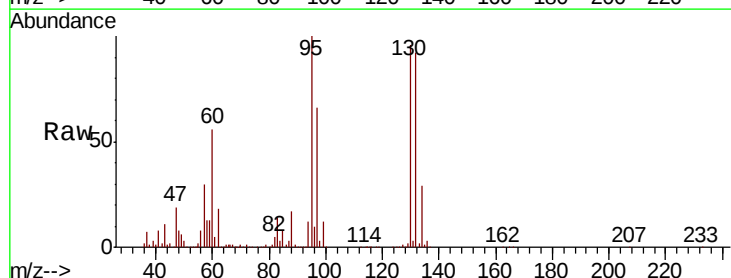
Instrument :
 MSVOA_L
 ClientSampleId :

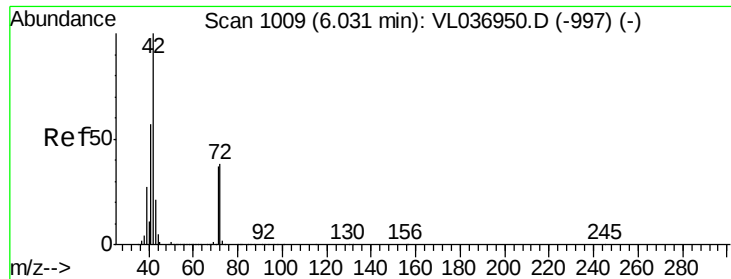
Tot Ion: 63 Resp: 1285952
 Ion Ratio Lower Upper
 63 100
 41 76.7 55.7 83.5
 62 71.2 56.2 84.4



#40
 1,4-Dioxane
 Concen: 8.573 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion: 88 Resp: 290270
 Ion Ratio Lower Upper
 88 100
 58 165.4 0.0 0.0#
 43 433.1 0.0 0.0#
 57 1922.0 0.0 0.0#

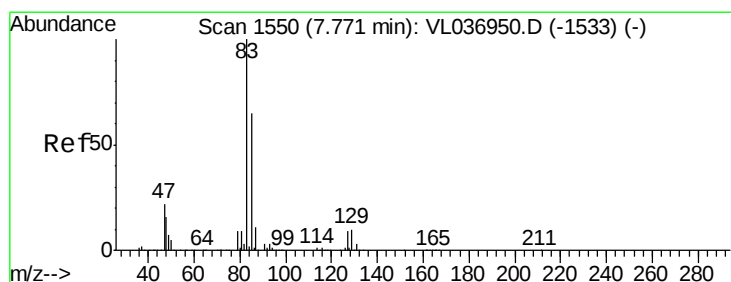
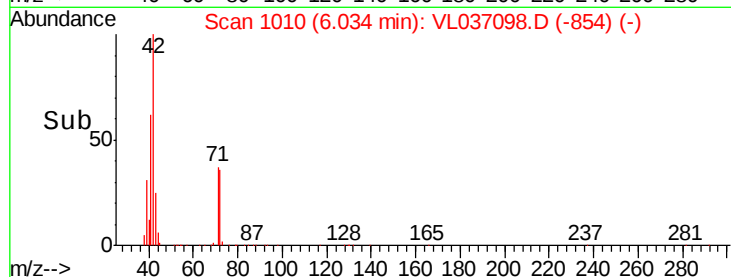
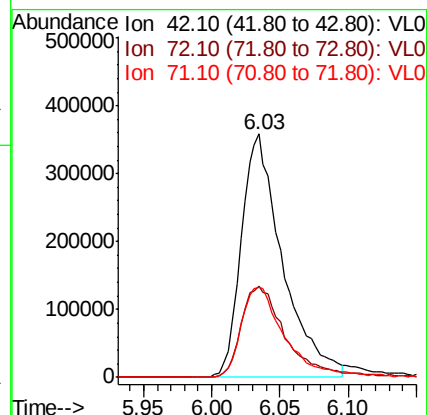
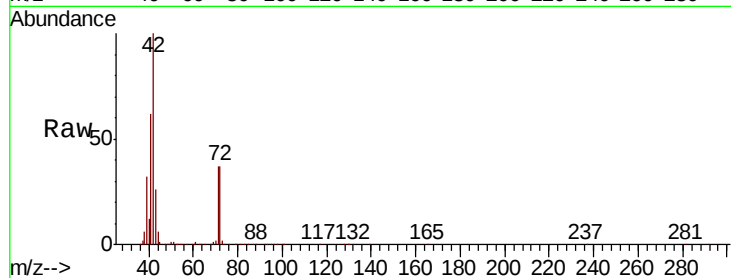




#41
Tetrahydrofuran
Concen: 8.351 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

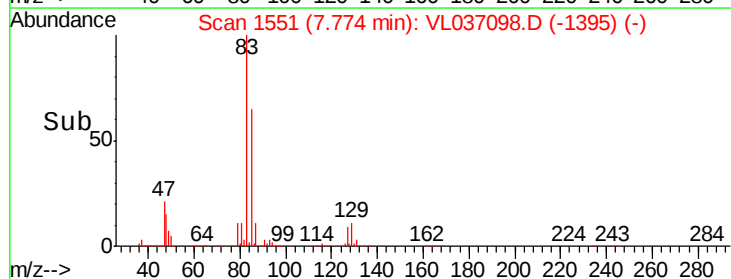
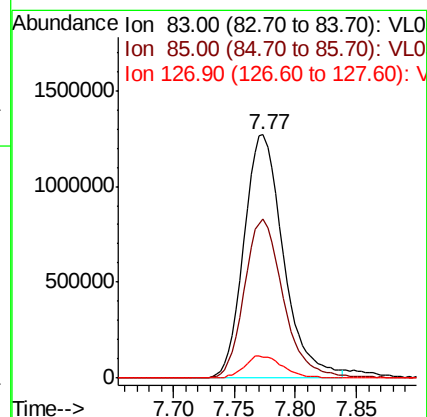
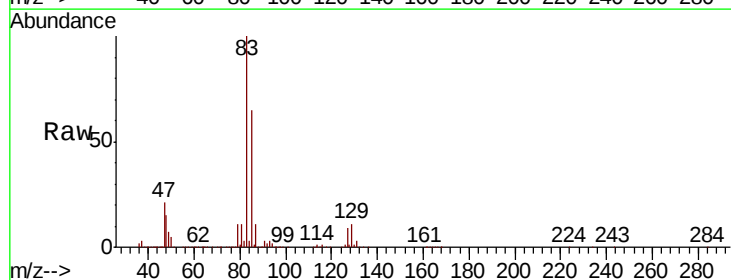
Instrument :
MSVOA_L
ClientSampled :

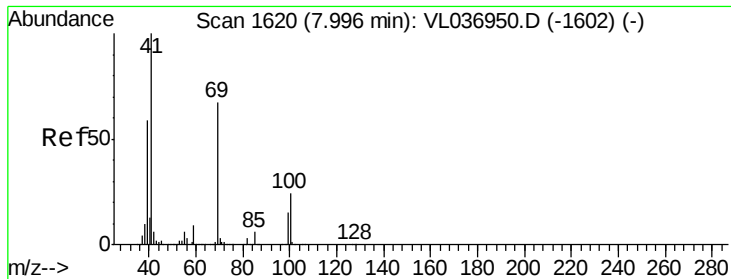
Tot Ion: 42 Resp: 748450
Ion Ratio Lower Upper
42 100
72 41.7 31.4 47.2
71 40.5 30.4 45.6



#42
Bromodichloromethane
Concen: 10.179 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 83 Resp: 2842079
Ion Ratio Lower Upper
83 100
85 65.1 51.7 77.5
127 8.8 6.9 10.3

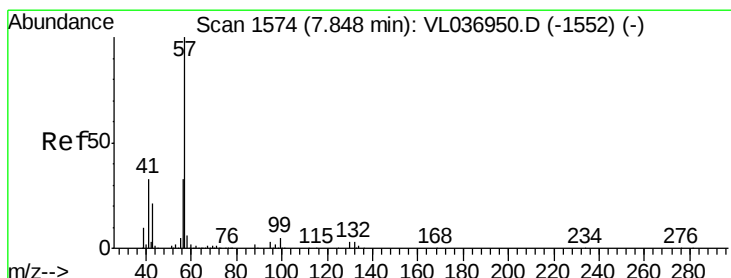
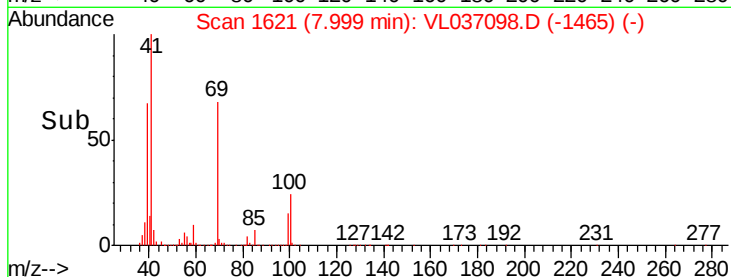
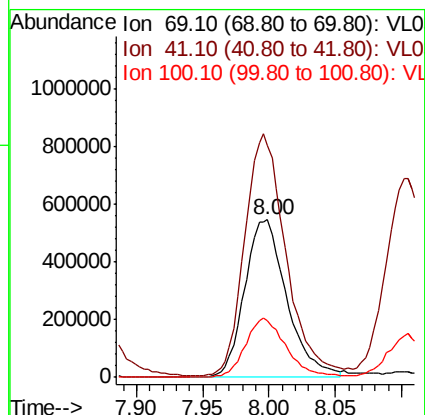
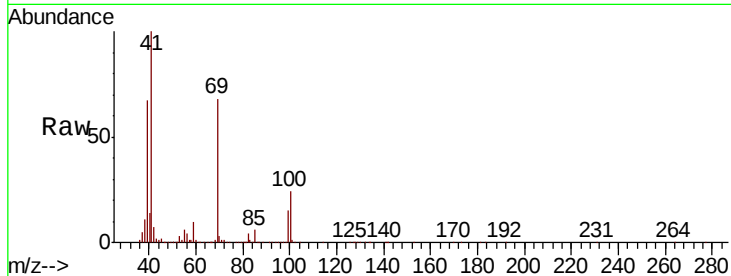




#43
Methvl Methacrylate
Concen: 9.408 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

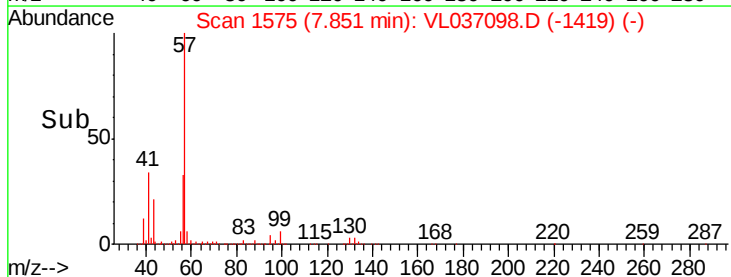
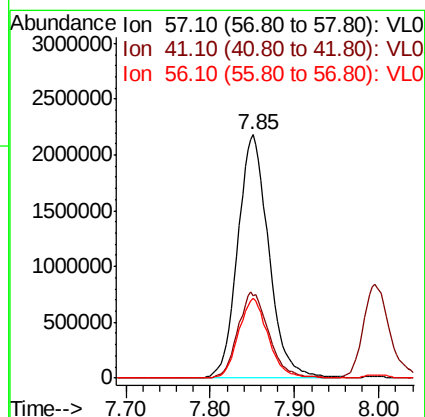
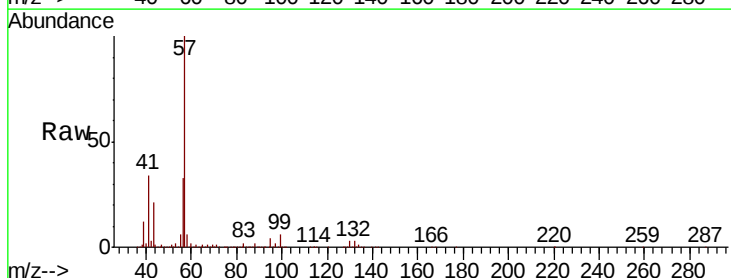
Instrument :
MSVOA_L
ClientSampled :

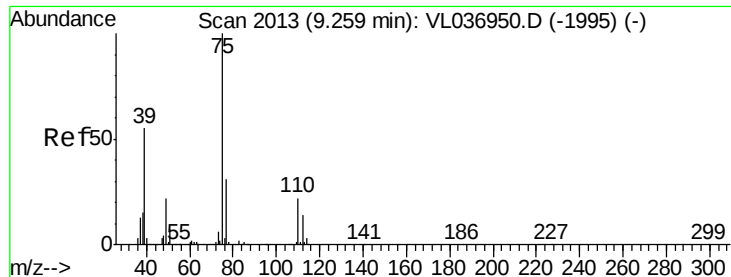
Tot Ion: 69 Resp: 1207015
Ion Ratio Lower Upper
69 100
41 152.7 118.6 178.0
100 36.5 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 8.722 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 57 Resp: 5570481
Ion Ratio Lower Upper
57 100
41 35.3 27.0 40.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.911 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

