

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034730.D
 Acq On : 28 Feb 2020 5:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 28 07:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1114291	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2378533	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3016452	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1991086	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1807961	10.285	ppbv 96
3) Chlorodifluoromethane	2.96	51	1212355	10.082	ppbv 97
4) Chloromethane	3.11	50	718283	10.670	ppbv 99
5) Vinyl Chloride	3.23	62	667787	10.112	ppbv 97
6) Bromomethane	3.45	94	382146	9.877	ppbv 92
7) Chloroethane	3.53	64	242434	9.889	ppbv 94
8) Dichlorotetrafluoroethane	3.16	85	1439609	9.259	ppbv 97
9) Propene	2.98	41	584877	11.635	ppbv 99
10) Heptane	8.14	43	1463432	11.311	ppbv 98
11) Trichlorofluoromethane	3.93	101	1461567	9.493	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1035554	9.542	ppbv 96
13) Ethanol	3.58	45	123817	7.797	ppbv 99
14) Bromoethene	3.72	108	461898	10.201	ppbv 100
15) Acetone	3.83	43	1249254	9.839	ppbv 100
16) 1,3-Butadiene	3.30	39	637223	10.841	ppbv 96
17) tert-Butyl alcohol	4.28	59	935734	9.617	ppbv 98
18) 1,1-Dichloroethene	4.27	96	479548	9.842	ppbv 93
19) Isopropyl Alcohol	3.95	45	691422	9.142	ppbv # 99
20) Methylene Chloride	4.33	84	413185	8.750	ppbv 96
21) Allyl Chloride	4.40	41	876594	10.434	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	487568	10.263	ppbv 96
23) Vinyl Acetate	5.07	43	2086679	12.088	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1333377	9.672	ppbv 100
25) Ethyl Acetate	5.68	43	2404635	10.698	ppbv 99
26) Hexane	5.69	57	1062198	10.253	ppbv 96
27) Carbon Disulfide	4.54	76	1212820	10.313	ppbv 97
28) Methyl tert-Butyl Ether	5.02	73	1691489	11.429	ppbv 100
29) Chloroform	5.75	83	1596952	9.675	ppbv 98
30) Cyclohexane	7.14	84	889147	11.075	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1115831	10.945	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1555337	10.091	ppbv 99
34) 2-Butanone	5.24	43	1625791	10.859	ppbv 98
35) Carbon Tetrachloride	7.03	117	1571541	9.866	ppbv 98
36) Benzene	6.90	78	2140634	10.420	ppbv 96
37) 1,2-Dichloroethane	6.32	62	1251720	9.666	ppbv 99
38) Trichloroethene	7.85	130	790038	9.977	ppbv 93
39) 1,2-Dichloropropane	7.63	63	866013	10.596	ppbv 94
40) 1,4-Dioxane	7.85	88	287639	10.349	ppbv 80
41) Tetrahydrofuran	6.05	42	938020	11.870	ppbv 98
42) Bromodichloromethane	7.81	83	1713735	10.108	ppbv 96
43) Methyl Methacrylate	8.03	69	989166	11.448	ppbv 97

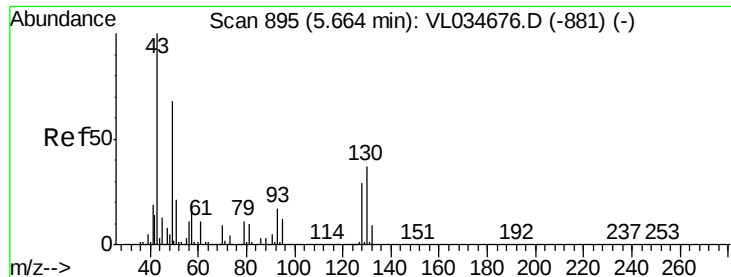
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034730.D
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Quant Time: Feb 28 07:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3655688	10.182	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	1147143	12.166	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1341526	11.863	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	859145	10.246	ppbv	96
48) Dibromochloromethane	10.34	129	1384553	10.619	ppbv	98
49) Bromoform	13.09	173	1190104	10.528	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2402109	11.328	ppbv	99
51) 2-Hexanone	10.16	43	1990905	11.931	ppbv	98
52) Tetrachloroethene	11.26	164	720246	9.565	ppbv	97
53) Toluene	9.83	91	2439457	11.165	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1292358	10.331	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1028417	8.005	ppbv #	62
57) Chlorobenzene	12.19	112	1760118	7.895	ppbv	98
58) Ethyl Benzene	12.75	91	3224375	8.835	ppbv	97
59) m/p-Xylene	13.03	91	109577	0.344	ppbv #	1
60) o-Xylene	13.73	91	2549858	8.073	ppbv	100
61) Styrene	13.57	104	1873616	9.234	ppbv	98
62) Isopropylbenzene	14.71	105	3726430	8.087	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	1772759	7.201	ppbv	99
64) n-propylbenzene	15.60	120	977581	8.230	ppbv	97
65) tert-Butylbenzene	16.79	119	3201970	8.048	ppbv	99
66) Benzyl Chloride	17.04	91	1456325	9.813	ppbv	100
67) sec-Butylbenzene	17.35	105	4559046	7.963	ppbv	100
69) p-Isopropyltoluene	17.70	119	3821435	8.108	ppbv	99
70) n-Butylbenzene	18.60	91	4106234	8.001	ppbv	99
71) 2-Chlorotoluene	15.50	91	2885162	8.085	ppbv	100
72) 4-Ethyltoluene	15.88	105	3016886	8.581	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2822107	8.344	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	2913392	7.800	ppbv	92
75) 1,3-Dichlorobenzene	17.05	146	1657963	7.690	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1691191	7.840	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1653878	7.935	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1519958	8.375	ppbv	99
79) Naphthalene	22.27	128	2989696	9.095	ppbv	96
80) Naphthalene, 2-methyl-	25.02	142	1211146	11.946	ppbv	97
81) 1,2,4-Trichlorobenzene	22.00	180	1724574	8.791	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

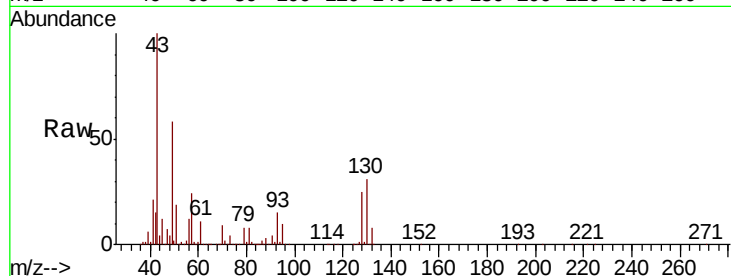
Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1114291

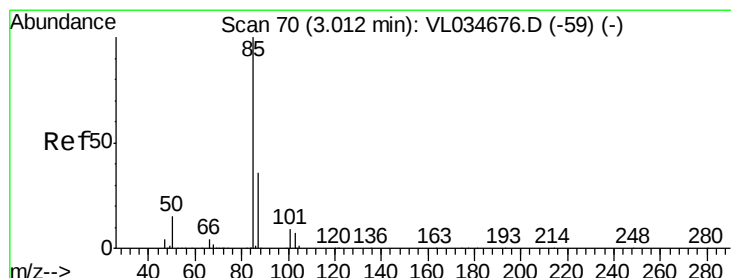
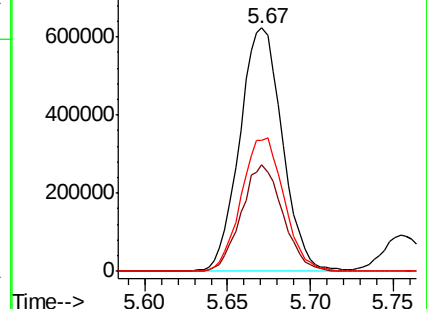
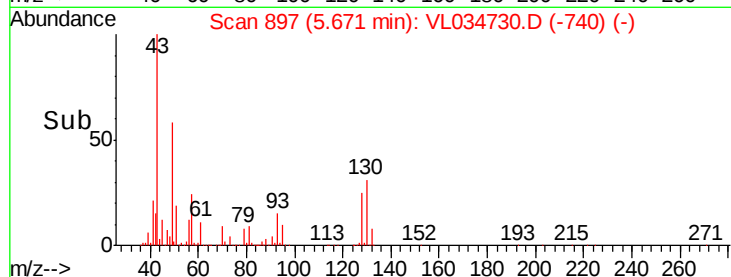
Ion	Ratio	Lower	Upper
49	100		
128	42.7	21.6	65.0
130	55.4	27.7	83.1



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: 10.285 ppbv

RT: 3.02 min Scan# 72

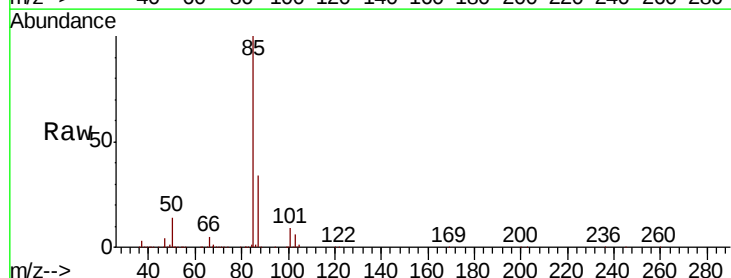
Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

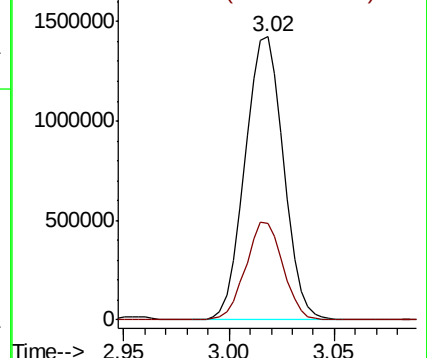
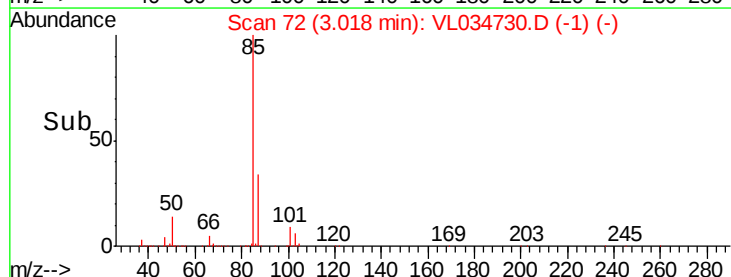
Tgt Ion: 85 Resp: 1807961

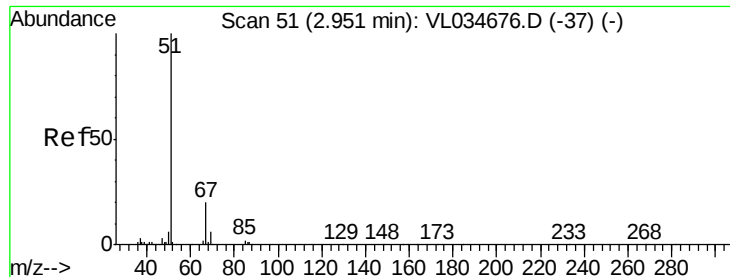
Ion	Ratio	Lower	Upper
85	100		
87	34.3	29.2	43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.082 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

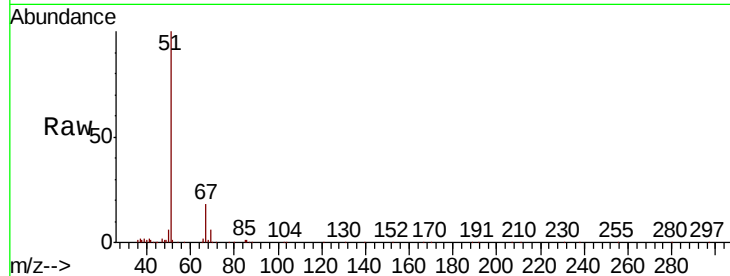
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1212355

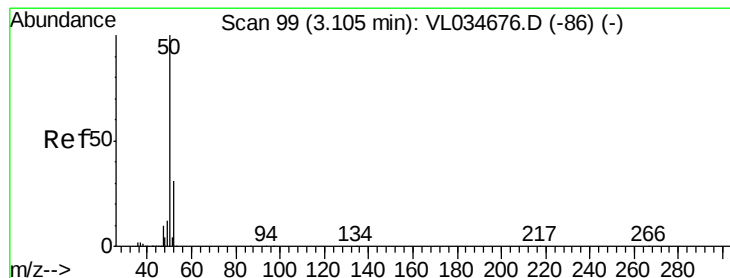
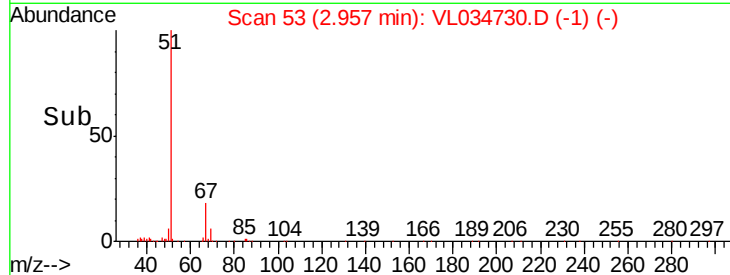
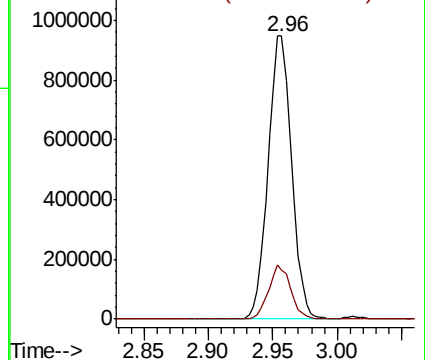
Ion Ratio Lower Upper

51 100

67 17.8 15.5 23.3



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



#4

Chloromethane

Concen: 10.670 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034730.D

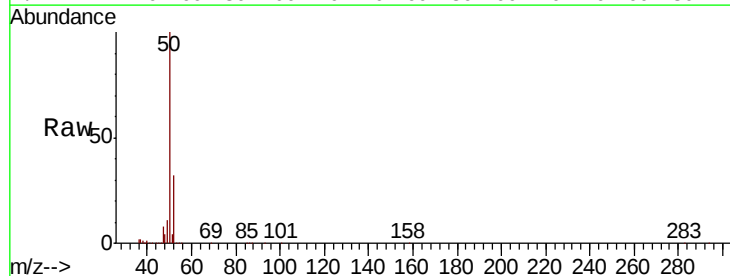
Acq: 28 Feb 2020 5:12

Tgt Ion: 50 Resp: 718283

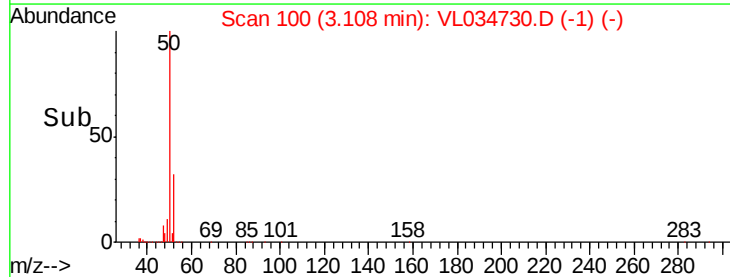
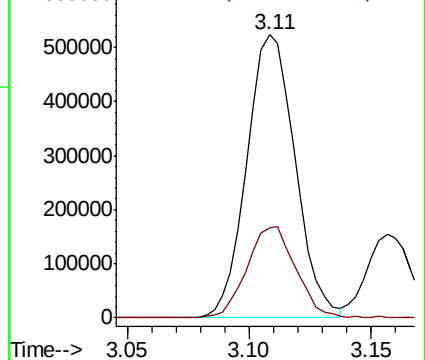
Ion Ratio Lower Upper

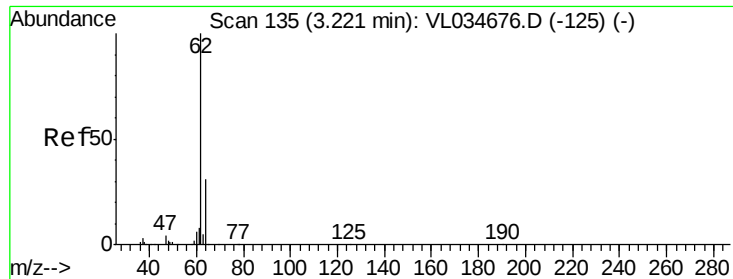
50 100

52 32.0 25.0 37.4



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





#5

Vinyl Chloride

Concen: 10.112 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

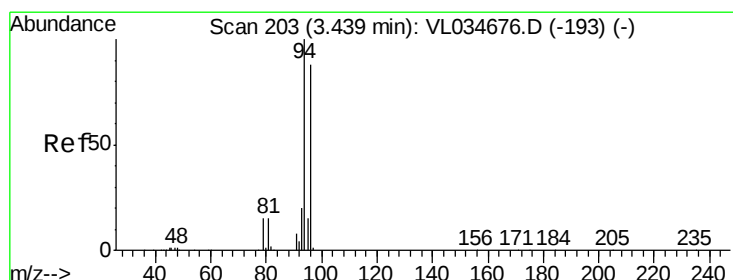
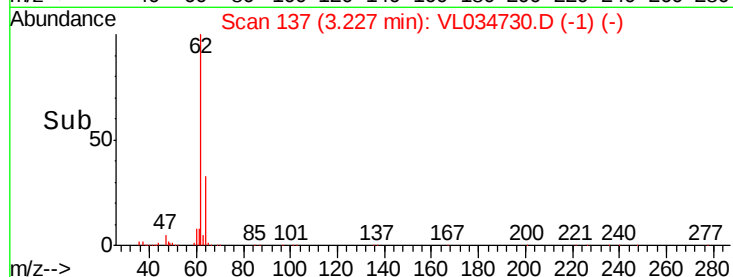
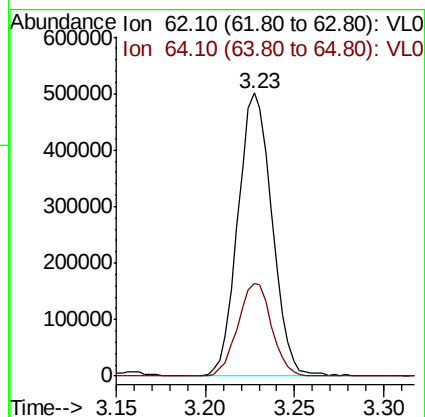
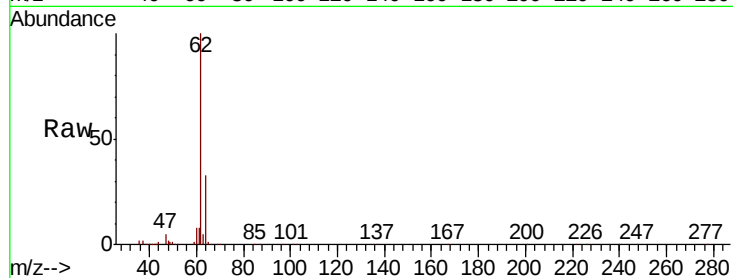
ClientSampleId :

Tot Ion: 62 Resp: 667787

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1



#6

Bromomethane

Concen: 9.877 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034730.D

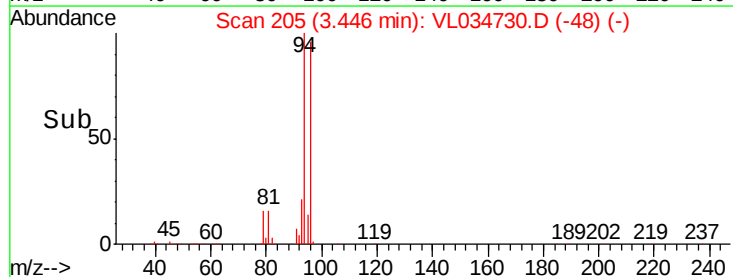
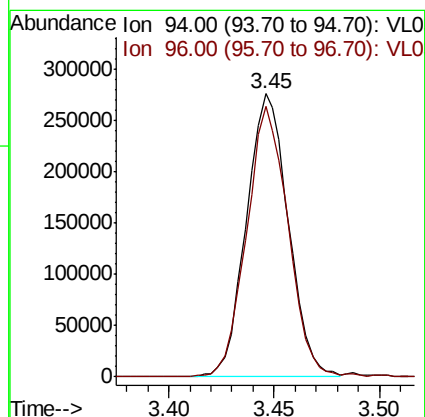
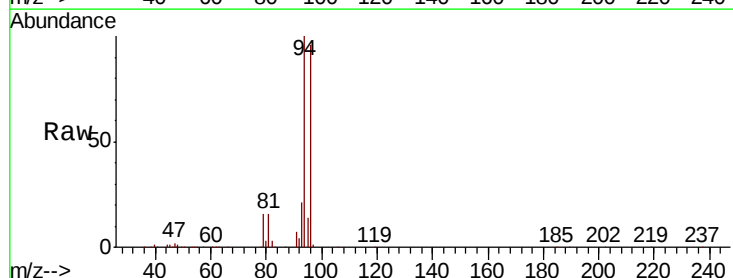
Acq: 28 Feb 2020 5:12

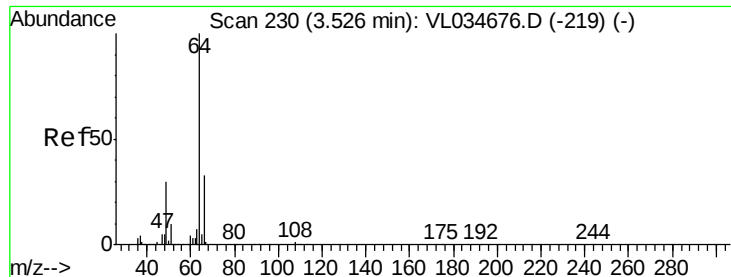
Tgt Ion: 94 Resp: 382146

Ion Ratio Lower Upper

94 100

96 95.5 70.5 105.7





#7

Chloroethane

Concen: 9.889 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

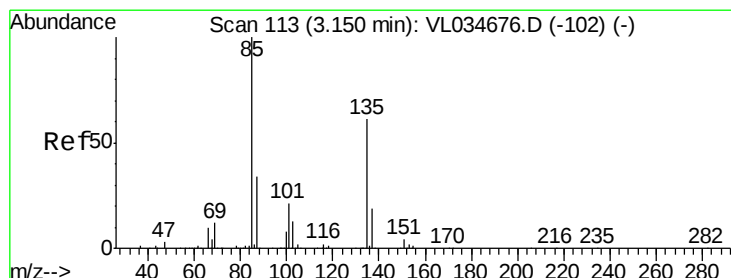
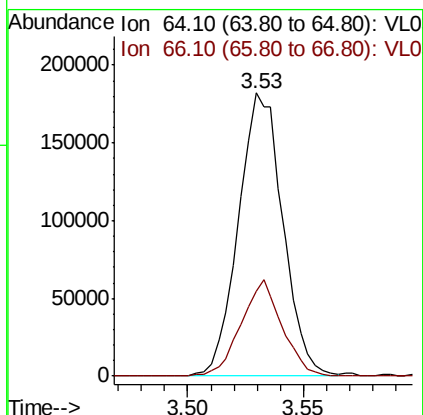
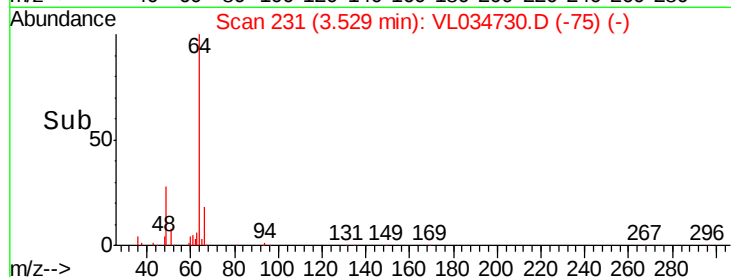
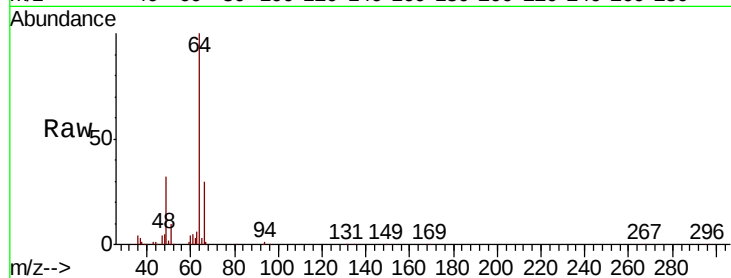
ClientSampleId :

Tot Ion: 64 Resp: 242434

Ion Ratio Lower Upper

64 100

66 30.2 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 9.259 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034730.D

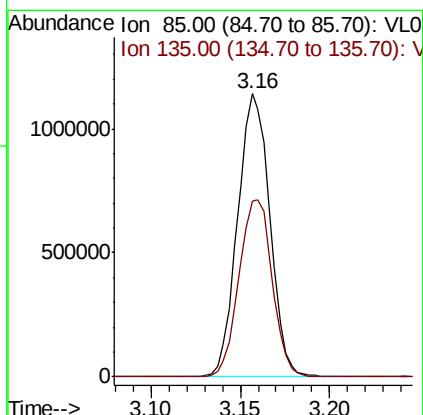
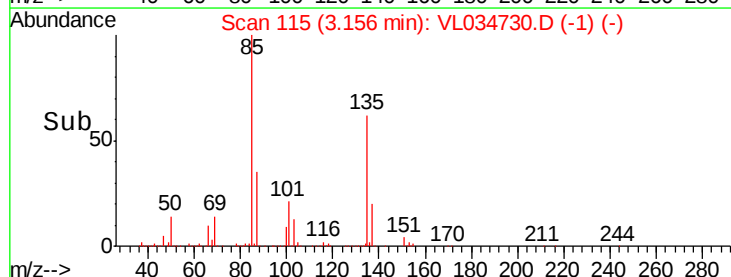
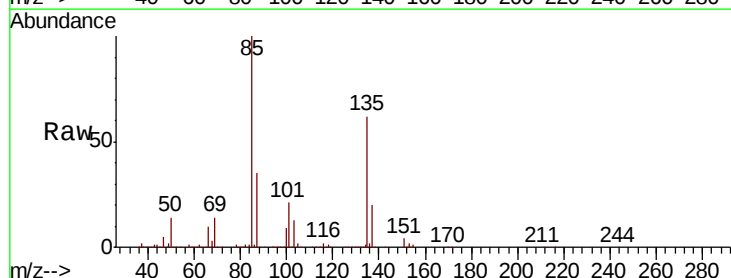
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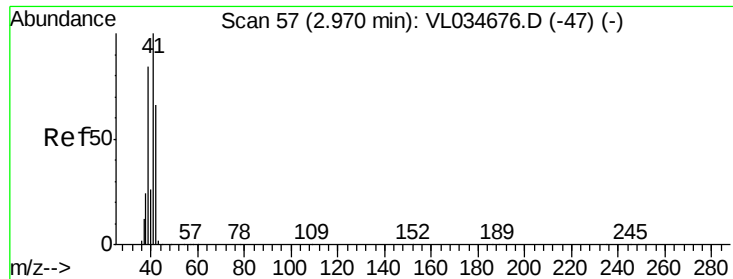
Tgt Ion: 85 Resp: 1439609

