

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034772.D
 Acq On : 3 Mar 2020 20:29
 Operator : SY/AP
 Sample : L1698-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:48:38 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	5.69	49	1099202	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2267859	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2224368	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1868539	10.24	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	24945	0.144	ppbv 89
3) Chlorodifluoromethane	2.94	51	125952	1.062	ppbv # 69
4) Chloromethane	3.12	50	5102	0.077	ppbv # 43
9) Propene	2.99	41	11896	0.240	ppbv # 15
10) Heptane	8.16	43	161508	1.265	ppbv 97
11) Trichlorofluoromethane	3.94	101	1324754	8.722	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5208	0.049	ppbv # 62
13) Ethanol	3.60	45	290183	18.525	ppbv 94
15) Acetone	3.84	43	2968091	23.696	ppbv 93
16) 1,3-Butadiene	3.29	39	65512	1.130	ppbv # 17
17) tert-Butyl alcohol	4.30	59	42620	0.444	ppbv 95
19) Isopropyl Alcohol	3.97	45	488862	6.552	ppbv # 1
20) Methylene Chloride	4.35	84	209370	4.494	ppbv 96
23) Vinyl Acetate	5.08	43	158935	0.933	ppbv 98
25) Ethyl Acetate	5.70	43	83028	0.374	ppbv # 88
26) Hexane	5.70	57	93268	0.913	ppbv # 44
27) Carbon Disulfide	4.55	76	11573	0.100	ppbv # 35
29) Chloroform	5.78	83	26453	0.162	ppbv 96
30) Cyclohexane	7.17	84	6858	0.087	ppbv # 1
31) cis-1,2-Dichloroethene	5.57	61	13331	0.133	ppbv # 88
34) 2-Butanone	5.26	43	284792	1.995	ppbv 98
36) Benzene	6.92	78	60185	0.307	ppbv # 91
38) Trichloroethene	7.88	130	33458	0.443	ppbv 92
39) 1,2-Dichloropropane	7.21	63	648430	8.321	ppbv # 23
40) 1,4-Dioxane	7.91	88	1357	0.051	ppbv # 1
41) Tetrahydrofuran	6.08	42	1822	0.024	ppbv # 10
44) 2,2,4-Trimethylpentane	7.91	57	176767	0.516	ppbv # 79
50) 4-Methyl-2-Pentanone	8.80	43	30361	0.150	ppbv # 39
51) 2-Hexanone	10.19	43	11249	0.071	ppbv # 1
52) Tetrachloroethene	11.28	164	763812	10.638	ppbv 95
53) Toluene	9.86	91	1605838	7.708	ppbv 100
58) Ethyl Benzene	12.78	91	115706	0.430	ppbv 93
59) m/p-Xylene	13.07	91	124853	0.532	ppbv # 32
60) o-Xylene	13.76	91	345439	1.483	ppbv 95
61) Styrene	13.59	104	14325	0.096	ppbv # 74
62) Isopropylbenzene	14.73	105	17580	0.052	ppbv 91
64) n-propylbenzene	15.63	120	17588	0.201	ppbv # 1
65) tert-Butylbenzene	16.83	119	40071	0.137	ppbv # 1
70) n-Butylbenzene	18.64	91	35984	0.095	ppbv # 1
71) 2-Chlorotoluene	15.39	91	19246	0.073	ppbv # 52
72) 4-Ethyltoluene	15.91	105	168274	0.649	ppbv # 96

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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

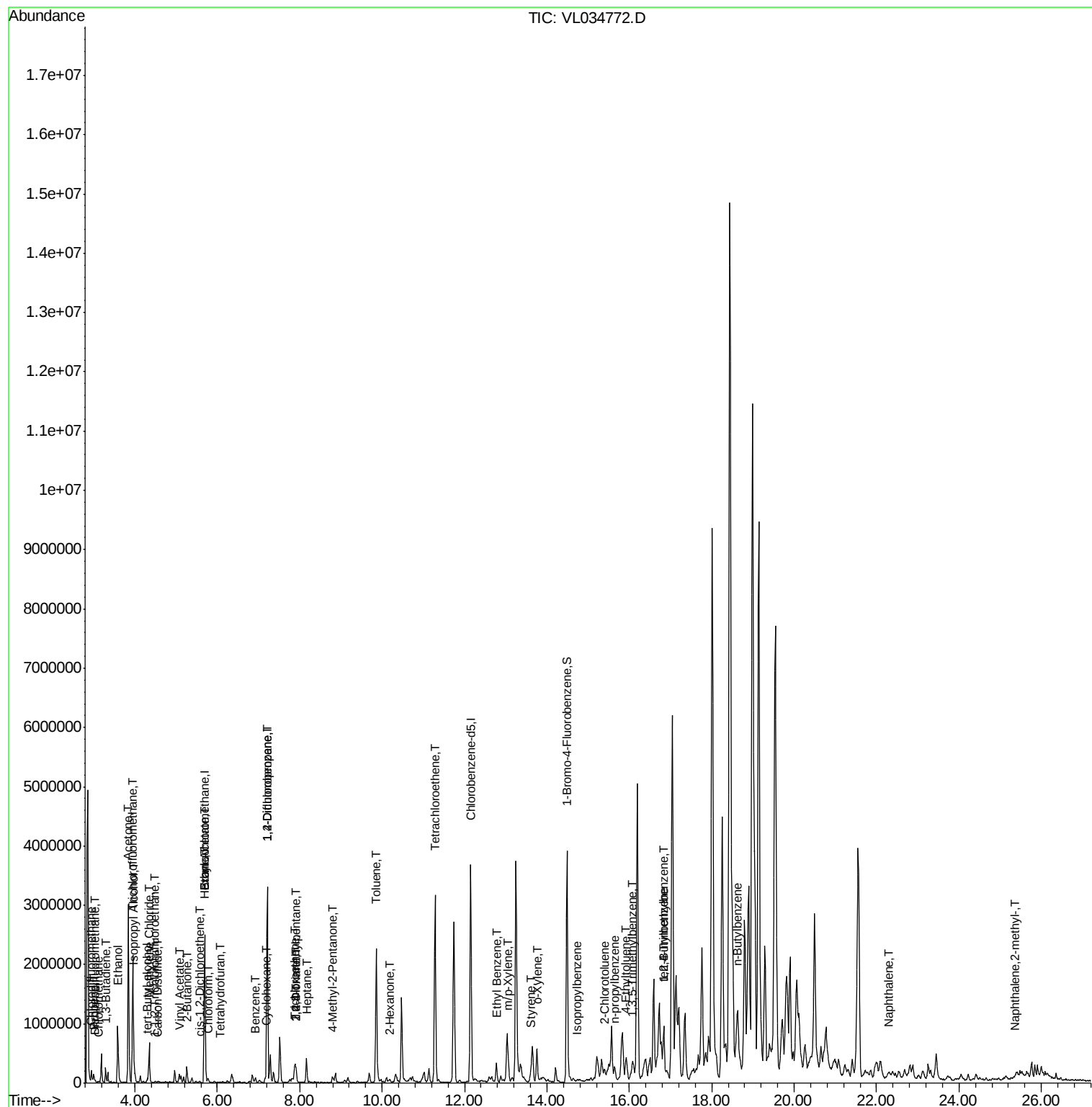
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	16.07	105	172249	0.691	ppbv	92
74) 1,2,4-Trimethylbenzene	16.83	105	636646	2.312	ppbv #	64
79) Naphthalene	22.31	128	23180	0.096	ppbv #	94
80) Naphthalene,2-methyl-	25.36	142	4926	0.066	ppbv	98

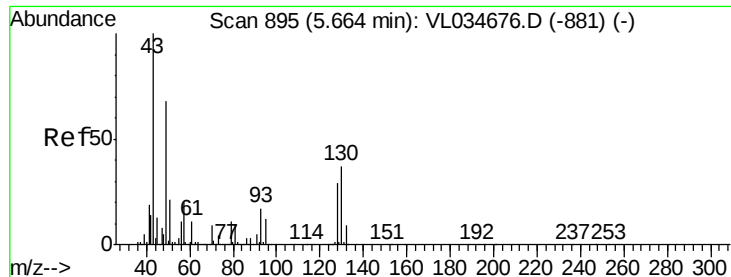
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

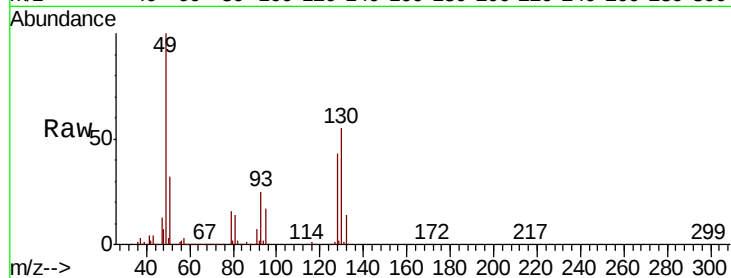
Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1099202

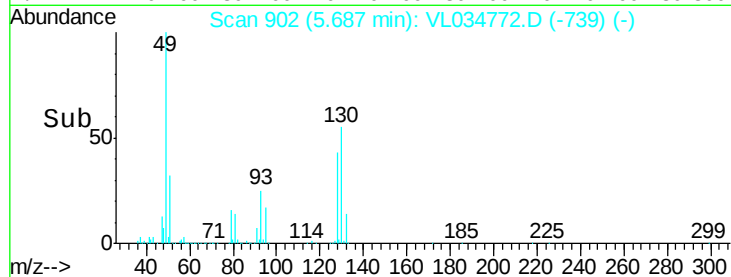
Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.6	65.0
130	55.2	27.7	83.1



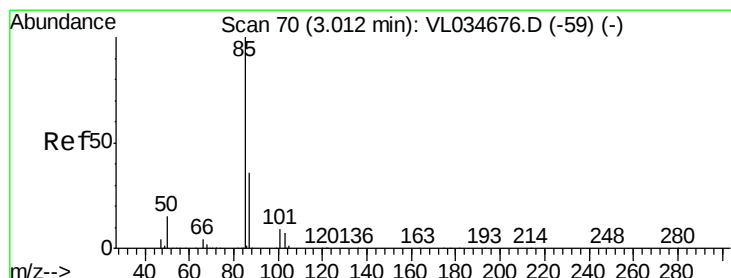
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time--> 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.144 ppbv

RT: 3.03 min Scan# 75

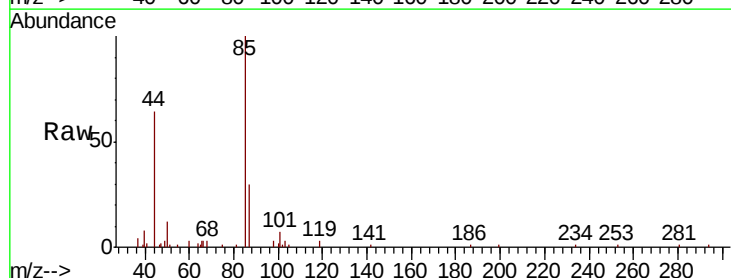
Delta R.T. 0.02 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

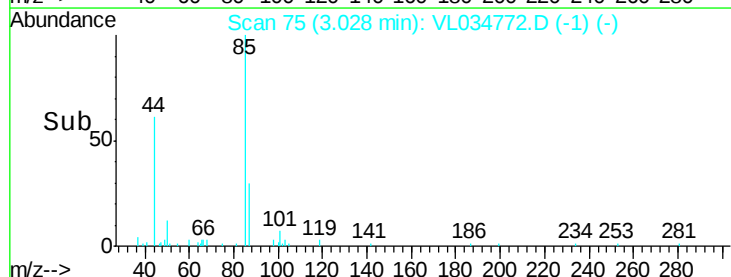
Tgt Ion: 85 Resp: 24945

Ion	Ratio	Lower	Upper
85	100		
87	29.8	29.2	43.8

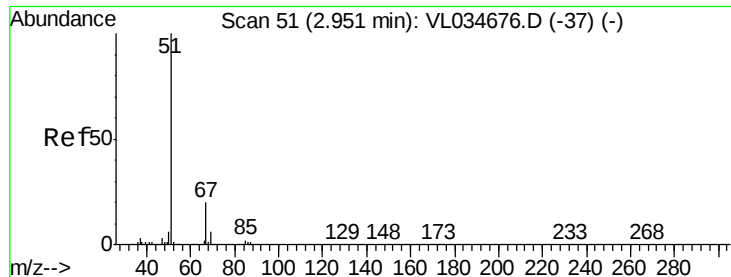


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time--> 3.00 3.05



#3

Chlorodifluoromethane

Concen: 1.062 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.01 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

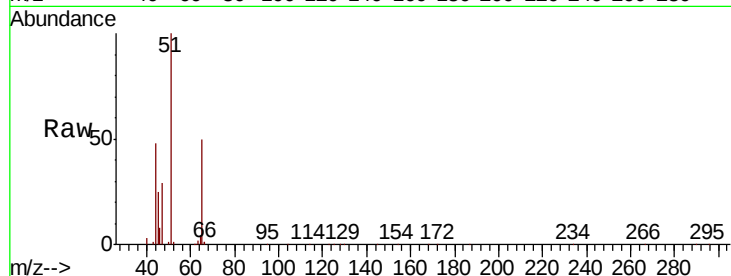
ClientSampleId :

Tot Ion: 51 Resp: 125952

Ion Ratio Lower Upper

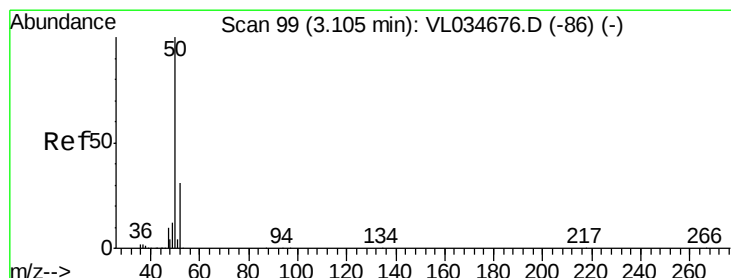
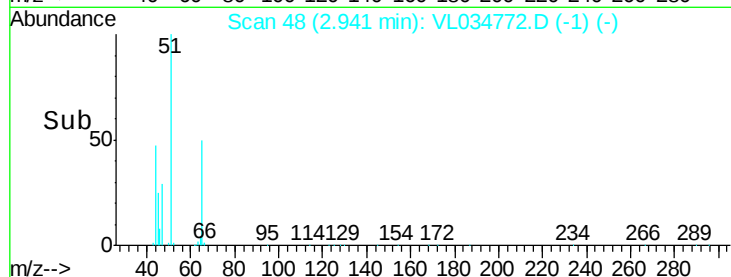
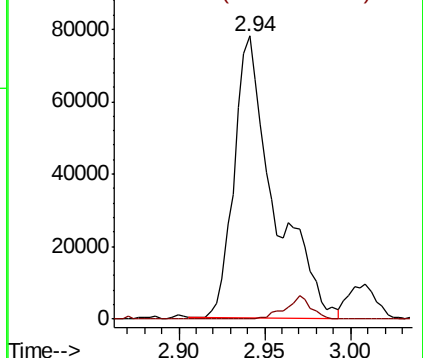
51 100