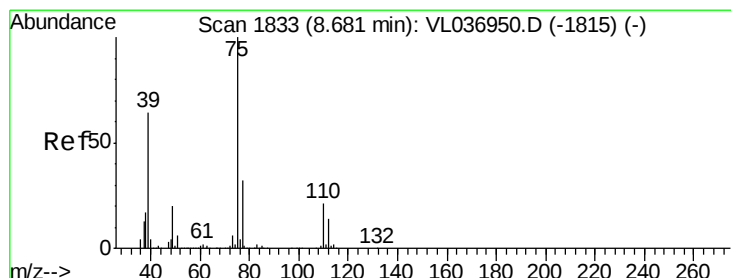
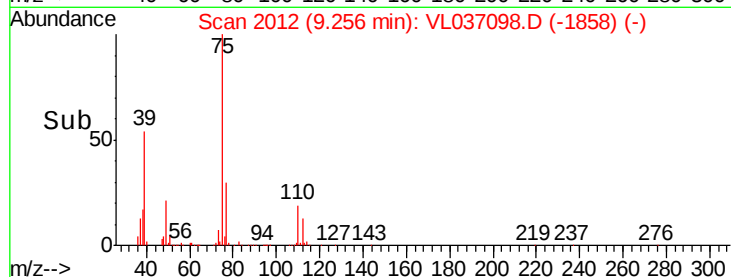
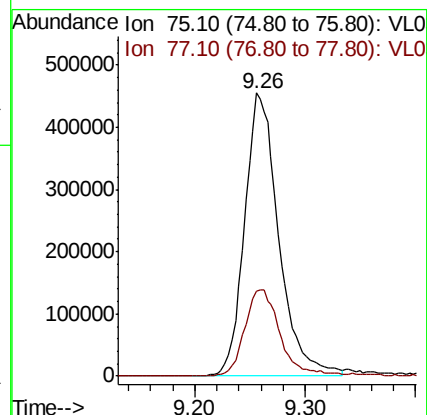
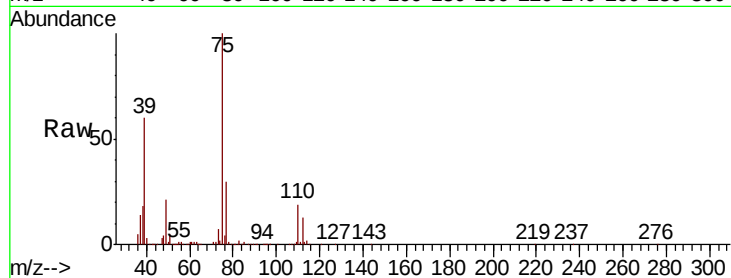
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 971450

Ion Ratio Lower Upper

75 100

77 30.1 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 9.388 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

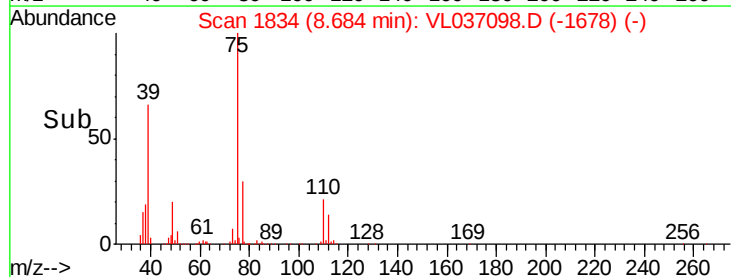
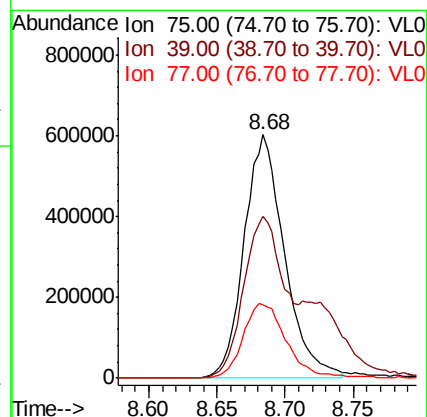
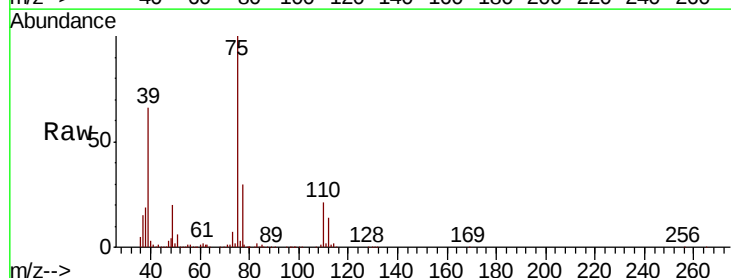
Tgt Ion: 75 Resp: 1237693

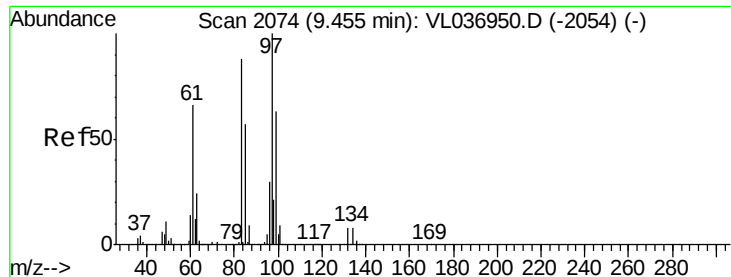
Ion Ratio Lower Upper

75 100

39 66.3 51.5 77.3

77 30.4 25.9 38.9



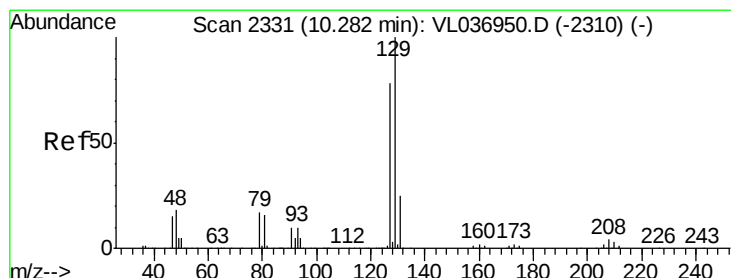
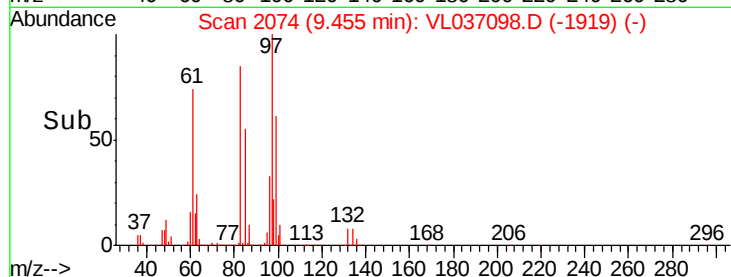
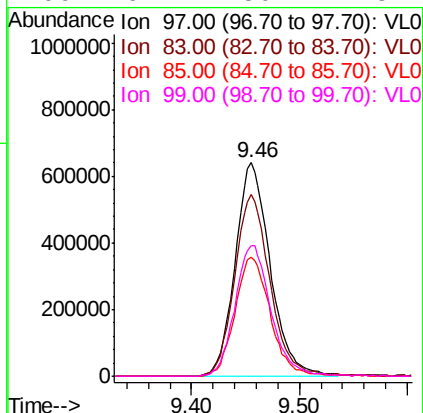
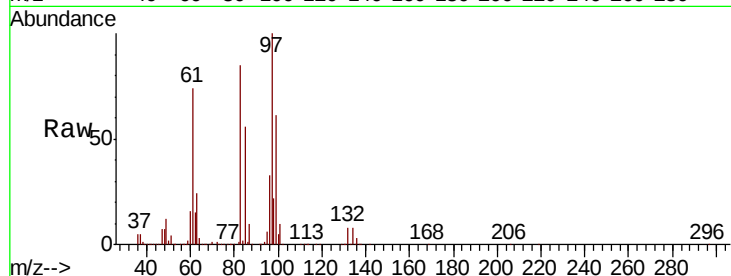


#47
 1,1,2-Trichloroethane
 Concen: 9.656 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1449273

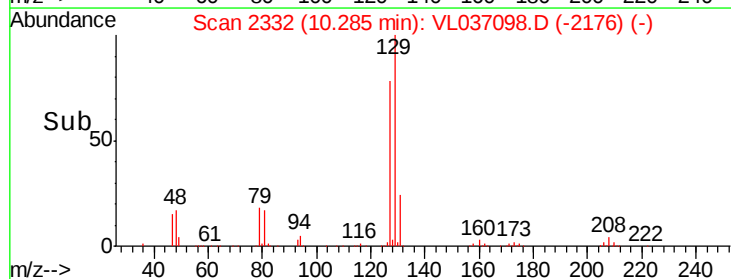
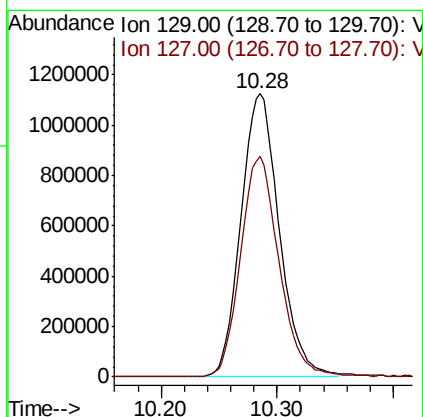
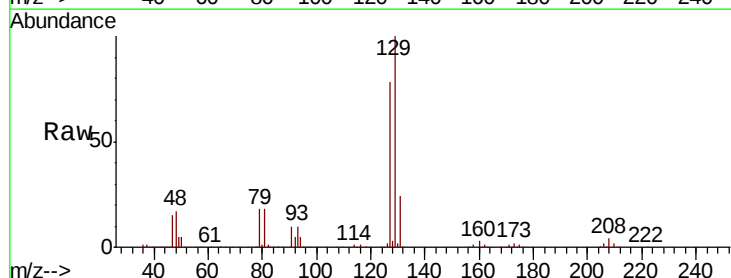
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.4	105.6
85	55.5	45.5	68.3
99	61.2	50.2	75.2

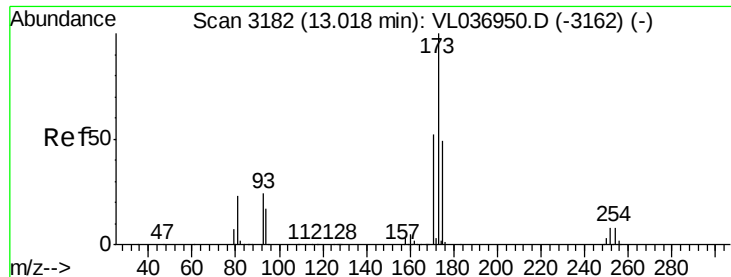


#48
 Dibromochloromethane
 Concen: 10.662 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion: 129 Resp: 2591144

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8





#49

Bromoform

Concen: 10.750 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

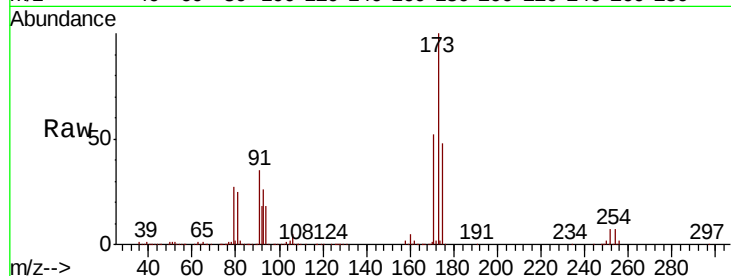
Tot Ion:173 Resp: 2157547

Ion Ratio Lower Upper

173 100

175 49.6 40.4 60.6

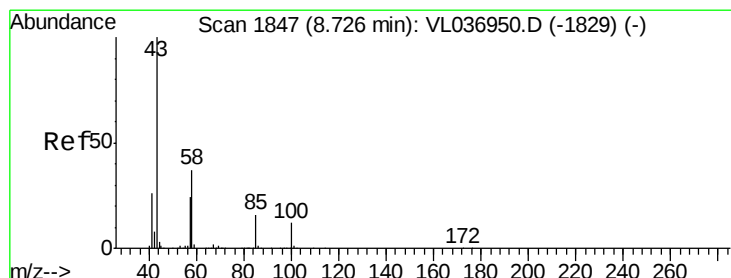
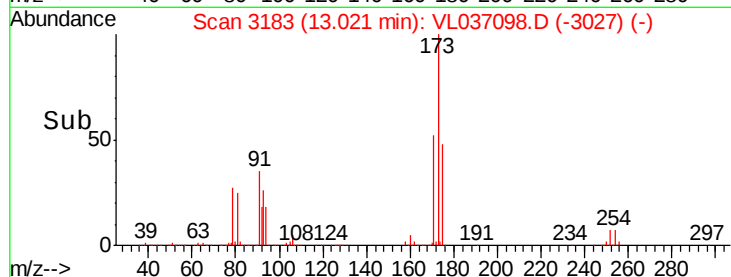
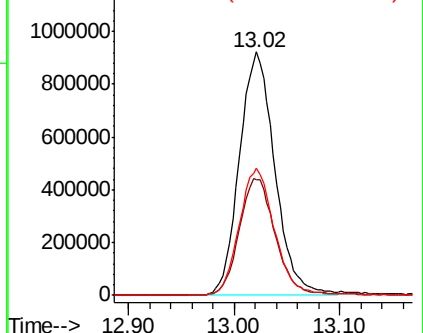
171 52.4 42.6 64.0



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: 9.233 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037098.D

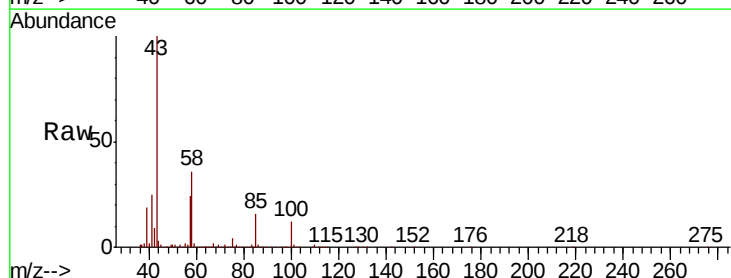
Acq: 2 Jun 2021 11:10

Tgt Ion: 43 Resp: 2397508

Ion Ratio Lower Upper

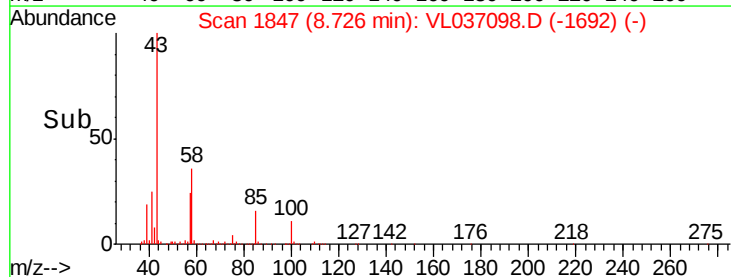
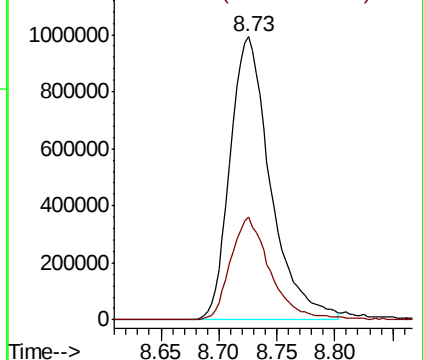
43 100