Ion Ratio Lower Upper

85 100

135 64.8 49.8 74.6





#9

Propene

Concen: 11.635 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

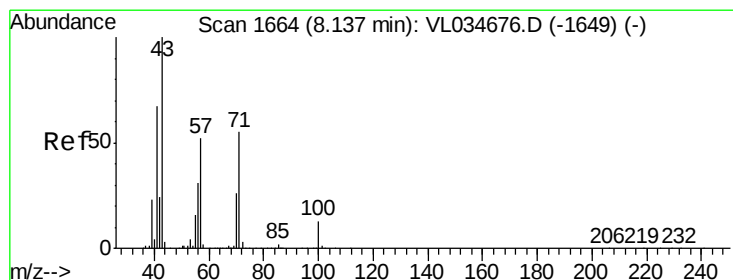
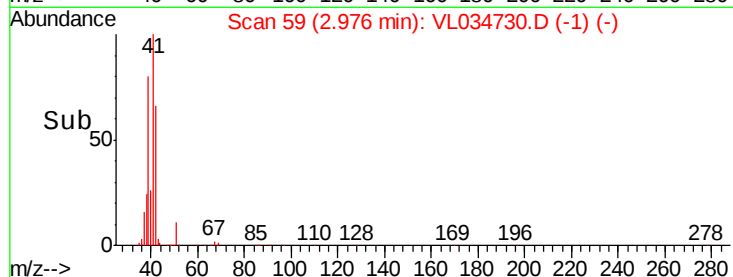
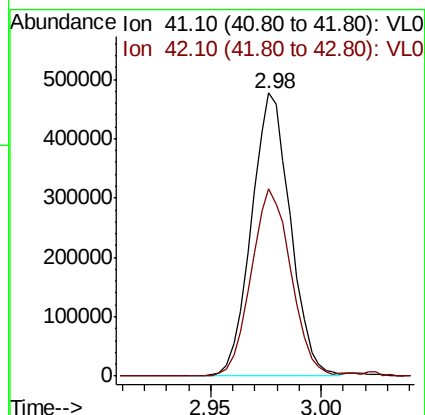
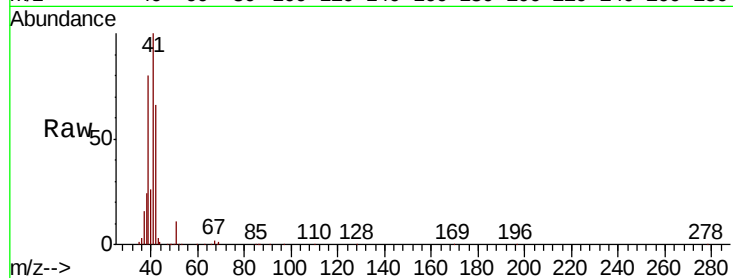
ClientSampleId :

Tot Ion: 41 Resp: 584877

Ion Ratio Lower Upper

41 100

42 69.0 54.9 82.3



#10

Heptane

Concen: 11.311 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL034730.D

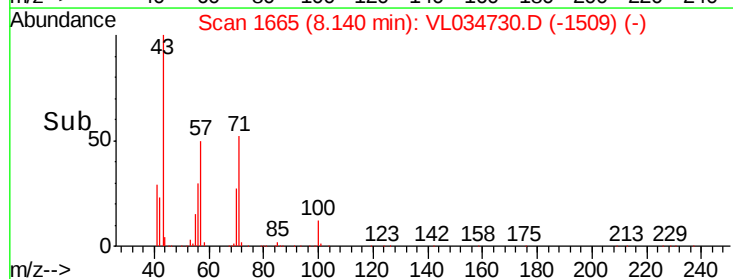
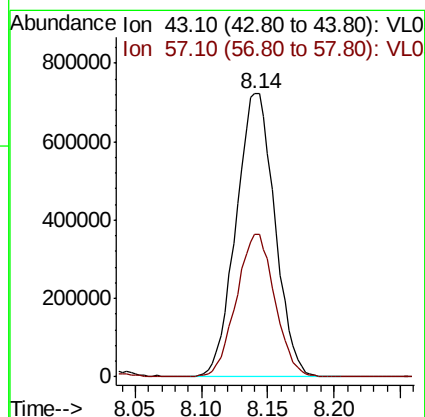
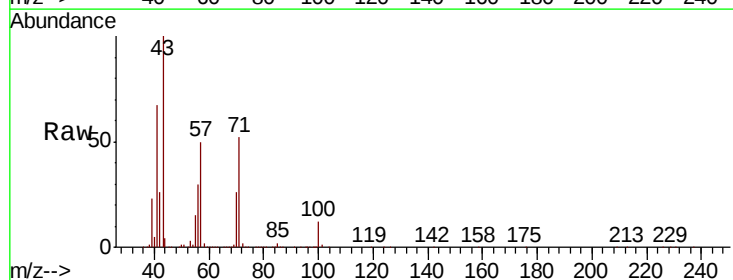
Acq: 28 Feb 2020 5:12

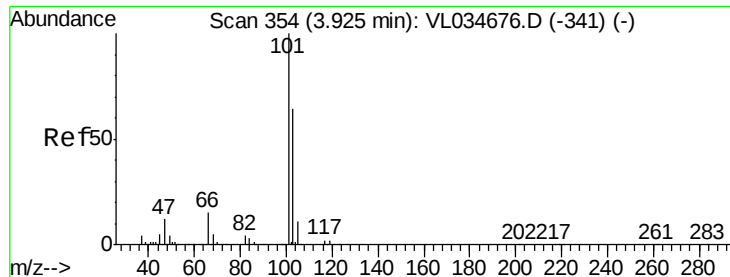
Tgt Ion: 43 Resp: 1463432

Ion Ratio Lower Upper

43 100

57 50.1 41.0 61.6

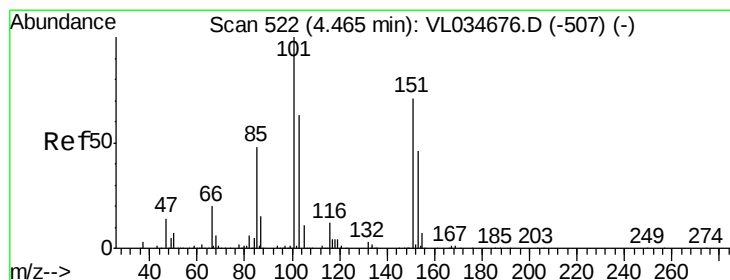
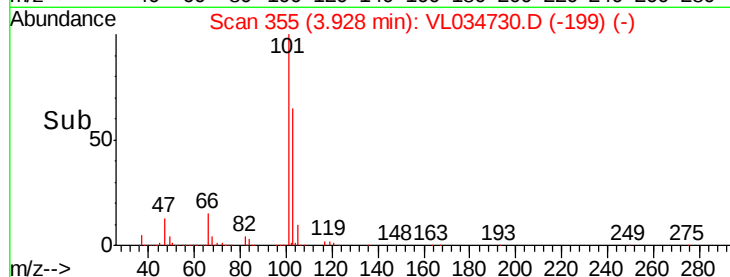
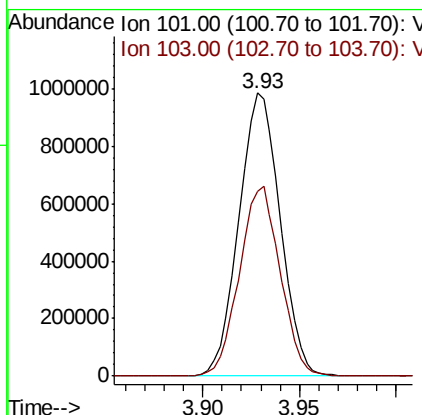
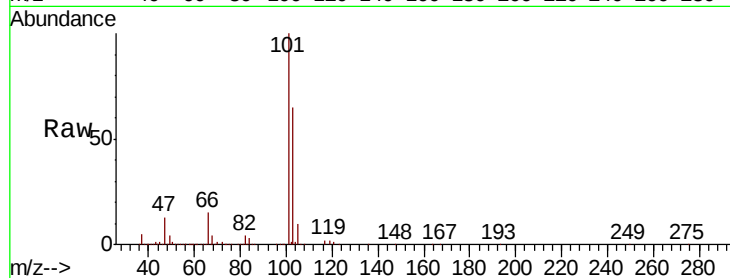




#11
 Trichlorofluoromethane
 Concen: 9.493 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

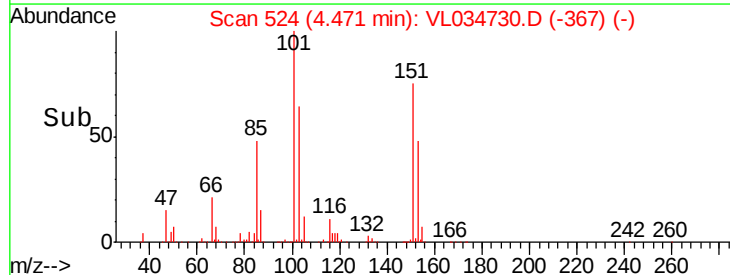
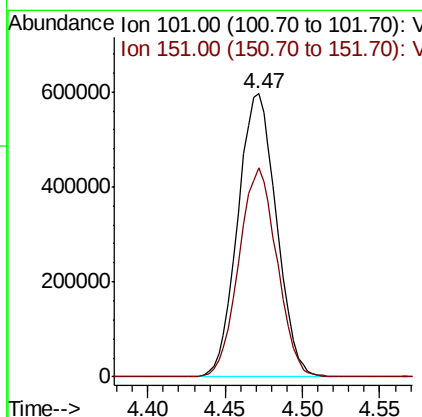
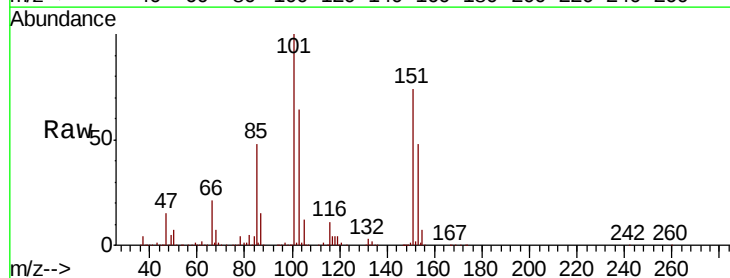
Instrument :
 MSVOA_L
 ClientSampled :

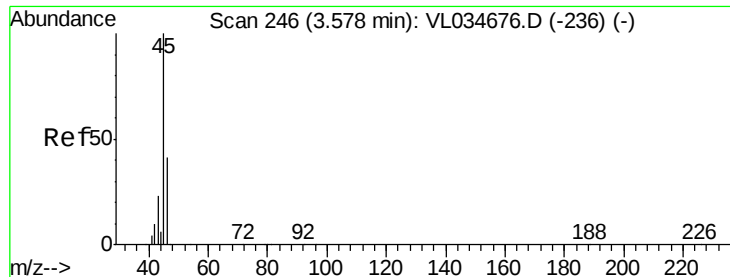
Tot Ion:101 Resp: 1461567
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.542 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion:101 Resp: 1035554
 Ion Ratio Lower Upper
 101 100
 151 72.9 55.8 83.6





#13

Ethanol

Concen: 7.797 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

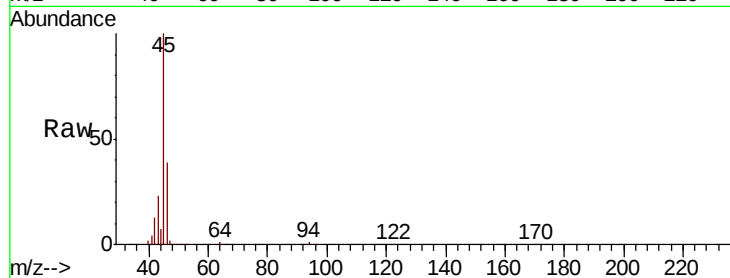
ClientSampled :

Tot Ion: 45 Resp: 123817

Ion Ratio Lower Upper

45 100

46 38.9 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.58

80000

60000

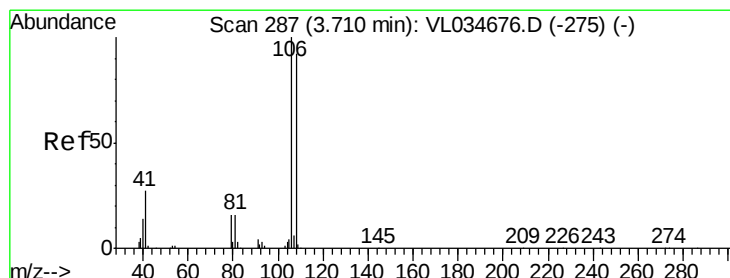
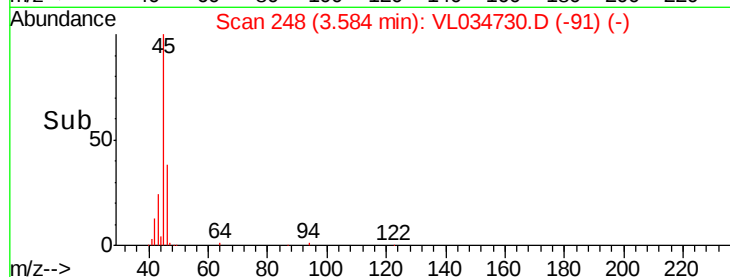
40000

20000

0

3.55 3.60

Time-->



#14

Bromoethene

Concen: 10.201 ppbv

RT: 3.72 min Scan# 289

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

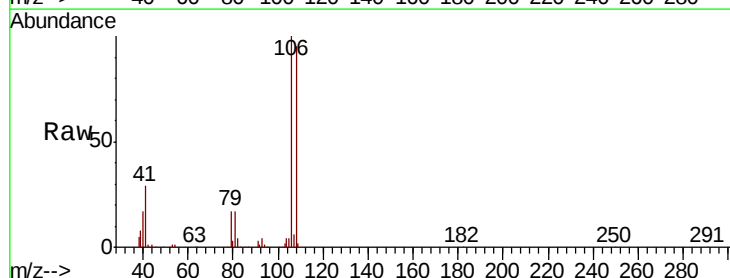
Tgt Ion: 108 Resp: 461898

Ion Ratio Lower Upper

108 100

106 108.0 86.7 130.1

79 18.5 15.0 22.6



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

500000

400000

300000

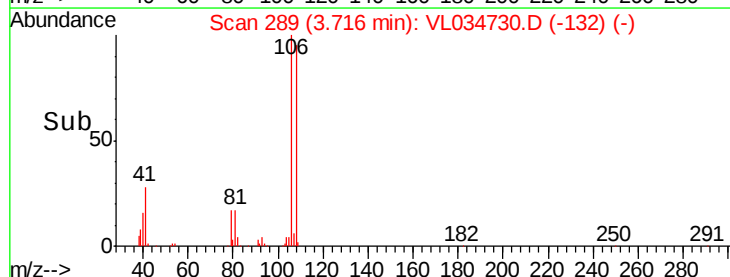
200000

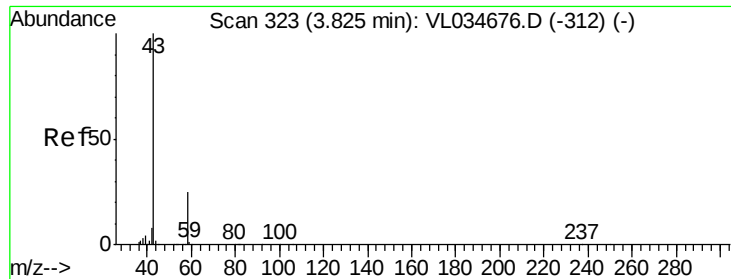
100000

0

3.65 3.70 3.75

Time-->

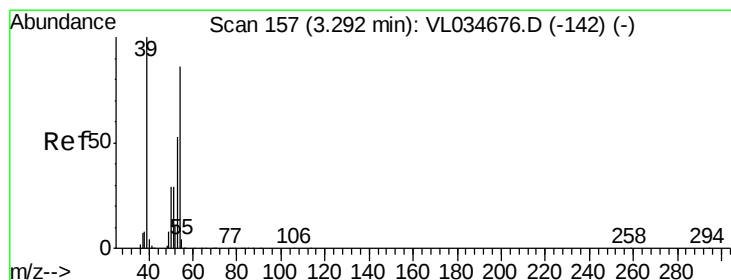
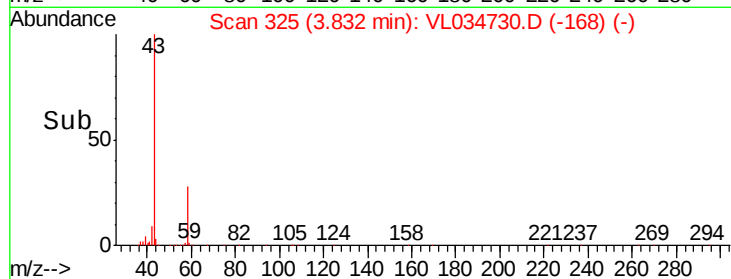
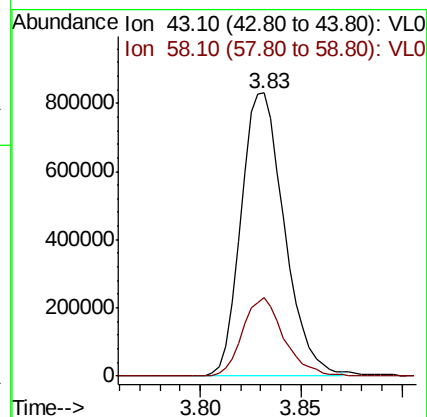
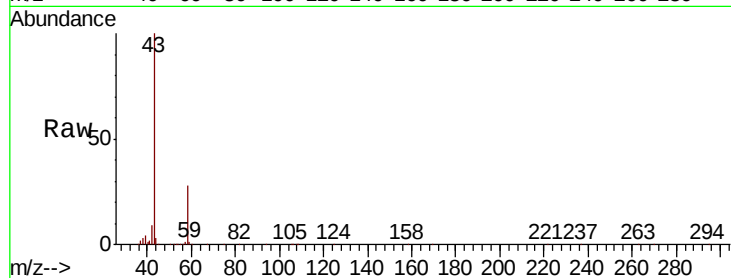




#15
Acetone
Concen: 9.839 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

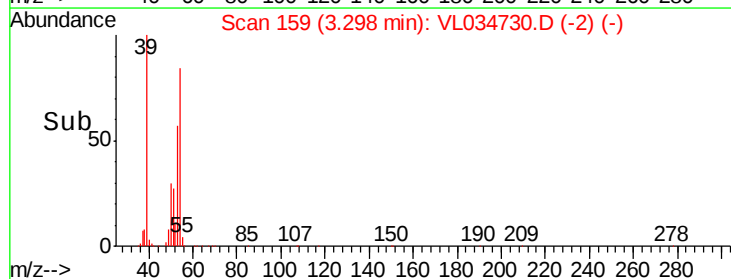
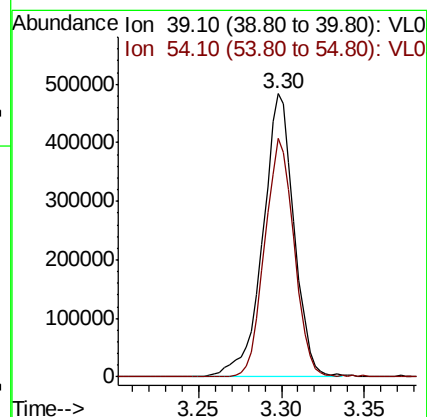
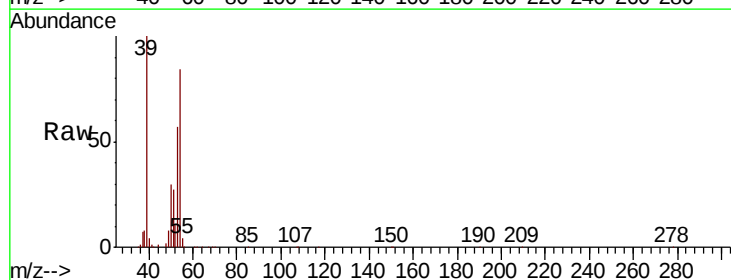
Instrument :
MSVOA_L
ClientSampleId :

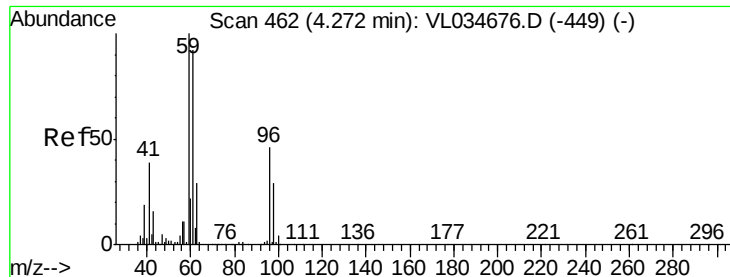
Tot Ion: 43 Resp: 1249254
Ion Ratio Lower Upper
43 100
58 26.6 21.4 32.0



#16
1,3-Butadiene
Concen: 10.841 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion: 39 Resp: 637223
Ion Ratio Lower Upper
39 100
54 79.9 67.0 100.6



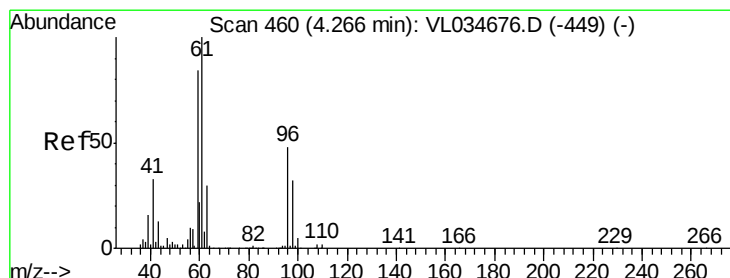
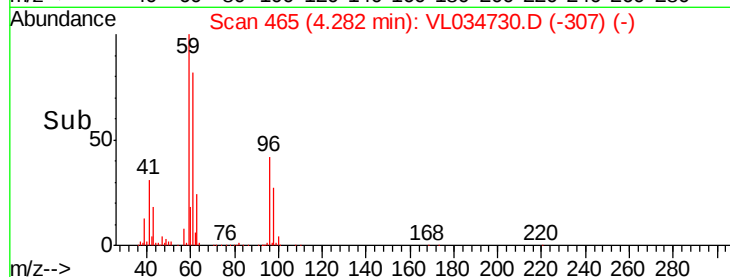
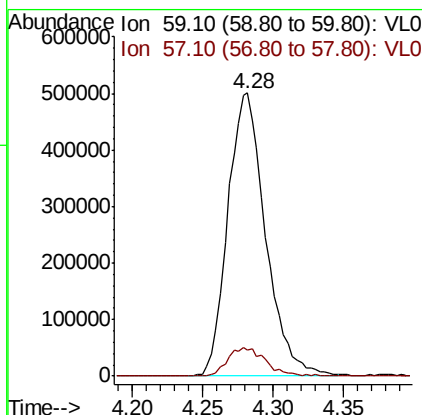
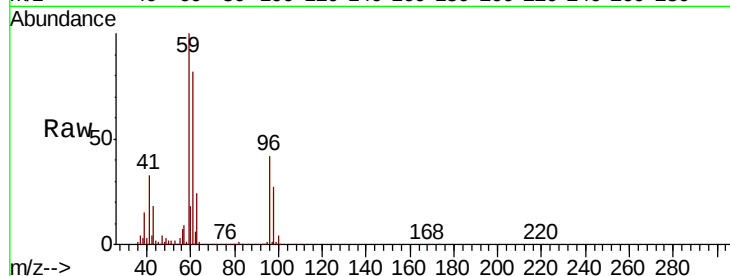


#17

tert-Butyl alcohol
Concen: 9.617 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Instrument :
MSVOA_L
ClientSampled :

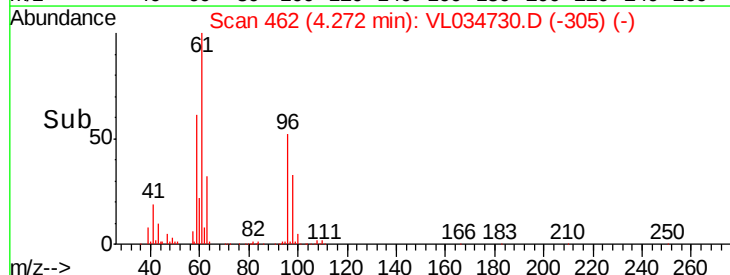
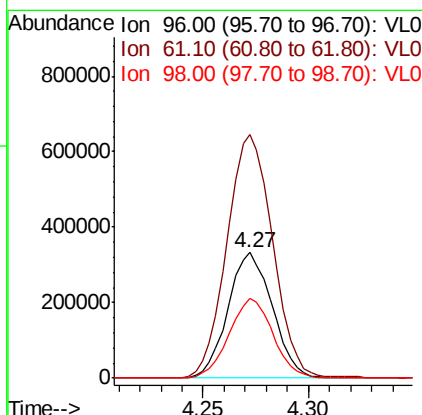
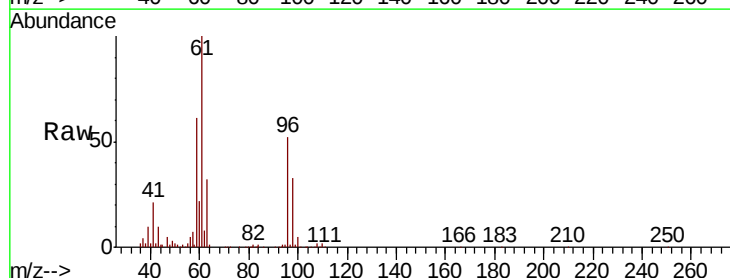
Tot Ion: 59 Resp: 935734
Ion Ratio Lower Upper
59 100
57 10.2 8.8 13.2

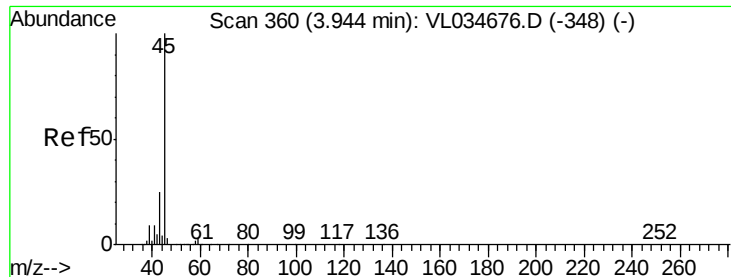


#18

1,1-Dichloroethene
Concen: 9.842 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion: 96 Resp: 479548
Ion Ratio Lower Upper
96 100
61 194.2 165.1 247.7
98 63.9 52.7 79.1





#19

Isopropyl Alcohol

Concen: 9.142 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

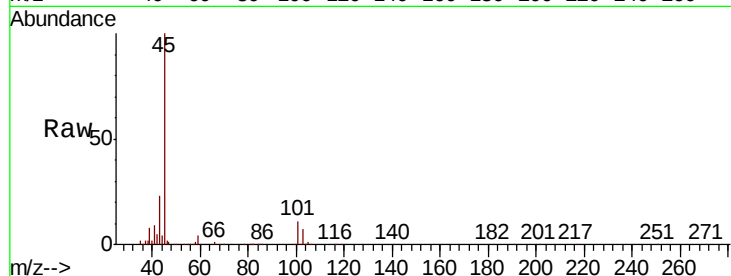
ClientSampleId :