67 5.2 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: 0.077 ppbv

RT: 3.12 min Scan# 103

Delta R.T. 0.01 min

Lab File: VL034772.D

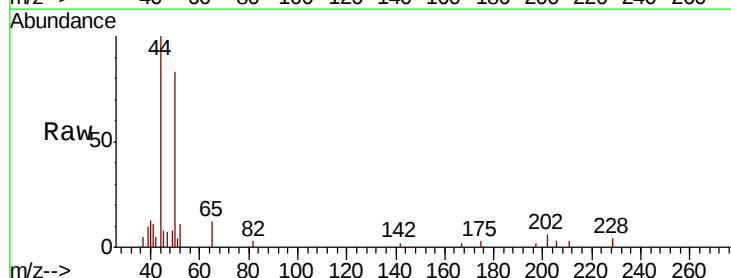
Acq: 3 Mar 2020 20:29

Tgt Ion: 50 Resp: 5102

Ion Ratio Lower Upper

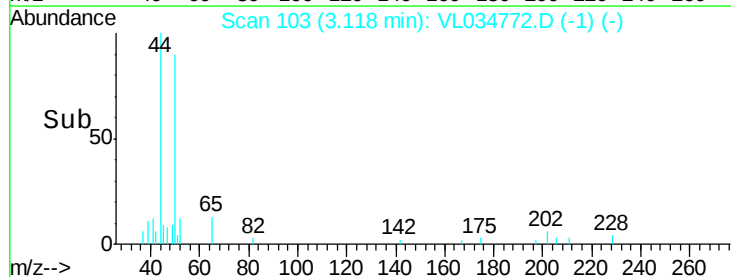
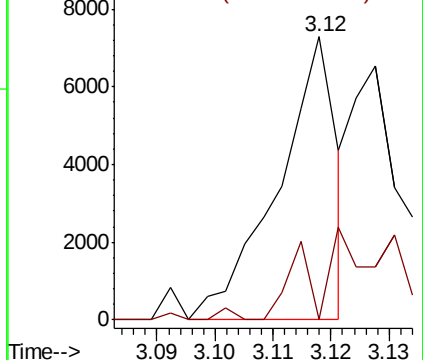
50 100

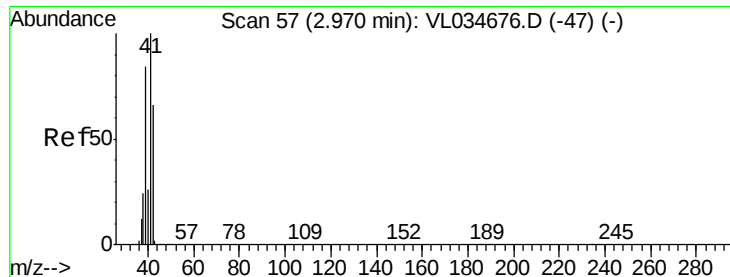
52 0.0 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.240 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

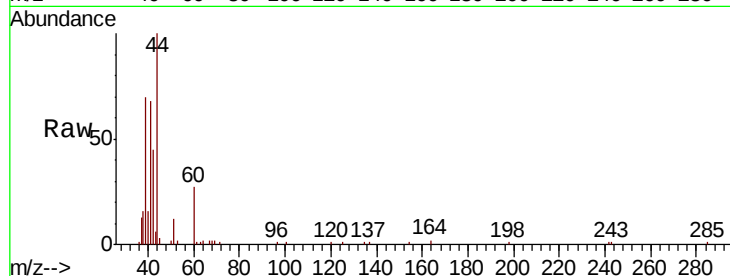
ClientSampleId :

Tot Ion: 41 Resp: 11896

Ion Ratio Lower Upper

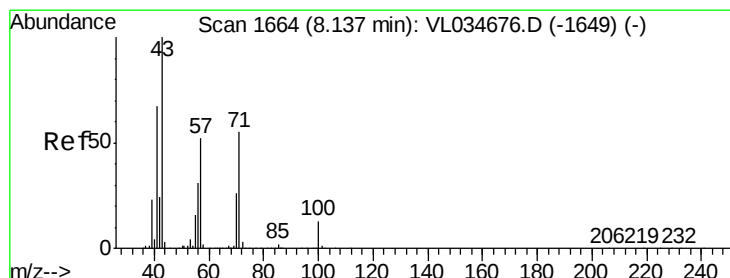
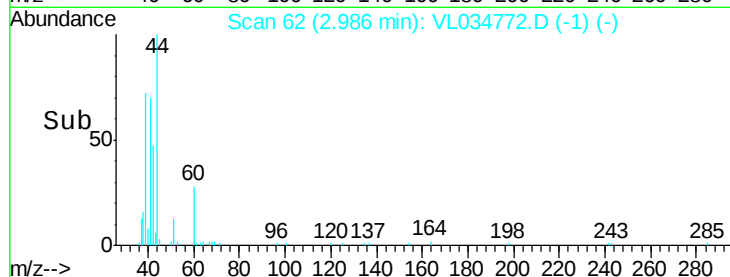
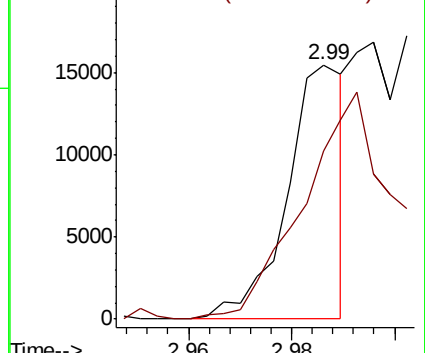
41 100

42 0.0 54.9 82.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.265 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.02 min

Lab File: VL034772.D

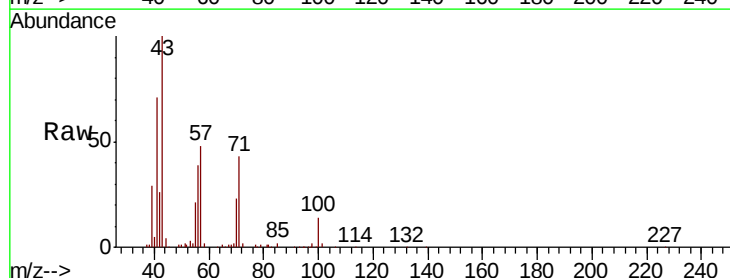
Acq: 3 Mar 2020 20:29

Tgt Ion: 43 Resp: 161508

Ion Ratio Lower Upper

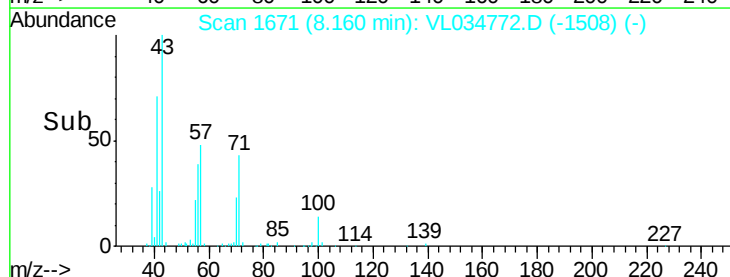
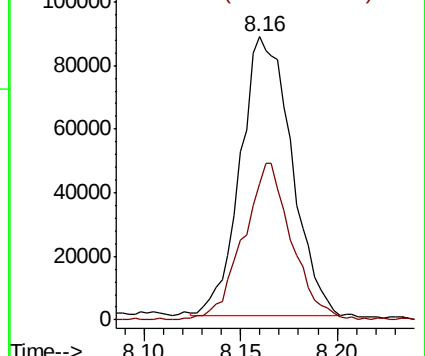
43 100

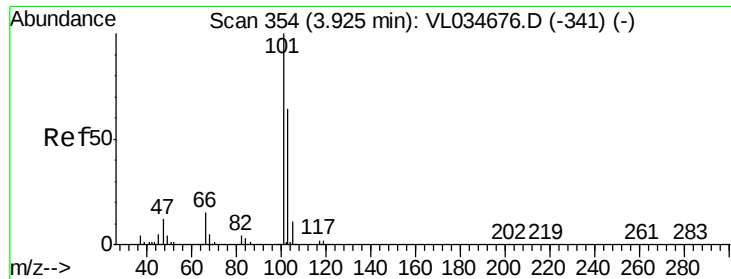
57 53.7 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

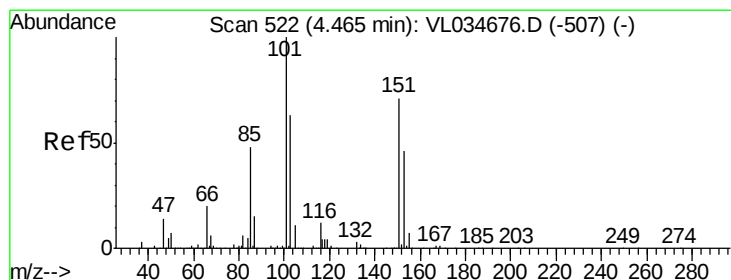
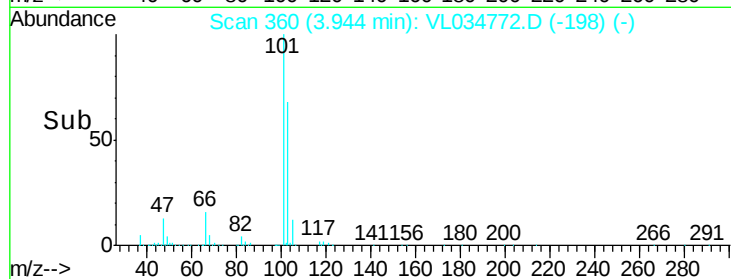
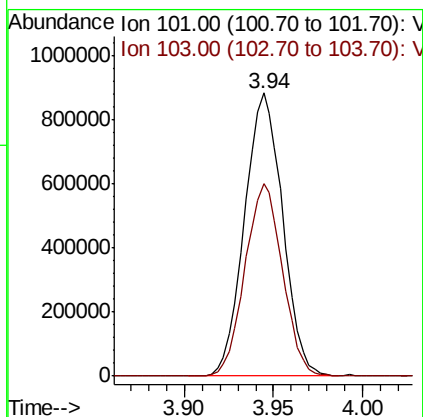
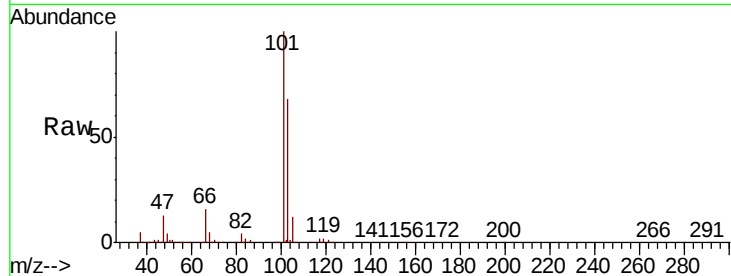




#11
 Trichlorofluoromethane
 Concen: 8.722 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

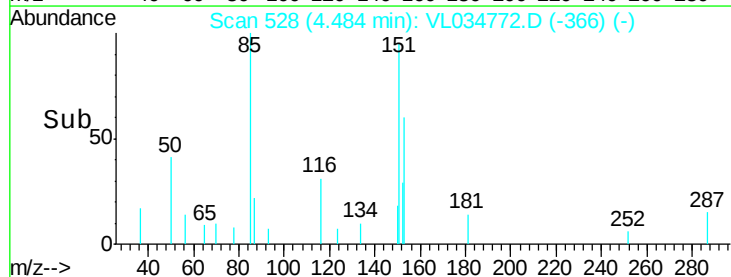
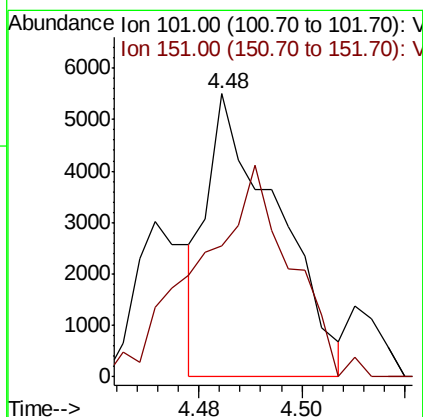
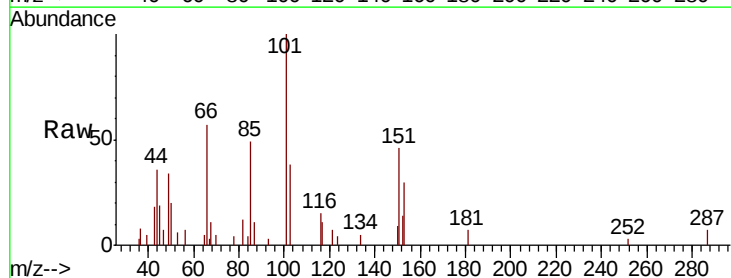
Instrument :
 MSVOA_L
 ClientSampleId :

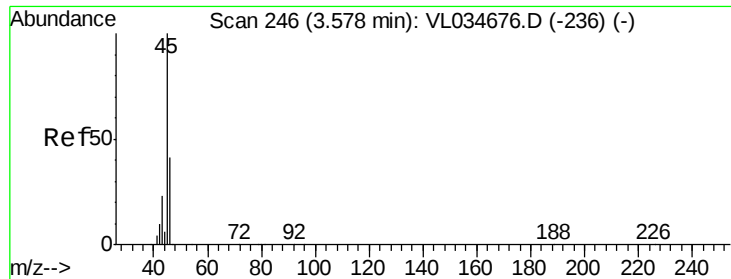
Tot Ion:101 Resp: 1324754
 Ion Ratio Lower Upper
 101 100
 103 68.0 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.049 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.02 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Tgt Ion:101 Resp: 5208
 Ion Ratio Lower Upper
 101 100
 151 100.4 55.8 83.6#