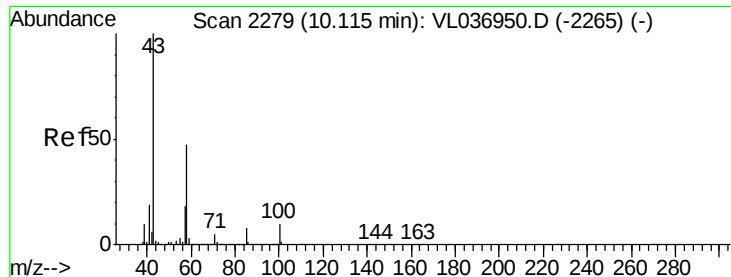
58 36.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

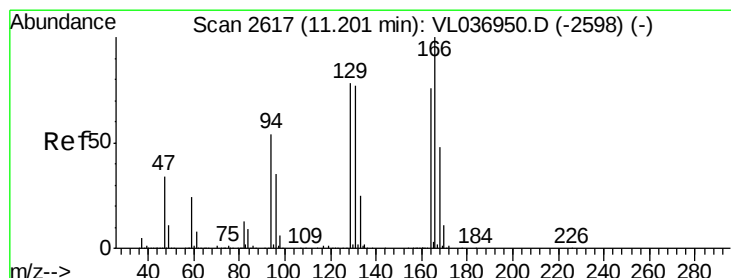
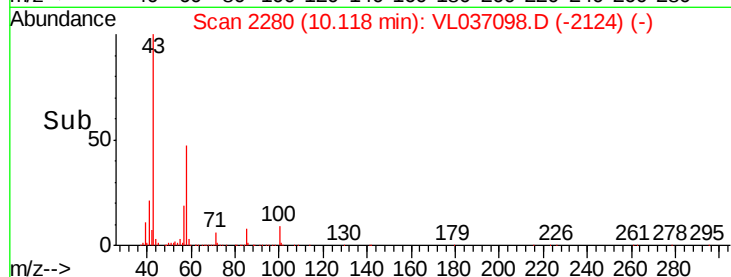
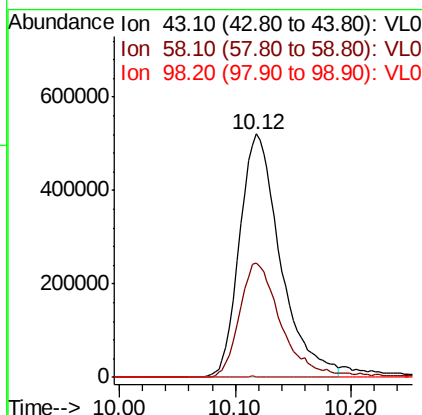
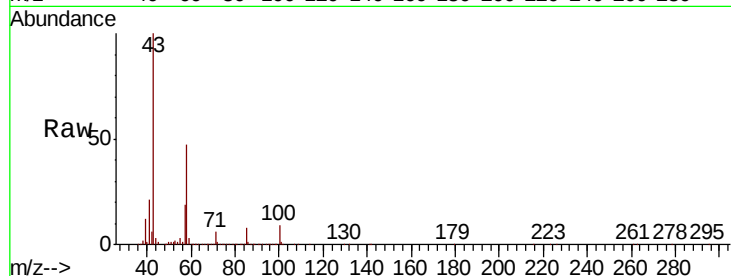




#51
2-Hexanone
Concen: 9.293 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

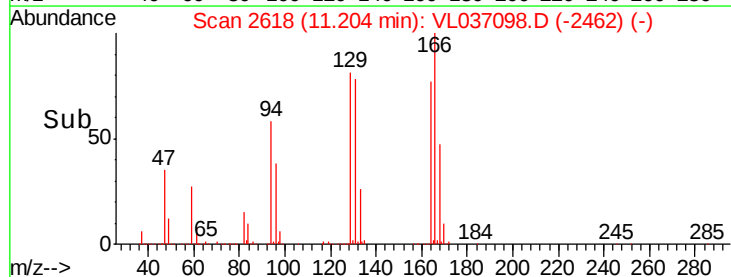
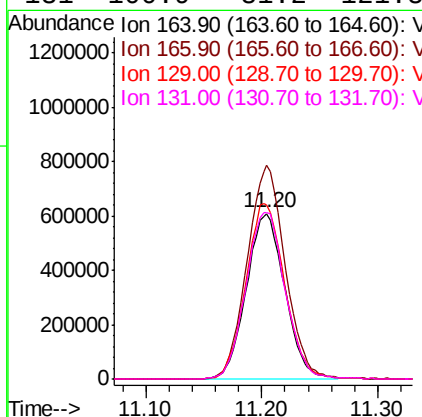
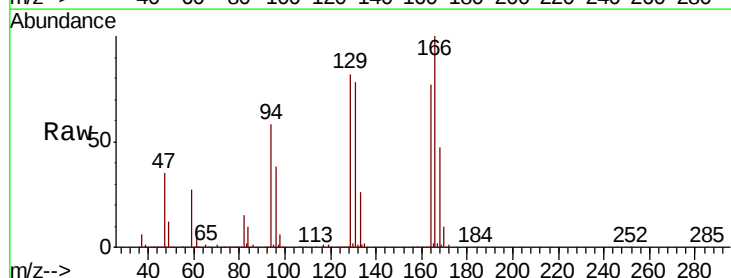
Instrument :
MSVOA_L
ClientSampleId :

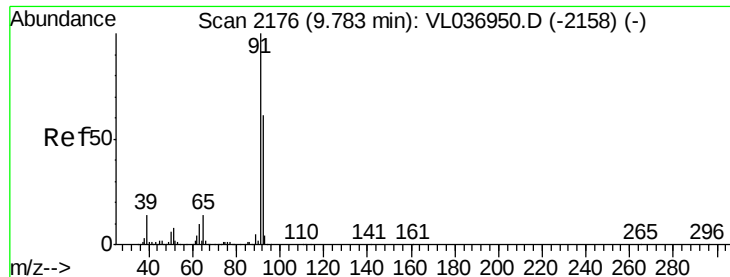
Tot Ion: 43 Resp: 1275735
Ion Ratio Lower Upper
43 100
58 49.5 41.1 61.7
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.461 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 164 Resp: 1400509
Ion Ratio Lower Upper
164 100
166 129.2 105.5 158.3
129 105.6 81.8 122.8
131 100.9 81.2 121.8





#53

Toluene

Concen: 9.149 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

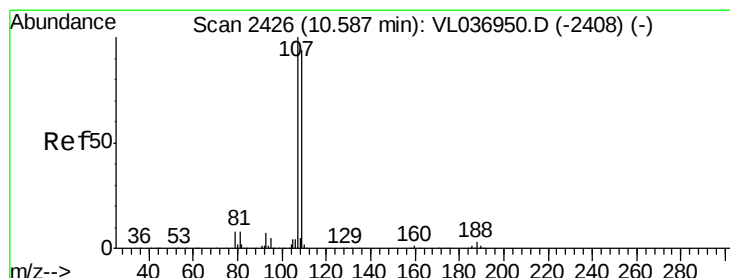
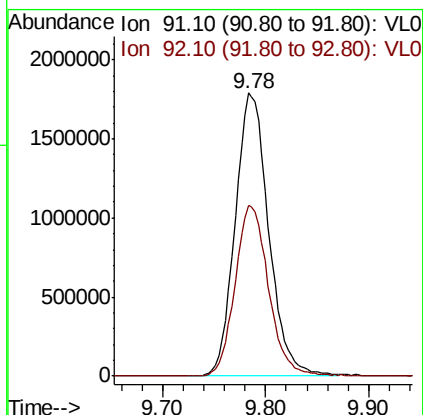
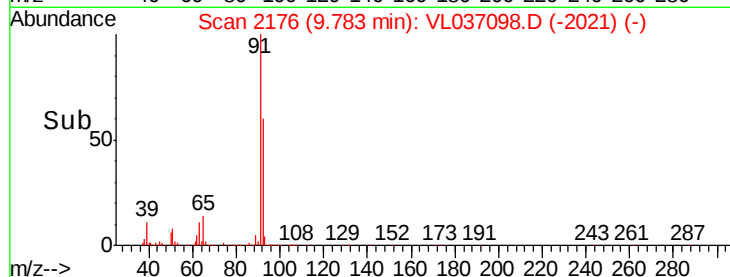
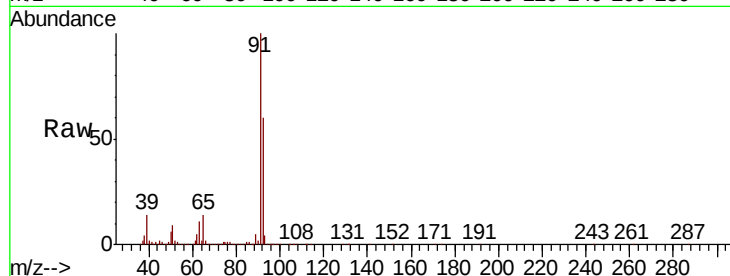
ClientSampleId :

Tot Ion: 91 Resp: 4052575

Ion Ratio Lower Upper

91 100

92 60.5 49.5 74.3



#54

1,2-Dibromoethane

Concen: 10.147 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037098.D

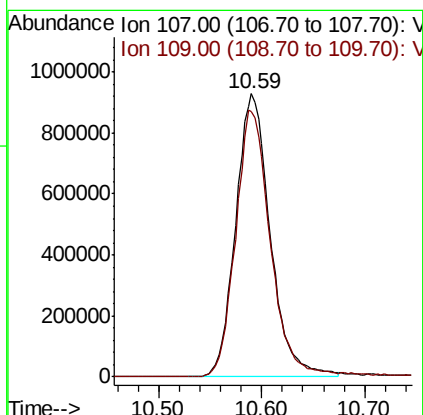
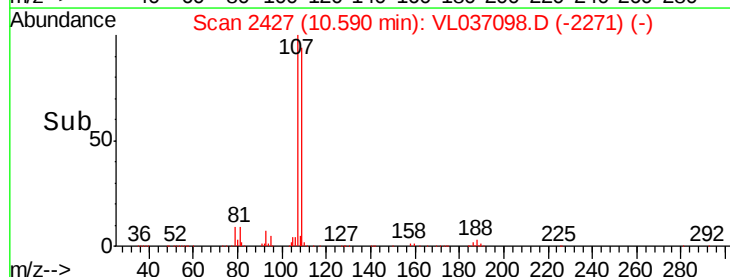
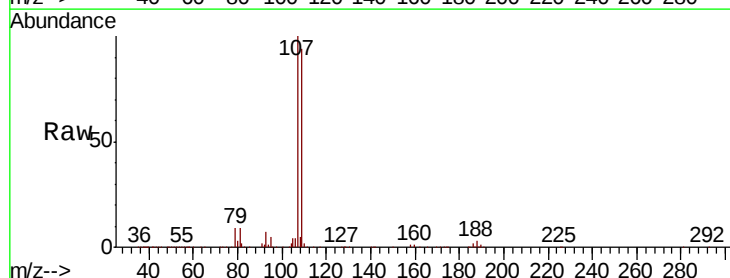
Acq: 2 Jun 2021 11:10

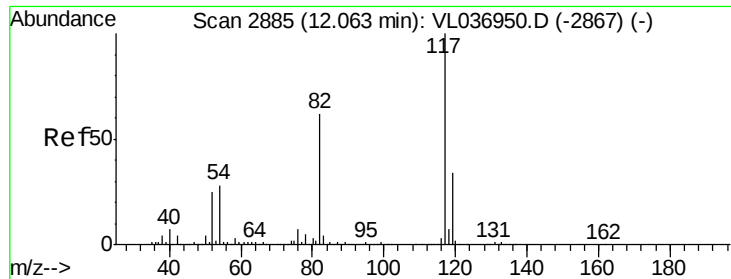
Tgt Ion:107 Resp: 2165257

Ion Ratio Lower Upper

107 100

109 93.9 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampleId :

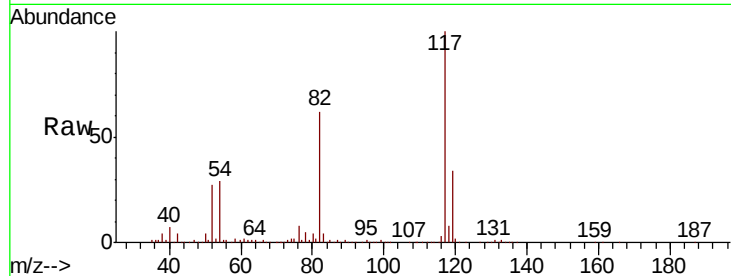
Tot Ion:117 Resp: 5086684

Ion Ratio Lower Upper

117 100

82 50.7 52.6 79.0#

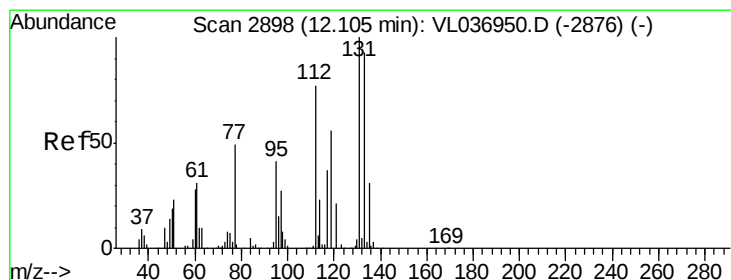
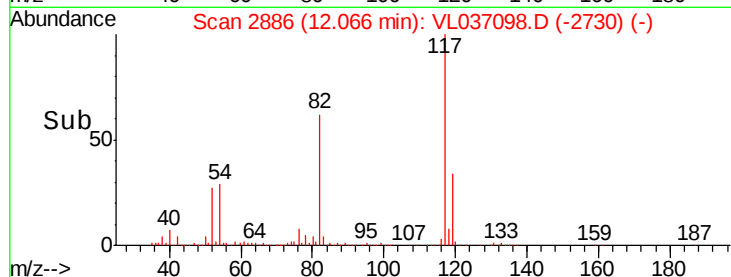
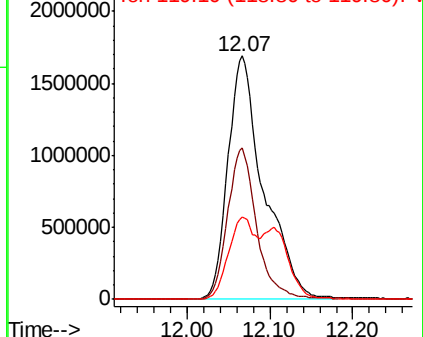
119 47.3 46.6 70.0