Tot Ion: 45 Resp: 691422

Ion Ratio Lower Upper

45 100

58 1.7 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

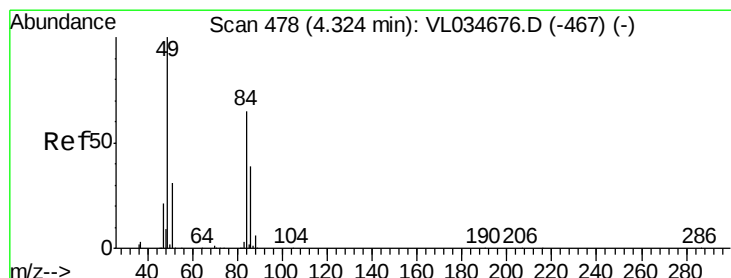
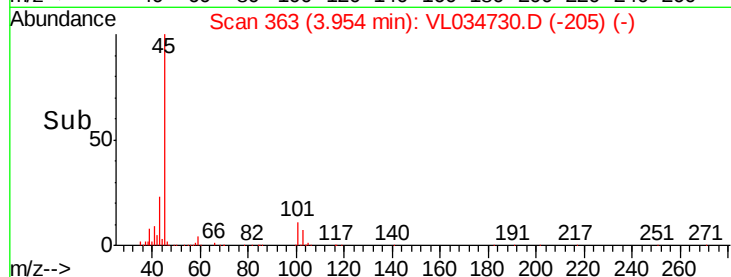
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.750 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Tgt Ion: 84 Resp: 413185

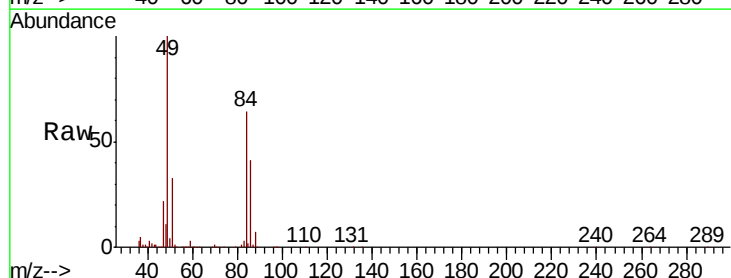
Ion Ratio Lower Upper

84 100

49 155.8 122.8 184.2

51 51.8 38.6 58.0

86 64.7 47.7 71.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

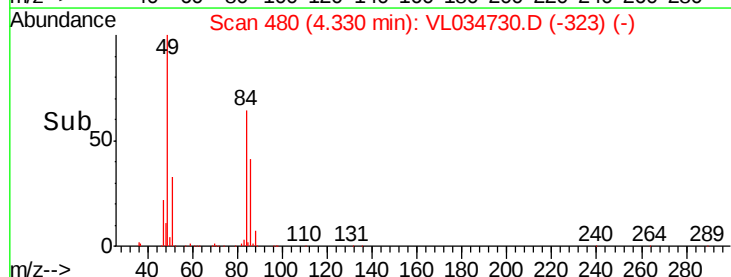
600000

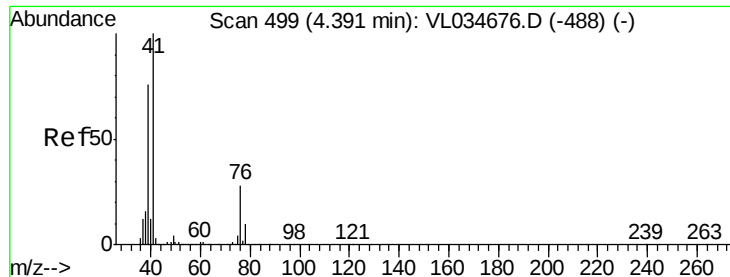
400000

200000

0

Time-->

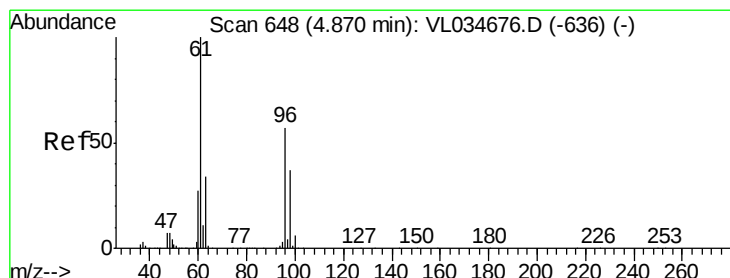
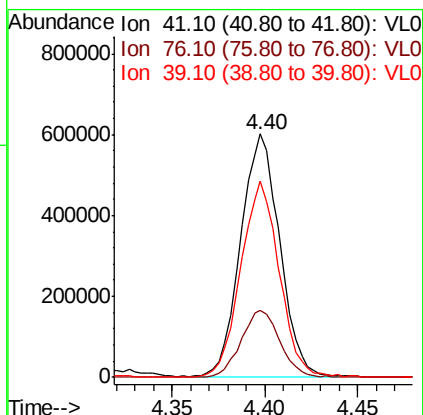
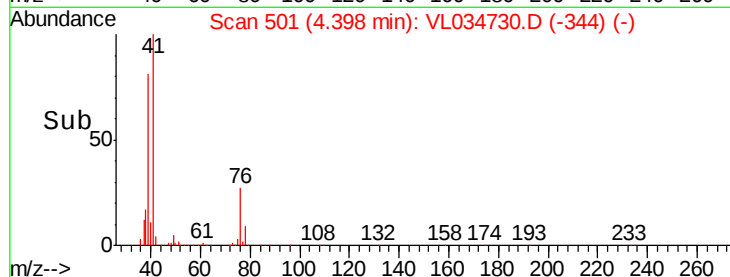
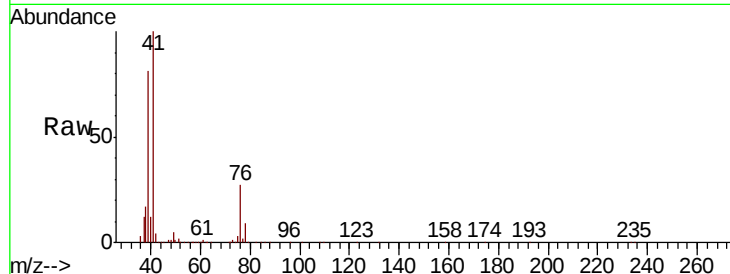




#21
Allvl Chloride
Concen: 10.434 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

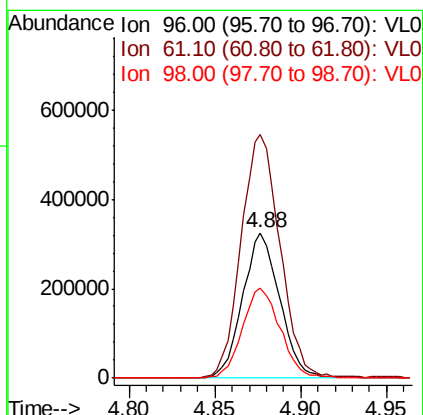
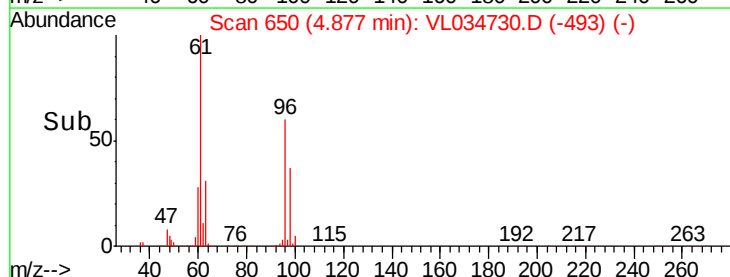
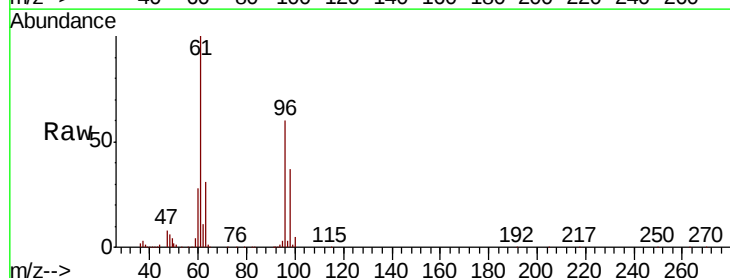
Instrument :
MSVOA_L
ClientSampleId :

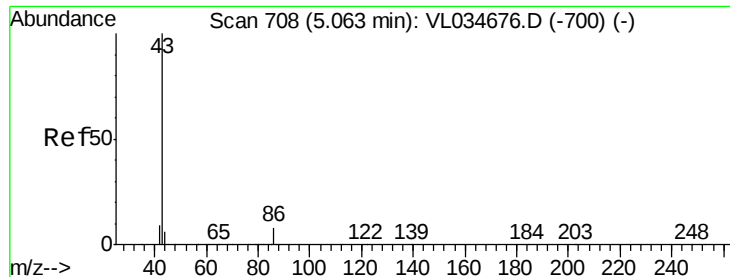
Tot Ion	Ratio	Lower	Upper
41	100		
76	27.5	22.8	34.2
39	80.0	61.7	92.5



#22
trans-1,2-Dichloroethene
Concen: 10.263 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	139.4	209.0
98	61.9	51.3	76.9





#23

Vinyl Acetate

Concen: 12.088 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2086679

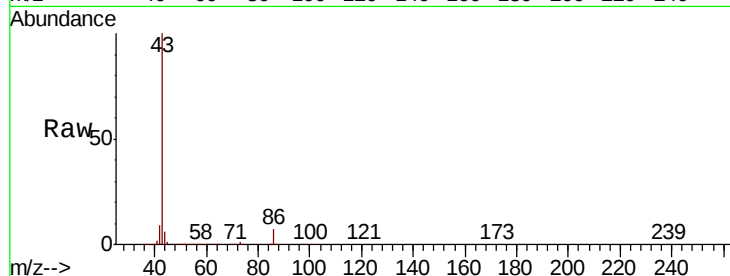
Ion Ratio Lower Upper

43 100

86 6.7 6.0 9.0

42 9.4 8.0 12.0

44 5.4 4.5 6.7

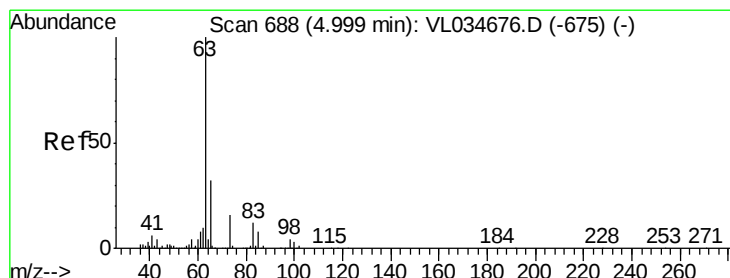
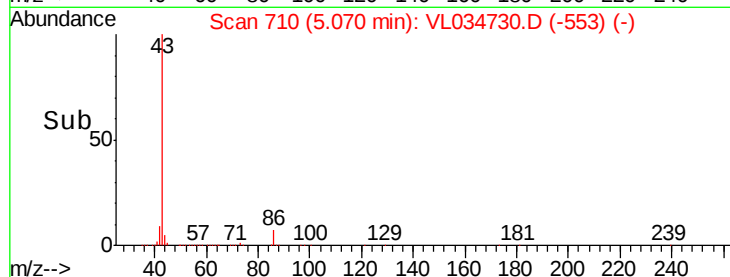
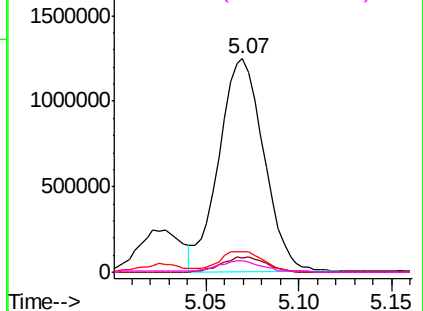


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.672 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

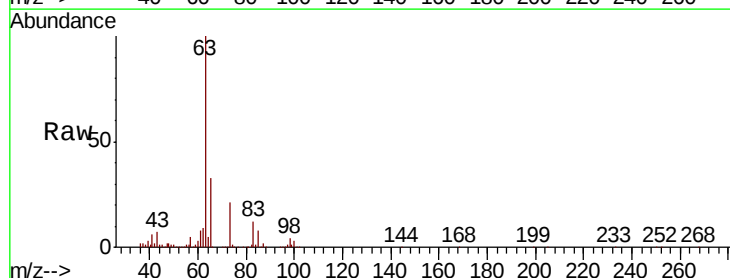
Tgt Ion: 63 Resp: 1333377

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.2

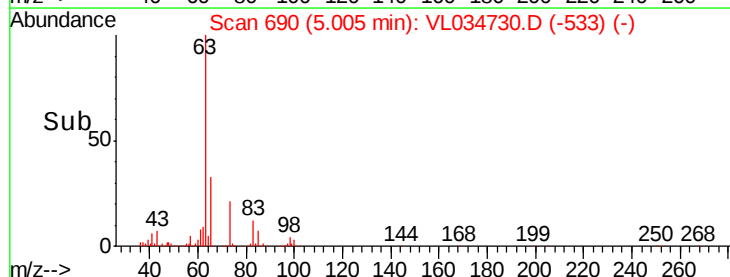
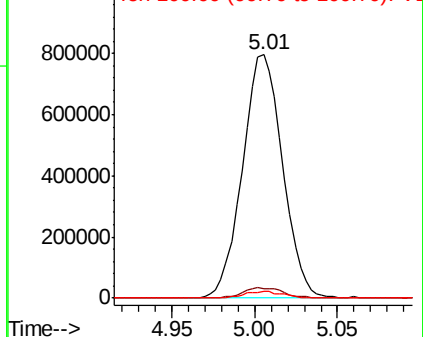
100 2.6 1.4 4.0

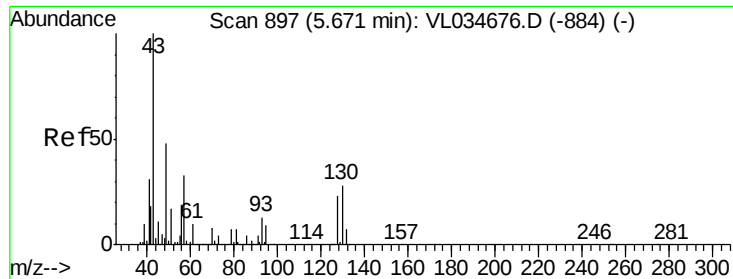


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



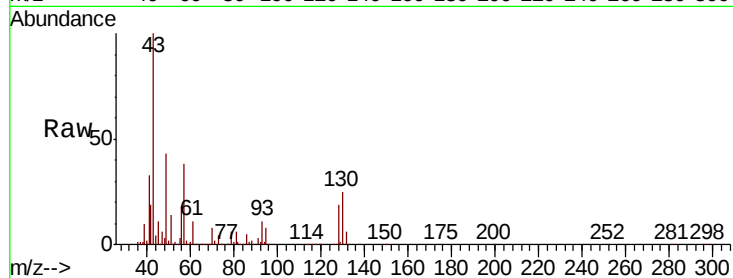


#25
Ethyl Acetate
Concen: 10.698 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2404635

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.4	7.8	11.6
70	7.4	6.1	9.1



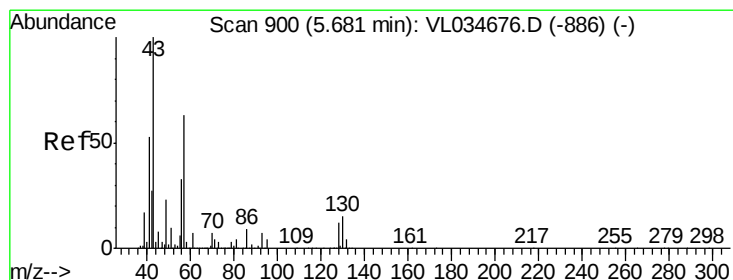
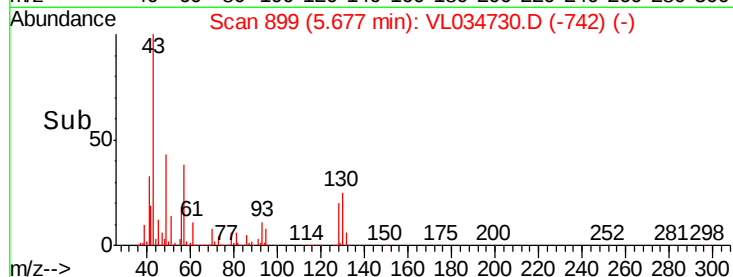
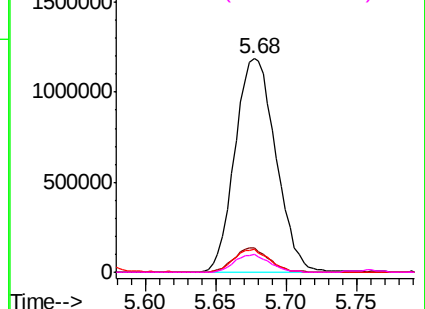
Abundance

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: 10.253 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion: 57 Resp: 1062198

Ion	Ratio	Lower	Upper
57	100		
41	90.1	70.3	105.5
43	228.7	177.0	265.4
56	52.0	42.6	64.0

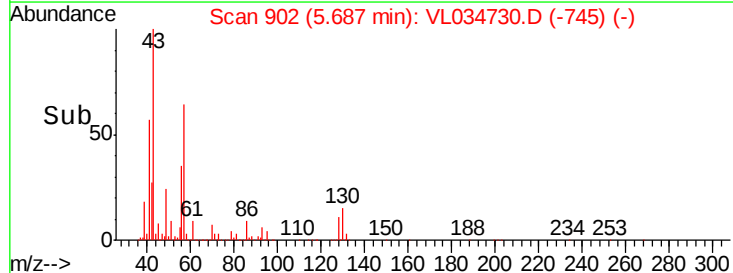
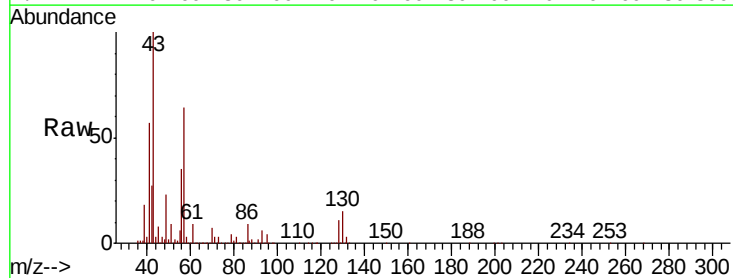
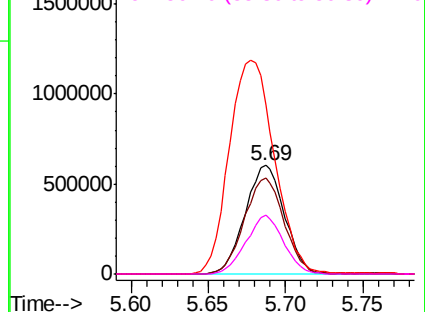
Abundance

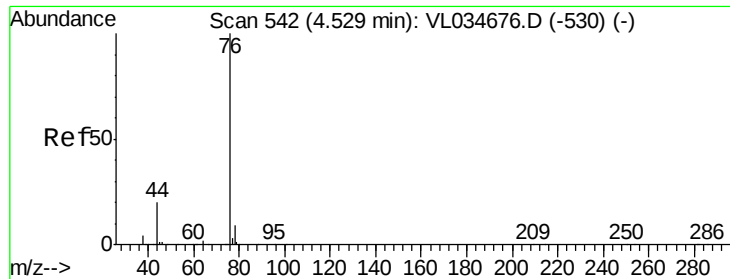
Ion 57.10 (56.80 to 57.80): VL0

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: 10.313 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampleId :

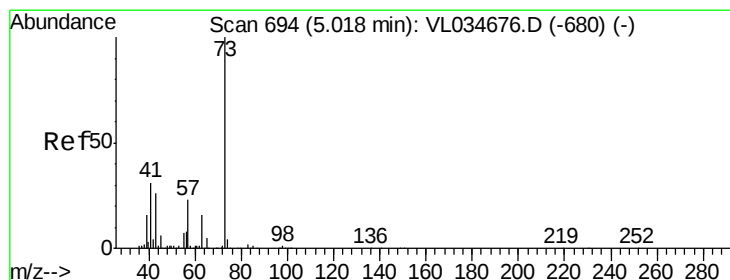
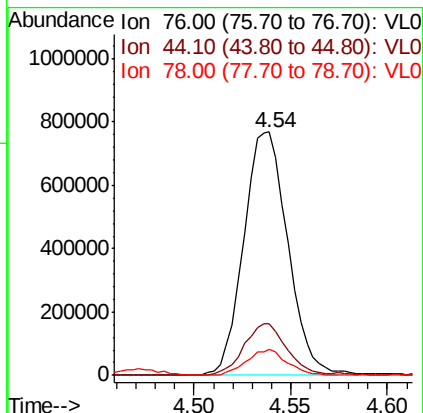
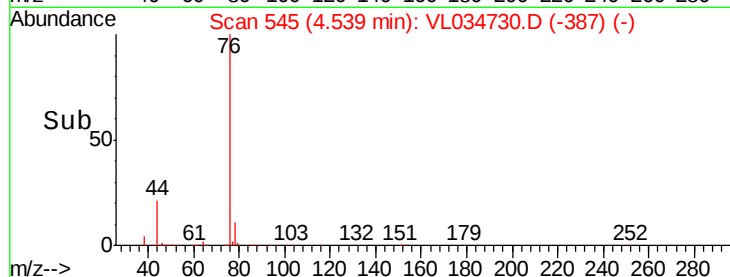
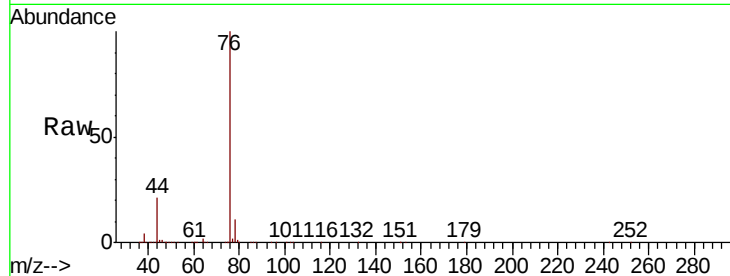
Tot Ion: 76 Resp: 1212820

Ion Ratio Lower Upper

76 100

44 20.8 15.3 22.9

78 9.7 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 11.429 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034730.D

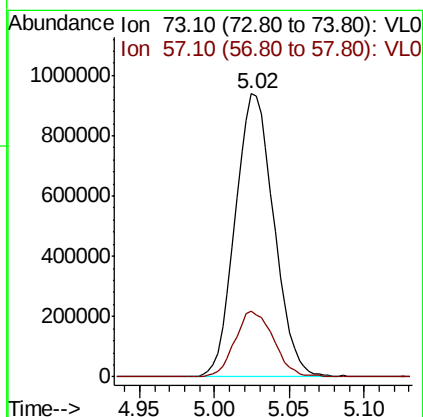
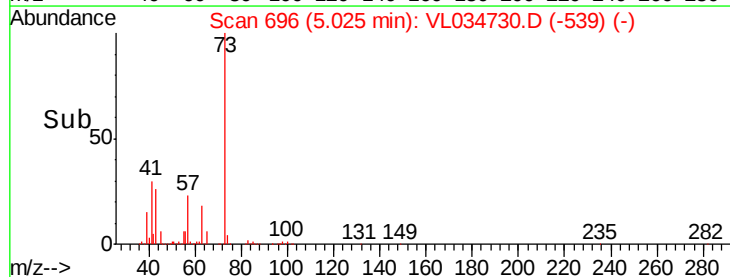
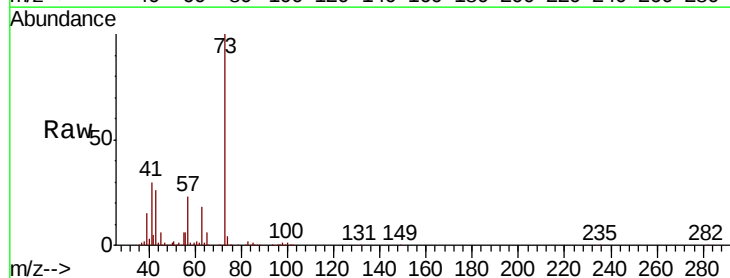
Acq: 28 Feb 2020 5:12

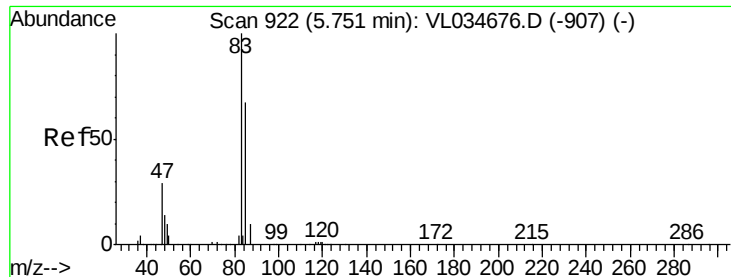
Tgt Ion: 73 Resp: 1691489

Ion Ratio Lower Upper

73 100

57 23.4 18.6 28.0





#29

Chloroform

Concen: 9.675 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

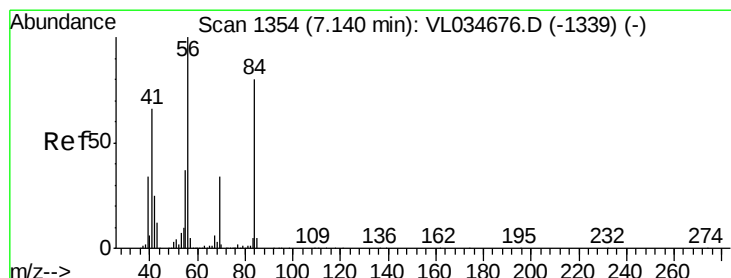
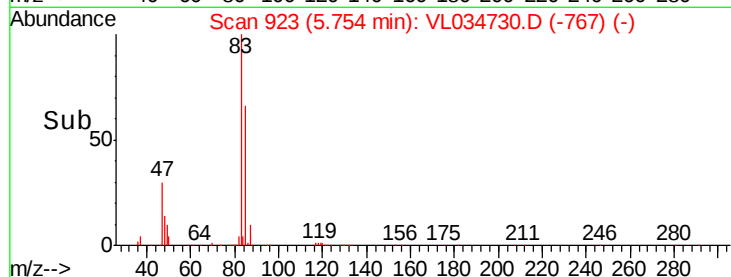
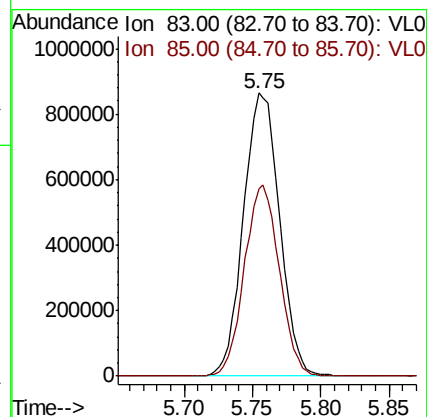
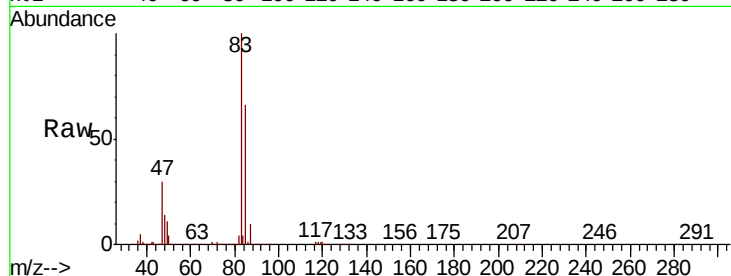
ClientSampleId :