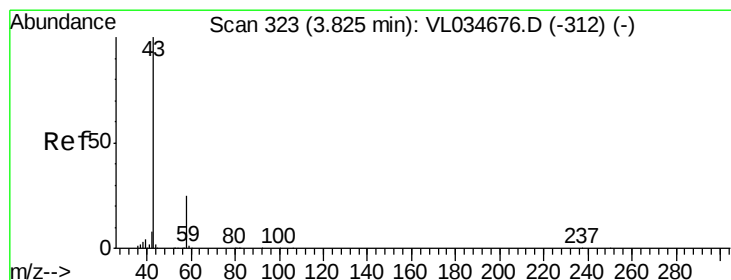
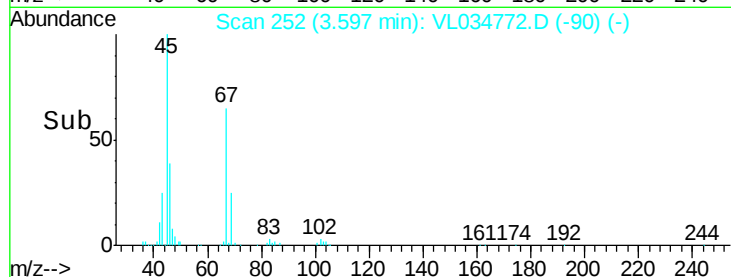
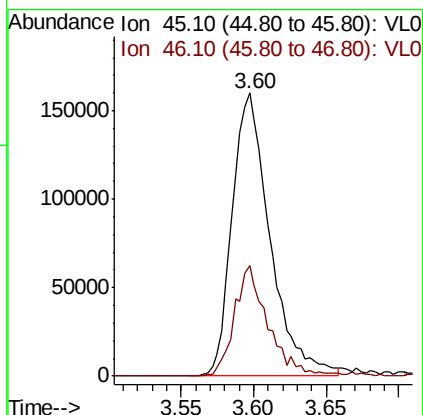
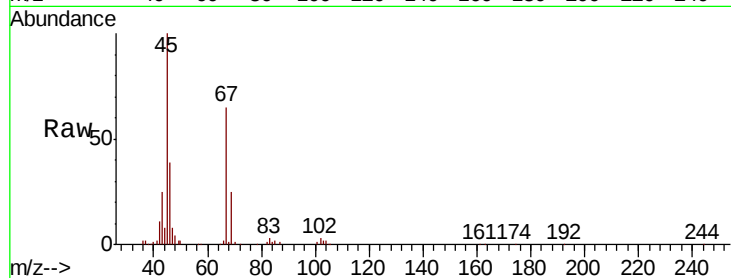




#13
Ethanol
Concen: 18.525 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

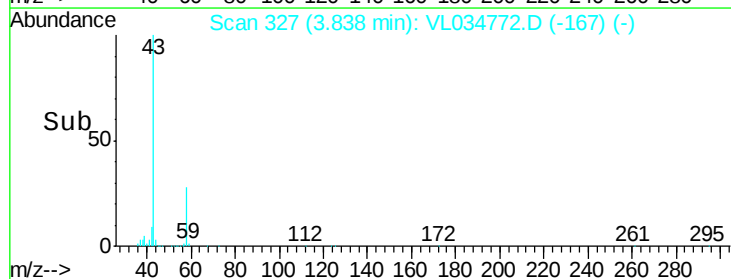
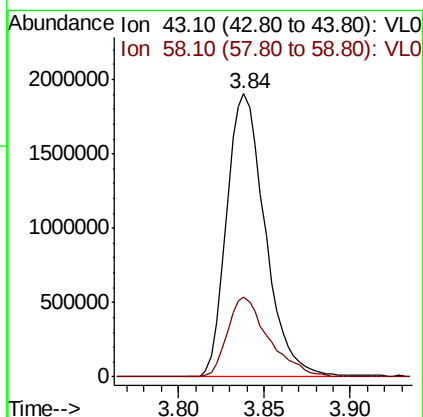
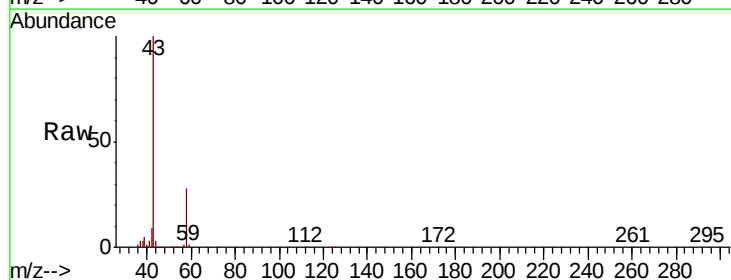
Instrument :
MSVOA_L
ClientSampleId :

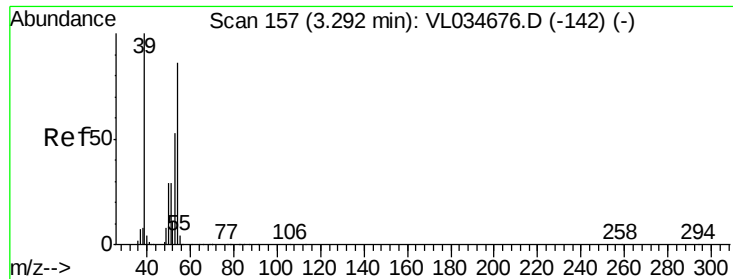
Tot Ion: 45 Resp: 290183
Ion Ratio Lower Upper
45 100
46 34.5 15.4 61.4



#15
Acetone
Concen: 23.696 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 43 Resp: 2968091
Ion Ratio Lower Upper
43 100
58 30.4 21.4 32.0

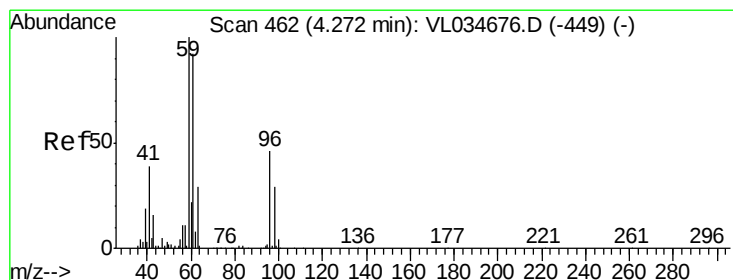
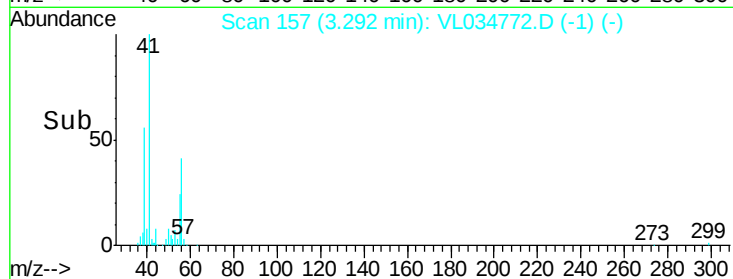
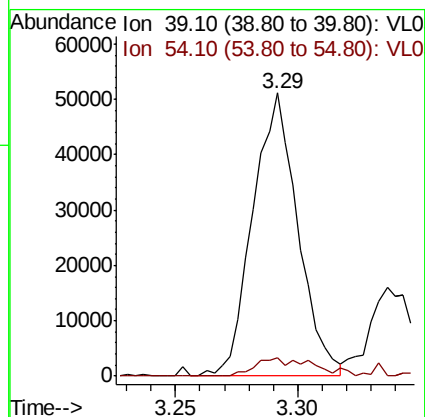
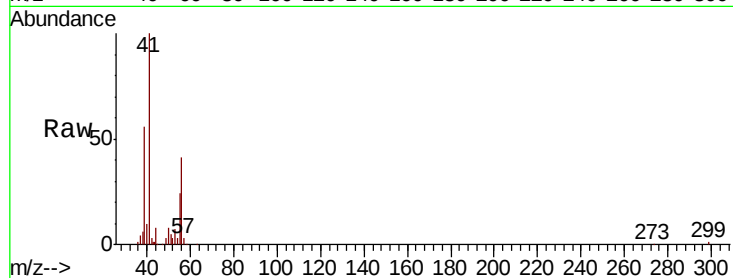




#16
 1,3-Butadiene
 Concen: 1.130 ppbv
 RT: 3.29 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

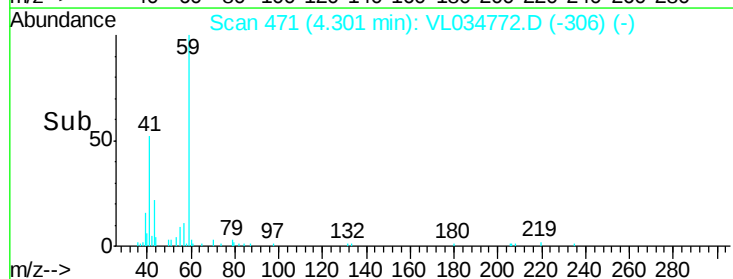
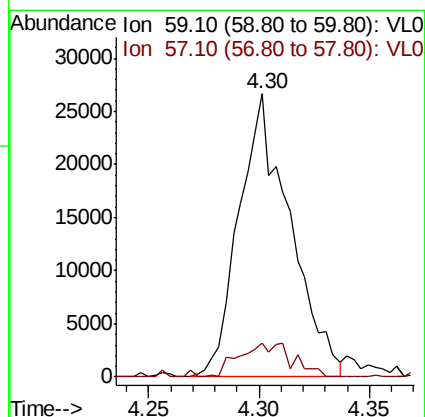
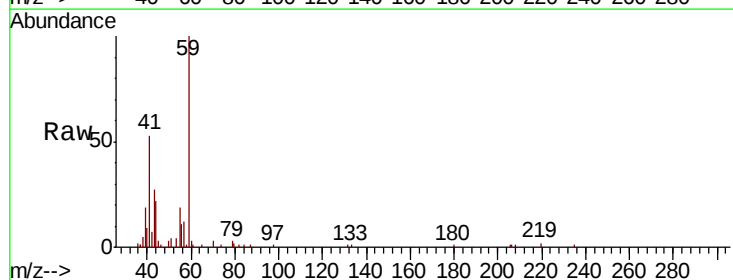
Instrument :
 MSVOA_L
 ClientSampled :

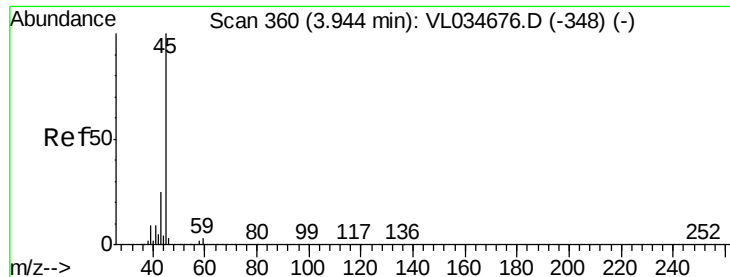
Tot Ion: 39 Resp: 65512
 Ion Ratio Lower Upper
 39 100
 54 8.3 67.0 100.6#



#17
 tert-Butyl alcohol
 Concen: 0.444 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.03 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Tgt Ion: 59 Resp: 42620
 Ion Ratio Lower Upper
 59 100
 57 13.0 8.8 13.2





#19

Isopropyl Alcohol

Concen: 6.552 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

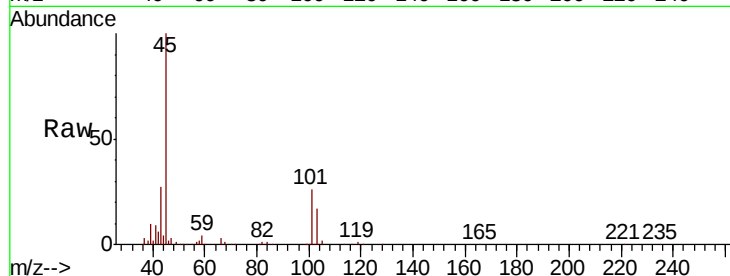
ClientSampleId :

Tot Ion: 45 Resp: 488862

Ion Ratio Lower Upper

45 100

58 185.0 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

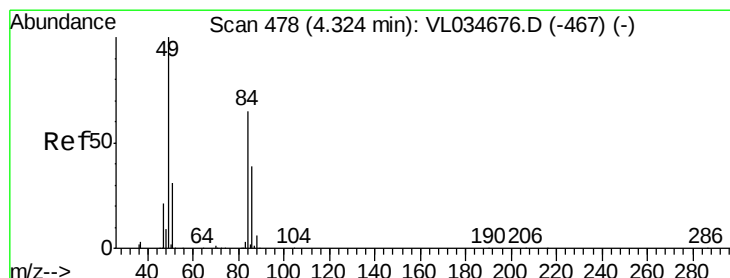
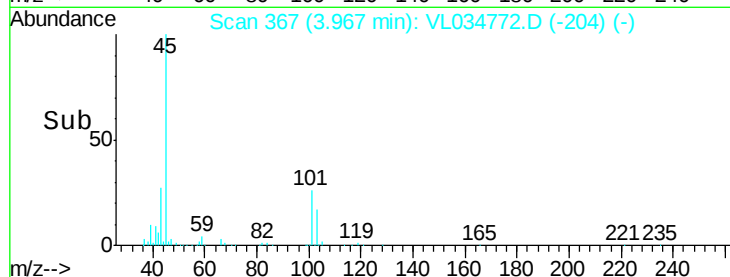
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 4.494 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Tgt Ion: 84 Resp: 209370

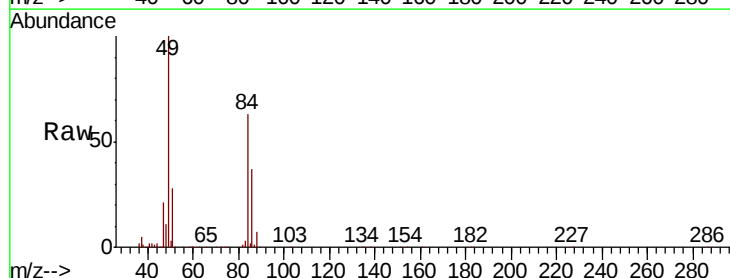
Ion Ratio Lower Upper

84 100

49 159.5 122.8 184.2

51 44.7 38.6 58.0

86 59.8 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

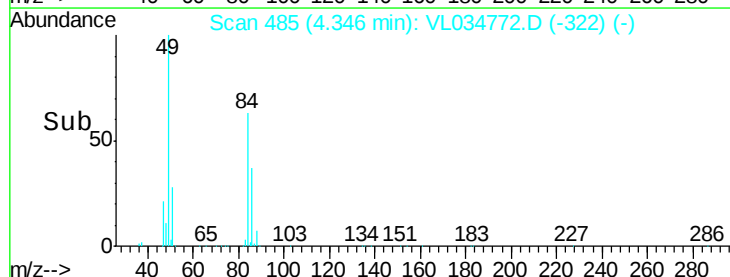
300000

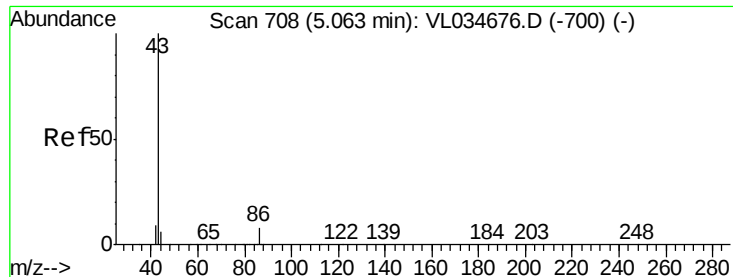
200000

100000

0

Time-->





#23

Vinyl Acetate

Concen: 0.933 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.02 min

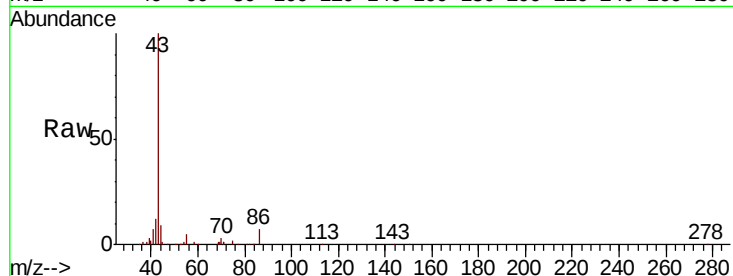
Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 158935