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: 8.297 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

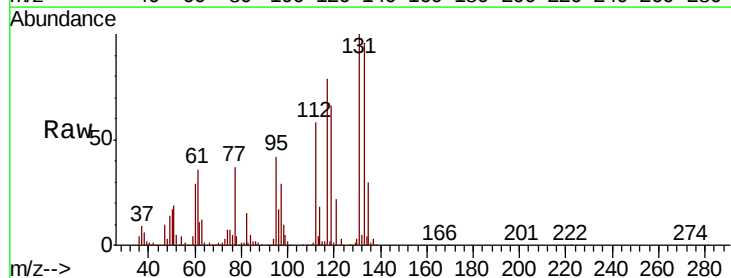
Tgt Ion:131 Resp: 1775901

Ion Ratio Lower Upper

131 100

133 96.2 76.9 115.3

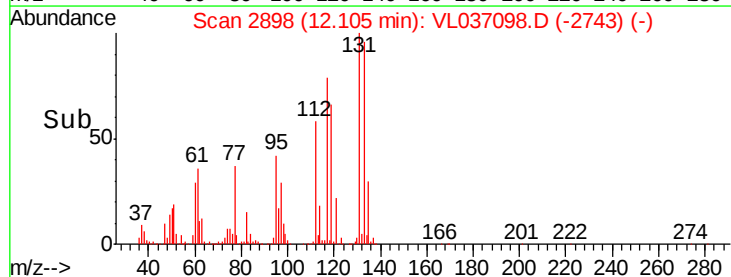
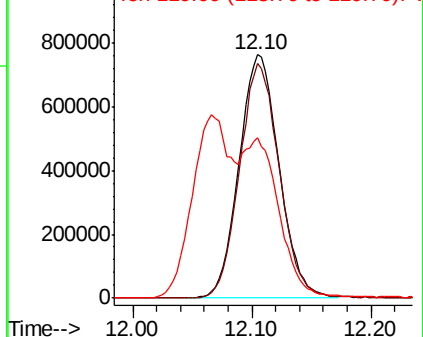
119 59.0 120.2 180.4#

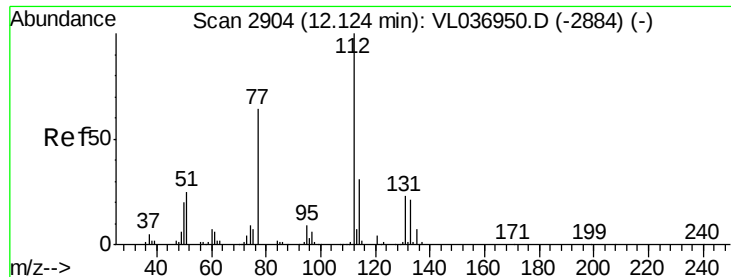


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

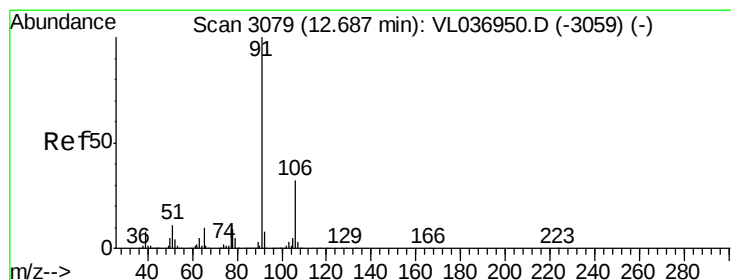
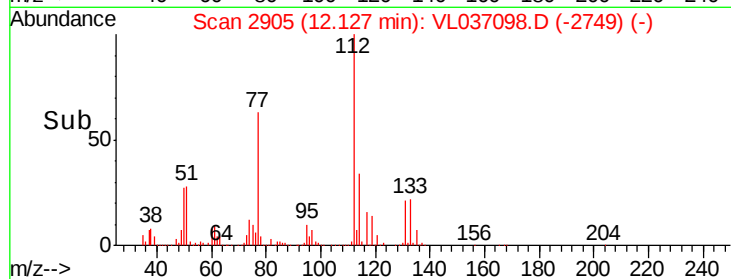
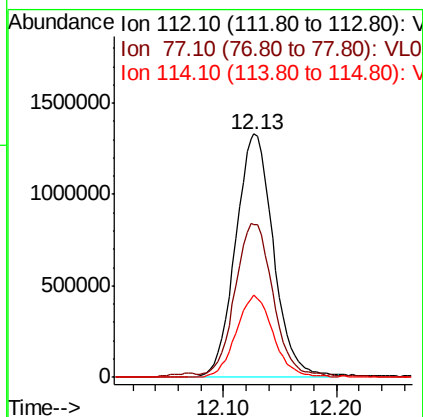
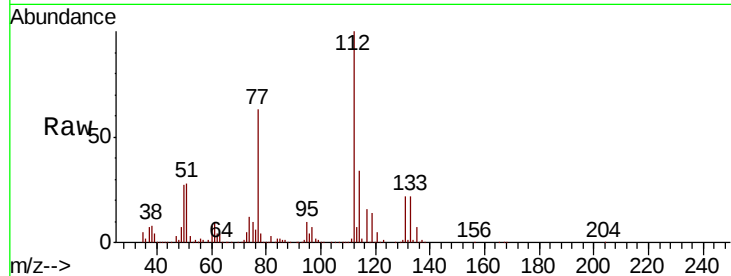




#57
Chlorobenzene
Concen: 7.853 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

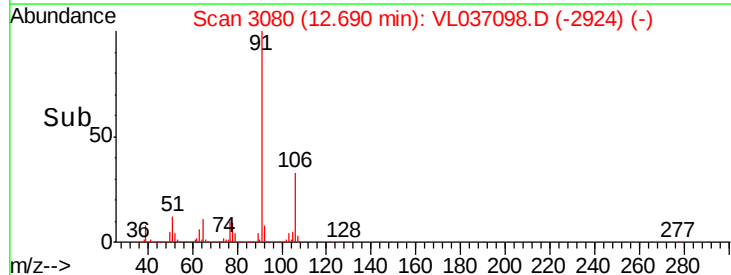
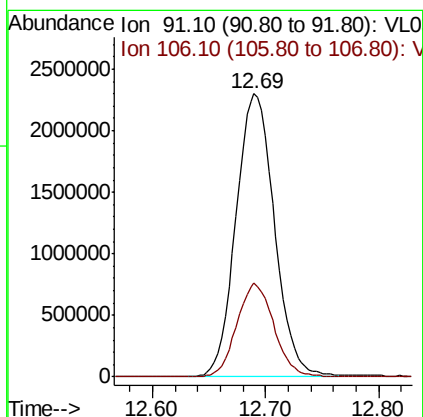
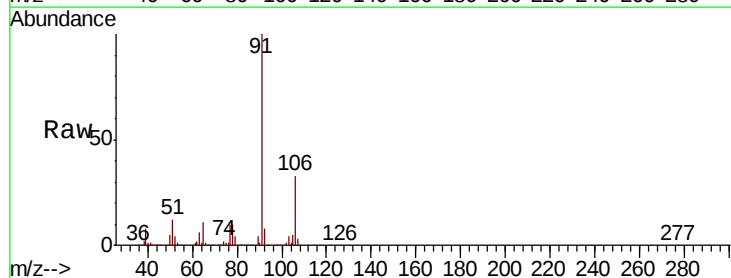
Instrument :
MSVOA_L
ClientSampleId :

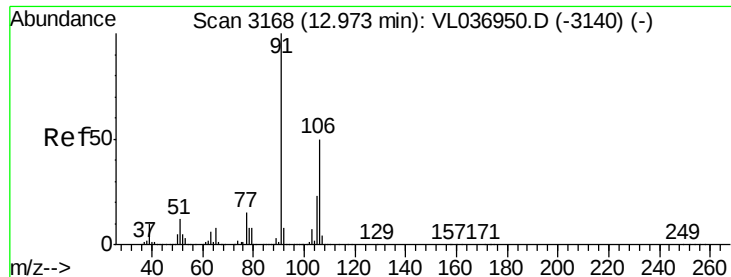
Tot Ion:112 Resp: 3097430
Ion Ratio Lower Upper
112 100
77 62.0 51.0 76.6
114 33.9 28.3 34.5



#58
Ethyl Benzene
Concen: 7.578 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 5440182
Ion Ratio Lower Upper
91 100
106 33.1 25.6 38.4

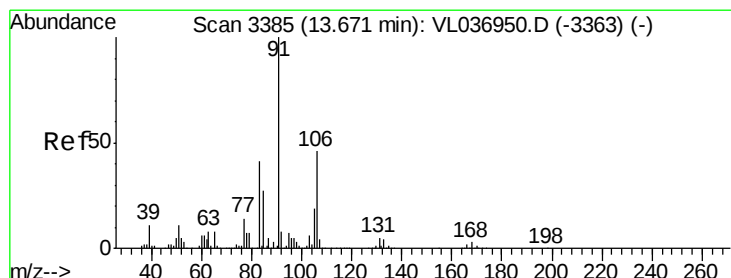
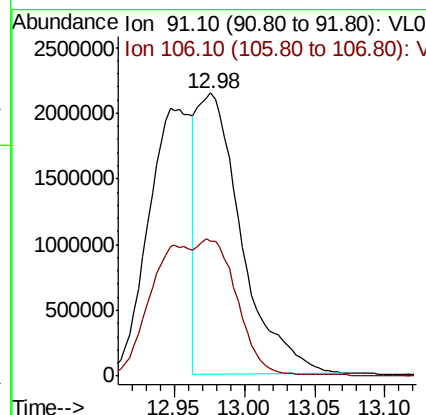
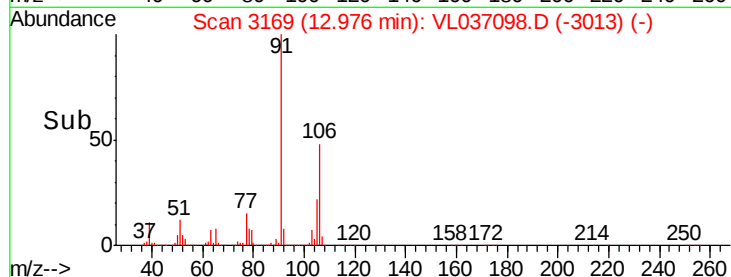
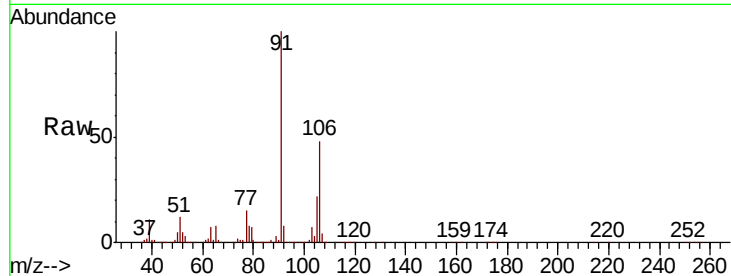




#59
m/p-Xylene
Concen: 7.846 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

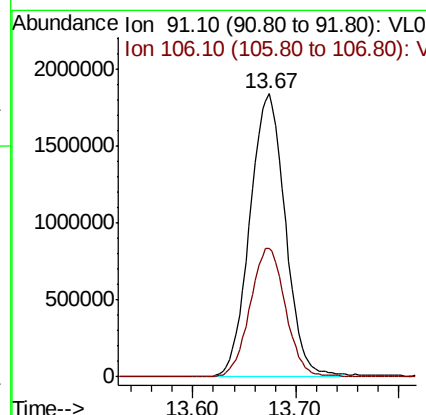
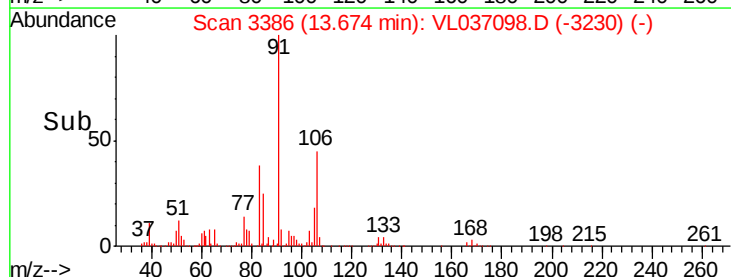
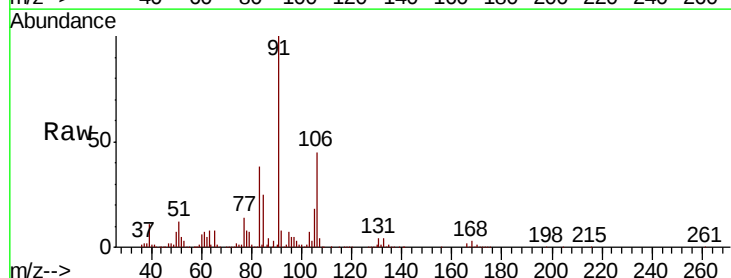
Instrument :
MSVOA_L
ClientSampled :