Tot Ion: 83 Resp: 1596952

Ion Ratio Lower Upper

83 100

85 66.1 53.9 80.9



#30

Cyclohexane

Concen: 11.075 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

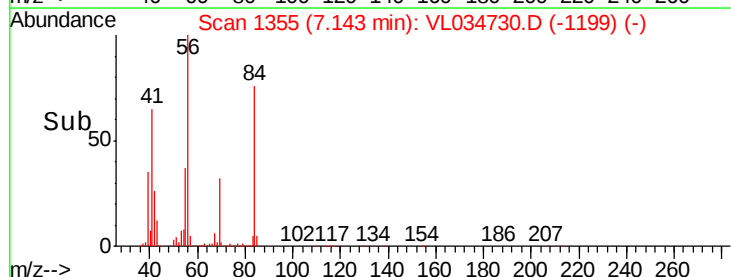
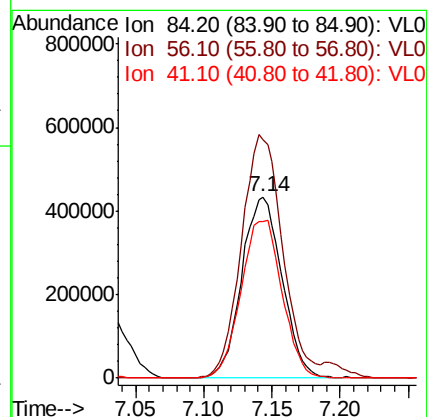
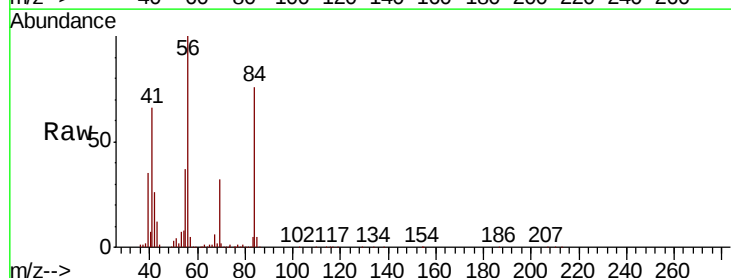
Tgt Ion: 84 Resp: 889147

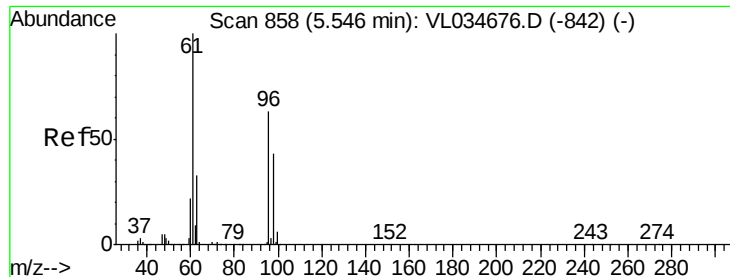
Ion Ratio Lower Upper

84 100

56 143.0 113.4 170.2

41 89.1 68.2 102.4



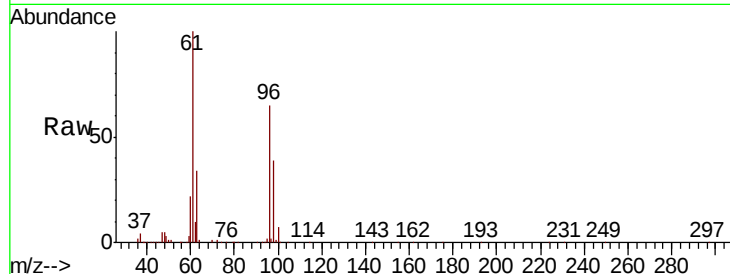


#31

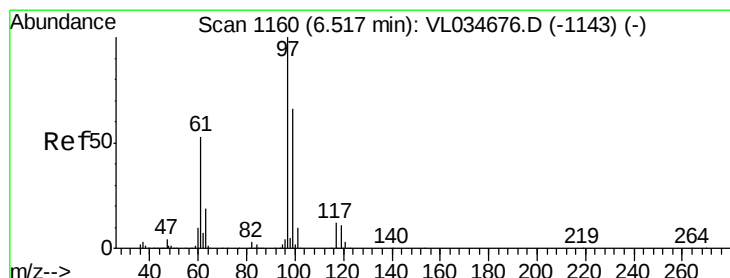
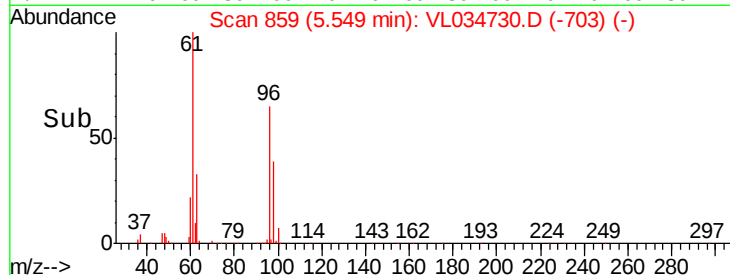
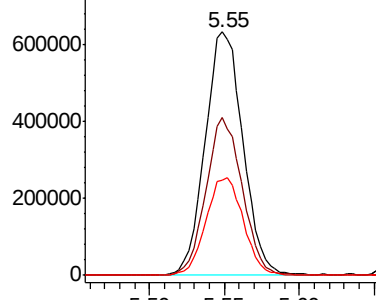
cis-1,2-Dichloroethene
 Concen: 10.945 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1115831
 Ion Ratio Lower Upper
 61 100
 96 65.0 50.2 75.2
 98 39.3 34.3 51.5



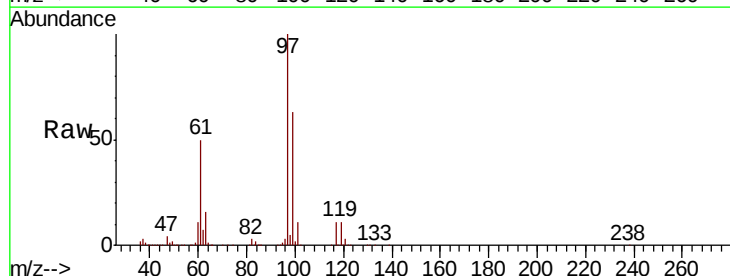
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



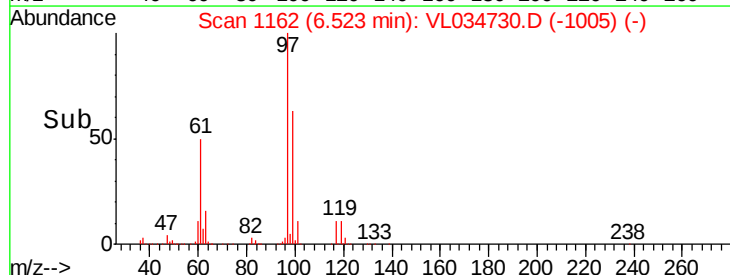
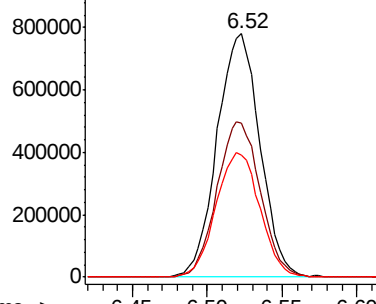
#32

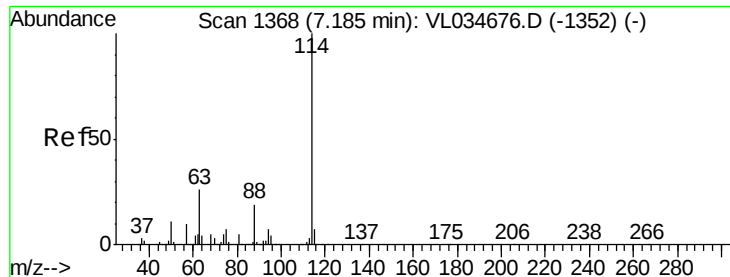
1,1,1-Trichloroethane
 Concen: 10.091 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion: 97 Resp: 1555337
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.3 78.5
 61 52.7 42.8 64.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

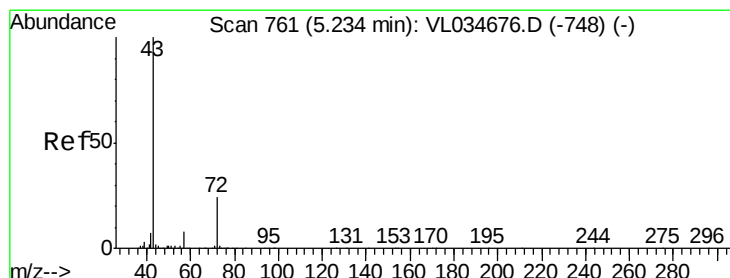
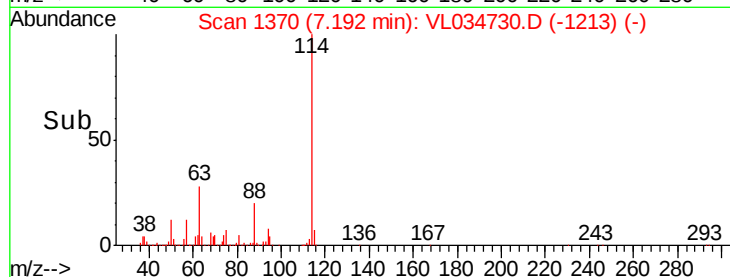
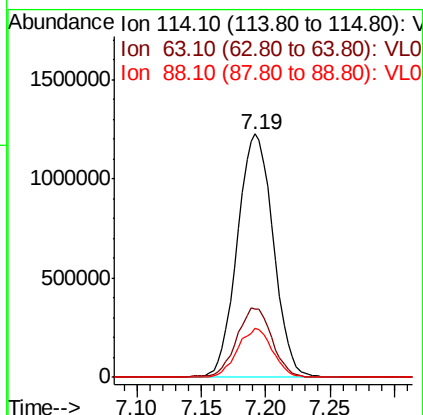
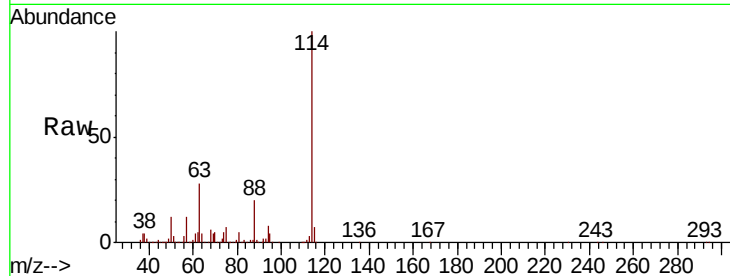




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

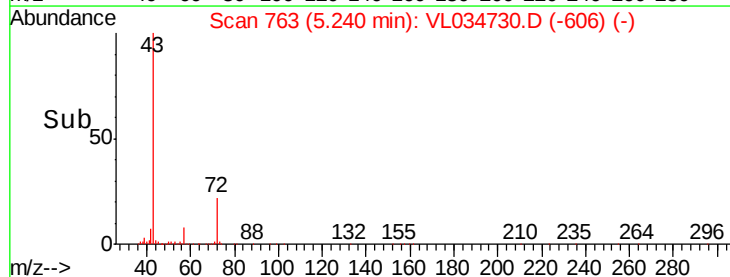
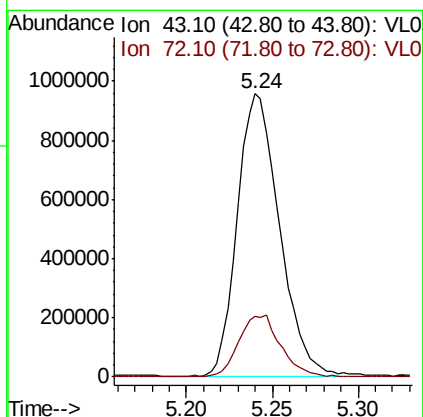
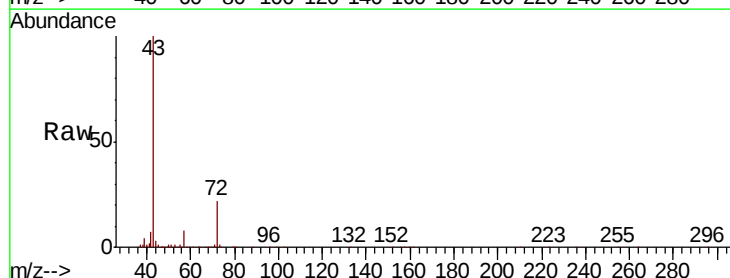
Instrument :
 MSVOA_L
 ClientSampleId :

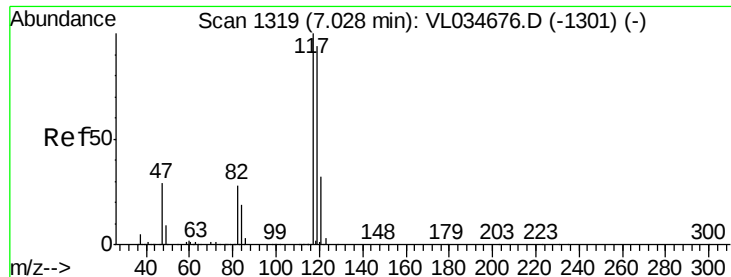
Tot Ion:114 Resp: 2378533
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.9 34.3
 88 19.7 15.8 23.6



#34
 2-Butanone
 Concen: 10.859 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion: 43 Resp: 1625791
 Ion Ratio Lower Upper
 43 100
 72 21.8 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.866 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampled :

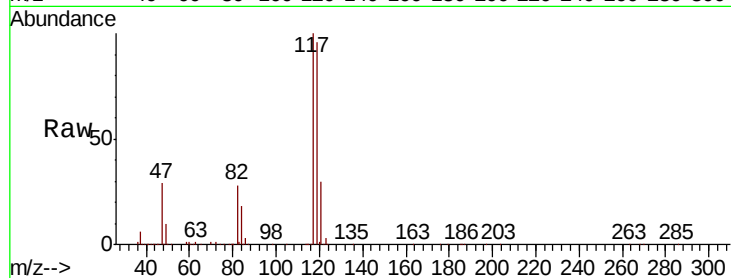
Tot Ion:117 Resp: 1571541

Ion Ratio Lower Upper

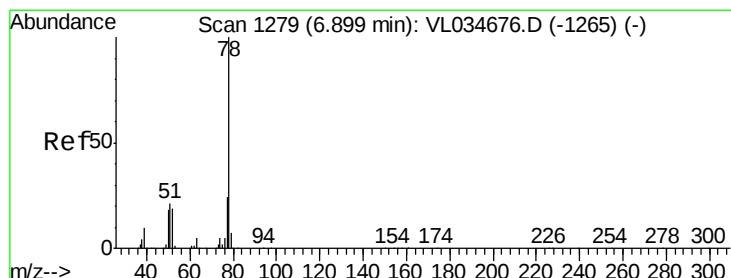
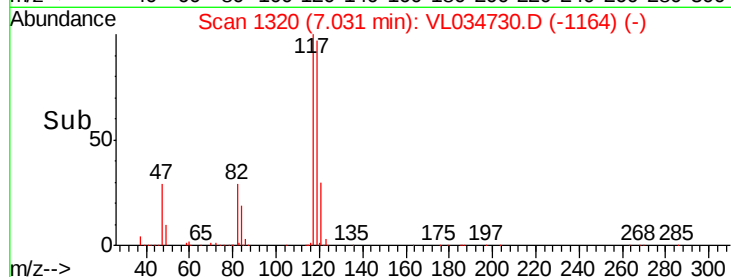
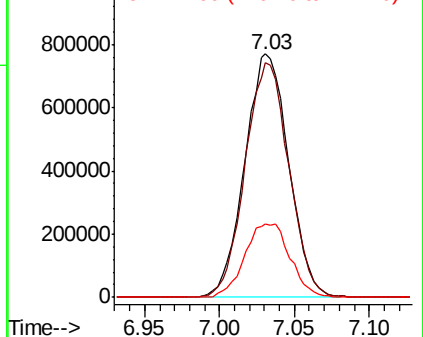
117 100

119 96.3 75.5 113.3

121 30.2 25.4 38.0



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: 10.420 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

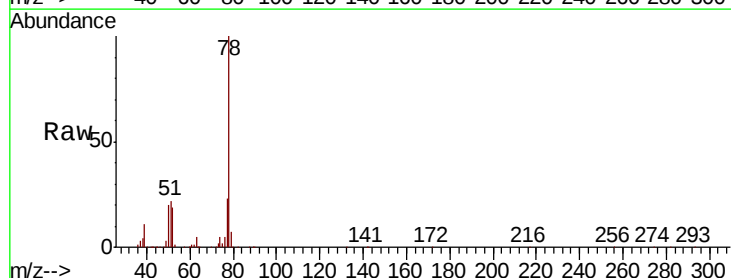
Tgt Ion: 78 Resp: 2140634

Ion Ratio Lower Upper

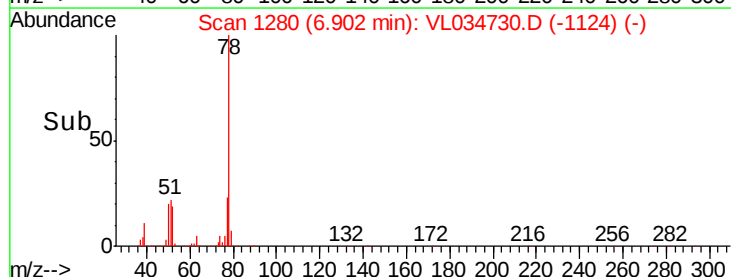
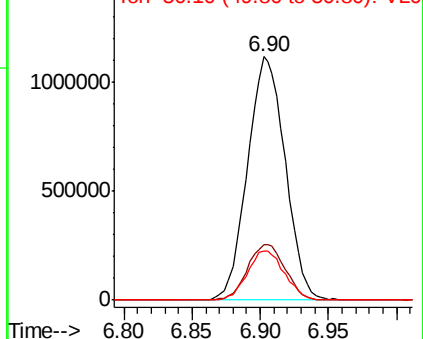
78 100

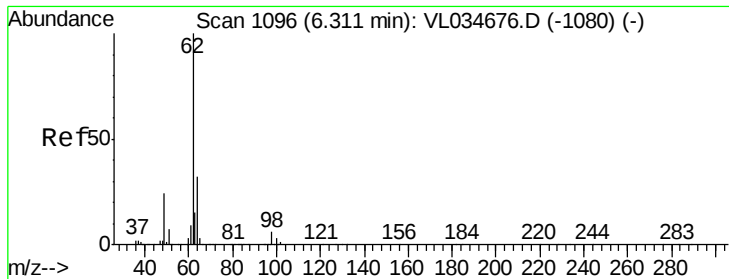
77 22.5 19.5 29.3

50 20.4 14.6 21.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.666 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

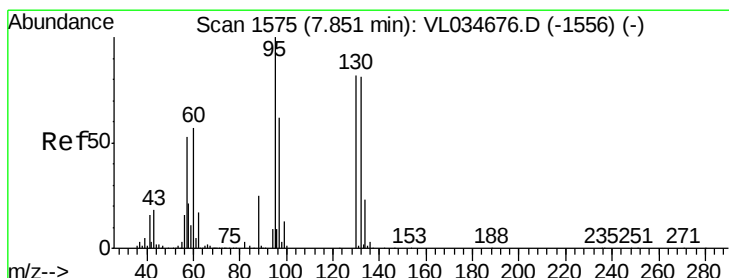
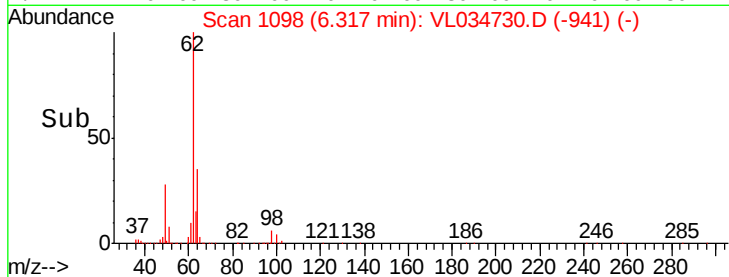
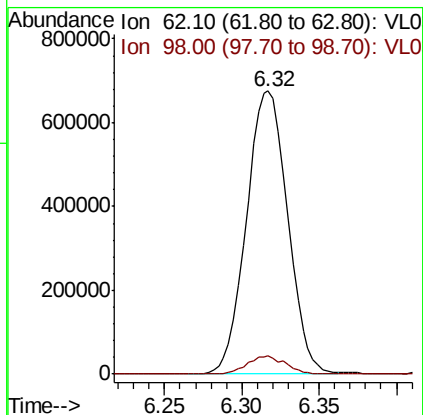
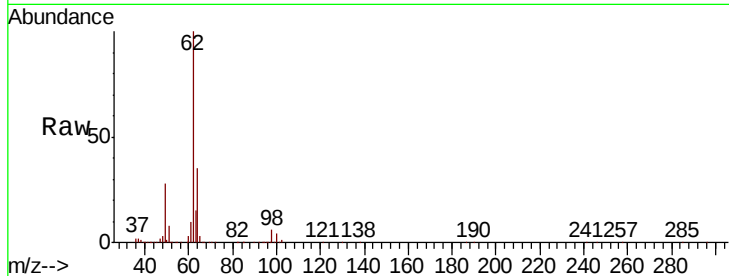
ClientSampleId :

Tot Ion: 62 Resp: 1251720

Ion Ratio Lower Upper

62 100

98 6.1 4.7 7.1



#38

Trichloroethene

Concen: 9.977 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Tgt Ion: 130 Resp: 790038

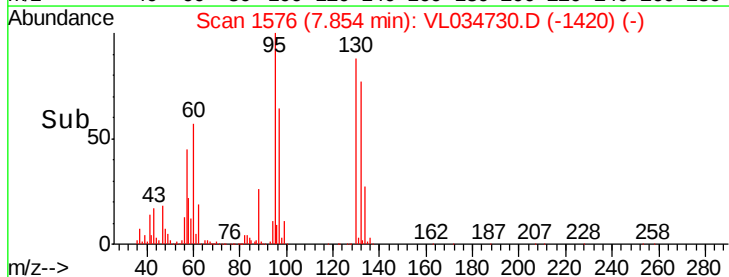
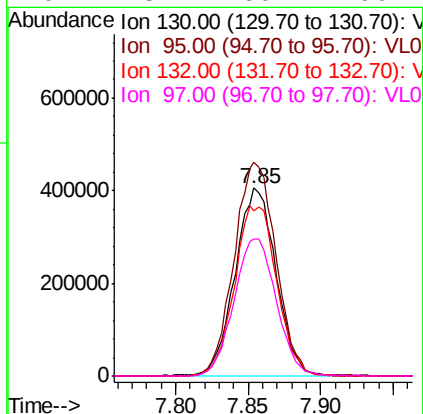
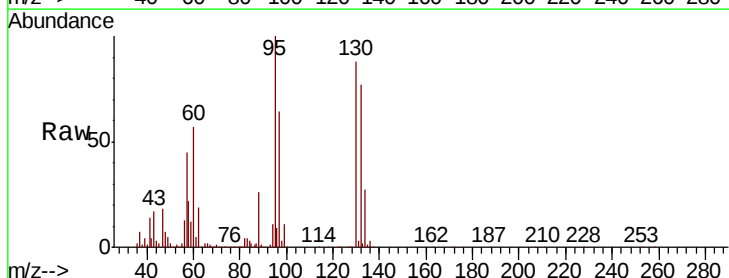
Ion Ratio Lower Upper

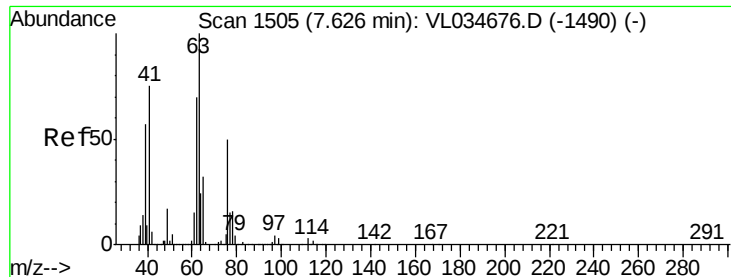
130 100

95 113.7 97.1 145.7

132 87.9 78.3 117.5

97 73.1 60.1 90.1

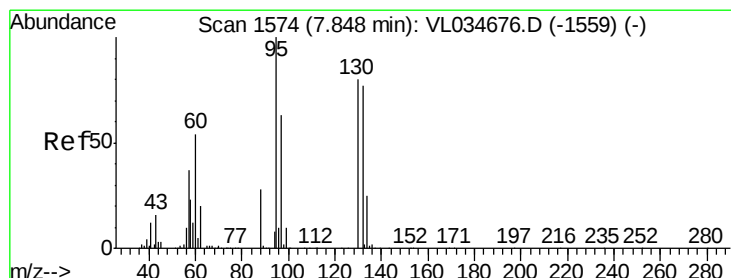
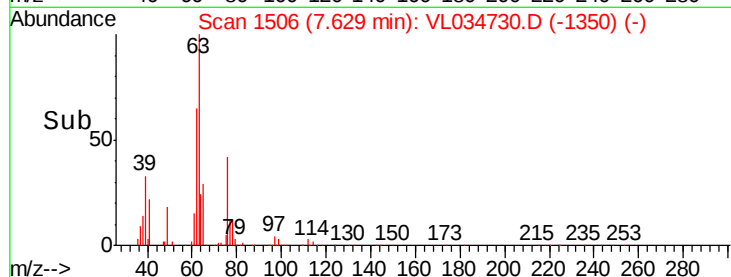
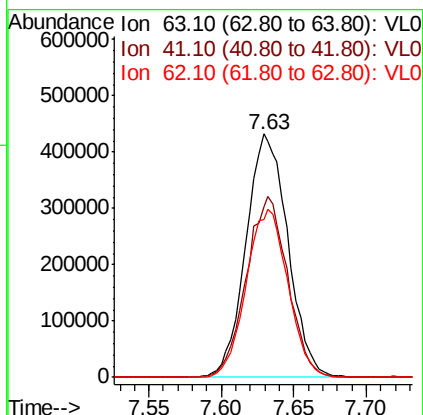
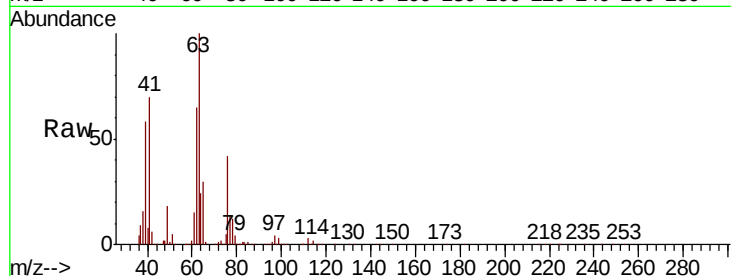




#39
 1,2-Dichloropropane
 Concen: 10.596 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