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	11.3	8.0	12.0
44	4.7	4.5	6.7

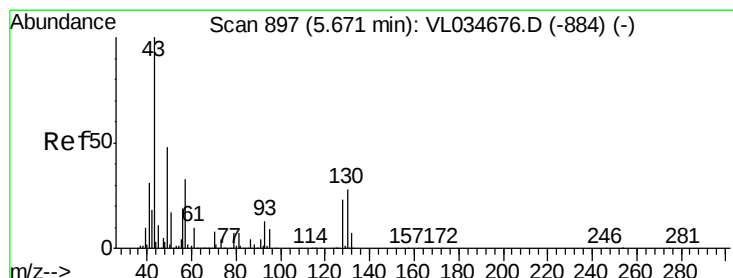
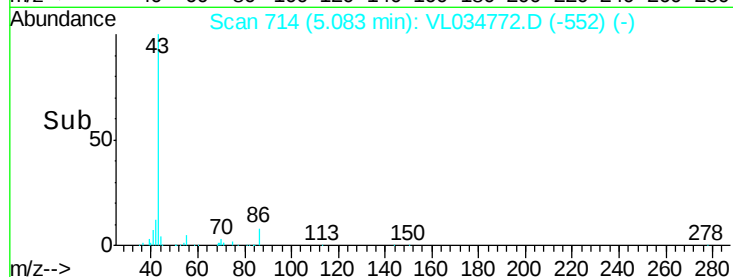


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 0.374 ppbv

RT: 5.70 min Scan# 906

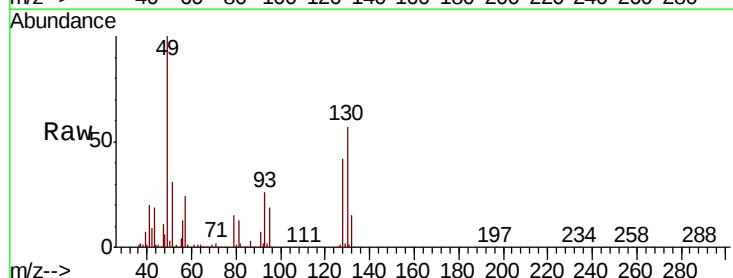
Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Tgt Ion: 43 Resp: 83028

Ion	Ratio	Lower	Upper
43	100		
45	5.3	8.2	12.4#
61	4.4	7.8	11.6#
70	4.8	6.1	9.1#

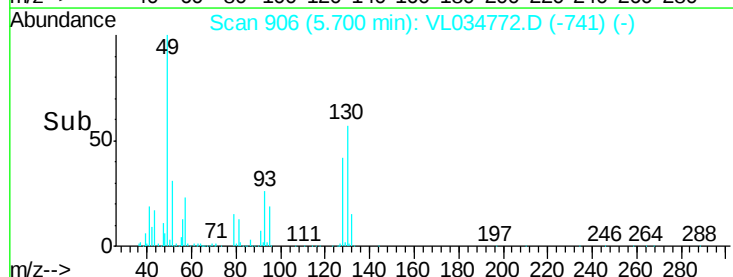


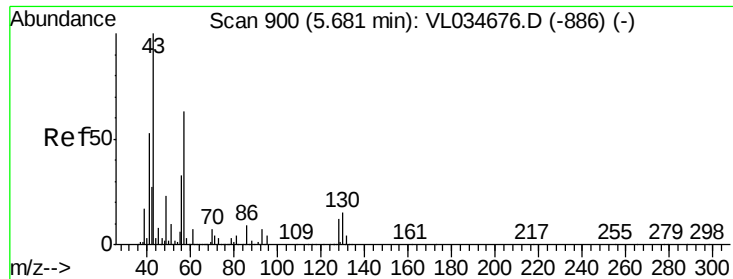
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

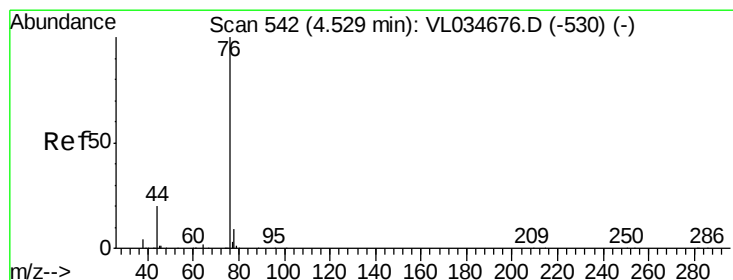
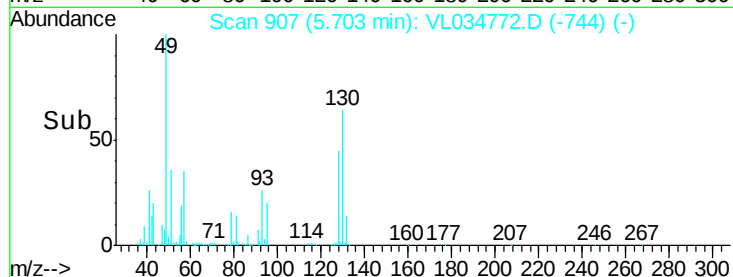
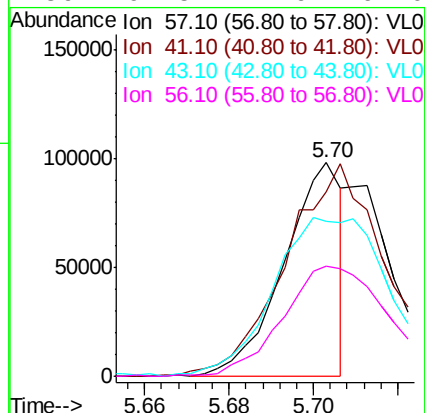
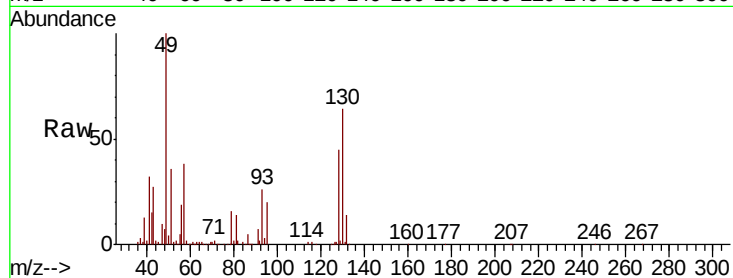




#26
Hexane
Concen: 0.913 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

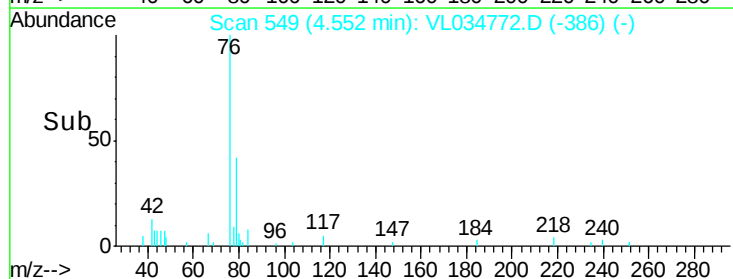
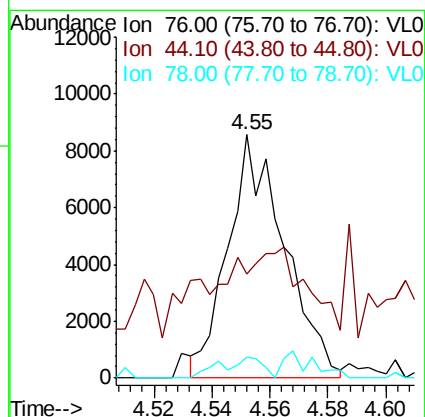
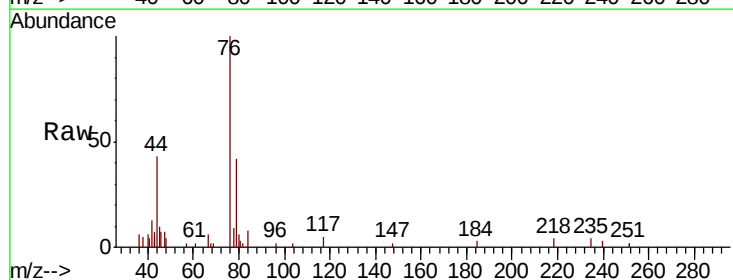
Instrument :
MSVOA_L
ClientSampled :

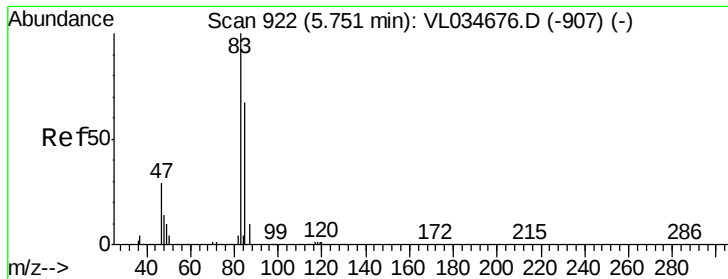
Tot Ion: 57 Resp: 93268
Ion Ratio Lower Upper
57 100
41 170.3 70.3 105.5#
43 153.6 177.0 265.4#
56 94.5 42.6 64.0#



#27
Carbon Disulfide
Concen: 0.100 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.02 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 76 Resp: 11573
Ion Ratio Lower Upper
76 100
44 60.7 15.3 22.9#
78 13.3 7.6 11.4#





#29

Chloroform

Concen: 0.162 ppbv

RT: 5.78 min Scan# 930

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

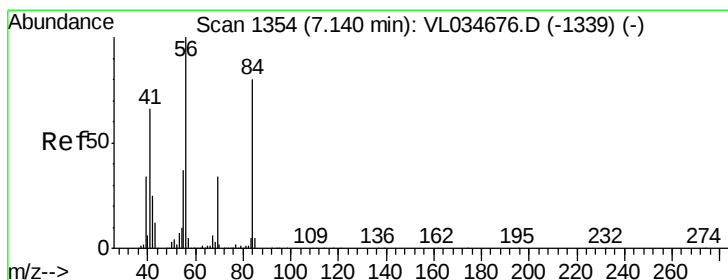
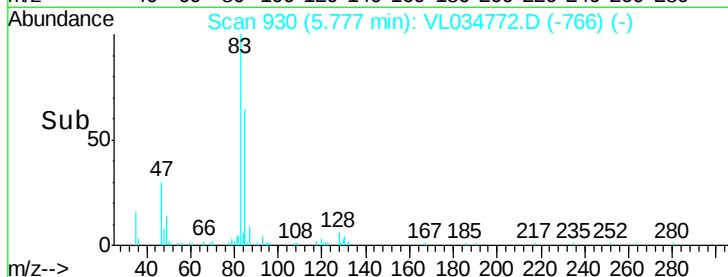
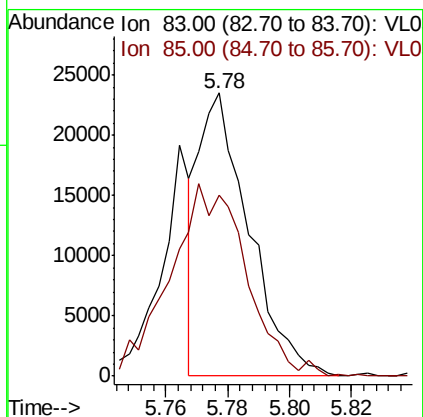
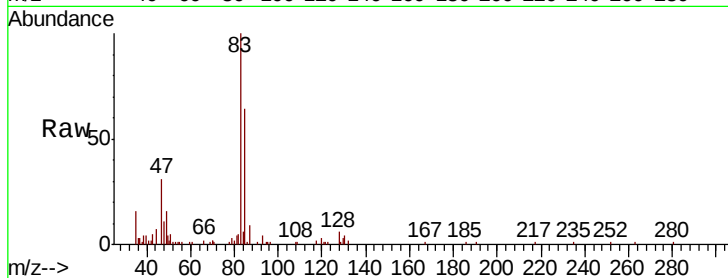
ClientSampleId :

Tot Ion: 83 Resp: 26453

Ion Ratio Lower Upper

83 100

85 64.2 53.9 80.9



#30

Cyclohexane

Concen: 0.087 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

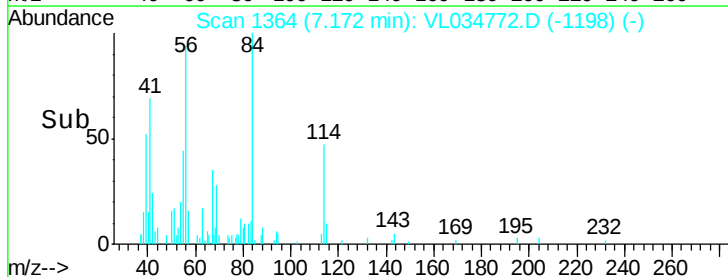
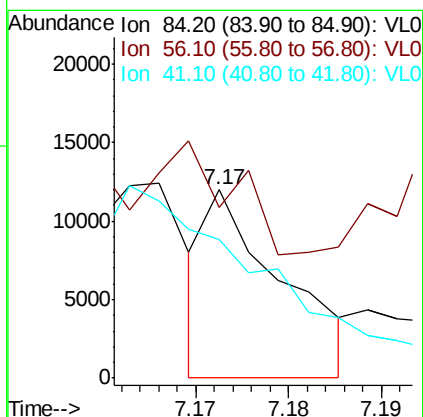
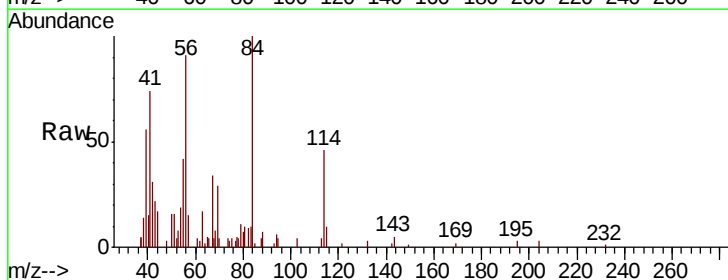
Tgt Ion: 84 Resp: 6858