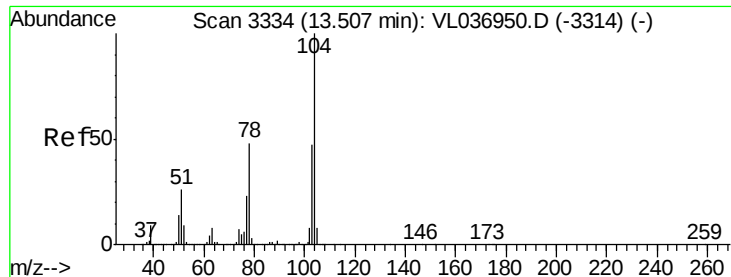
Tot Ion: 91 Resp: 4656374
Ion Ratio Lower Upper
91 100
106 90.5 37.4 56.2#



#60
o-Xylene
Concen: 7.763 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 4393874
Ion Ratio Lower Upper
91 100
106 46.0 23.4 70.3

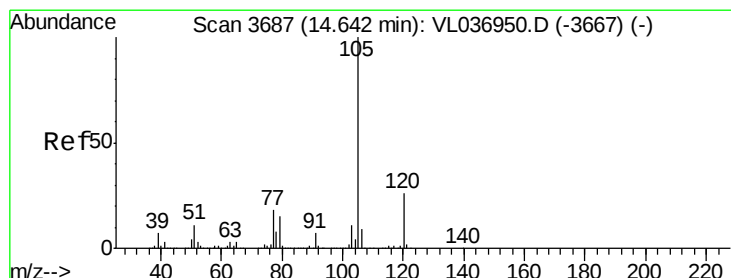
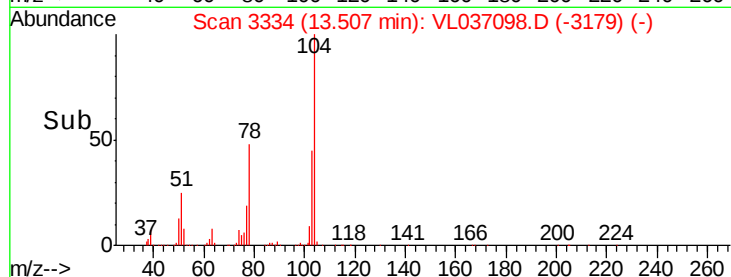
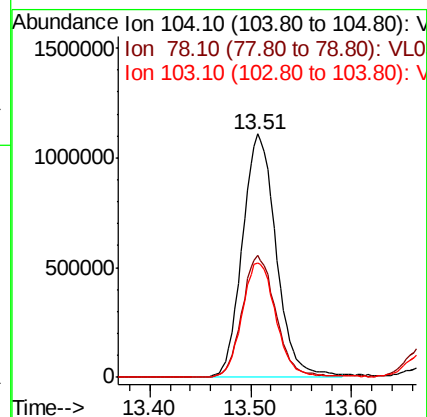
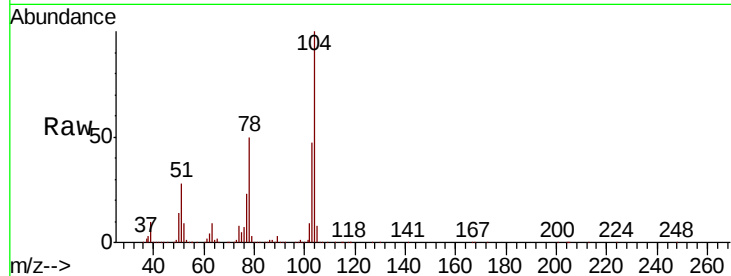




#61
Stvrene
Concen: 8.057 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

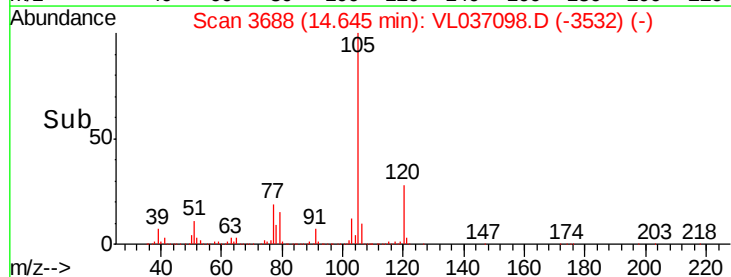
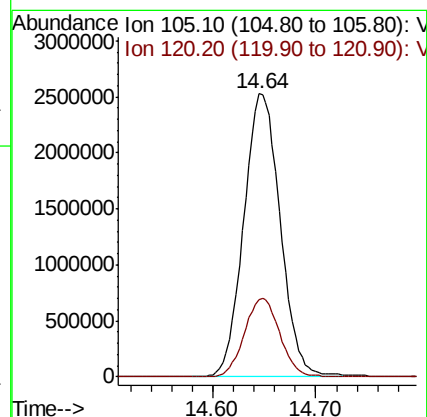
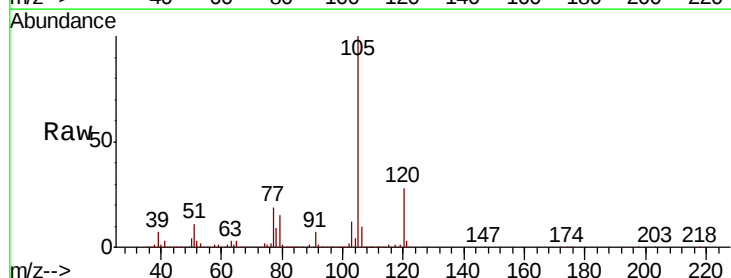
Instrument :
MSVOA_L
ClientSampled :

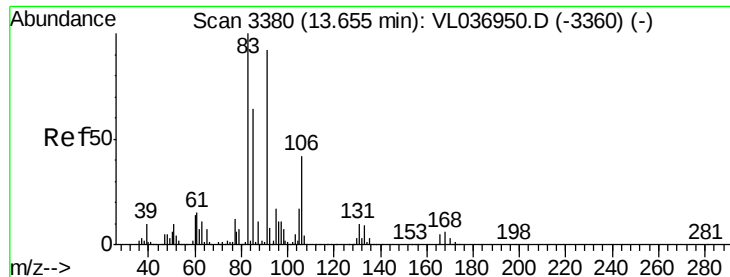
Tot Ion:104 Resp: 2569044
Ion Ratio Lower Upper
104 100
78 50.3 39.0 58.6
103 47.6 38.0 57.0



#62
Isopropylbenzene
Concen: 7.636 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion:105 Resp: 6211243
Ion Ratio Lower Upper
105 100
120 27.2 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 7.067 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

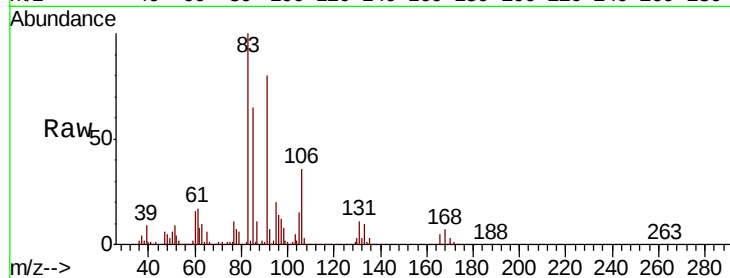
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 2987106

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.0	15.0
85	66.5	32.9	98.6

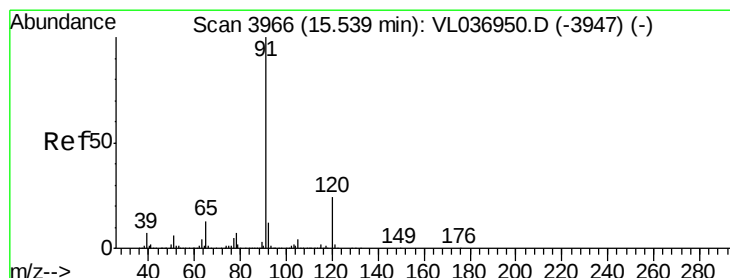
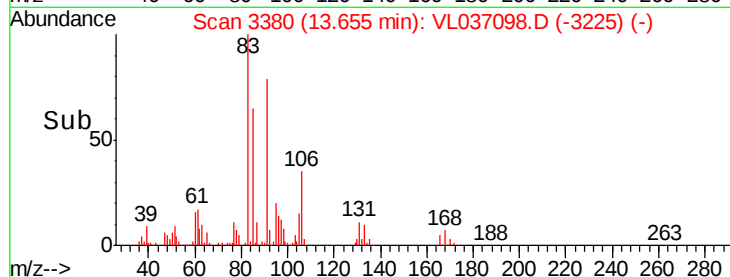
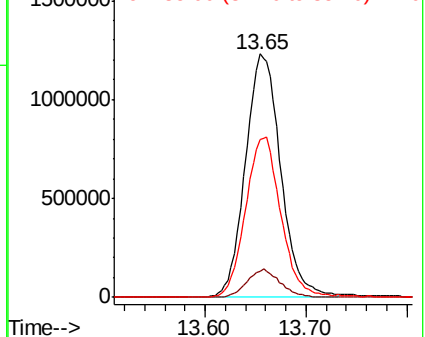


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.118 ppbv

RT: 15.55 min Scan# 3968

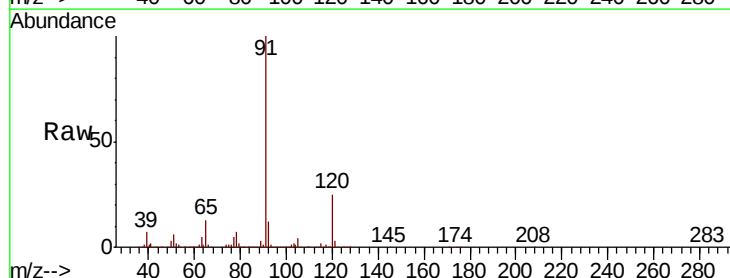
Delta R.T. 0.01 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Tgt Ion:120 Resp: 1703701

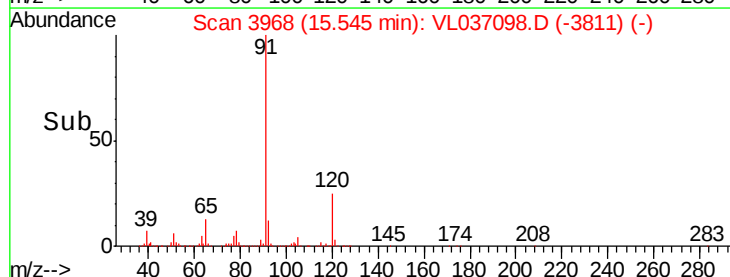
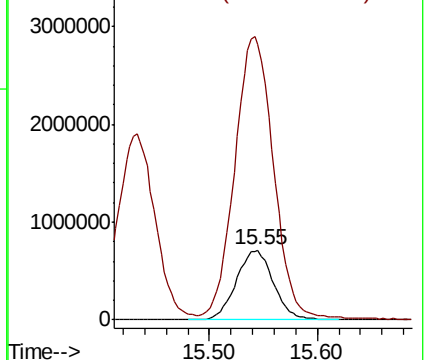
Ion	Ratio	Lower	Upper
120	100		
91	428.1	343.8	515.6

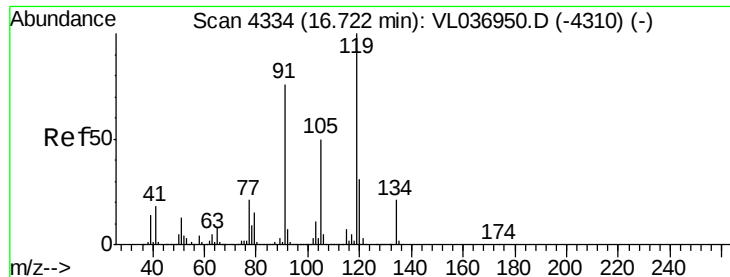


Abundance

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

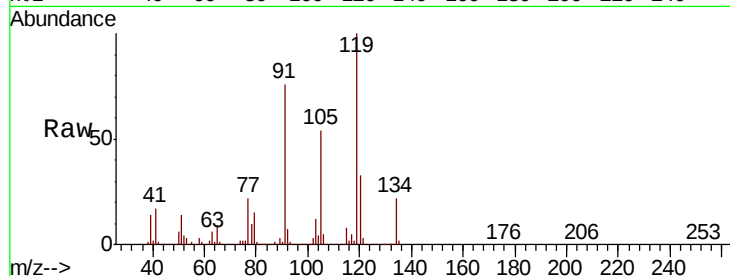




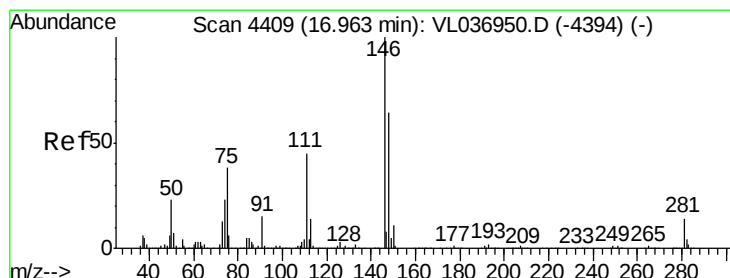
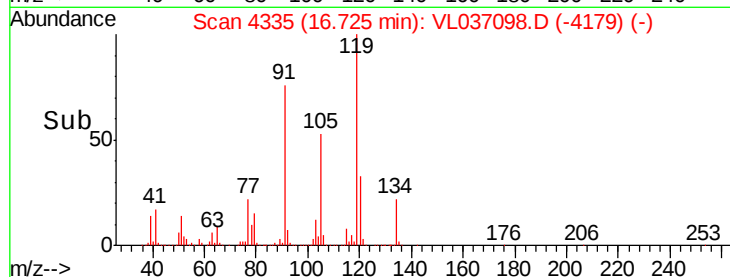
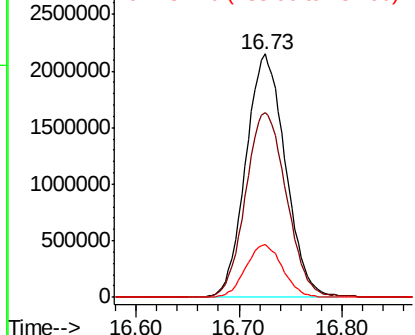
#65
tert-Butylbenzene
Concen: 7.799 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:119 Resp: 5724640
Ion Ratio Lower Upper
119 100
91 78.8 61.9 92.9
134 20.4 16.2 24.4