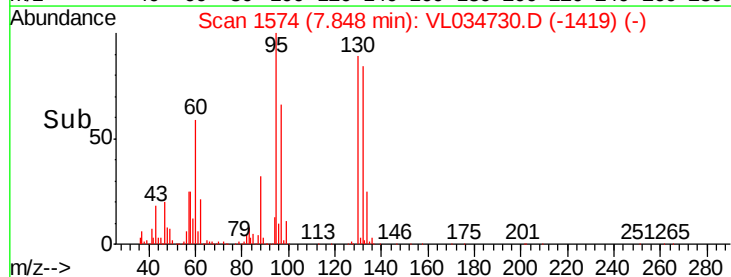
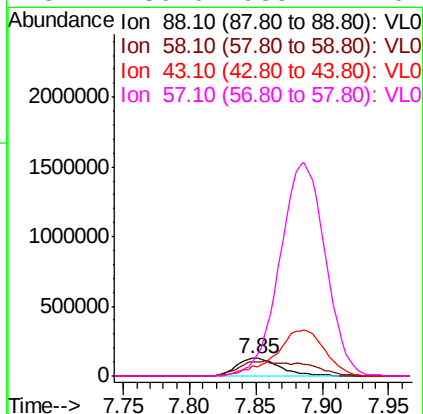
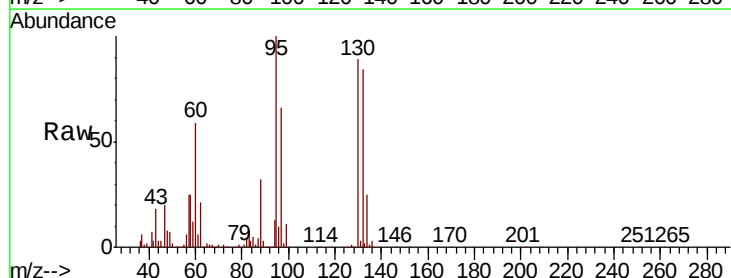
Instrument :
 MSVOA_L
 ClientSampleId :

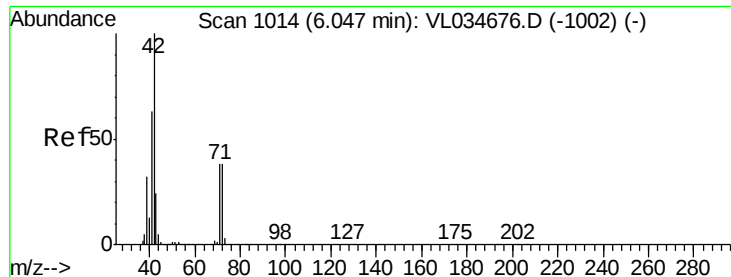
Tot Ion	Ratio	Lower	Upper
63	100		
41	70.0	60.2	90.4
62	64.9	56.3	84.5



#40
 1,4-Dioxane
 Concen: 10.349 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.9	104.6	156.8
43	297.9	212.9	319.3
57	1280.0	935.2	1402.8





#41

Tetrahydrofuran

Concen: 11.870 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampleId :

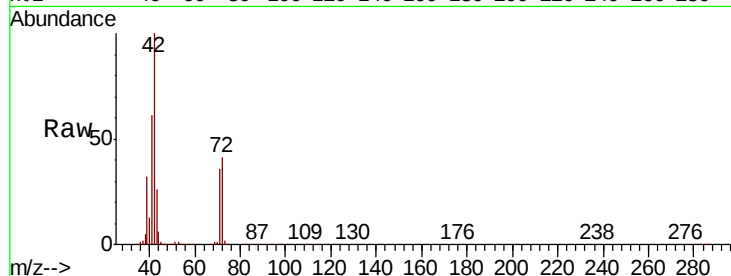
Tot Ion: 42 Resp: 938020

Ion Ratio Lower Upper

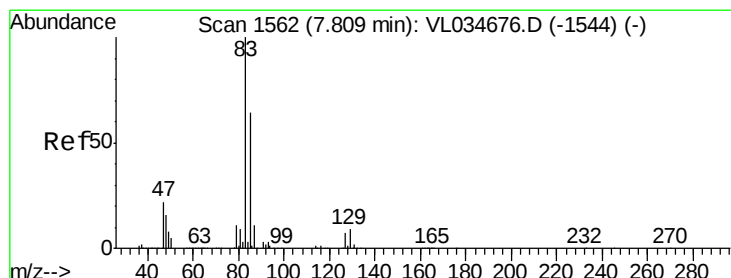
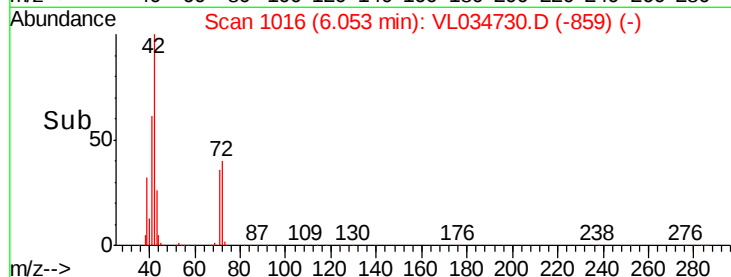
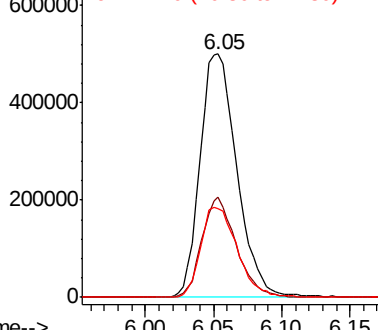
42 100

72 38.5 31.7 47.5

71 37.0 30.7 46.1



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: 10.108 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

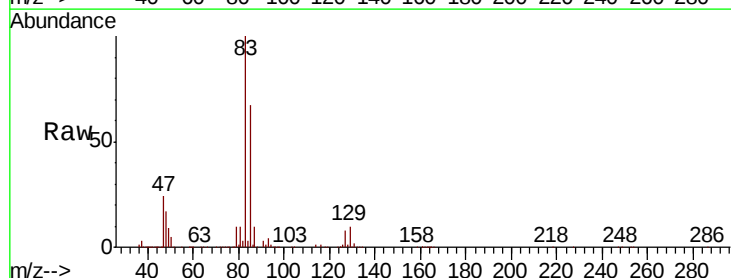
Tgt Ion: 83 Resp: 1713735

Ion Ratio Lower Upper

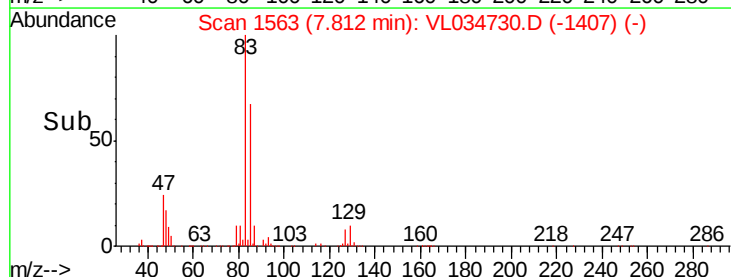
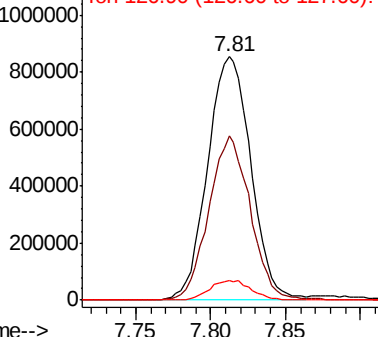
83 100

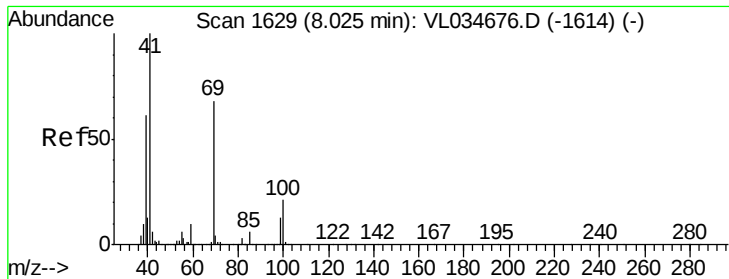
85 67.4 51.1 76.7

127 8.2 5.8 8.8



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

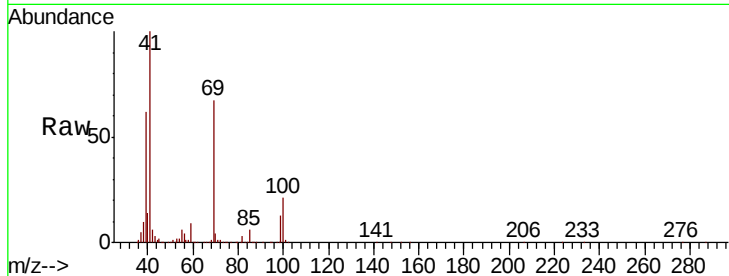




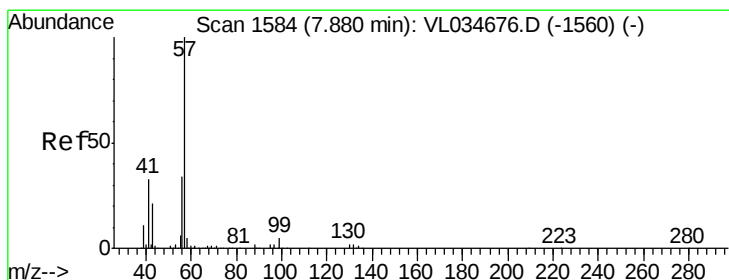
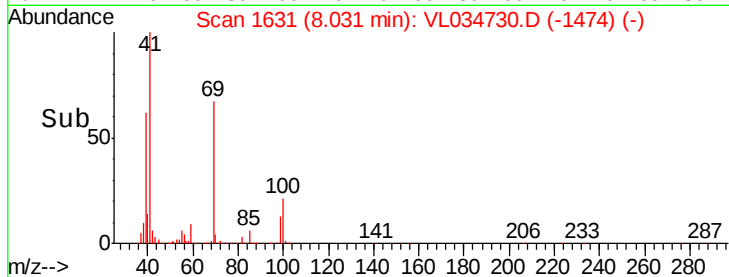
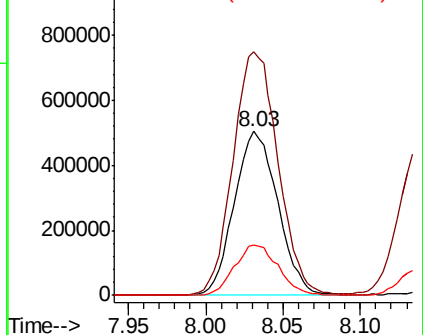
#43
Methvl Methacrilate
Concen: 11.448 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 989166
Ion Ratio Lower Upper
69 100
41 152.7 118.2 177.2
100 30.8 24.2 36.2

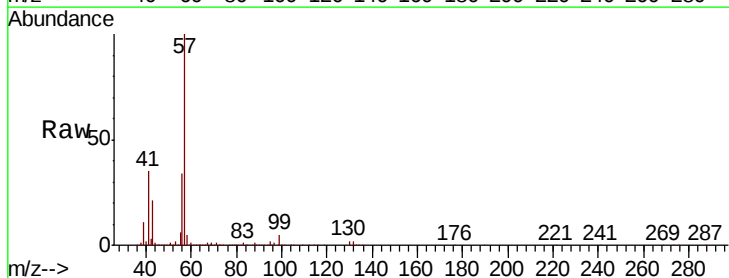


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

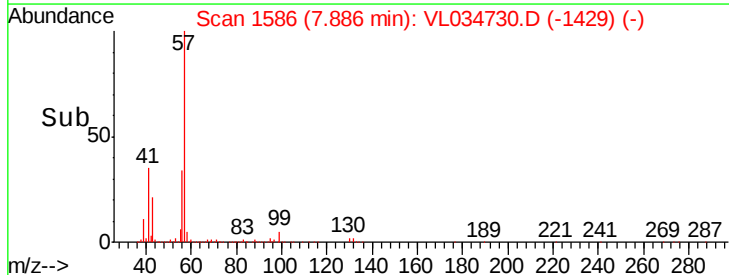
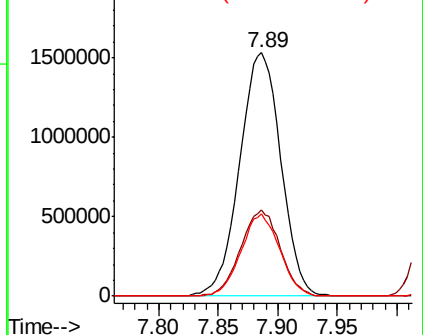


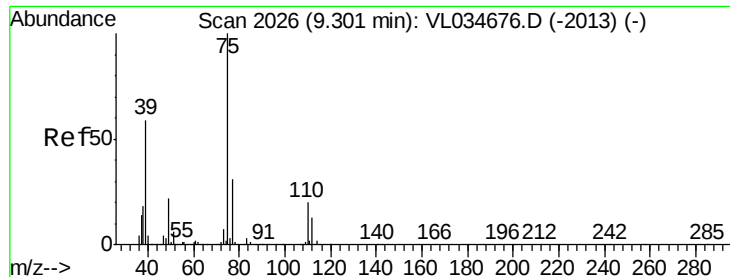
#44
2,2,4-Trimethylpentane
Concen: 10.182 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion: 57 Resp: 3655688
Ion Ratio Lower Upper
57 100
41 34.2 26.0 39.0
56 32.0 25.6 38.4



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.166 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

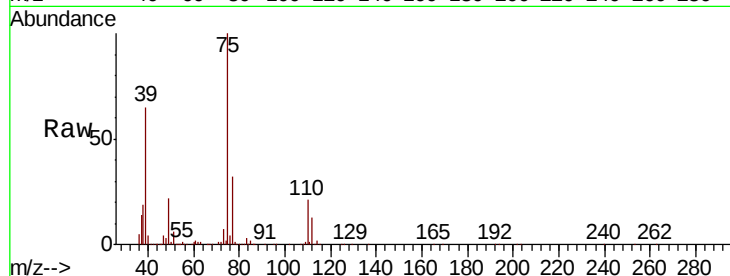
ClientSampleId :

Tot Ion: 75 Resp: 1147143

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

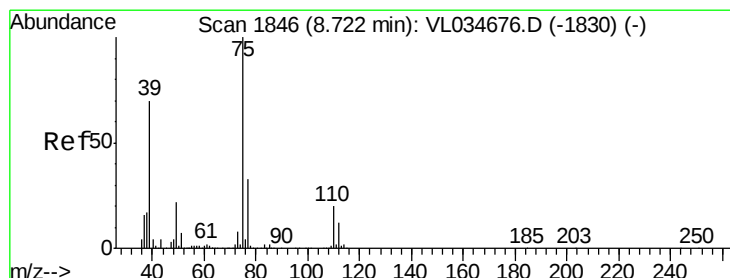
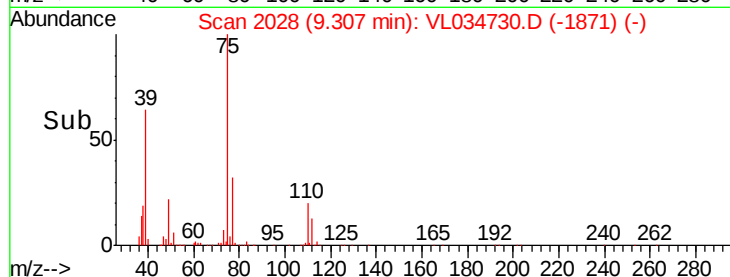
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.863 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

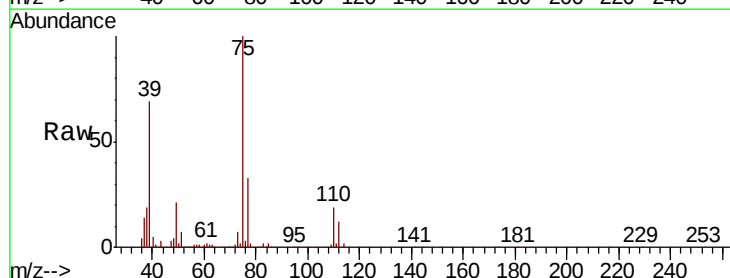
Tgt Ion: 75 Resp: 1341526

Ion Ratio Lower Upper

75 100

39 68.5 55.7 83.5

77 33.1 26.3 39.5



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

8.73

800000

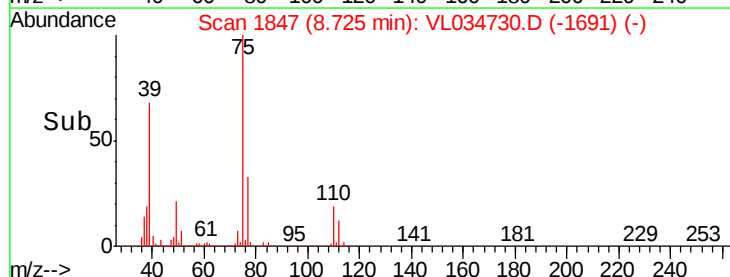
600000

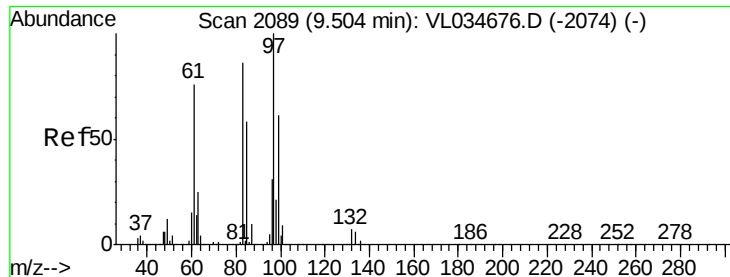
400000

200000

0

Time-->

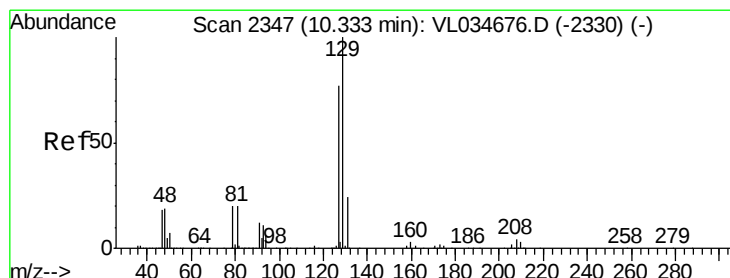
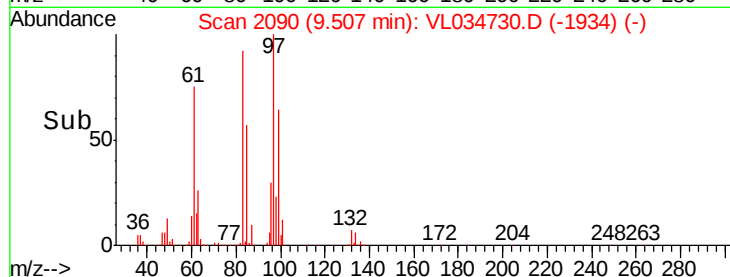
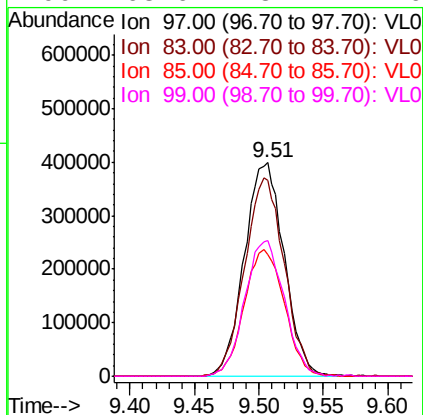
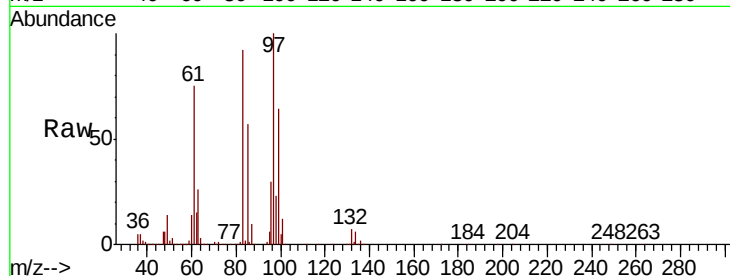




#47
 1,1,2-Trichloroethane
 Concen: 10.246 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

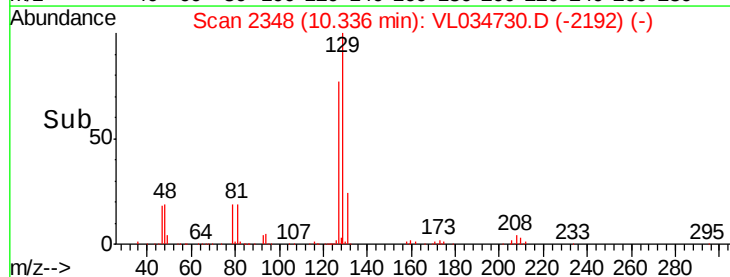
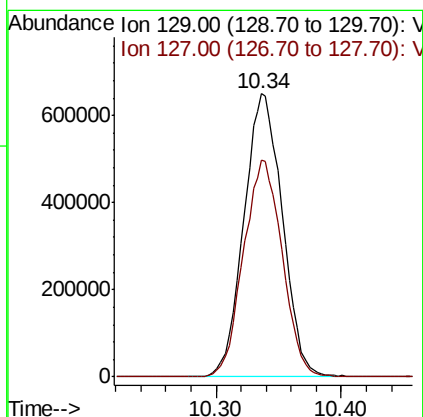
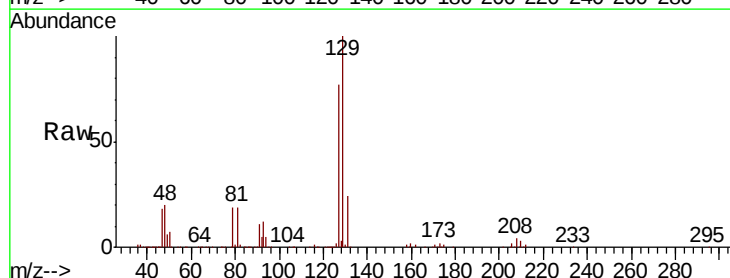
Instrument :
 MSVOA_L
 ClientSampleId :

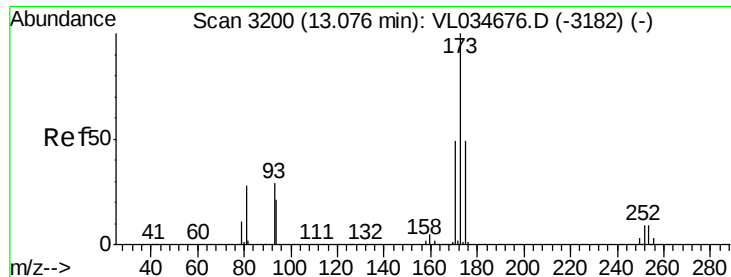
Tot Ion	97	Resp	859145
Ion	Ratio	Lower	Upper
97	100		
83	91.8	69.4	104.0
85	57.1	46.4	69.6
99	63.6	48.4	72.6



#48
 Dibromochloromethane
 Concen: 10.619 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion	129	Resp	1384553
Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8





#49

Bromoform

Concen: 10.528 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampleId :

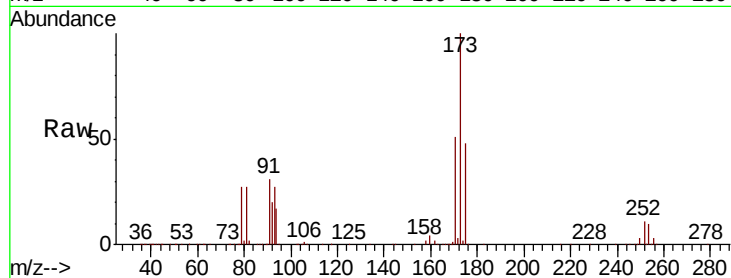
Tot Ion:173 Resp: 1190104

Ion Ratio Lower Upper

173 100

175 48.8 38.6 58.0

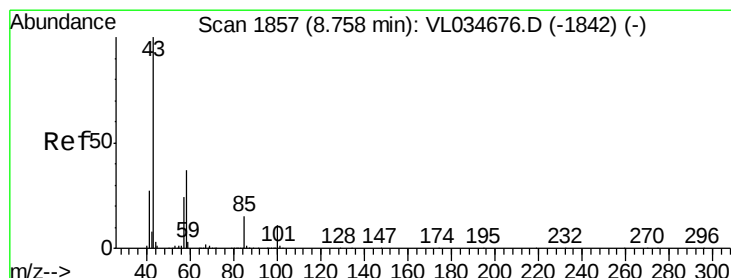
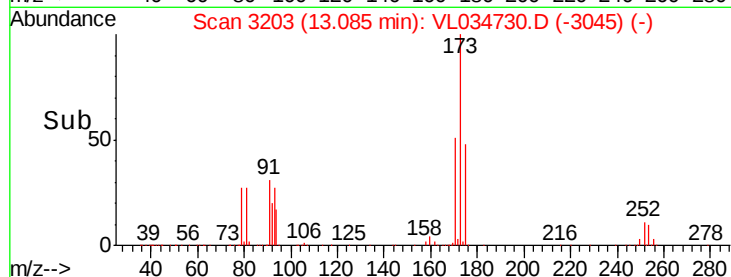
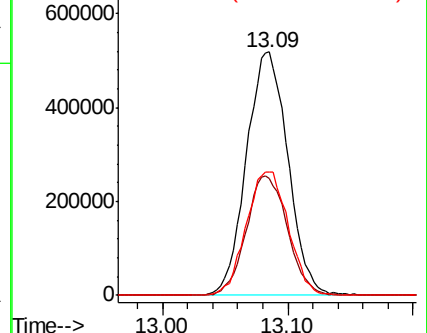
171 51.7 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.328 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL034730.D

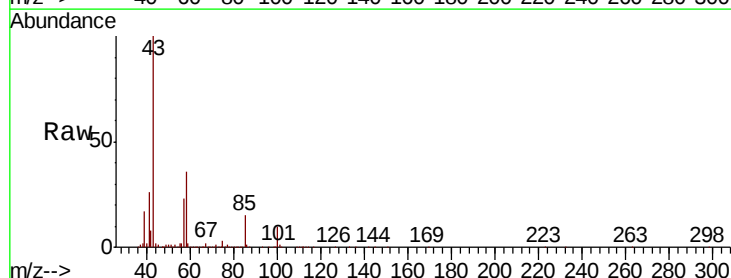
Acq: 28 Feb 2020 5:12

Tgt Ion: 43 Resp: 2402109

Ion Ratio Lower Upper

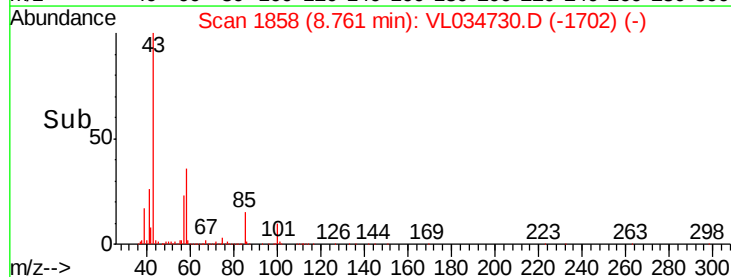
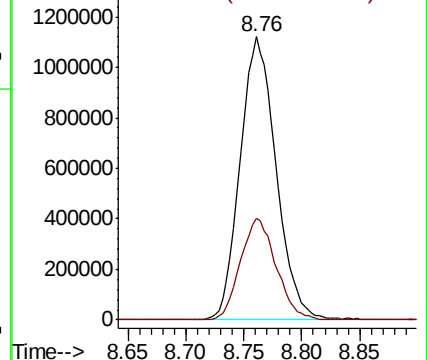
43 100