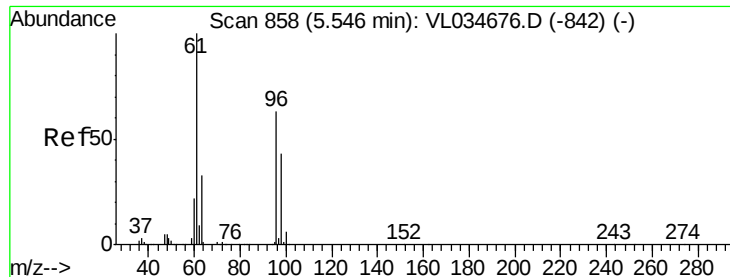
Ion Ratio Lower Upper

84 100

56 383.7 113.4 170.2#

41 0.0 68.2 102.4#



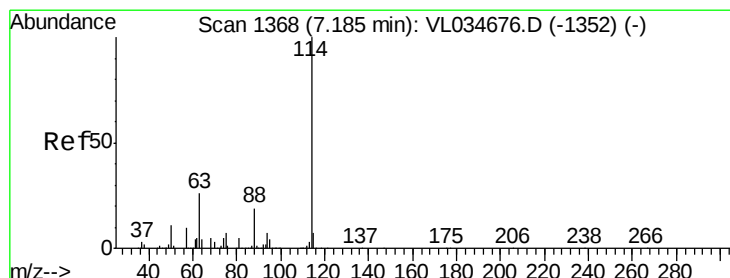
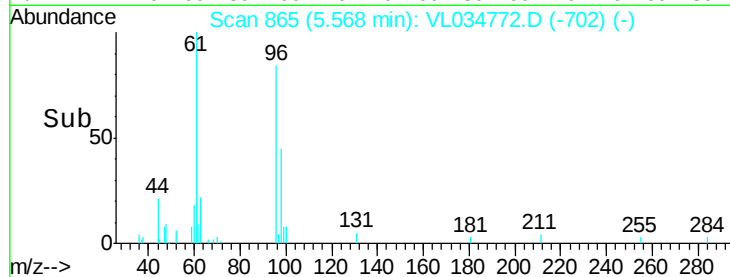
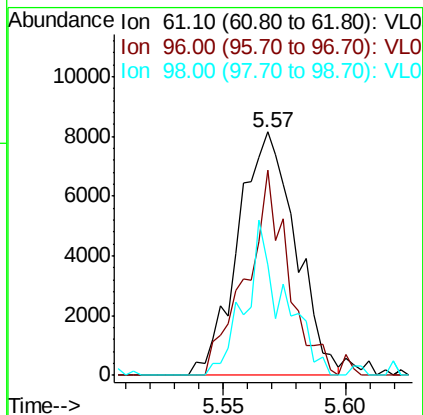
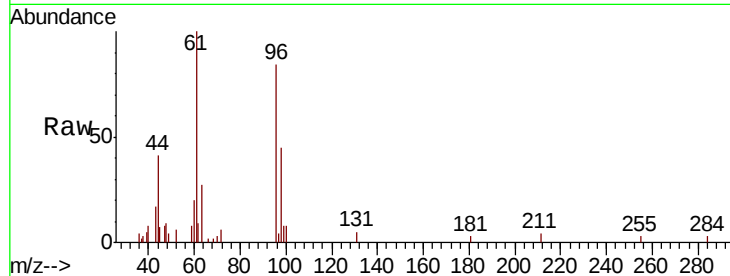


#31

cis-1,2-Dichloroethene
 Concen: 0.133 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Instrument :
 MSVOA_L
 ClientSampleId :

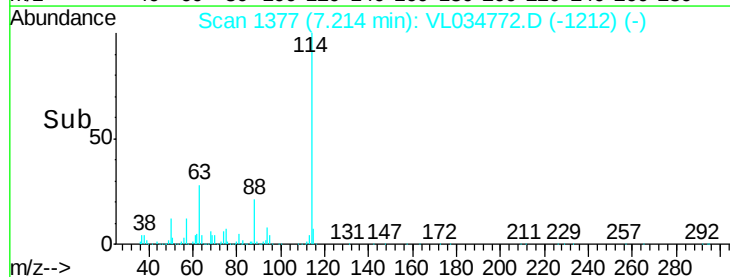
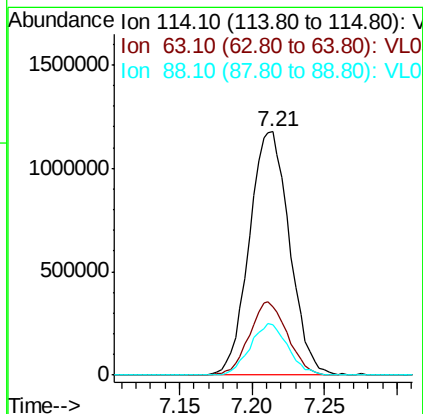
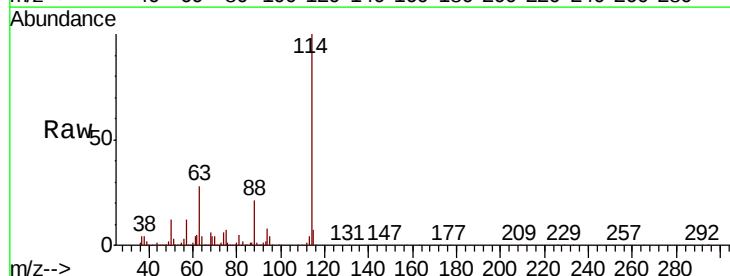
Tot Ion	Ratio	Lower	Upper
61	100		
96	77.4	50.2	75.2#
98	41.6	34.3	51.5

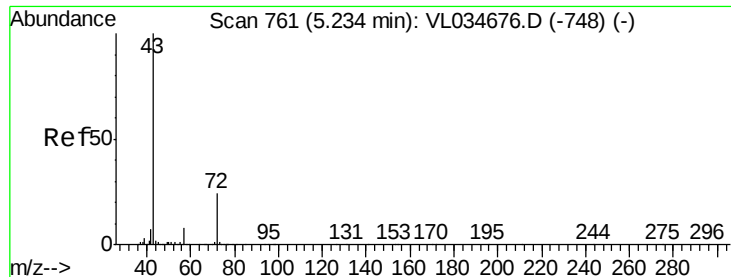


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.9	34.3
88	20.0	15.8	23.6

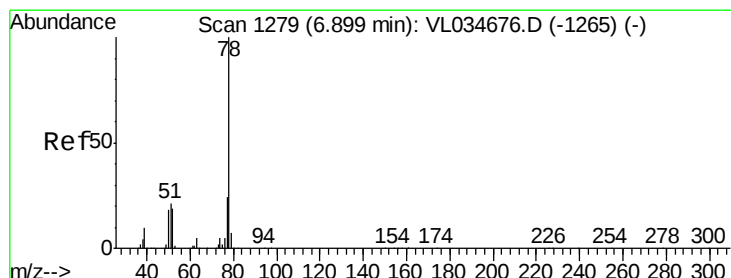
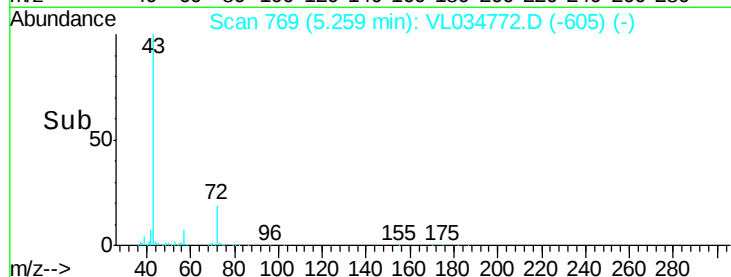
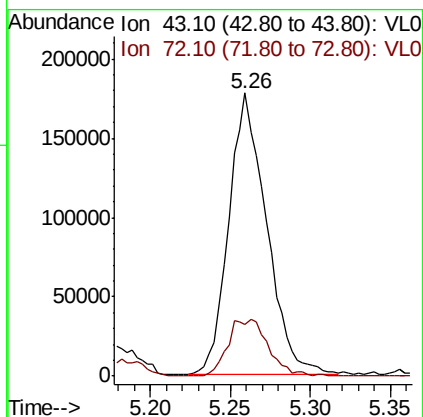
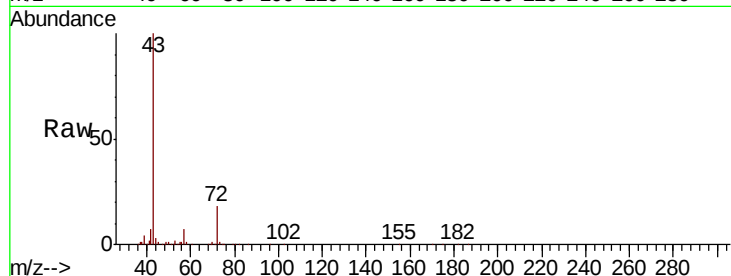




#34
2-Butanone
Concen: 1.995 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

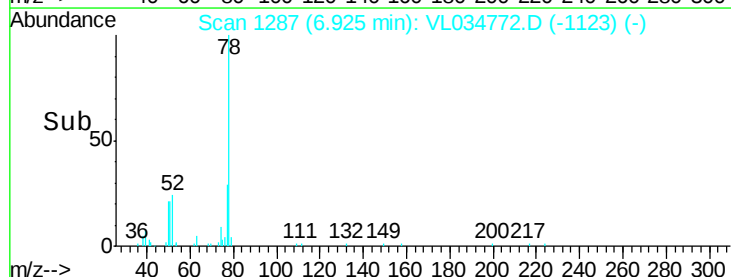
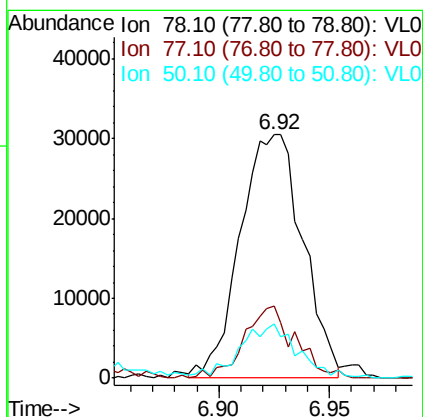
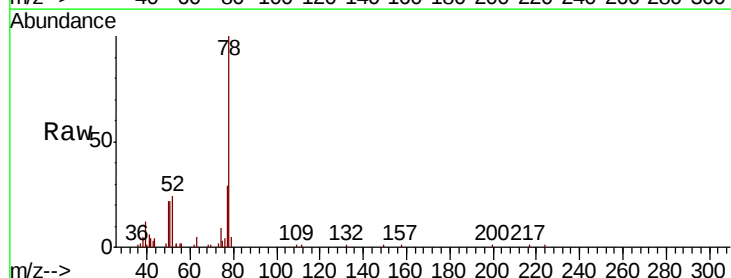
Instrument :
MSVOA_L
ClientSampleId :

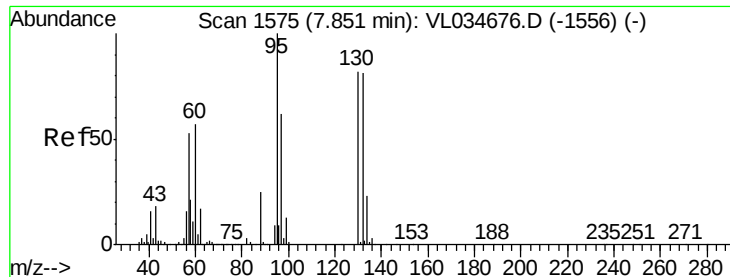
Tot Ion: 43 Resp: 284792
Ion Ratio Lower Upper
43 100
72 21.9 18.2 27.2



#36
Benzene
Concen: 0.307 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 78 Resp: 60185
Ion Ratio Lower Upper
78 100
77 29.9 19.5 29.3#
50 21.0 14.6 21.8

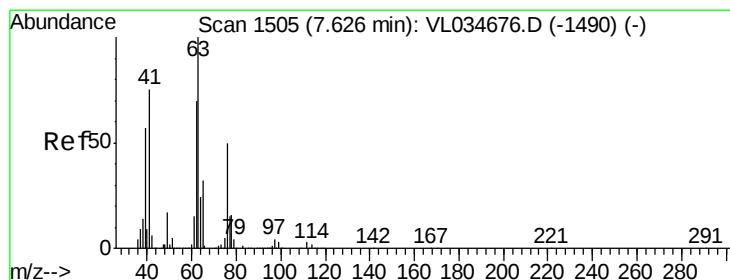
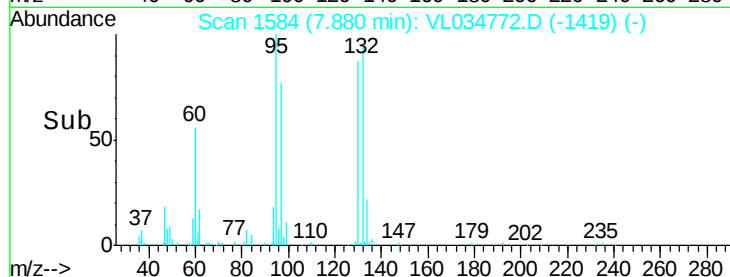
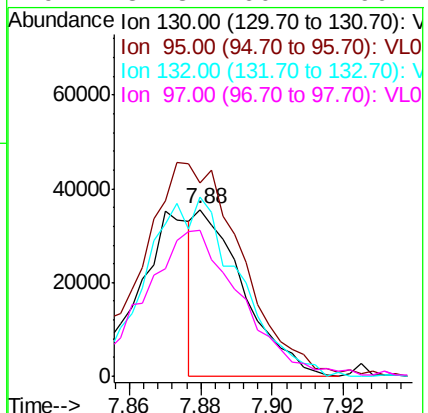
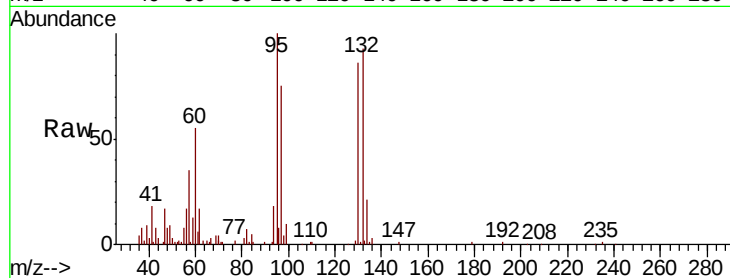




#38
 Trichloroethene
 Concen: 0.443 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