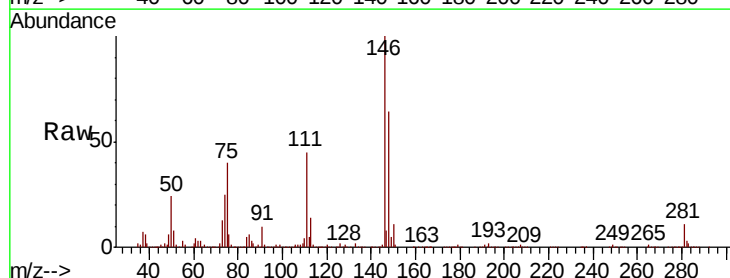


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

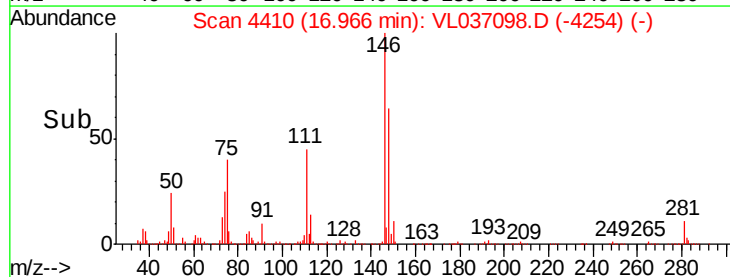
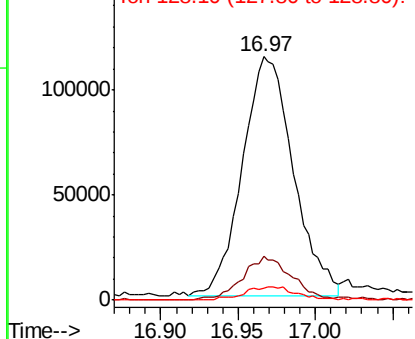


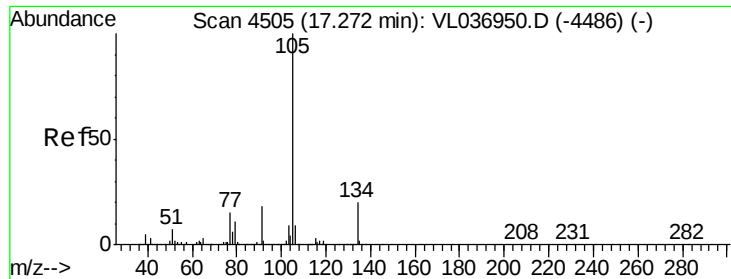
#66
Benzyl Chloride
Concen: 6.467 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. 0.00 min
Lab File: VL037098.D
Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 263373
Ion Ratio Lower Upper
91 100
126 18.4 16.5 24.7
128 6.0 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: 7.656 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

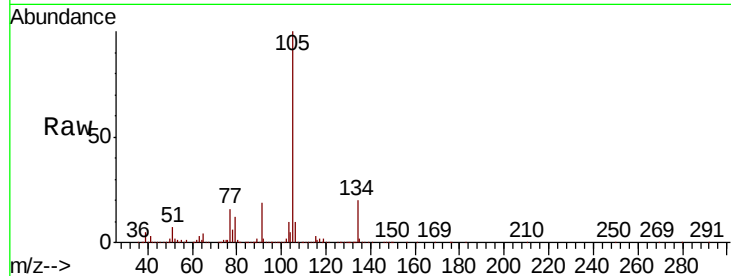
ClientSampleId :

Tot Ion:105 Resp: 7665597

Ion Ratio Lower Upper

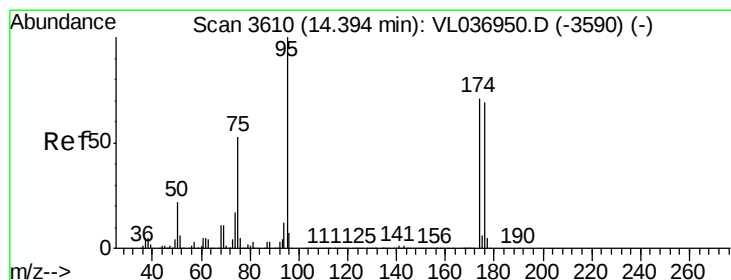
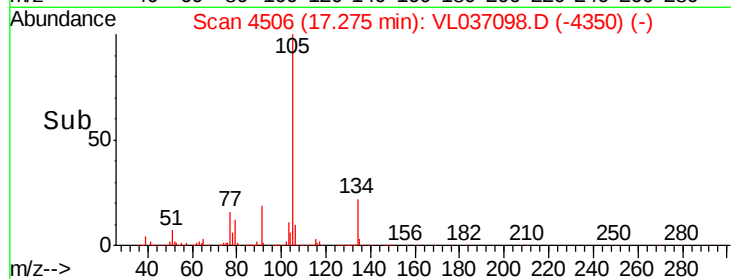
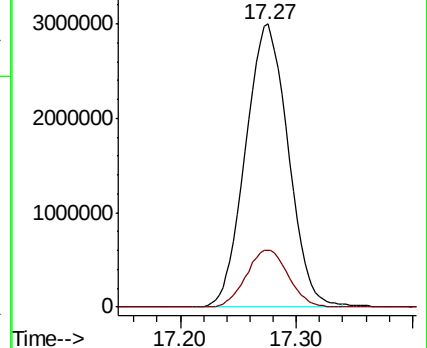
105 100

134 20.1 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: 8.335 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

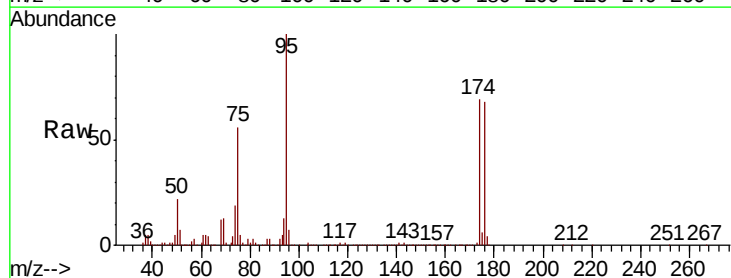
Tgt Ion: 95 Resp: 3184872

Ion Ratio Lower Upper

95 100

174 71.6 58.4 87.6

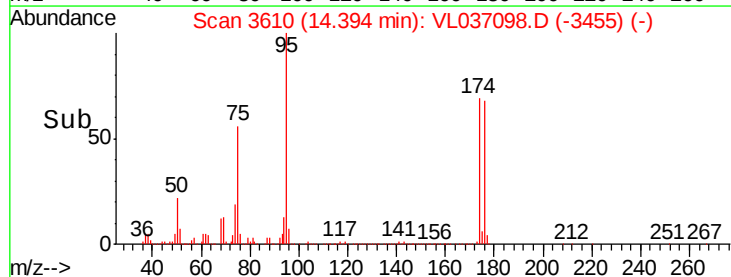
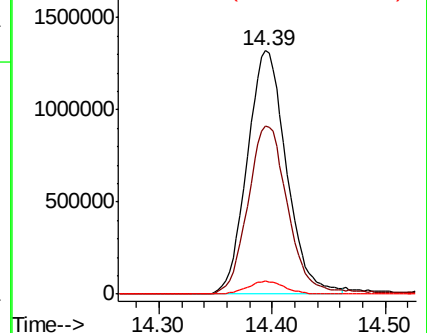
175 5.5 4.4 6.6

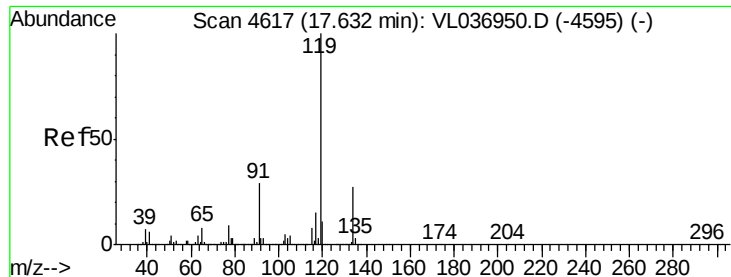


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.914 ppbv

RT: 17.63 min Scan# 4617

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

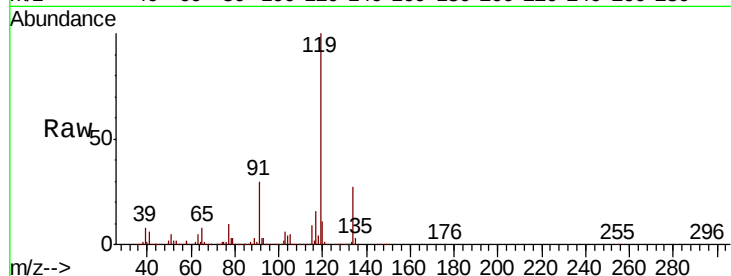
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 6813486

Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	28.7	22.2	33.4

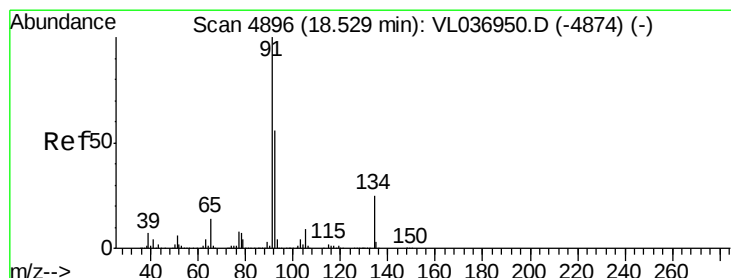
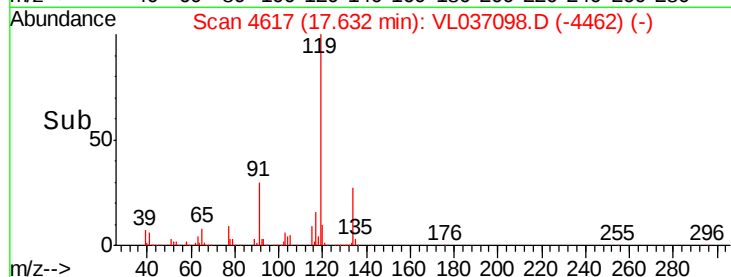
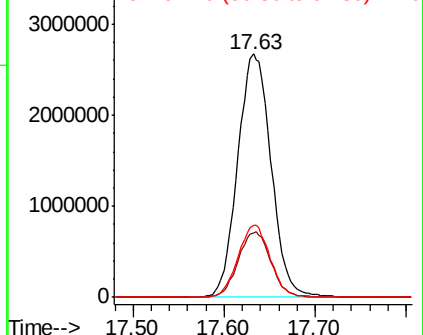


Abundance

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: 8.075 ppbv

RT: 18.53 min Scan# 4897

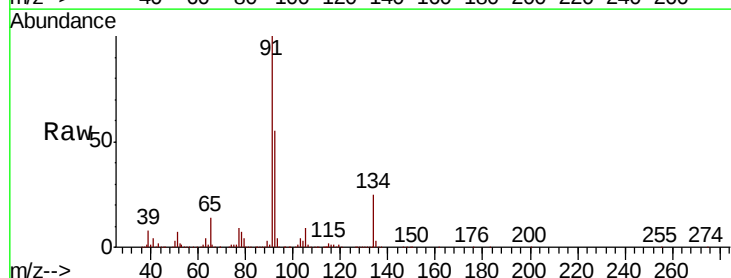
Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Tgt Ion: 91 Resp: 6603770

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.6	66.8
134	25.5	20.2	30.2

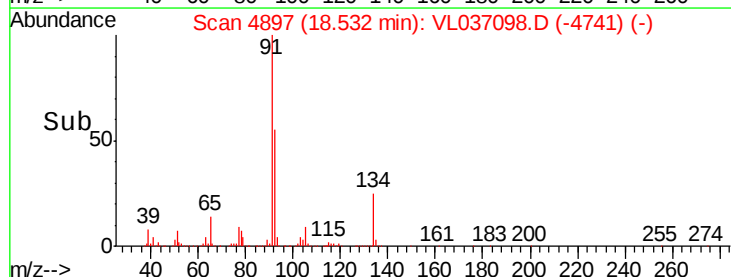
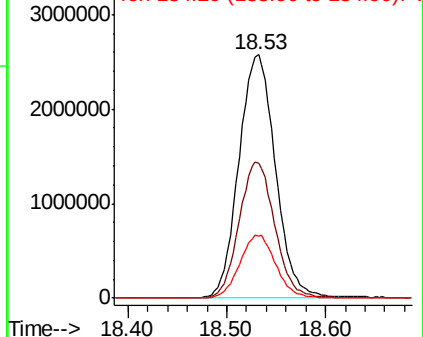