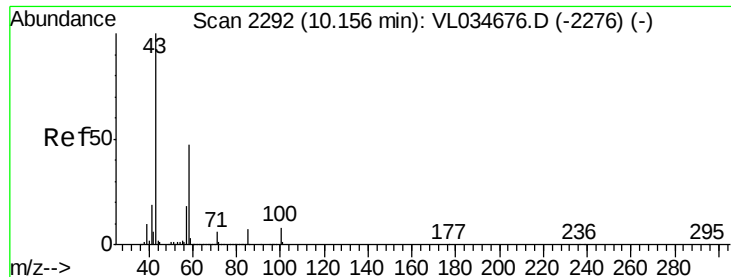
58 35.9 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

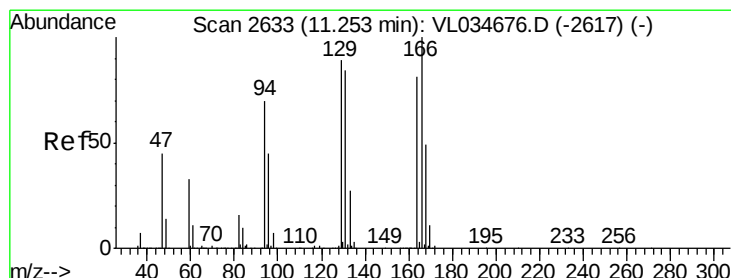
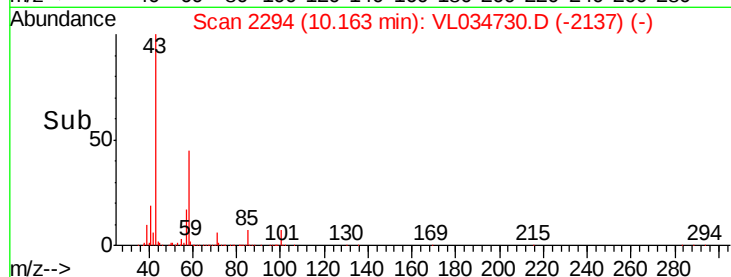
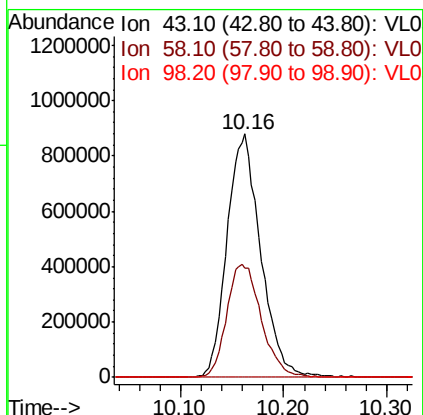
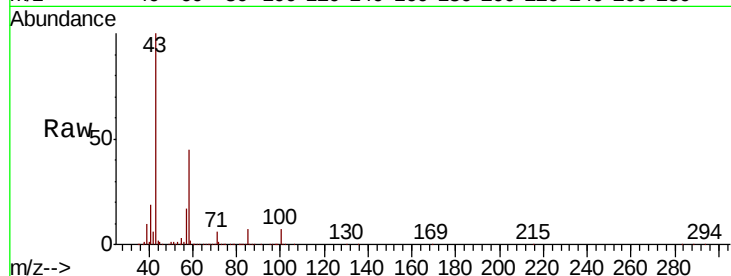




#51
2-Hexanone
Concen: 11.931 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

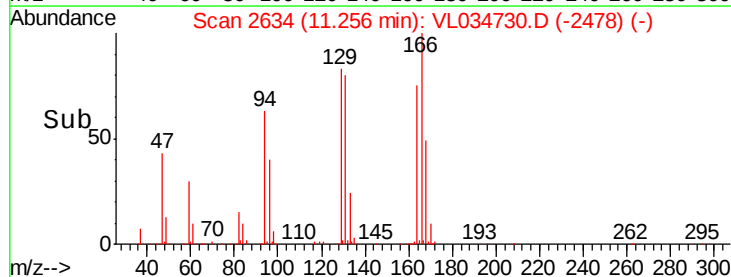
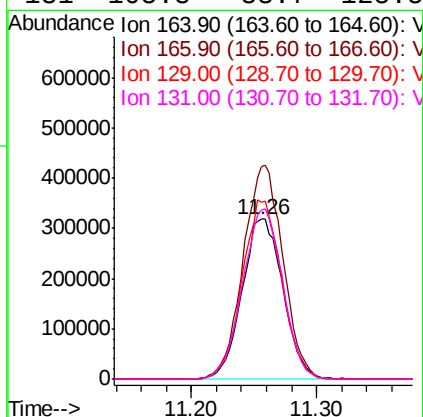
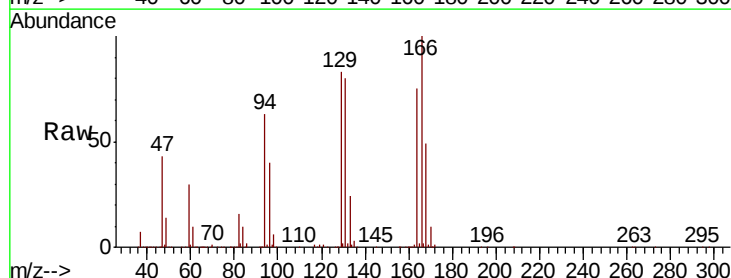
Instrument :
MSVOA_L
ClientSampleId :

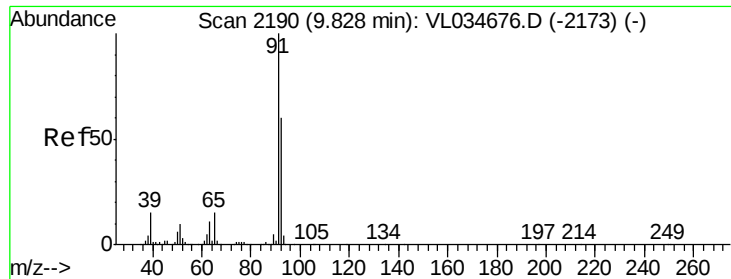
Tot Ion: 43 Resp: 1990905
Ion Ratio Lower Upper
43 100
58 47.9 39.4 59.0
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.565 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion: 164 Resp: 720246
Ion Ratio Lower Upper
164 100
166 132.8 99.2 148.8
129 110.4 88.0 132.0
131 105.8 83.7 125.5





#53

Toluene

Concen: 11.165 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

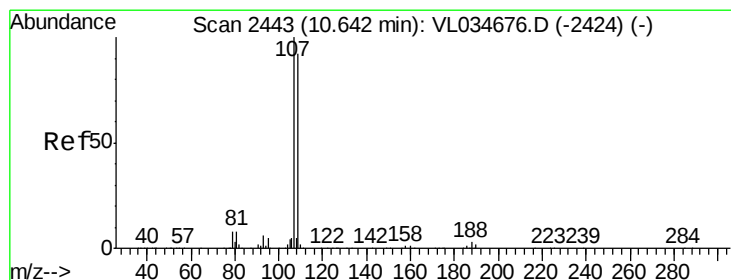
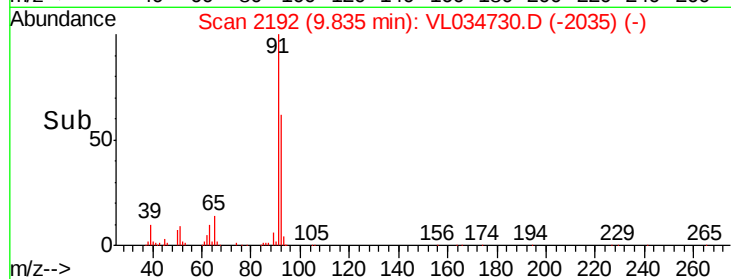
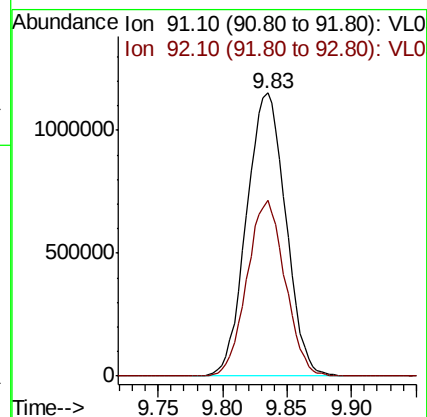
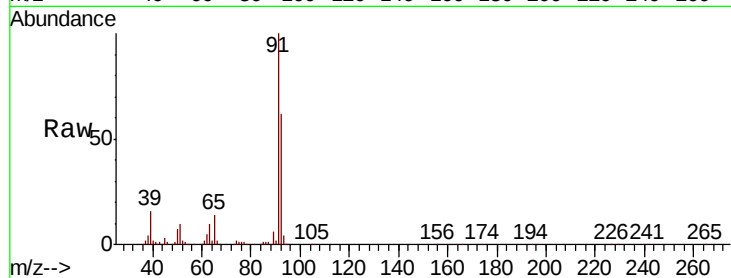
ClientSampled :

Tot Ion: 91 Resp: 2439457

Ion Ratio Lower Upper

91 100

92 60.5 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.331 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034730.D

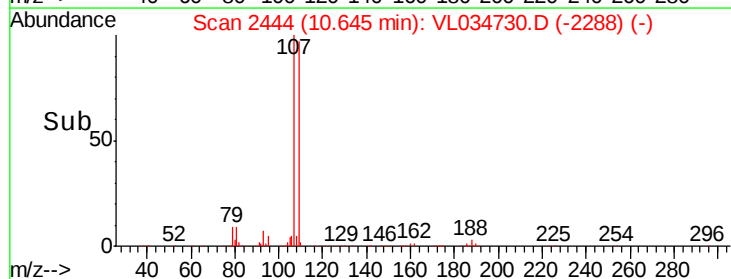
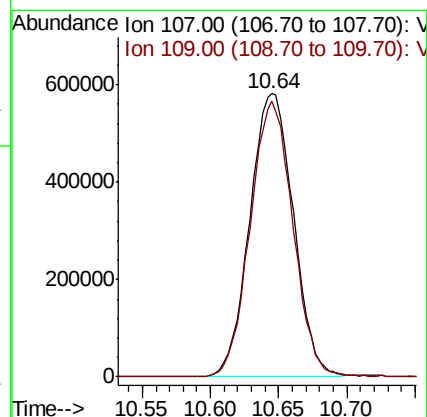
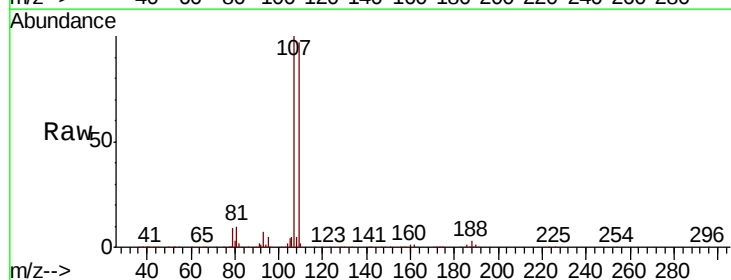
Acq: 28 Feb 2020 5:12

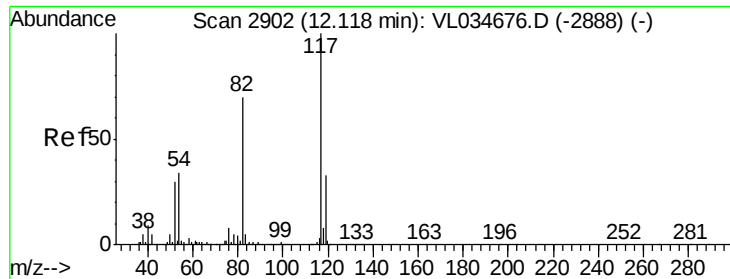
Tgt Ion:107 Resp: 1292358

Ion Ratio Lower Upper

107 100

109 97.2 73.9 110.9

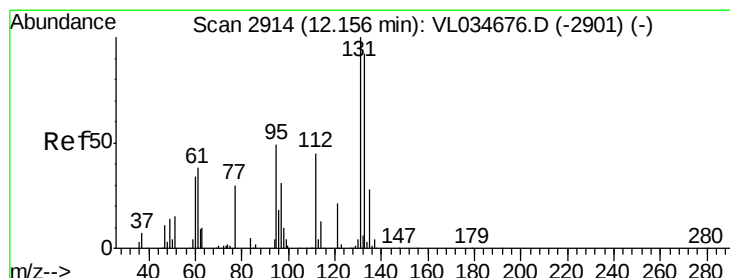
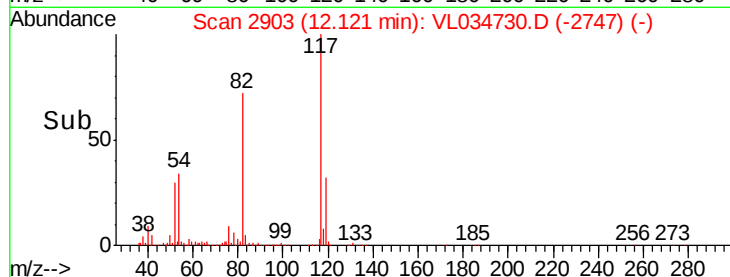
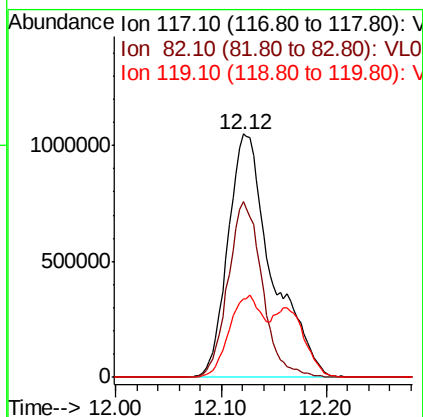
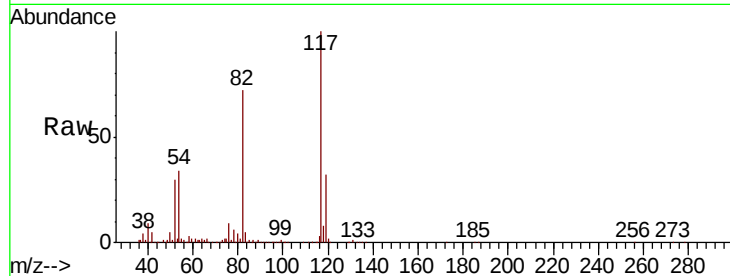




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

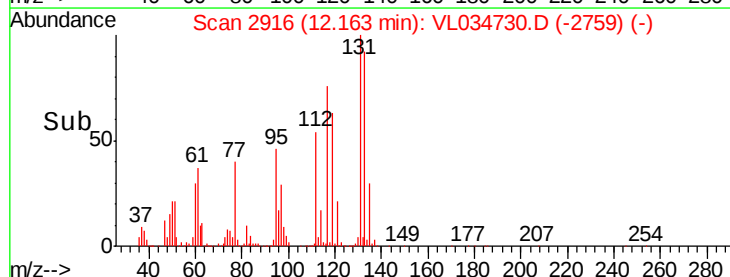
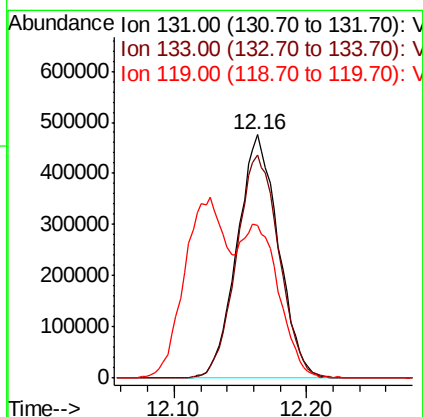
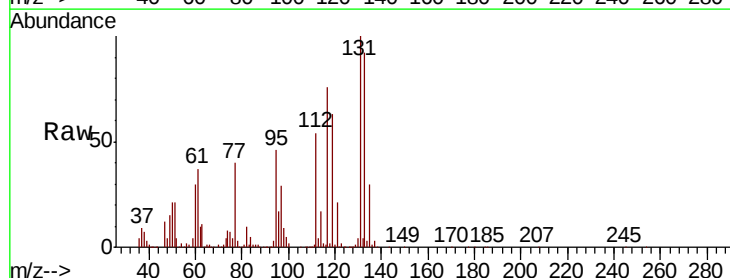
Instrument :
MSVOA_L
ClientSampled :

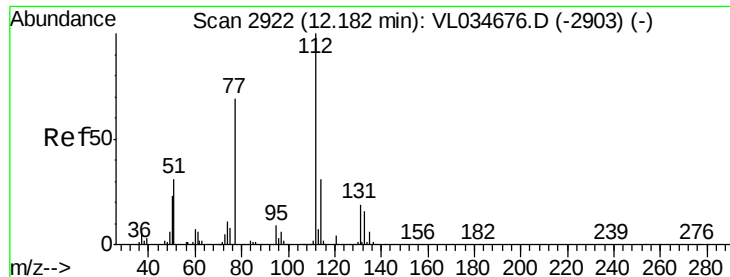
Tot Ion:117 Resp: 3016452
Ion Ratio Lower Upper
117 100
82 56.8 54.1 81.1
119 46.9 27.6 41.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.005 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion:131 Resp: 1028417
Ion Ratio Lower Upper
131 100
133 95.0 76.6 114.8
119 137.7 51.3 76.9#

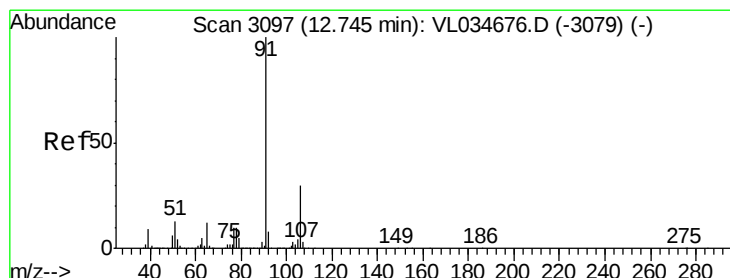
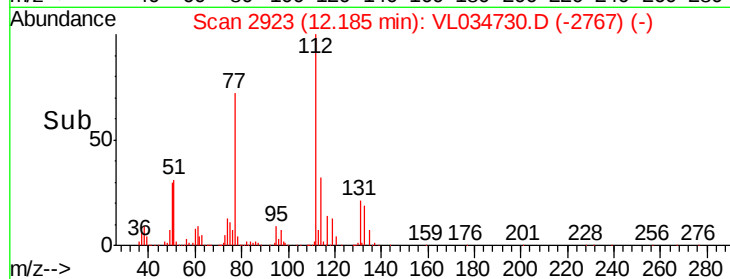
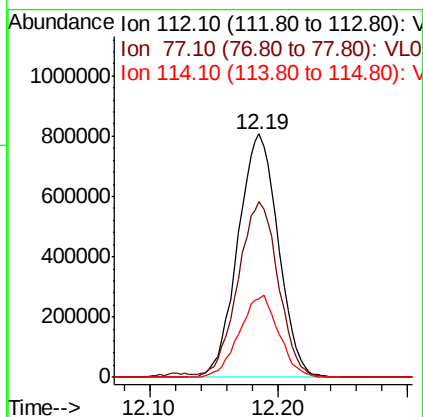
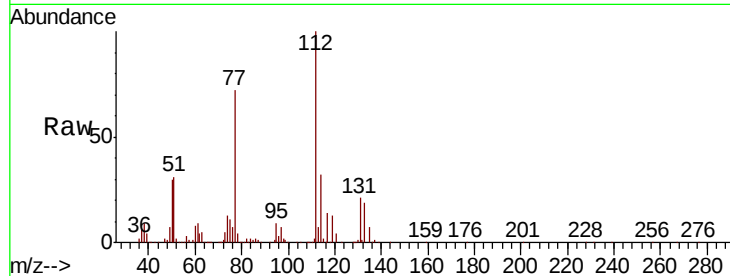




#57
Chlorobenzene
Concen: 7.895 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

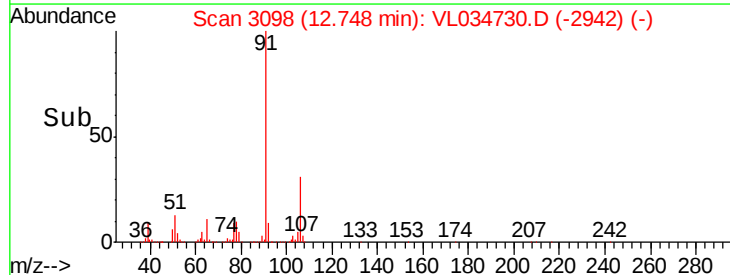
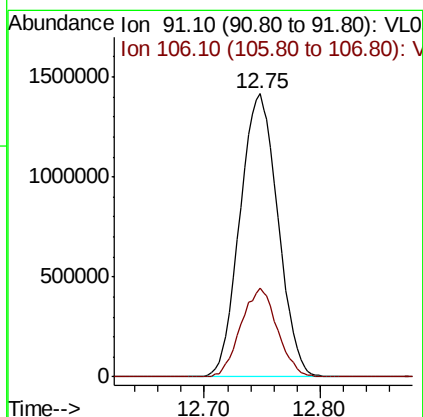
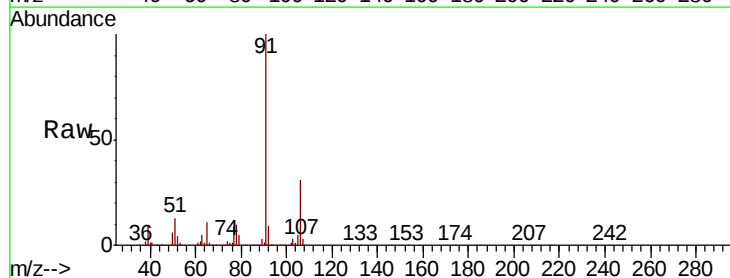
Instrument :
MSVOA_L
ClientSampleId :

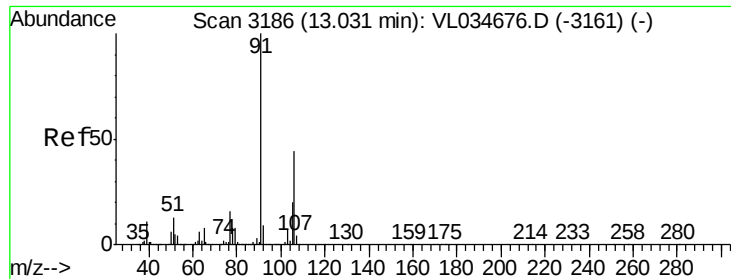
Tot Ion: 112 Resp: 1760118
Ion Ratio Lower Upper
112 100
77 72.0 56.5 84.7
114 32.0 28.1 34.3



#58
Ethyl Benzene
Concen: 8.835 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.00 min
Lab File: VL034730.D
Acq: 28 Feb 2020 5:12

Tgt Ion: 91 Resp: 3224375
Ion Ratio Lower Upper
91 100
106 31.4 24.0 36.0





#59

m/p-Xylene

Concen: 0.344 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

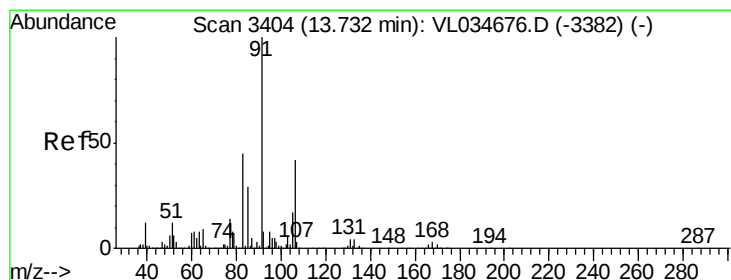
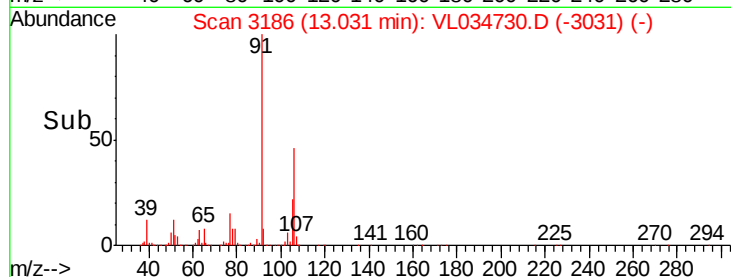
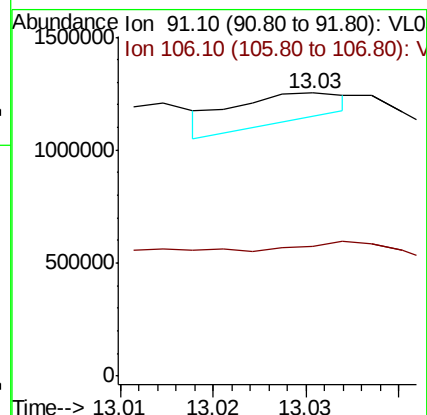
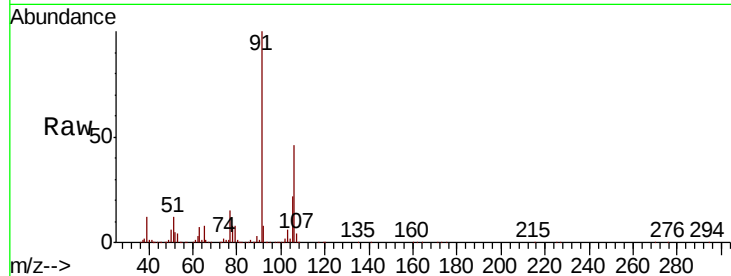
ClientSampled :

Tot Ion: 91 Resp: 109577

Ion Ratio Lower Upper

91 100

106 2154.1 35.6 53.4#



#60

o-Xylene

Concen: 8.073 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. -0.00 min

Lab File: VL034730.D

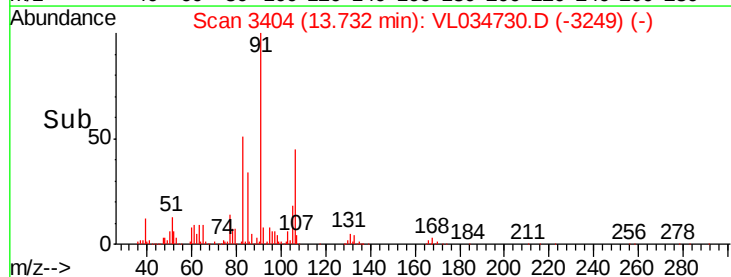
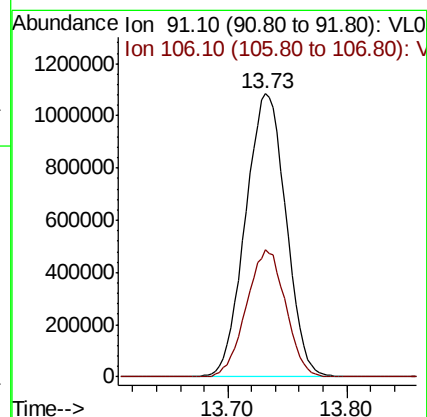
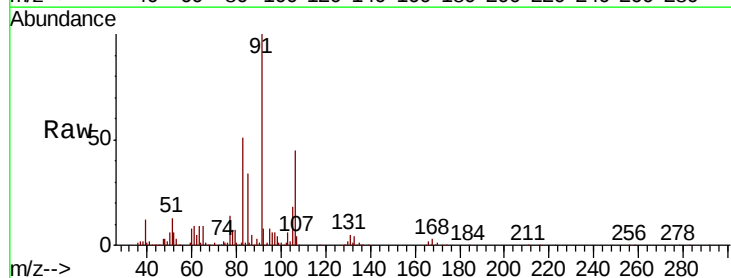
Acq: 28 Feb 2020 5:12