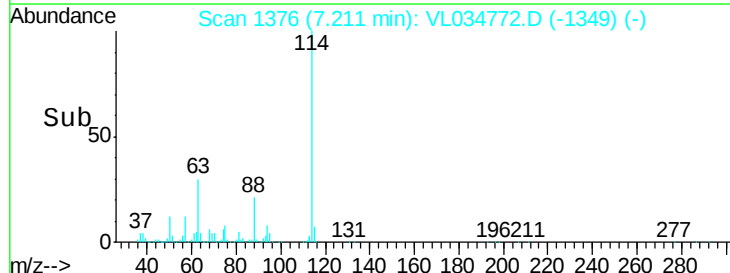
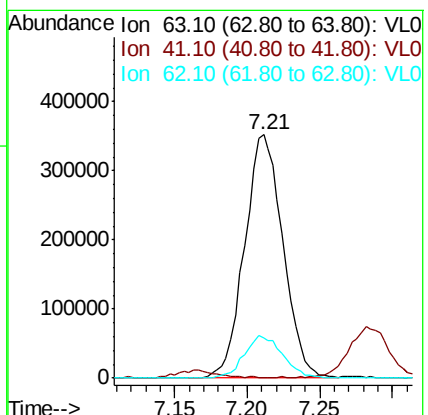
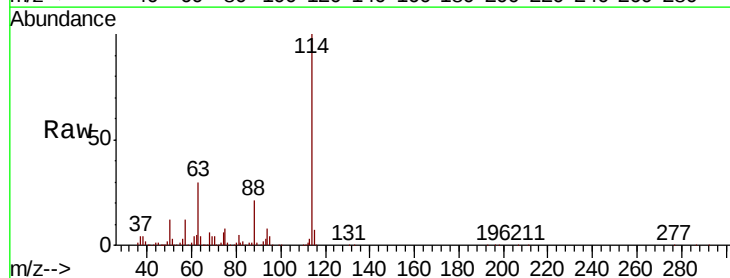
Instrument :
 MSVOA_L
 ClientSampleId :

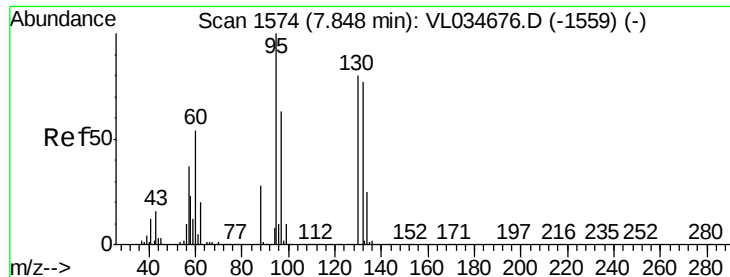
Tot Ion:130 Resp: 33458
 Ion Ratio Lower Upper
 130 100
 95 113.5 97.1 145.7
 132 105.3 78.3 117.5
 97 84.3 60.1 90.1



#39
 1,2-Dichloropropane
 Concen: 8.321 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.41 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Tgt Ion: 63 Resp: 648430
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.2 90.4#
 62 16.6 56.3 84.5#

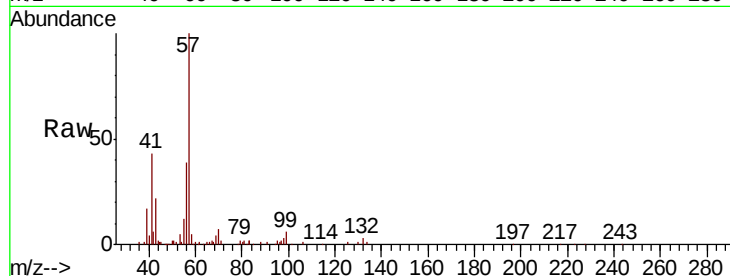




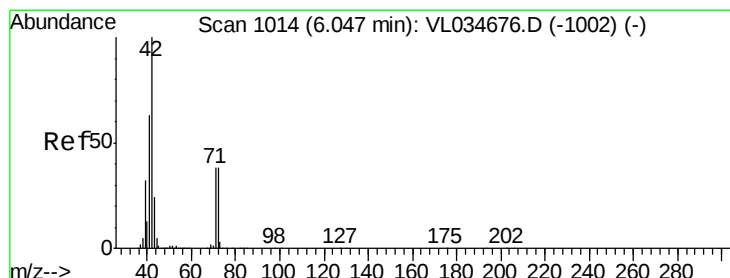
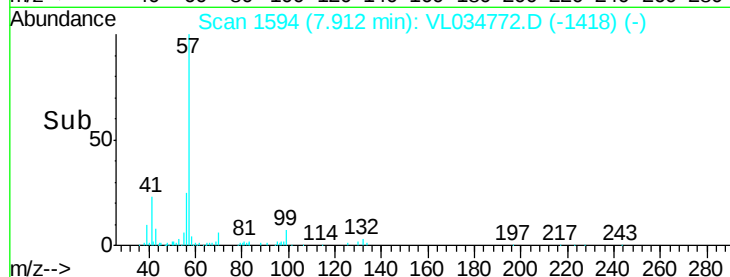
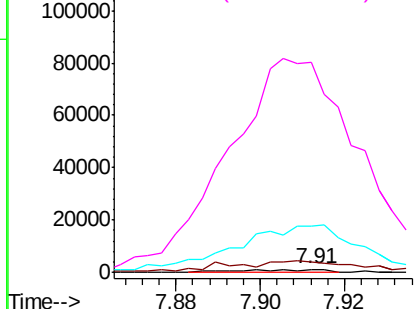
#40
1,4-Dioxane
Concen: 0.051 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. 0.06 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 88 Resp: 1357
Ion Ratio Lower Upper
88 100
58 806.2 104.6 156.8#
43 2815.7 212.9 319.3#
57 13094.5 935.2 1402.8#

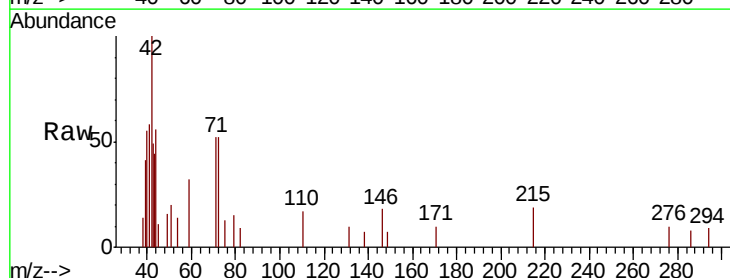


Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

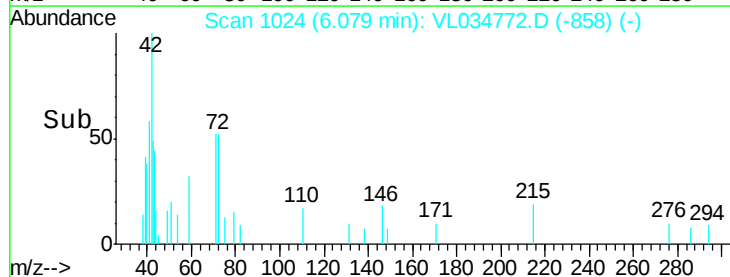
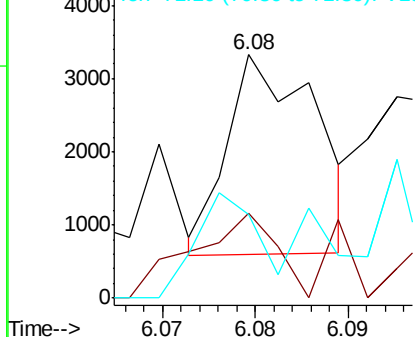


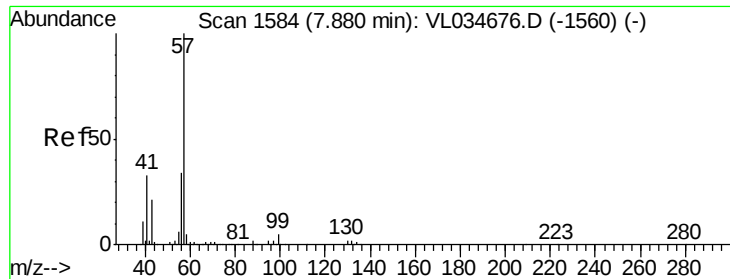
#41
Tetrahydrofuran
Concen: 0.024 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 42 Resp: 1822
Ion Ratio Lower Upper
42 100
72 110.7 31.7 47.5#
71 0.0 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

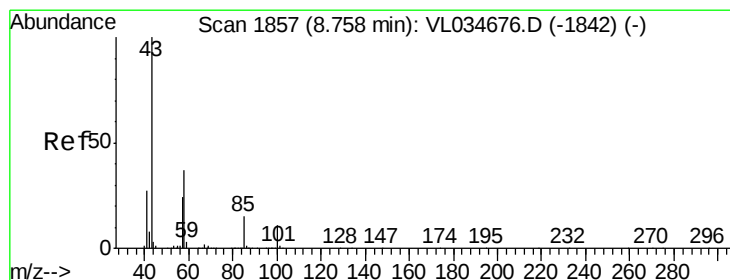
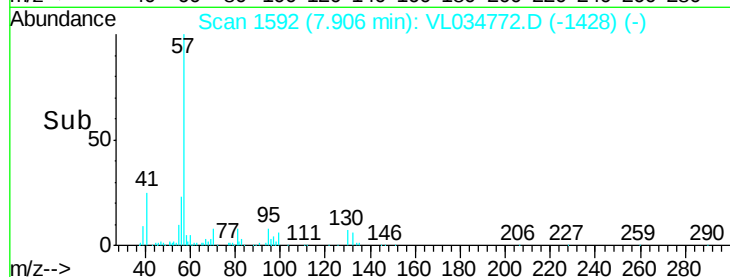
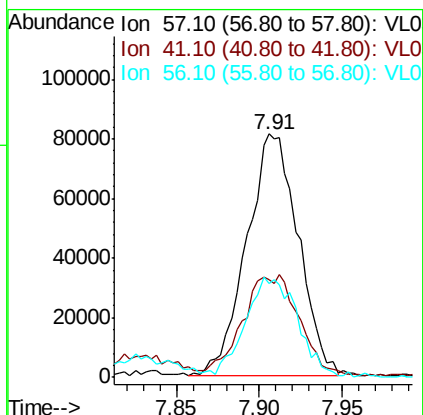
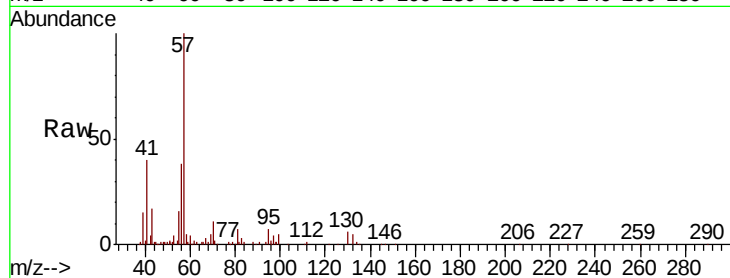




#44
 2,2,4-Trimethylpentane
 Concen: 0.516 ppbv
 RT: 7.91 min Scan# 1592
 Delta R.T. 0.03 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

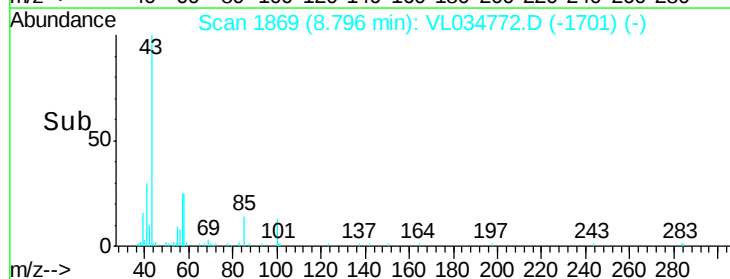
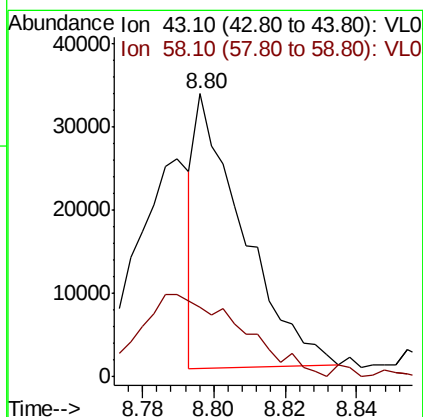
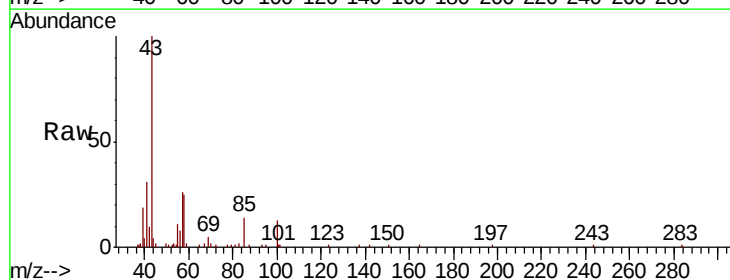
Instrument :
 MSVOA_L
 ClientSampleId :

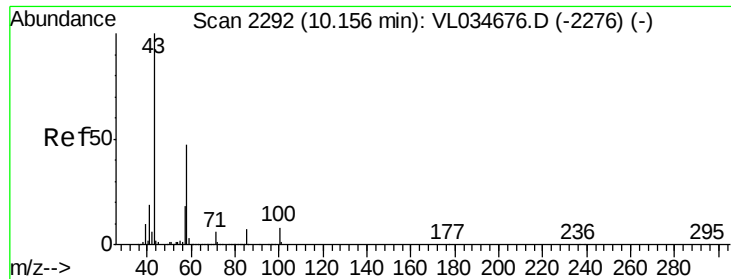
Tot Ion: 57 Resp: 176767
 Ion Ratio Lower Upper
 57 100
 41 46.1 26.0 39.0#
 56 41.4 25.6 38.4#



#50
 4-Methyl-2-Pentanone
 Concen: 0.150 ppbv
 RT: 8.80 min Scan# 1869
 Delta R.T. 0.04 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Tgt Ion: 43 Resp: 30361
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 43.6#