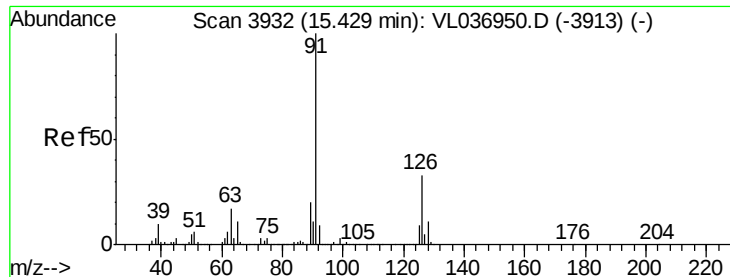
Abundance

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

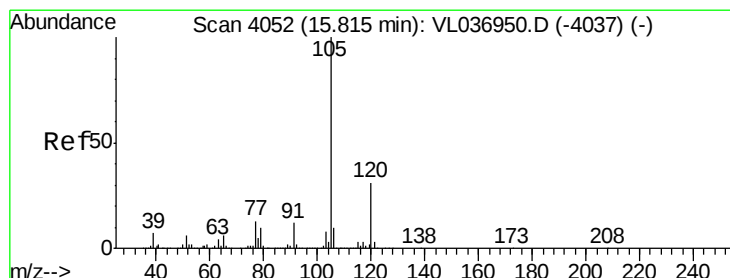
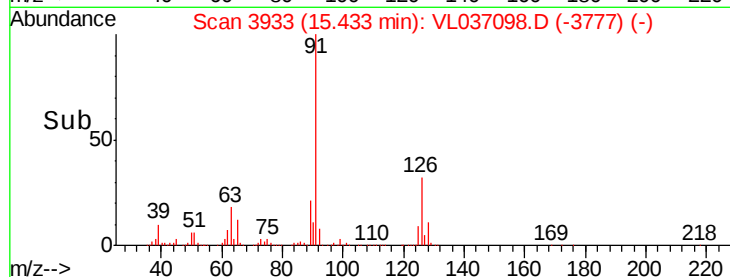
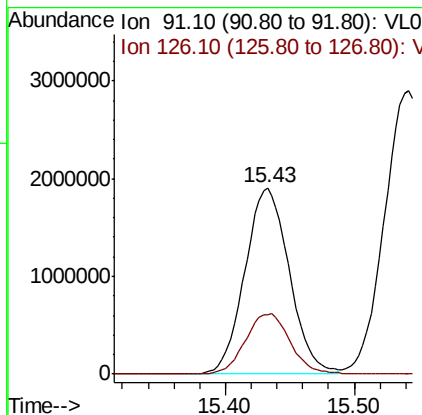
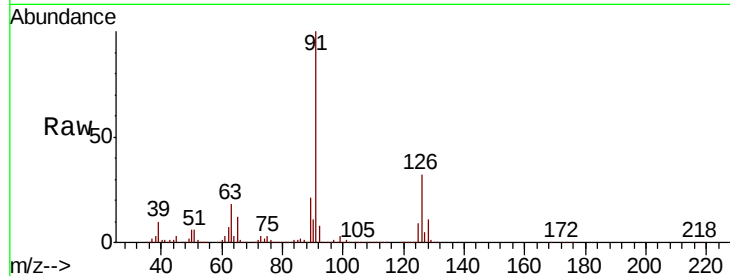




#71
 2-Chlorotoluene
 Concen: 7.773 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

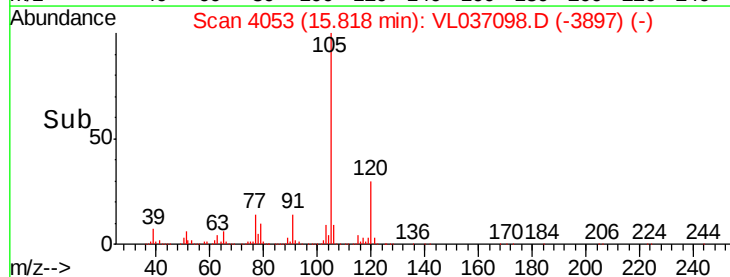
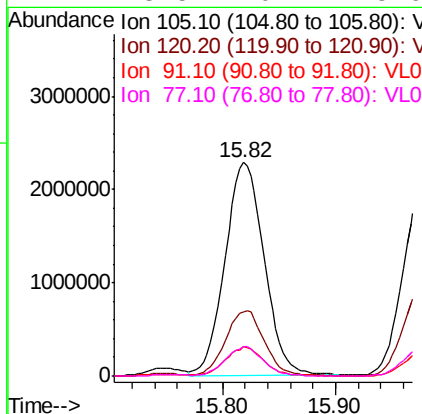
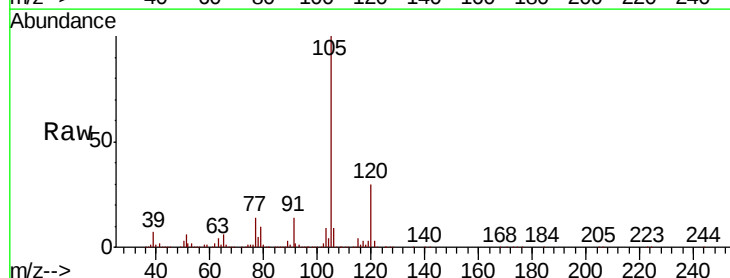
Instrument :
 MSVOA_L
 ClientSampleId :

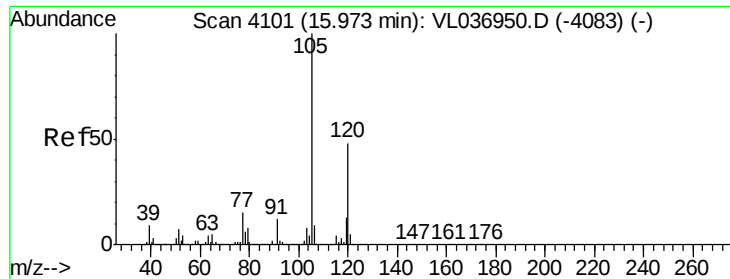
Tot Ion: 91 Resp: 4566909
 Ion Ratio Lower Upper
 91 100
 126 33.4 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.143 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion:105 Resp: 5469993
 Ion Ratio Lower Upper
 105 100
 120 30.6 24.6 37.0
 91 13.0 9.8 14.6
 77 13.5 10.4 15.6

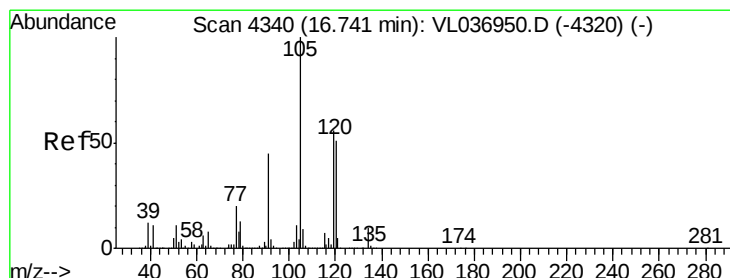
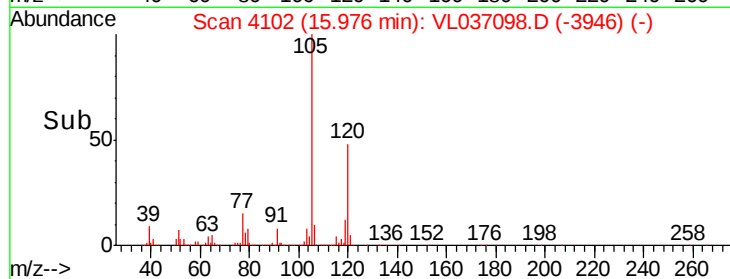
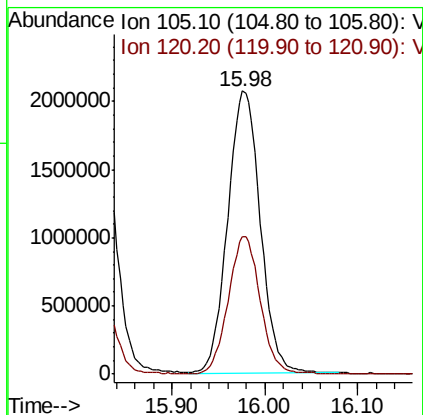
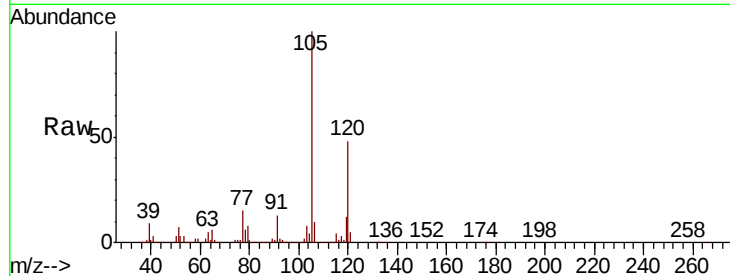




#73
 1,3,5-Trimethylbenzene
 Concen: 7.990 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

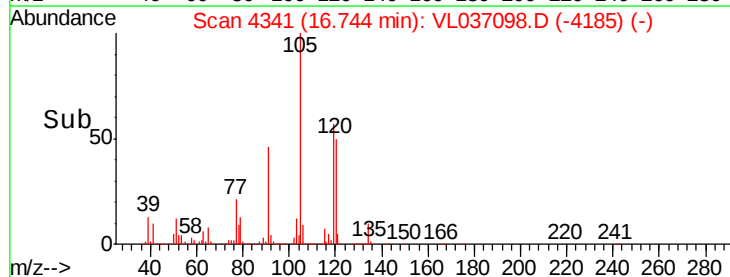
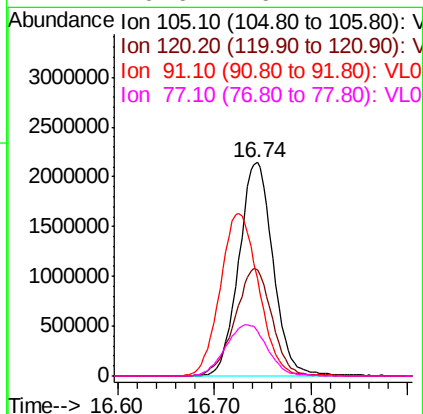
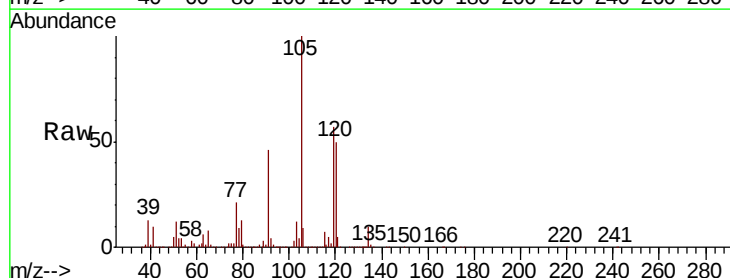
Instrument :
 MSVOA_L
 ClientSampleId :

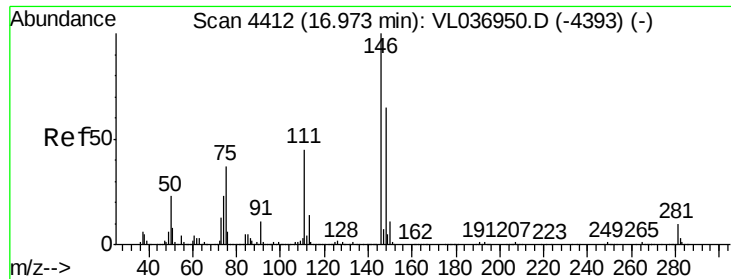
Tot Ion:105 Resp: 5040132
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.070 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion:105 Resp: 5263744
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.6 61.0
 91 45.5 37.4 56.0
 77 20.6 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 8.235 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

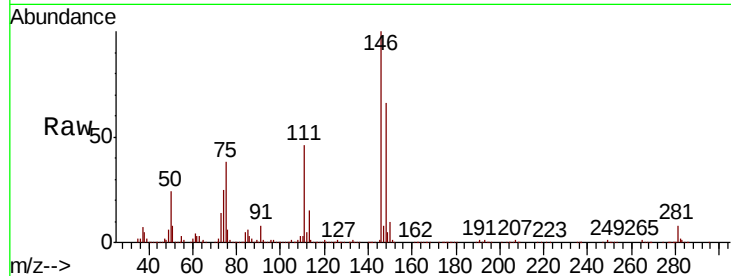
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 3279847

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.2	66.6
148	64.2	32.3	96.8

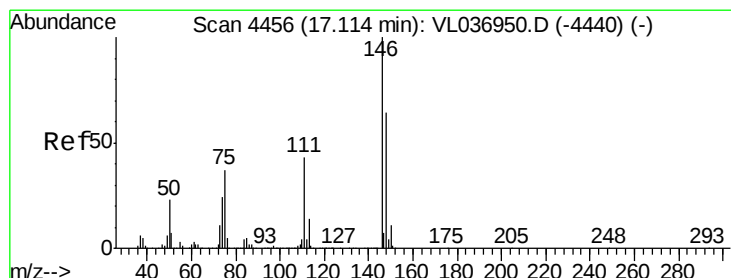
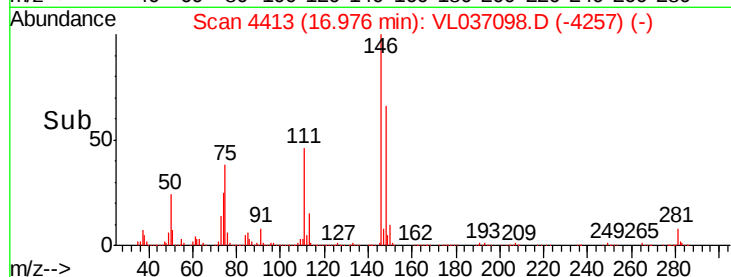
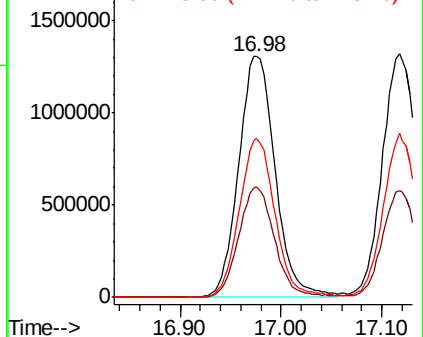


Abundance

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: 7.976 ppbv

RT: 17.12 min Scan# 4457

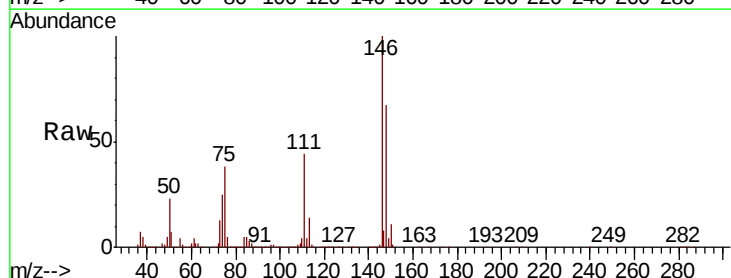
Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Tgt Ion:146 Resp: 3211896