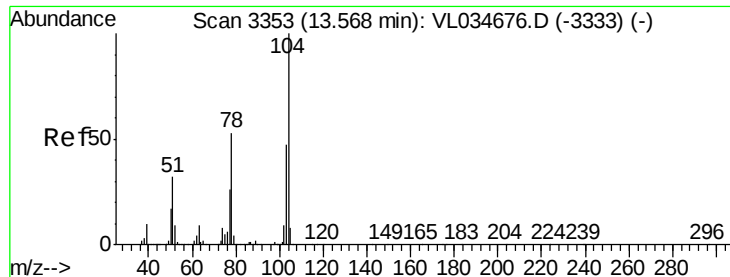
Tgt Ion: 91 Resp: 2549858

Ion Ratio Lower Upper

91 100

106 43.6 21.9 65.5





#61

Stvrene

Concen: 9.234 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampled :

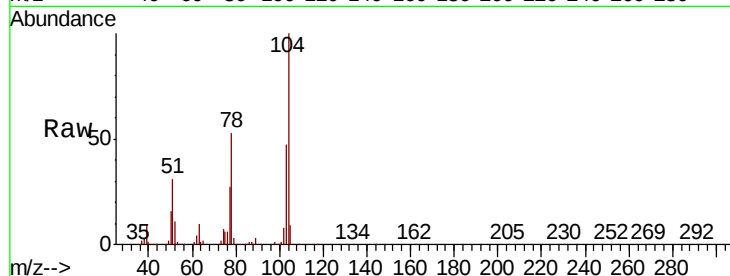
Tot Ion:104 Resp: 1873616

Ion Ratio Lower Upper

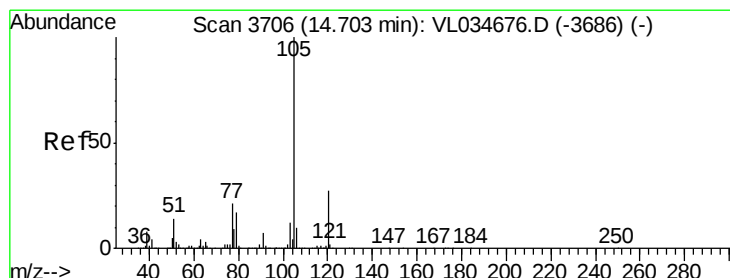
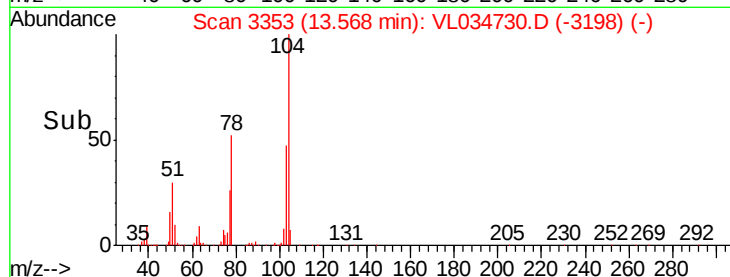
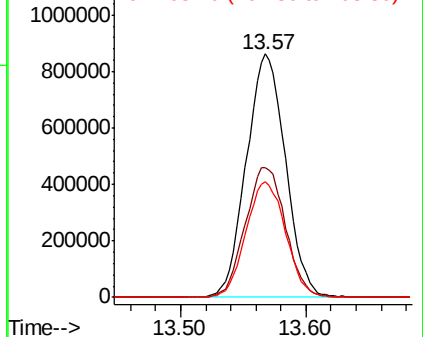
104 100

78 54.6 44.2 66.4

103 48.1 37.4 56.0



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



#62

Isopropylbenzene

Concen: 8.087 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.01 min

Lab File: VL034730.D

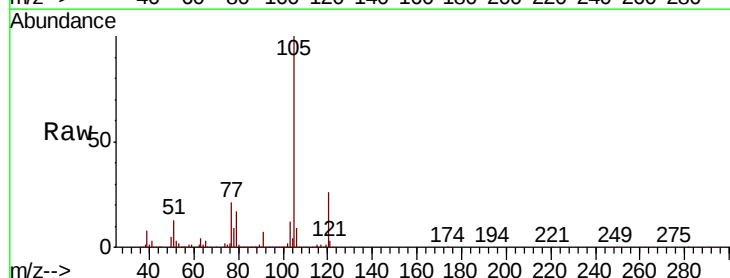
Acq: 28 Feb 2020 5:12

Tgt Ion:105 Resp: 3726430

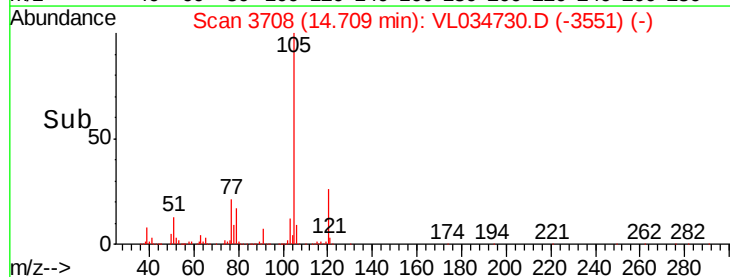
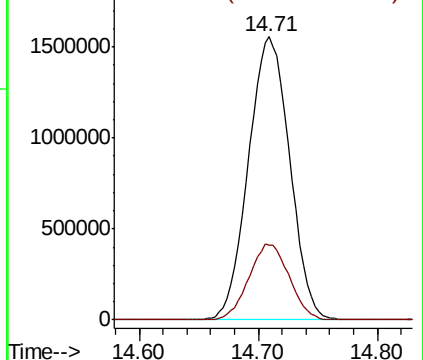
Ion Ratio Lower Upper

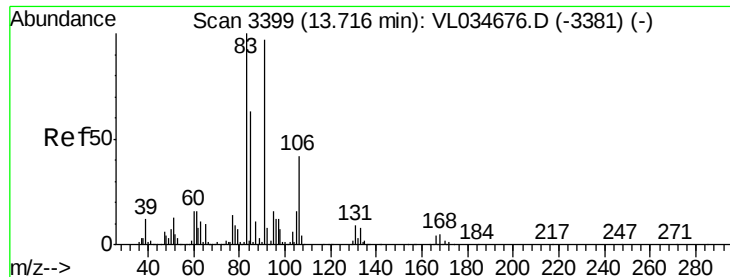
105 100

120 26.2 20.2 30.4



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

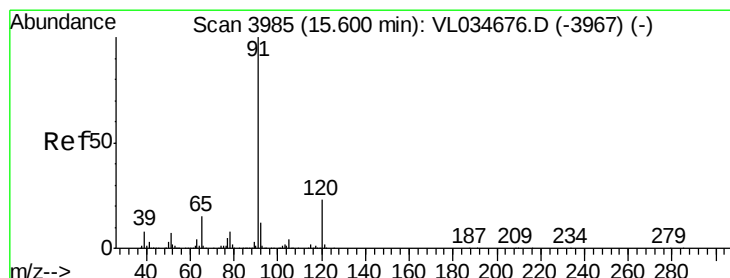
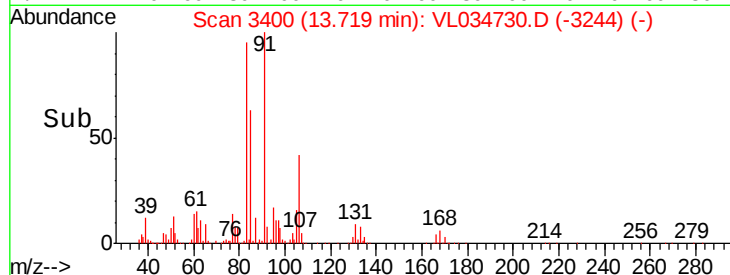
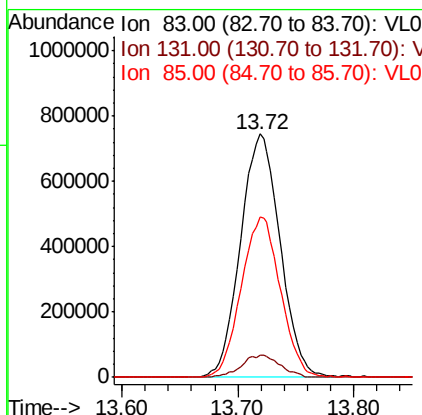
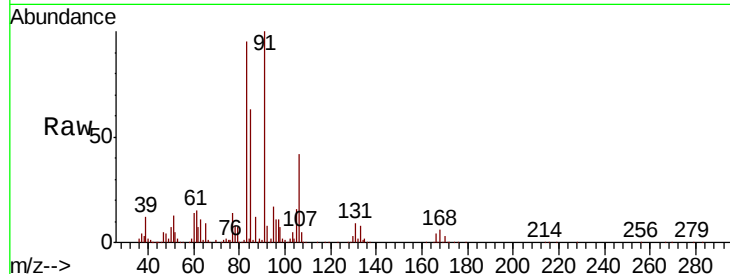




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.201 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

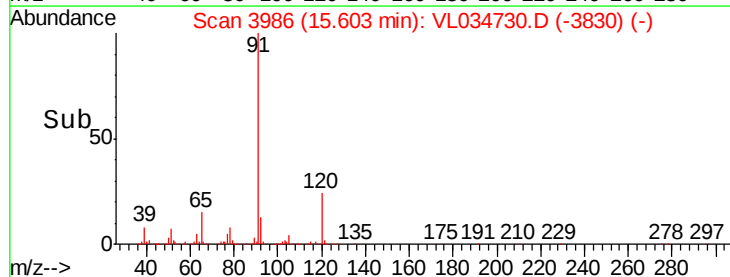
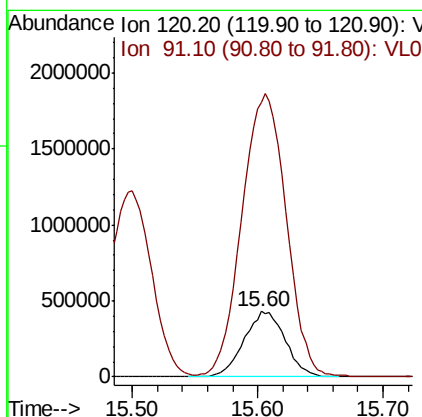
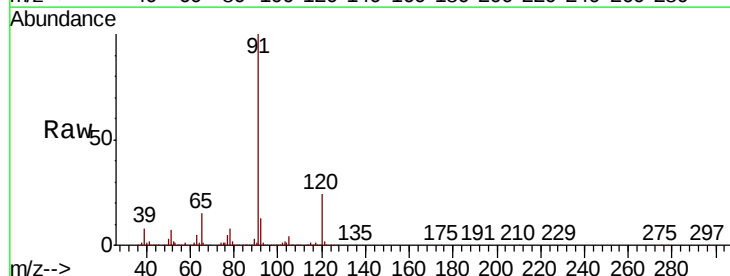
Instrument :
 MSVOA_L
 ClientSampleId :

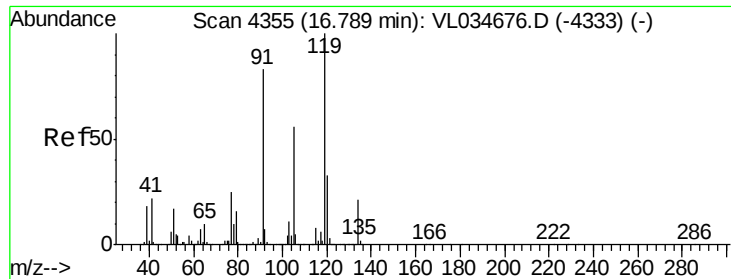
Tot Ion: 83 Resp: 1772759
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.4 13.2
 85 65.5 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.230 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion:120 Resp: 977581
 Ion Ratio Lower Upper
 120 100
 91 469.6 369.8 554.8





#65

tert-Butylbenzene

Concen: 8.048 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

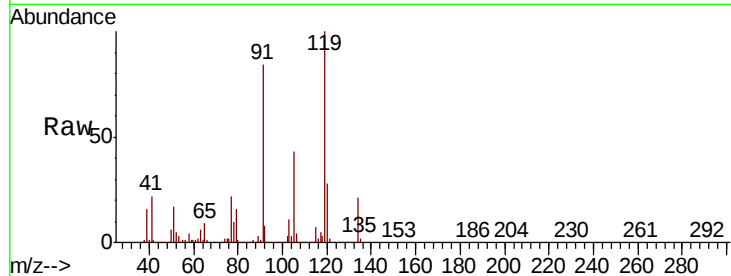
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 3201970

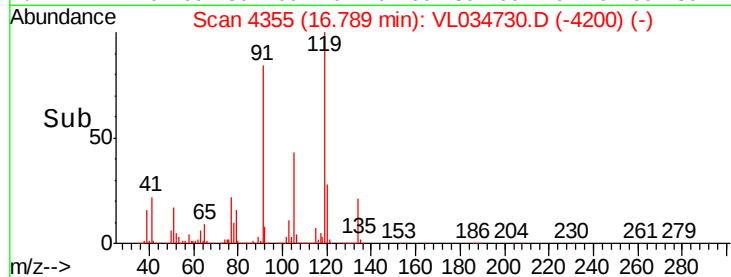
Ion	Ratio	Lower	Upper
119	100		
91	85.5	69.1	103.7
134	20.0	15.8	23.8



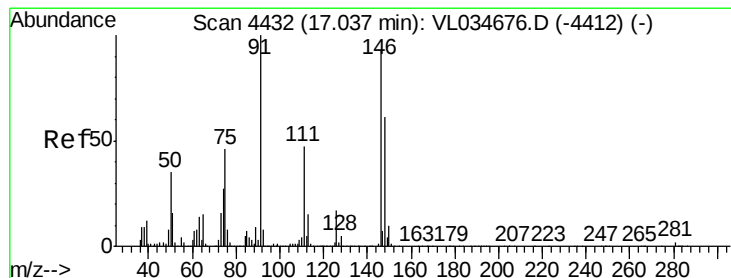
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



Time-->



#66

Benzyl Chloride

Concen: 9.813 ppbv

RT: 17.04 min Scan# 4433

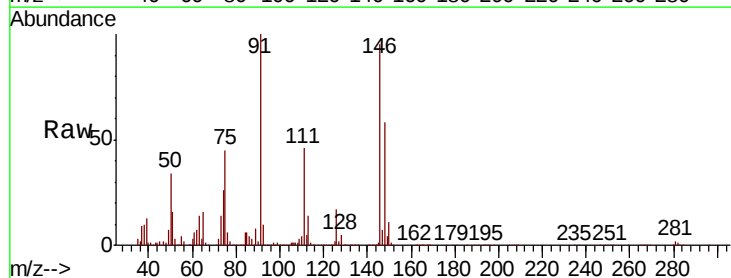
Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Tgt Ion: 91 Resp: 1456325

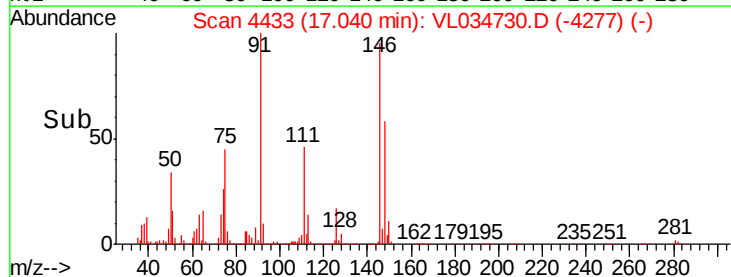
Ion	Ratio	Lower	Upper
91	100		
126	16.7	13.5	20.3
128	5.2	4.2	6.4



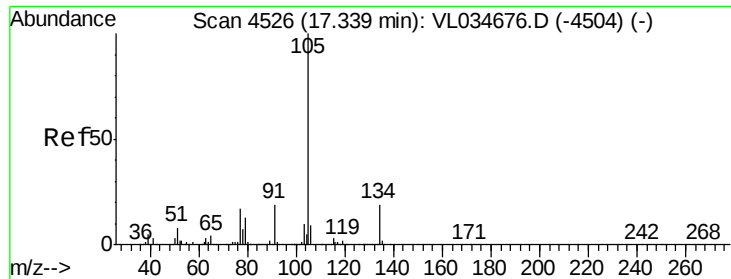
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



Time-->



#67

sec-Butylbenzene

Concen: 7.963 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

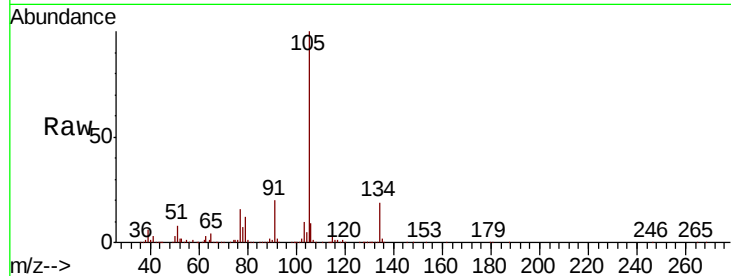
ClientSampleId :

Tot Ion:105 Resp: 4559046

Ion Ratio Lower Upper

105 100

134 18.4 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.35

1500000

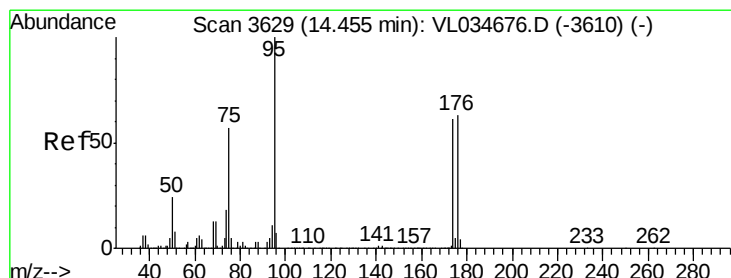
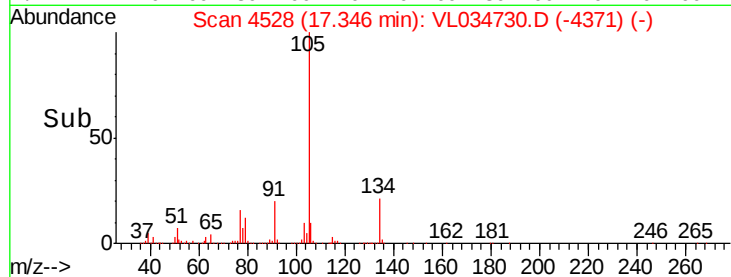
1000000

500000

0

Time-->

17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 8.050 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

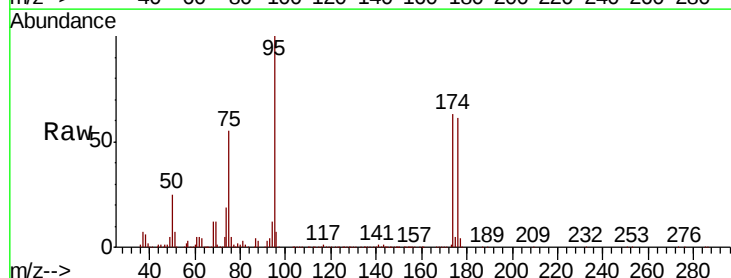
Tgt Ion: 95 Resp: 1991086

Ion Ratio Lower Upper

95 100

174 64.8 50.7 76.1

175 5.0 3.9 5.9



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

1200000

1000000

800000

600000

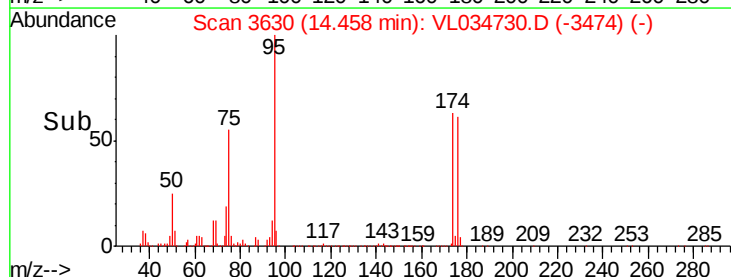
400000

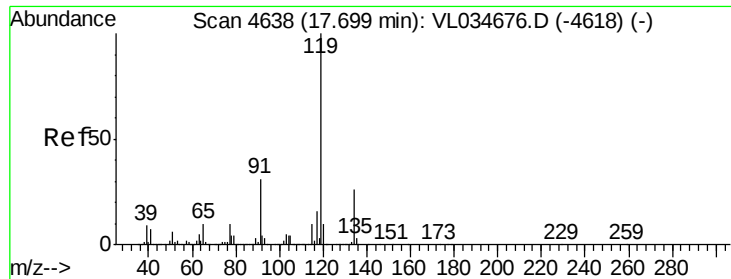
200000

0

Time-->

14.40 14.50

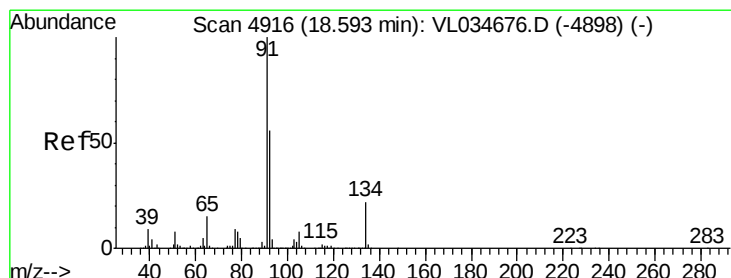
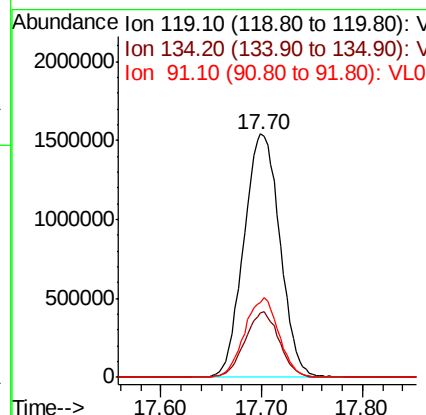
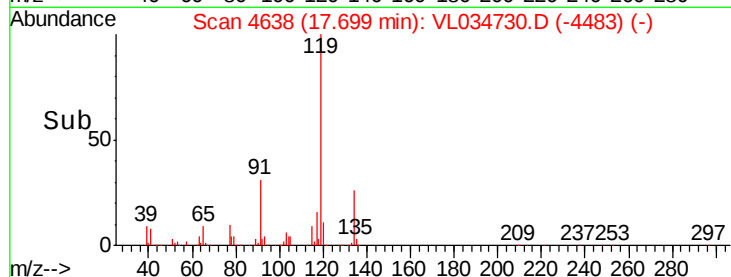
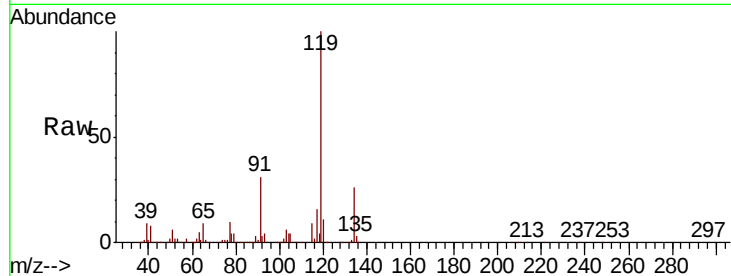




#69
 p-Isopropyltoluene
 Concen: 8.108 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. -0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

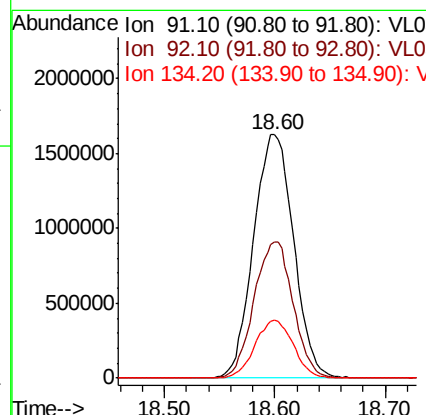
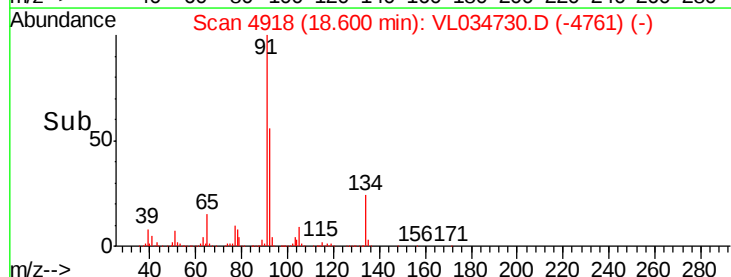
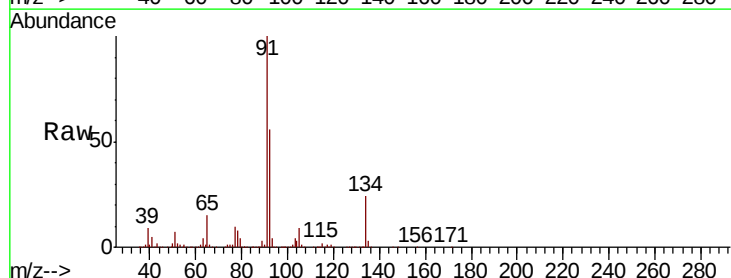
Instrument :
 MSVOA_L
 ClientSampleId :

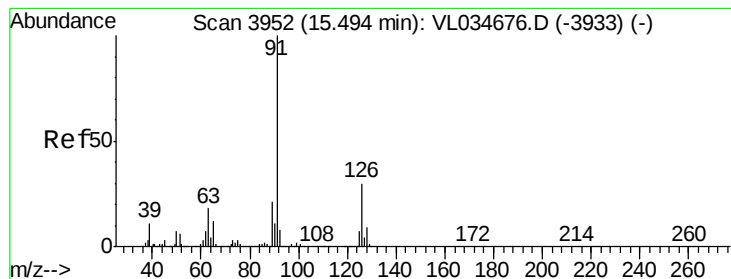
Tot Ion:119 Resp: 3821435
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 31.0
 91 31.2 25.3 37.9



#70
 n-Butylbenzene
 Concen: 8.001 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion: 91 Resp: 4106234
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.6
 134 22.8 17.6 26.4