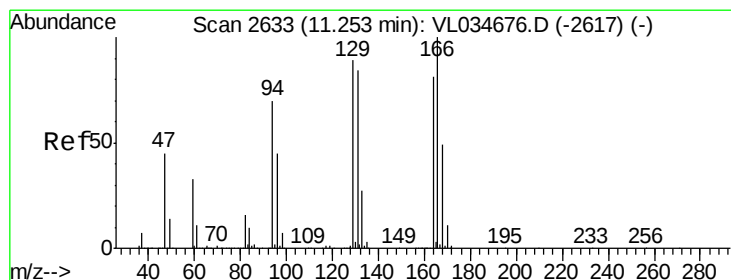
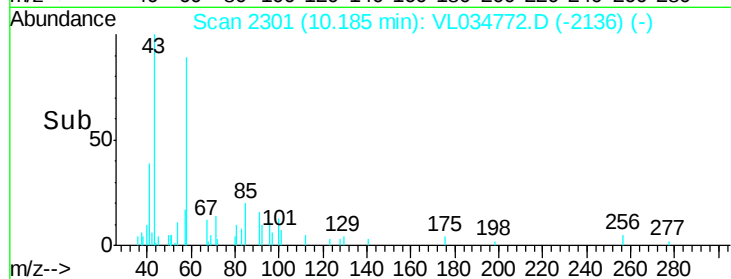
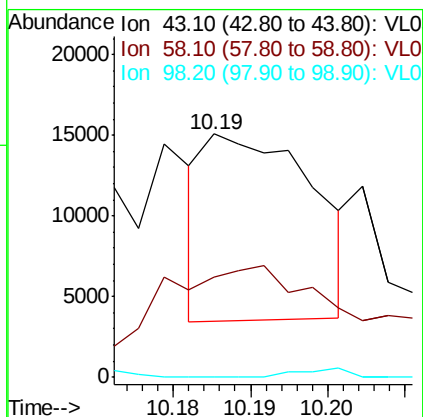
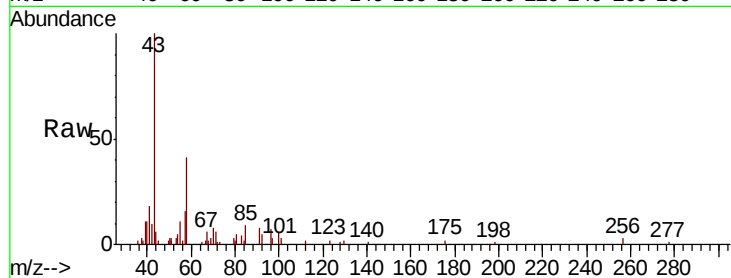




#51
2-Hexanone
Concen: 0.071 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

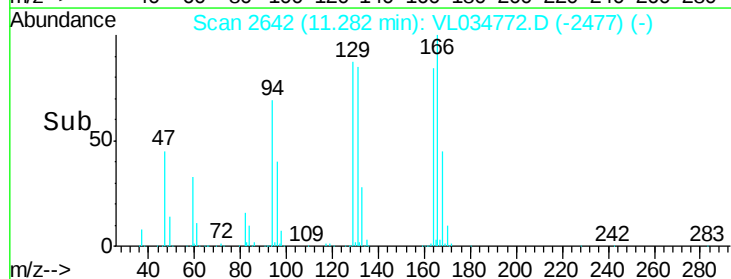
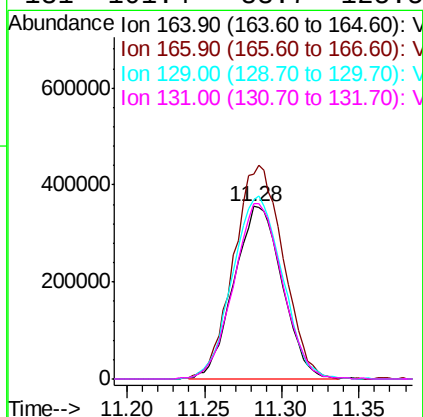
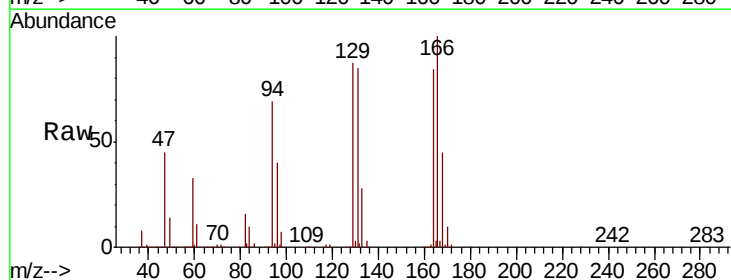
Instrument :
MSVOA_L
ClientSampleId :

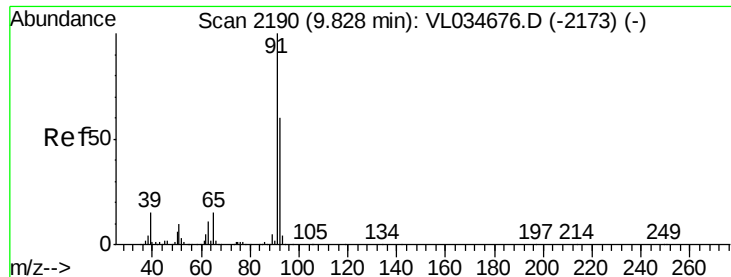
Tot Ion: 43 Resp: 11249
Ion Ratio Lower Upper
43 100
58 145.8 39.4 59.0#
98 3.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.638 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 164 Resp: 763812
Ion Ratio Lower Upper
164 100
166 118.7 99.2 148.8
129 103.6 88.0 132.0
131 101.4 83.7 125.5





#53

Toluene

Concen: 7.708 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

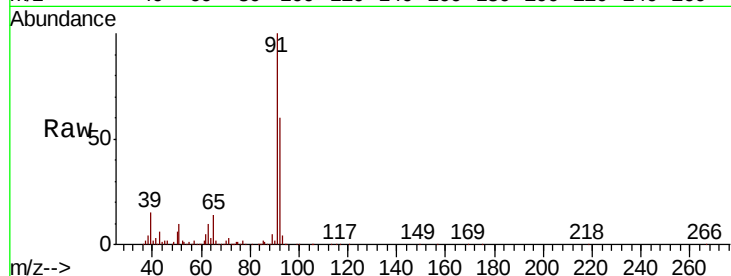
ClientSampleId :

Tot Ion: 91 Resp: 1605838

Ion Ratio Lower Upper

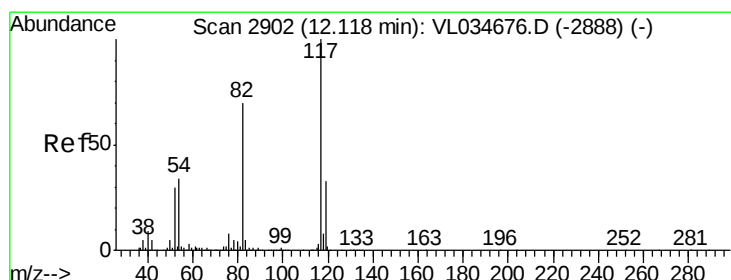
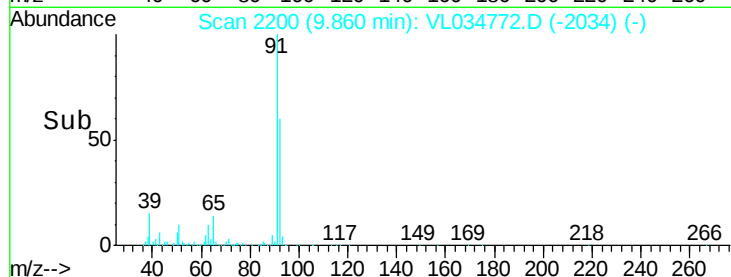
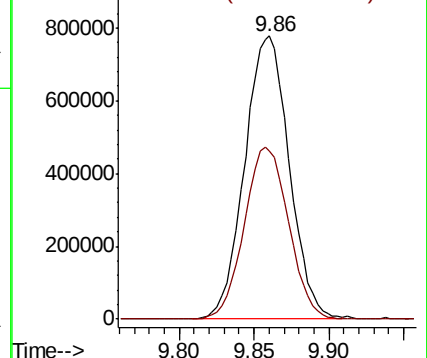
91 100

92 60.9 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

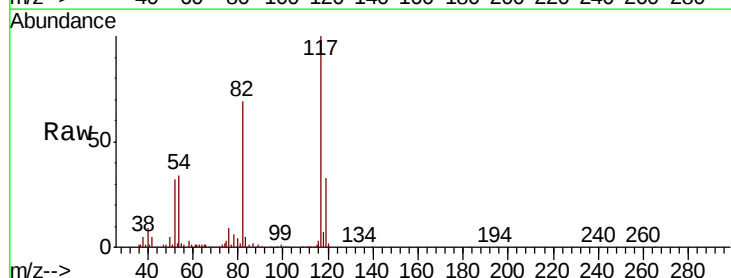
Tgt Ion: 117 Resp: 2224368

Ion Ratio Lower Upper

117 100

82 70.8 54.1 81.1

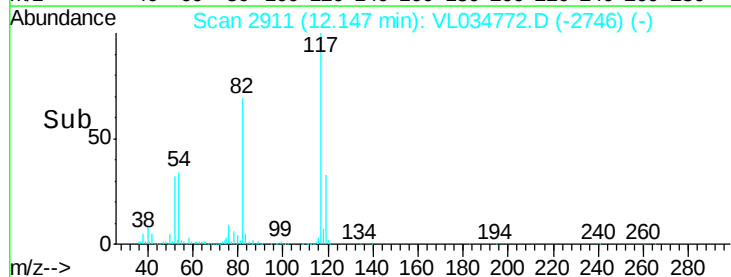
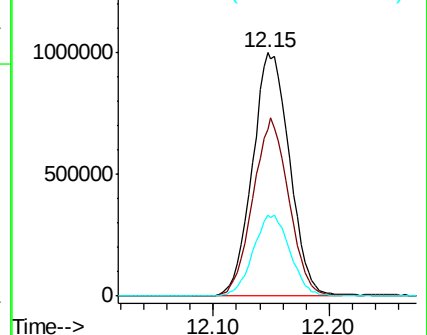
119 33.5 27.6 41.4

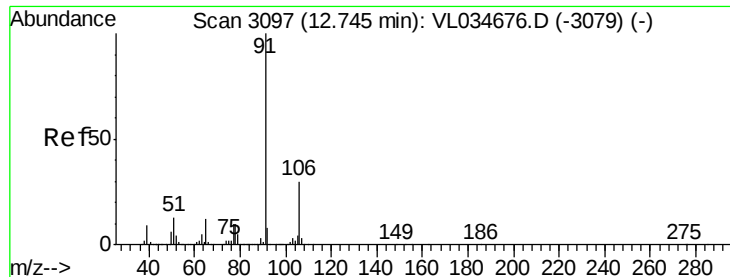


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.430 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

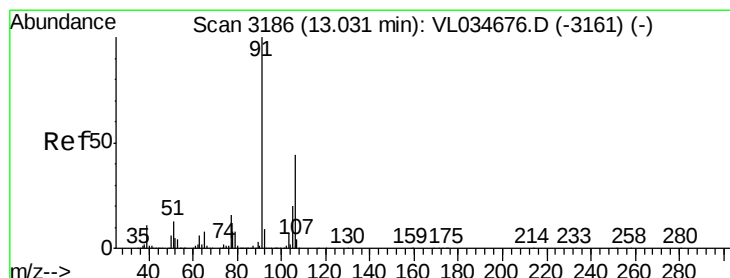
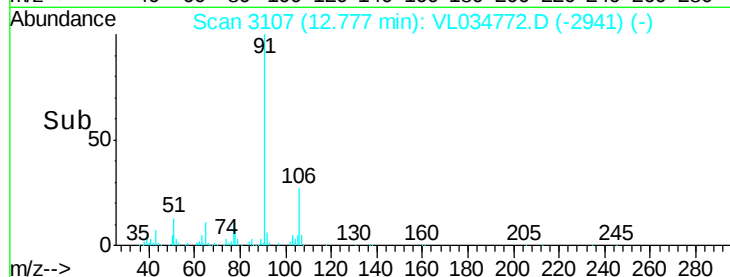
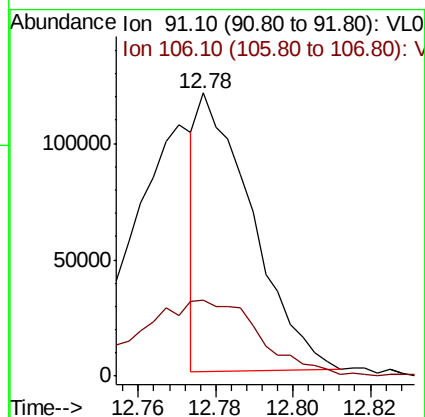
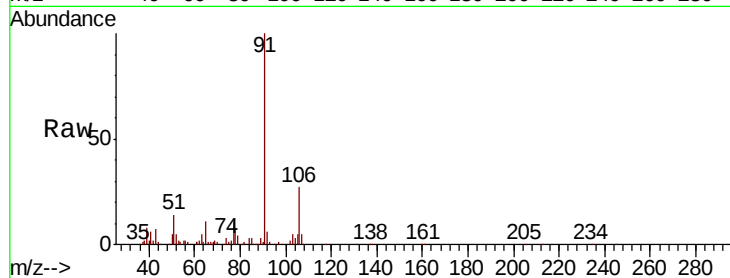
ClientSampleId :

Tot Ion: 91 Resp: 115706

Ion Ratio Lower Upper

91 100

106 26.3 24.0 36.0



#59

m/p-Xylene

Concen: 0.532 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.04 min

Lab File: VL034772.D

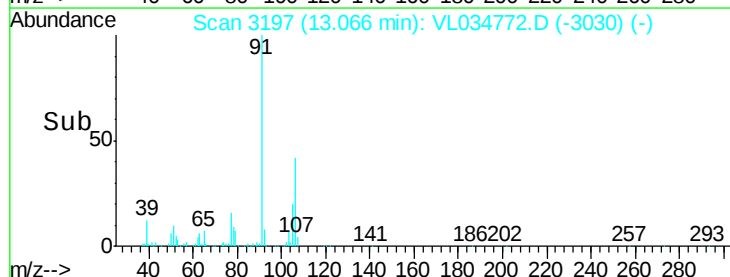
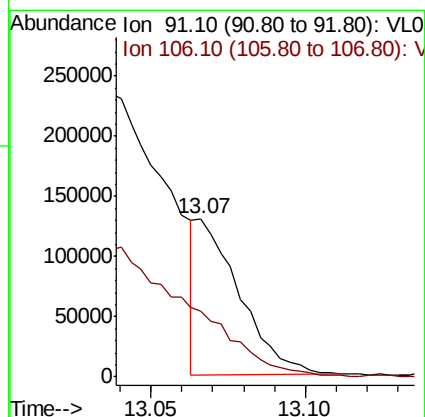
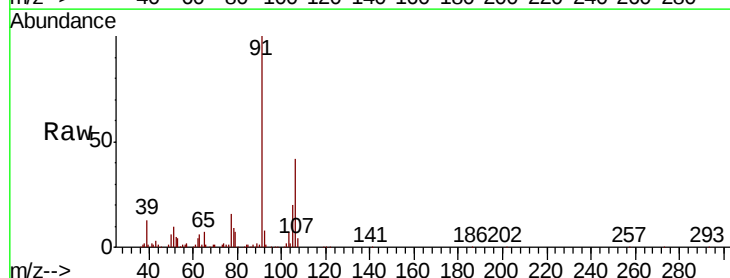
Acq: 3 Mar 2020 20:29