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.6	67.7
148	66.3	33.5	100.5

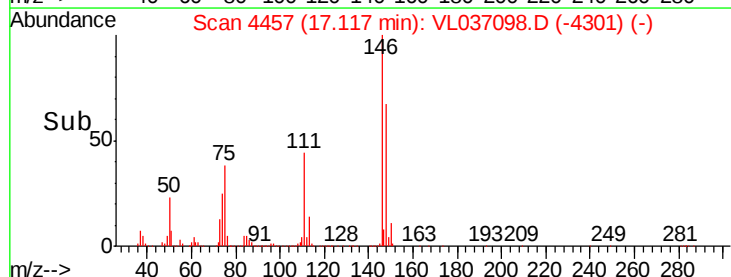
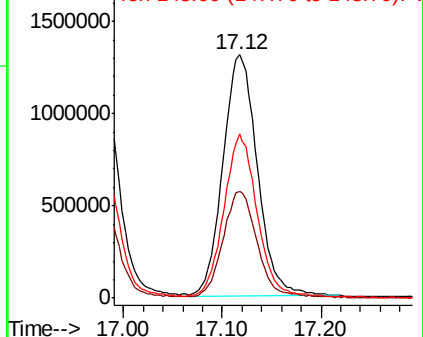


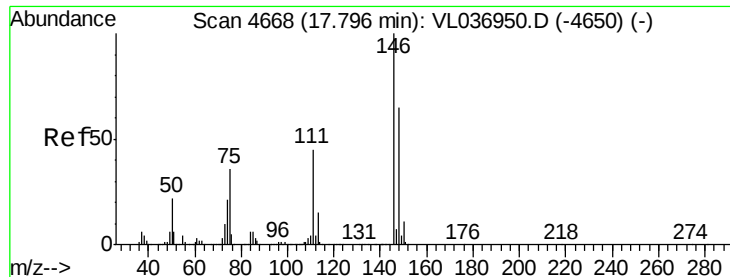
Abundance

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

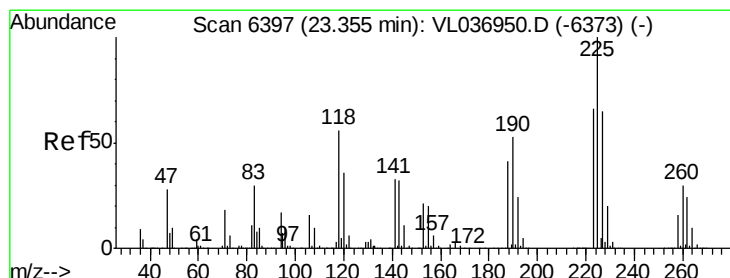
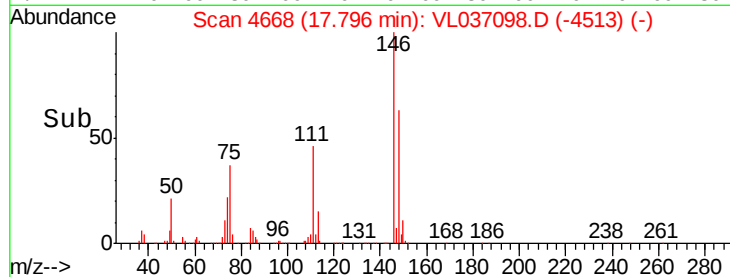
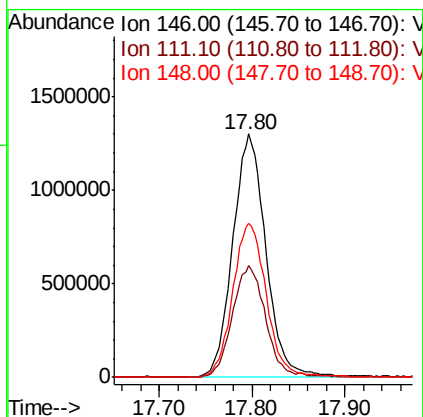
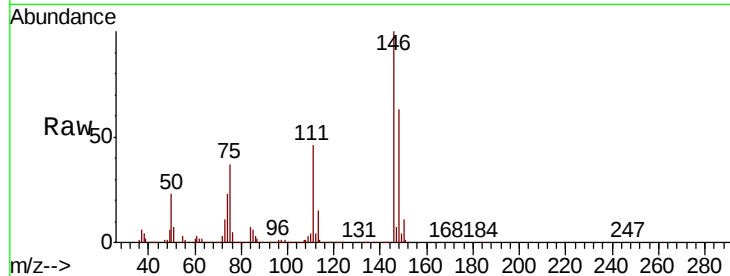




#77
 1,2-Dichlorobenzene
 Concen: 8.014 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

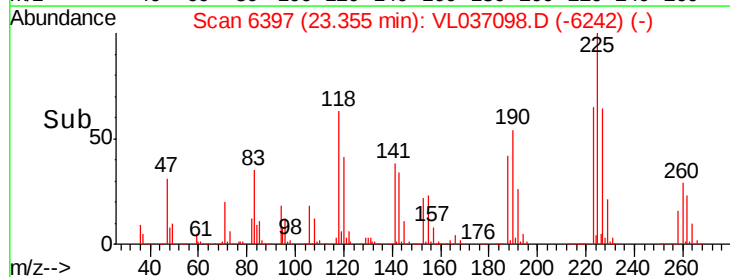
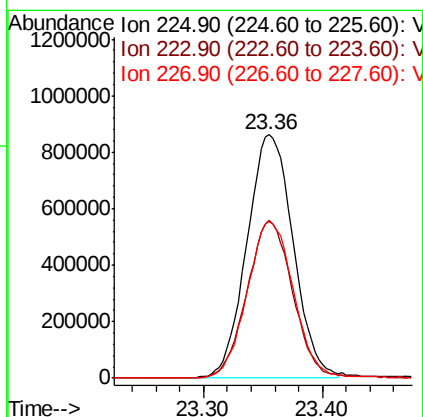
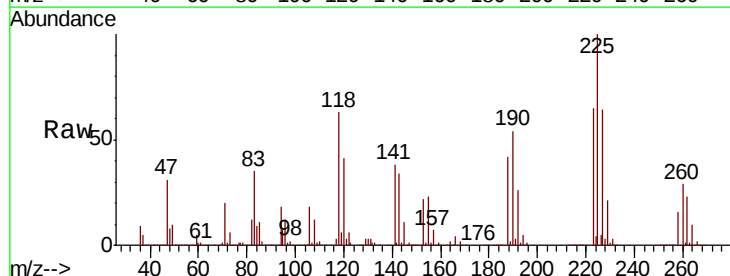
Instrument :
 MSVOA_L
 ClientSampleId :

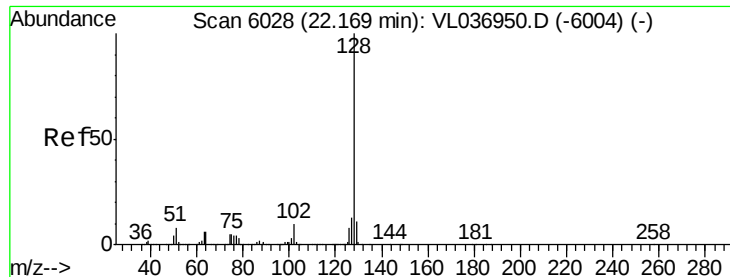
Tot Ion:146 Resp: 3198115
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.1 69.2
 148 64.6 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.230 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Tgt Ion:225 Resp: 2320287
 Ion Ratio Lower Upper
 225 100
 223 64.8 51.9 77.9
 227 65.1 51.8 77.6





#79

Naphthalene

Concen: 8.944 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

Instrument :

MSVOA_L

ClientSampled :

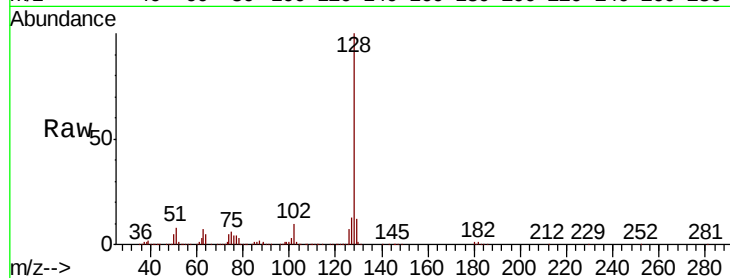
Tot Ion:128 Resp: 4577555

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

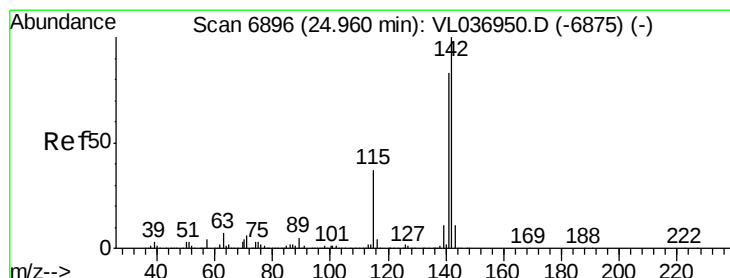
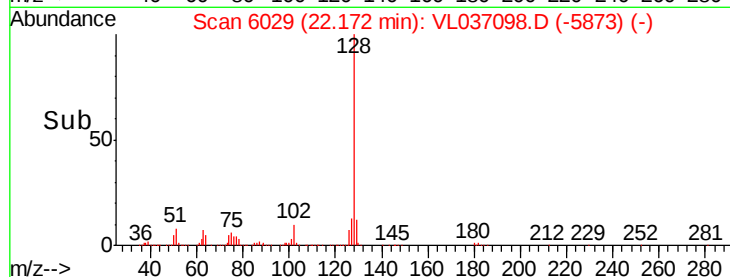
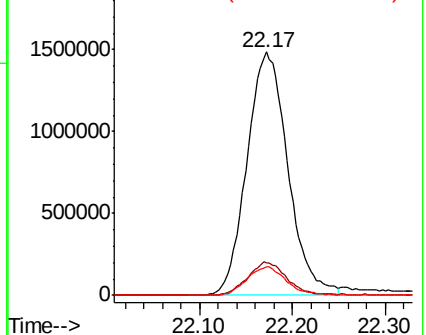
129 11.9 9.0 13.6



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: 9.194 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL037098.D

Acq: 2 Jun 2021 11:10

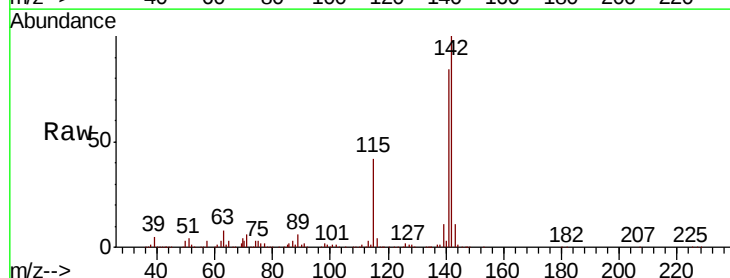
Tgt Ion:142 Resp: 1023200

Ion Ratio Lower Upper

142 100

141 91.9 69.3 103.9

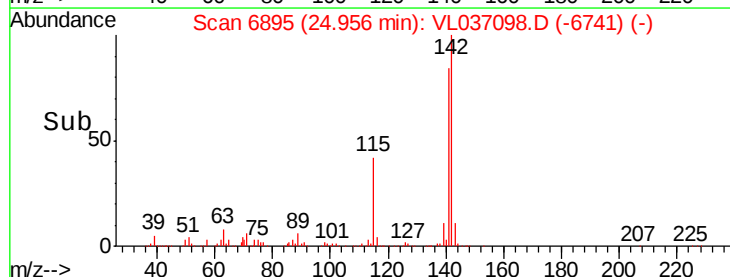
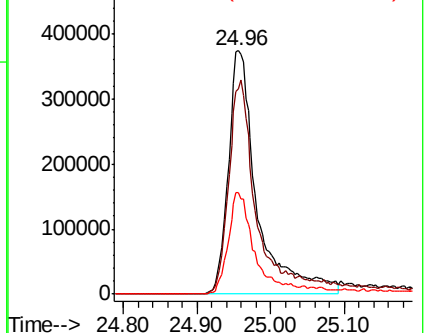
115 42.2 29.1 43.7

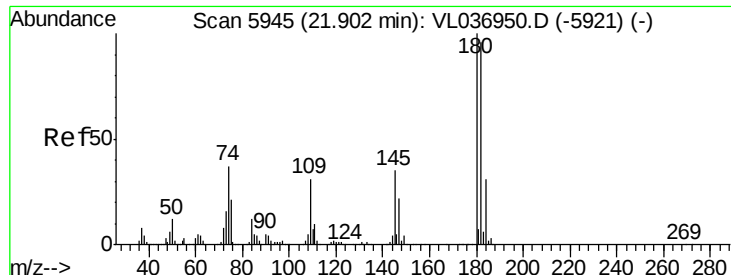


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

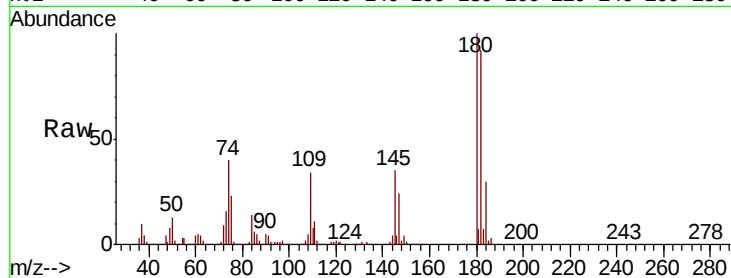




#81
 1,2,4-Trichlorobenzene
 Concen: 8.345 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037098.D
 Acq: 2 Jun 2021 11:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2603543
 Ion Ratio Lower Upper
 180 100
 182 102.1 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