#71

2-Chlorotoluene

Concen: 8.085 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

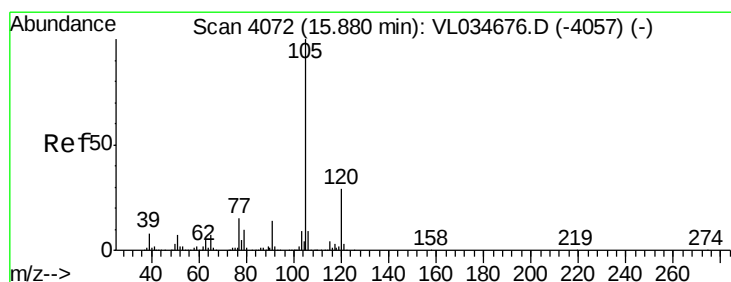
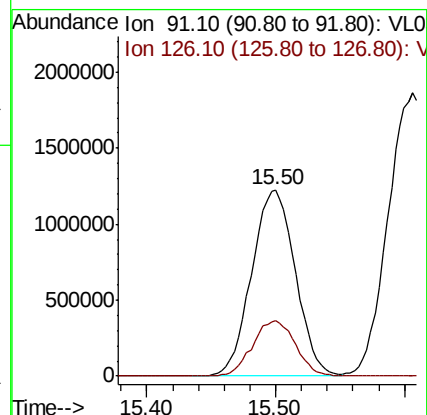
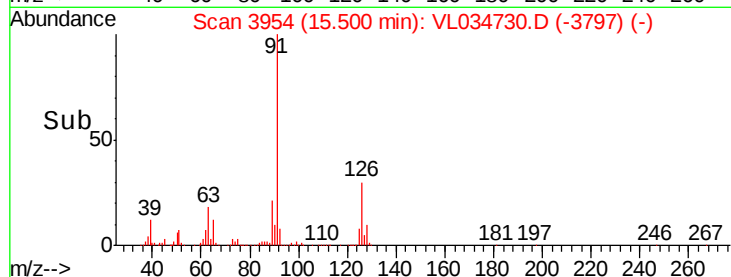
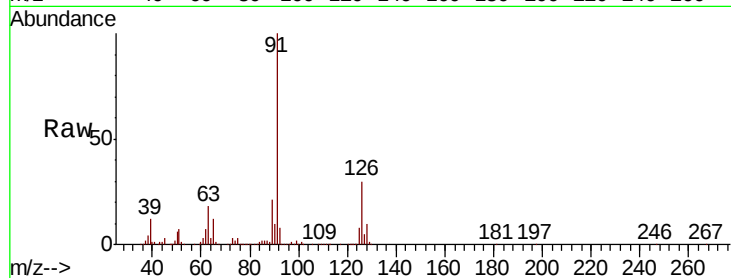
ClientSampleId :

Tot Ion: 91 Resp: 2885162

Ion Ratio Lower Upper

91 100

126 29.5 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.581 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Tgt Ion:105 Resp: 3016886

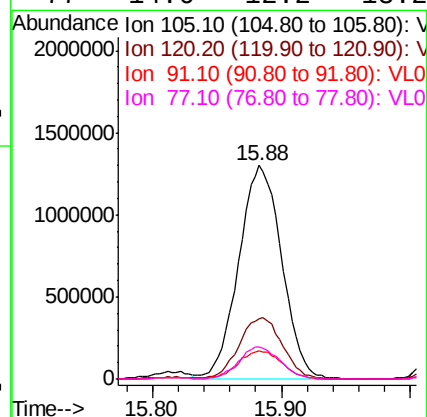
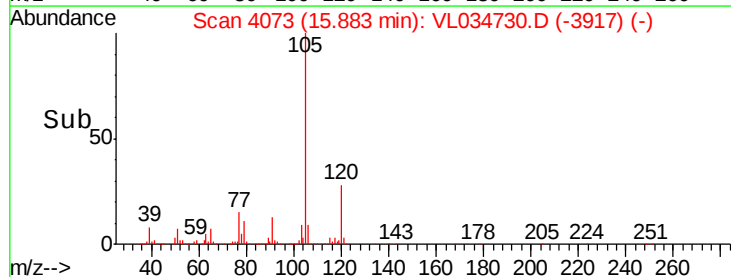
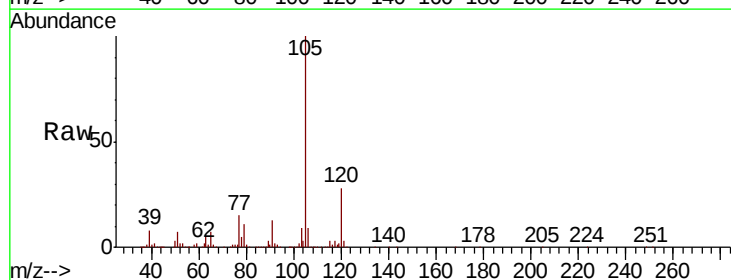
Ion Ratio Lower Upper

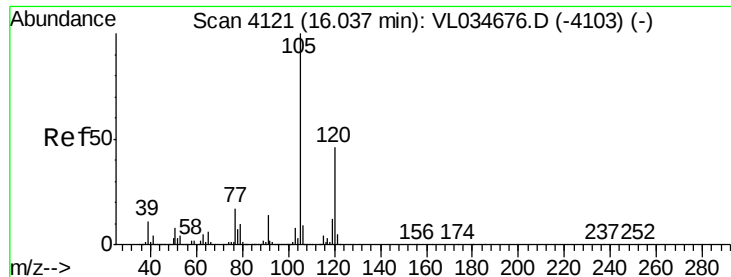
105 100

120 28.8 23.7 35.5

91 13.2 10.9 16.3

77 14.6 12.2 18.2

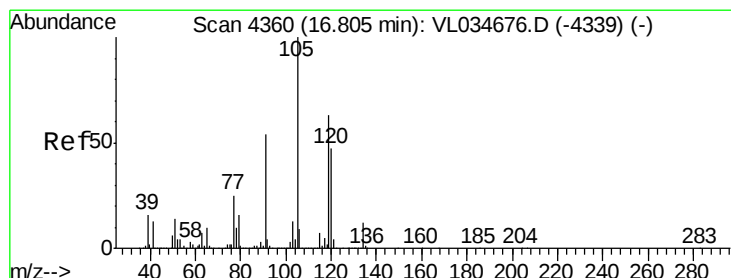
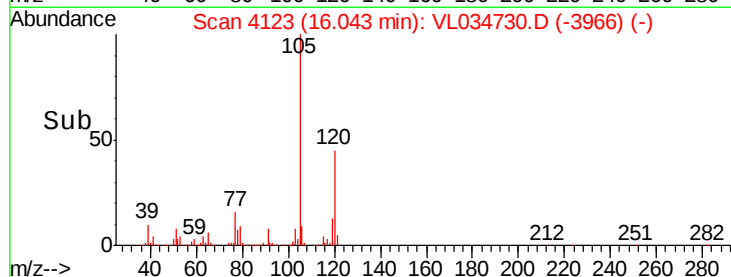
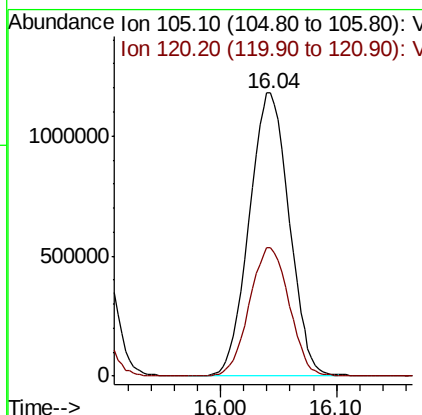
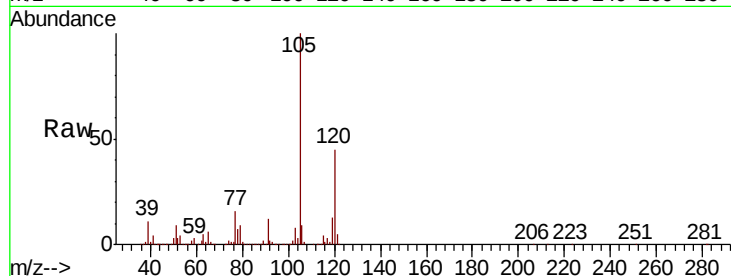




#73
 1,3,5-Trimethylbenzene
 Concen: 8.344 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

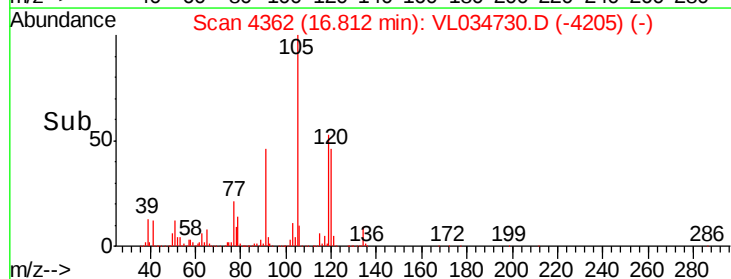
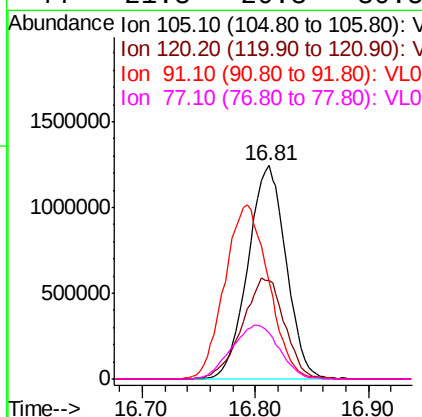
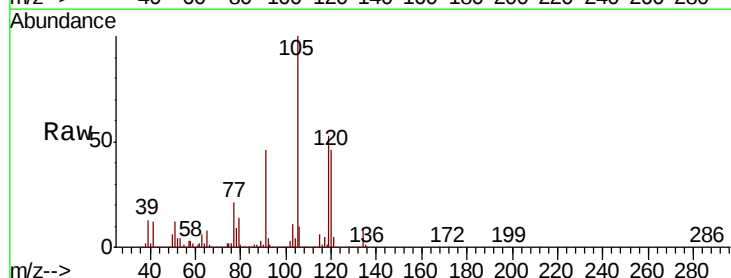
Instrument :
 MSVOA_L
 ClientSampleId :

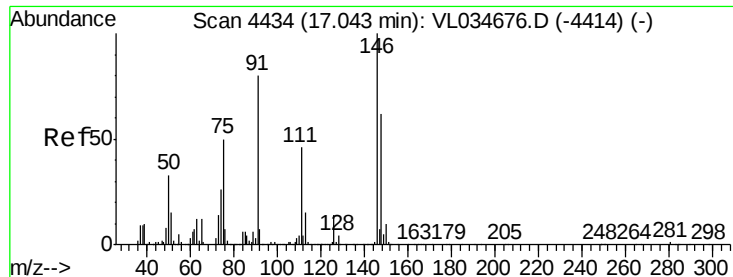
Tot Ion:105 Resp: 2822107
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.1 55.7



#74
 1,2,4-Trimethylbenzene
 Concen: 7.800 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion:105 Resp: 2913392
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.9 56.9
 91 45.3 43.9 65.9
 77 21.3 20.3 30.5





#75

1,3-Dichlorobenzene

Concen: 7.690 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampled :

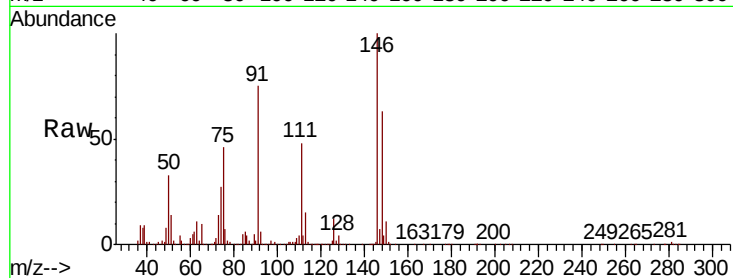
Tot Ion:146 Resp: 1657963

Ion Ratio Lower Upper

146 100

111 48.4 24.4 73.2

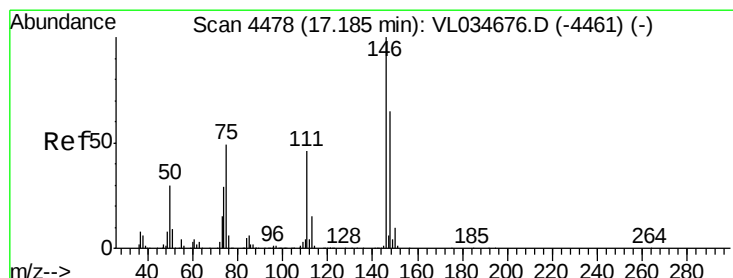
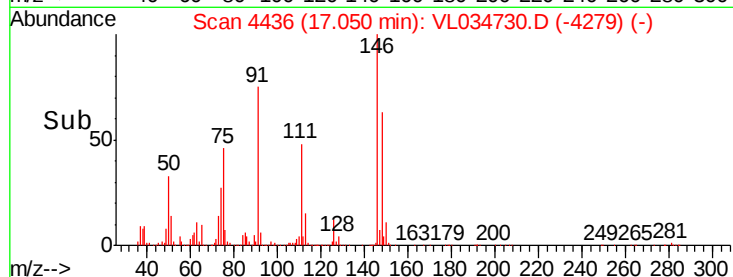
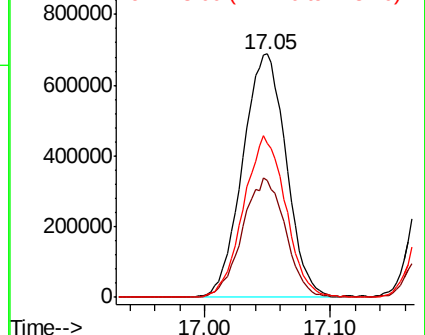
148 64.3 32.5 97.4



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



#76

1,4-Dichlorobenzene

Concen: 7.840 ppbv

RT: 17.19 min Scan# 4479

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

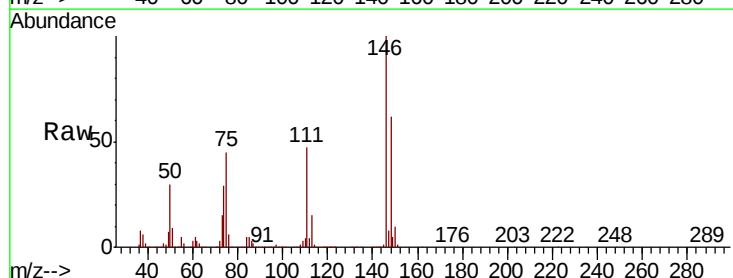
Tgt Ion:146 Resp: 1691191

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.0

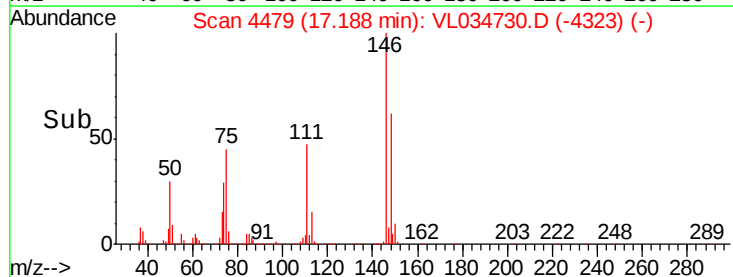
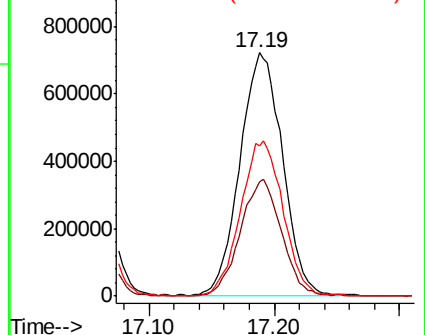
148 64.3 31.9 95.5

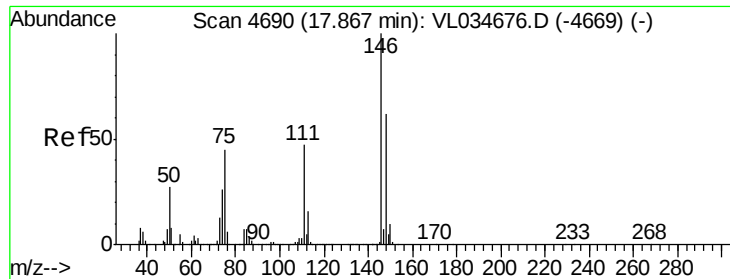


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

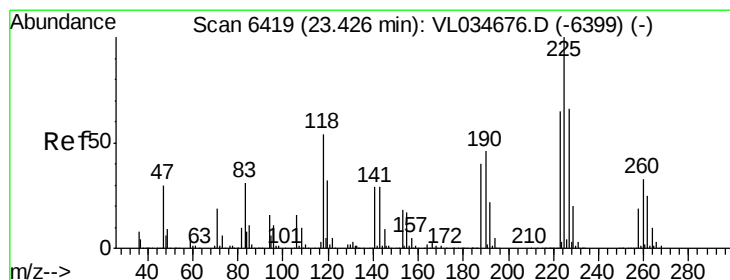
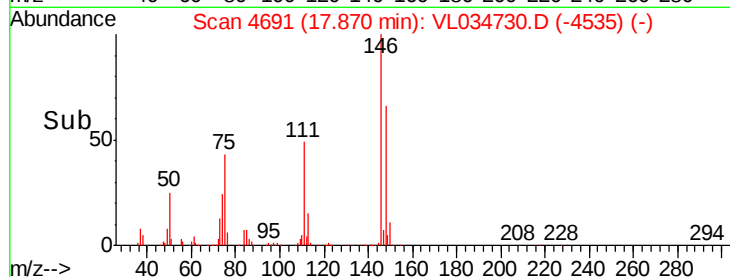
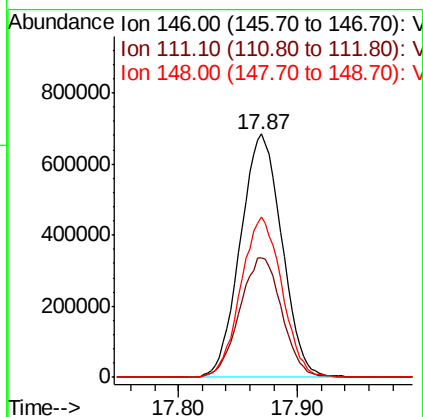
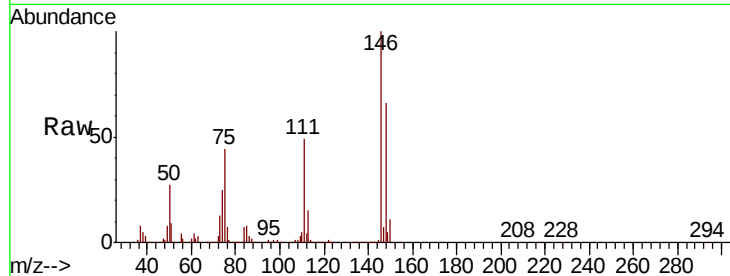




#77
 1,2-Dichlorobenzene
 Concen: 7.935 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

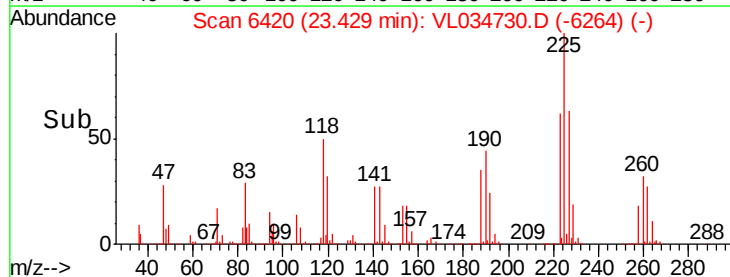
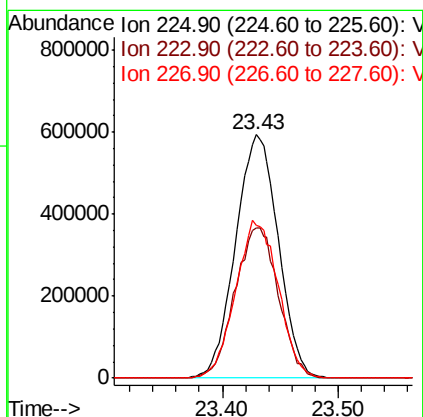
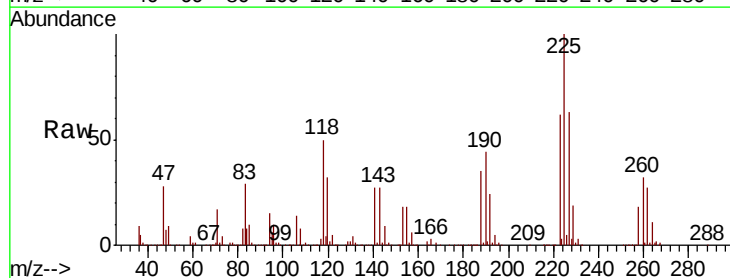
Instrument :
 MSVOA_L
 ClientSampleId :

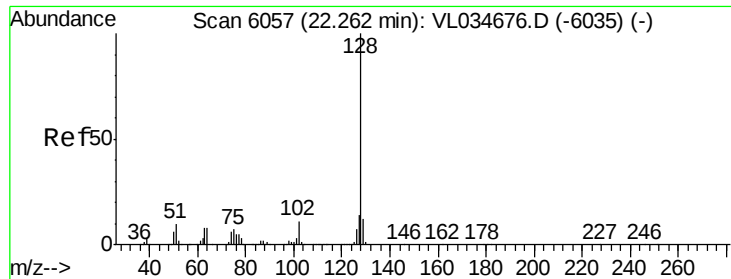
Tot Ion:146 Resp: 1653878
 Ion Ratio Lower Upper
 146 100
 111 49.8 24.9 74.7
 148 65.2 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.375 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL034730.D
 Acq: 28 Feb 2020 5:12

Tgt Ion:225 Resp: 1519958
 Ion Ratio Lower Upper
 225 100
 223 63.1 51.3 76.9
 227 64.7 51.3 76.9





#79

Naphthalene

Concen: 9.095 ppbv

RT: 22.27 min Scan# 6058

Delta R.T. 0.00 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampled :

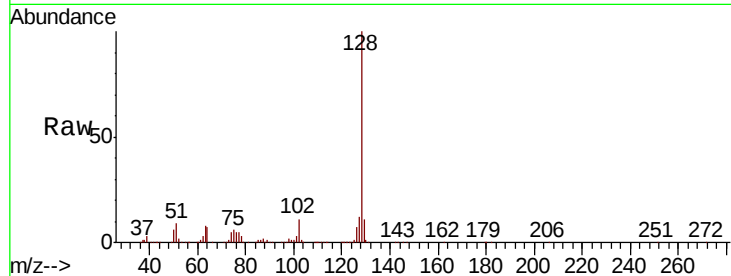
Tot Ion:128 Resp: 2989696

Ion Ratio Lower Upper

128 100

127 11.8 11.0 16.6

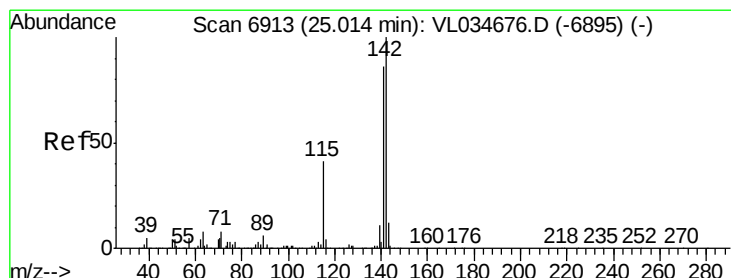
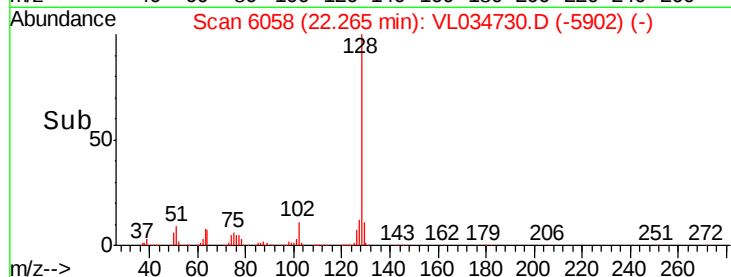
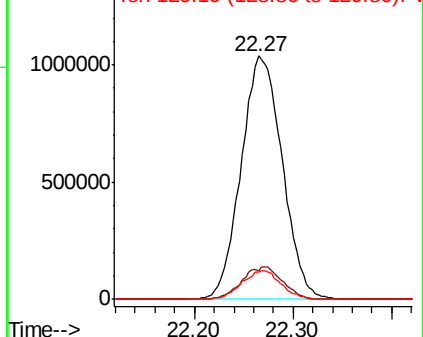
129 11.0 9.4 14.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.946 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

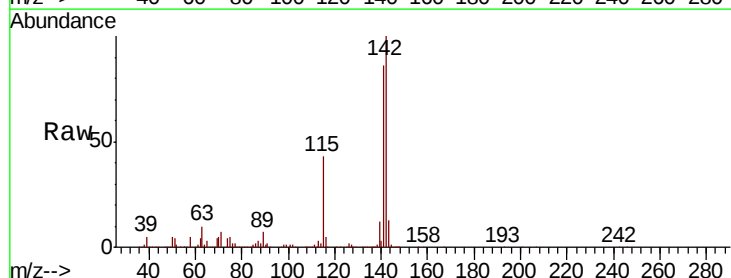
Tgt Ion:142 Resp: 1211146

Ion Ratio Lower Upper

142 100

141 85.0 66.5 99.7

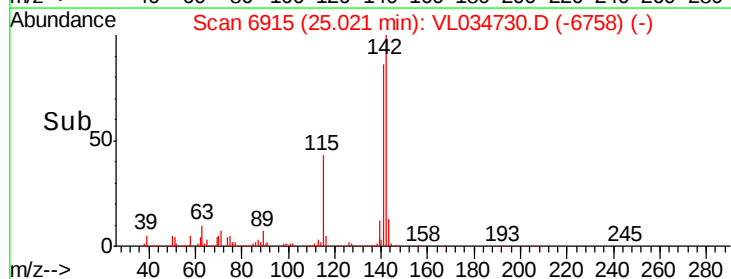
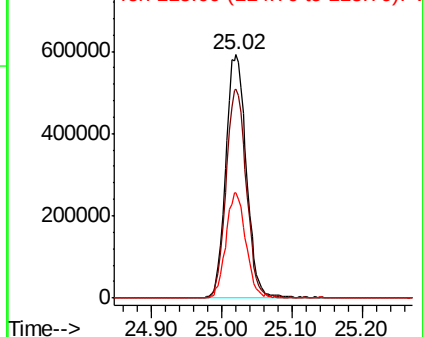
115 42.1 30.6 46.0

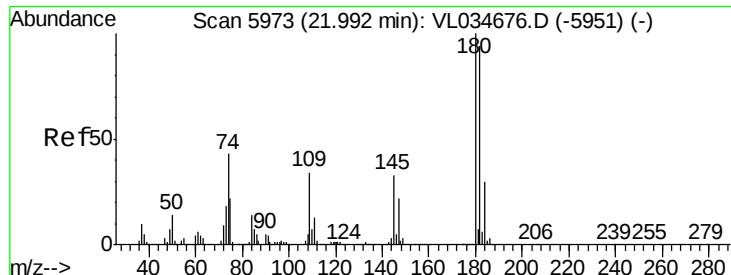


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.791 ppbv

RT: 22.00 min Scan# 5975

Delta R.T. 0.01 min

Lab File: VL034730.D

Acq: 28 Feb 2020 5:12

Instrument :

MSVOA_L

ClientSampleId :

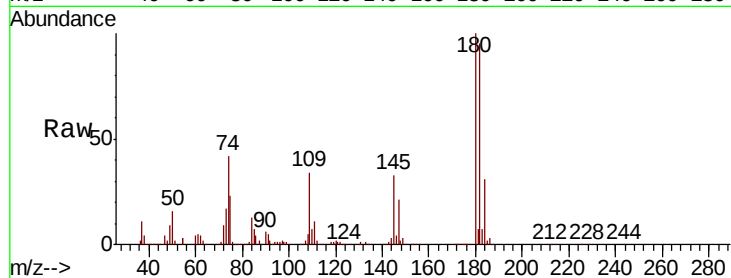
Tot Ion:180 Resp: 1724574

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

184 30.8 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

800000 Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