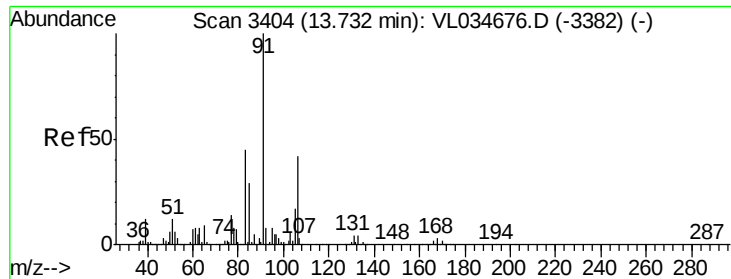
Tgt Ion: 91 Resp: 124853

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#

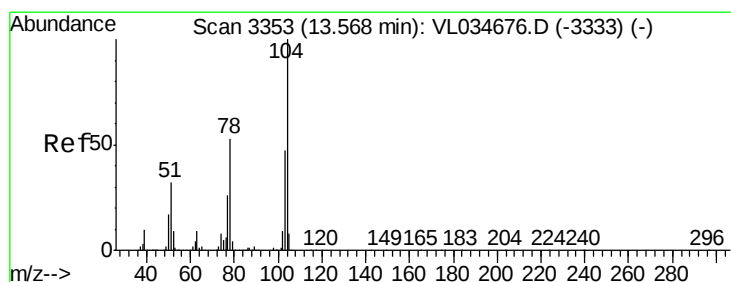
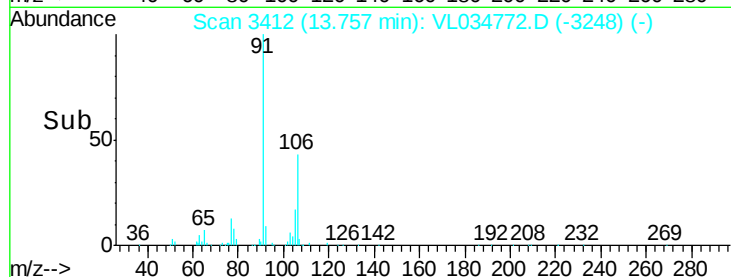
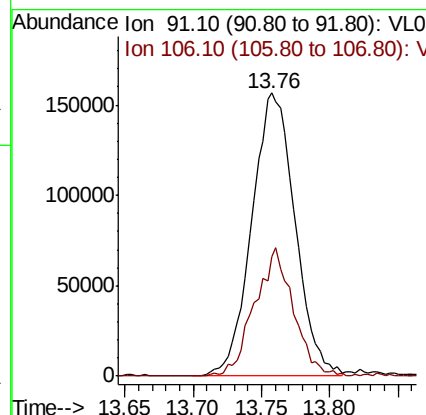
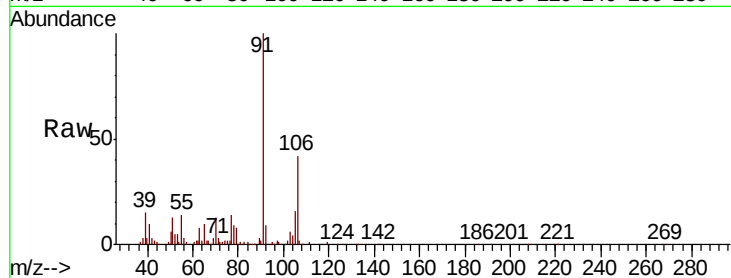




#60
o-Xylene
Concen: 1.483 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

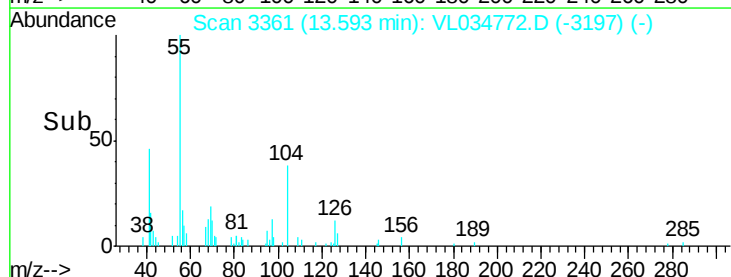
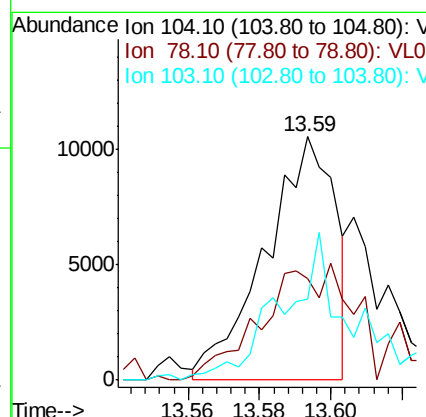
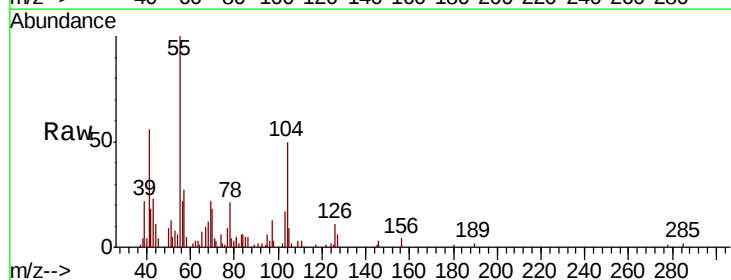
Instrument :
MSVOA_L
ClientSampled :

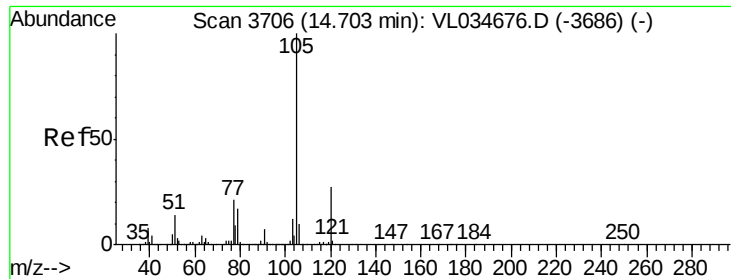
Tot Ion: 91 Resp: 345439
Ion Ratio Lower Upper
91 100
106 40.7 21.9 65.5



#61
Styrene
Concen: 0.096 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.03 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 104 Resp: 14325
Ion Ratio Lower Upper
104 100
78 77.5 44.2 66.4#
103 60.9 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.052 ppbv

RT: 14.73 min Scan# 3716

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

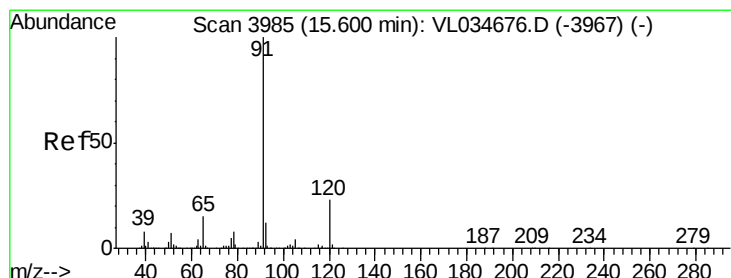
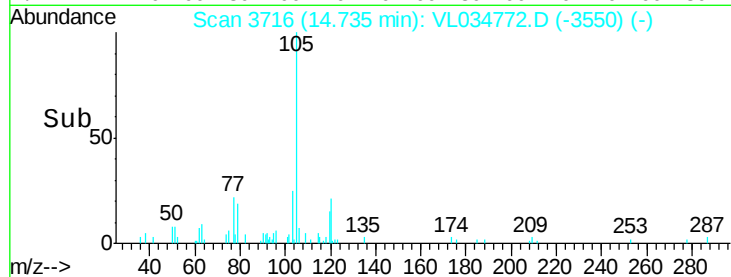
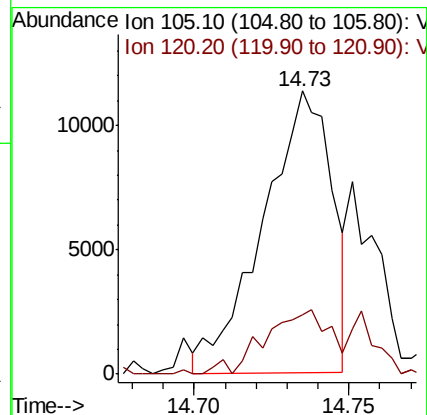
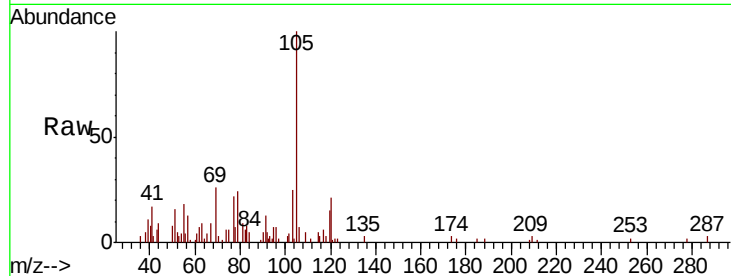
ClientSampleId :

Tot Ion:105 Resp: 17580

Ion Ratio Lower Upper

105 100

120 29.7 20.2 30.4



#64

n-propylbenzene

Concen: 0.201 ppbv

RT: 15.63 min Scan# 3994

Delta R.T. 0.03 min

Lab File: VL034772.D

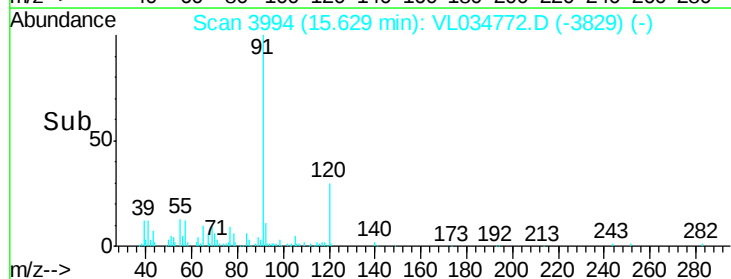
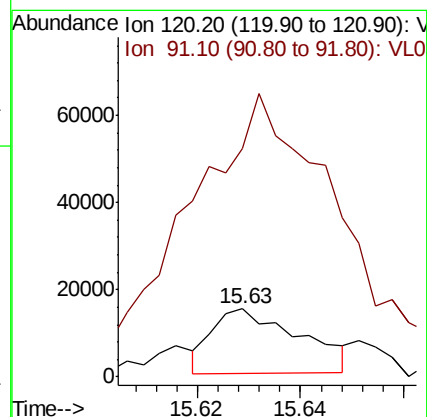
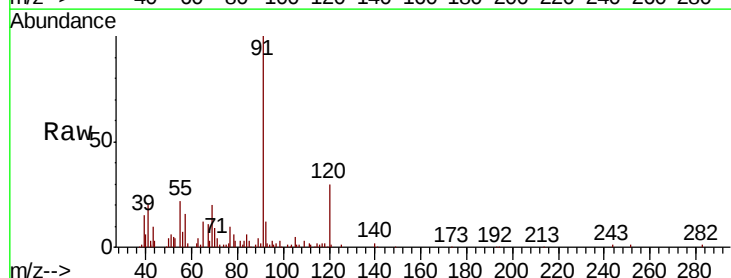
Acq: 3 Mar 2020 20:29

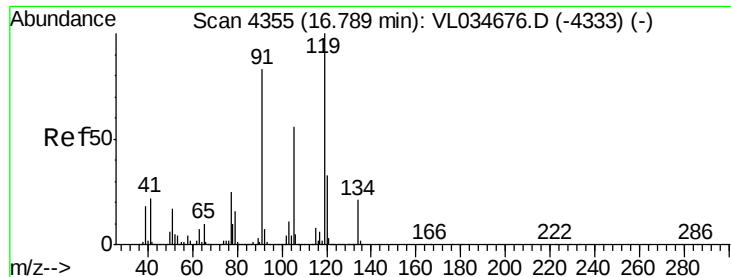
Tgt Ion:120 Resp: 17588

Ion Ratio Lower Upper

120 100

91 829.8 369.8 554.8#





#65

tert-Butylbenzene

Concen: 0.137 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. 0.05 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

ClientSampleId :

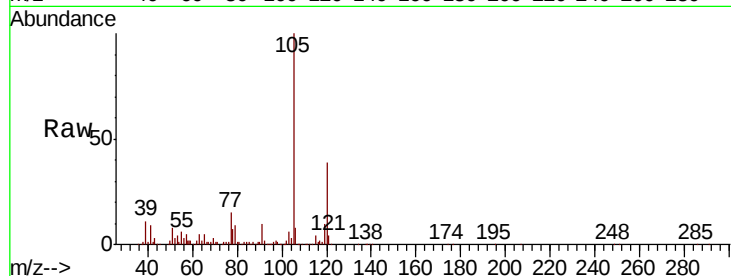
Tot Ion:119 Resp: 40071

Ion Ratio Lower Upper

119 100

91 201.5 69.1 103.7#

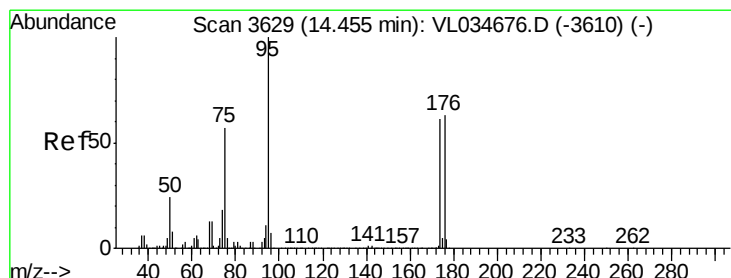
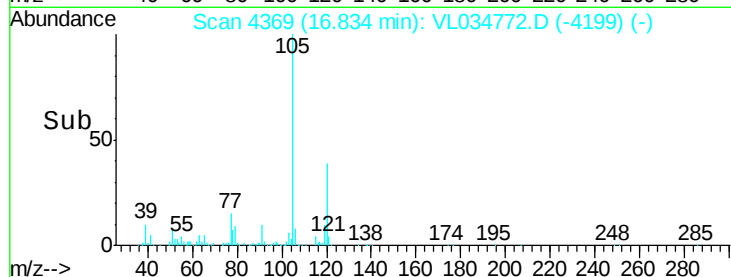
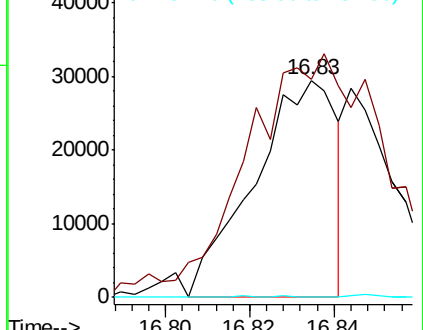
134 0.0 15.8 23.8#



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



#68

1-Bromo-4-Fluorobenzene

Concen: 10.245 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

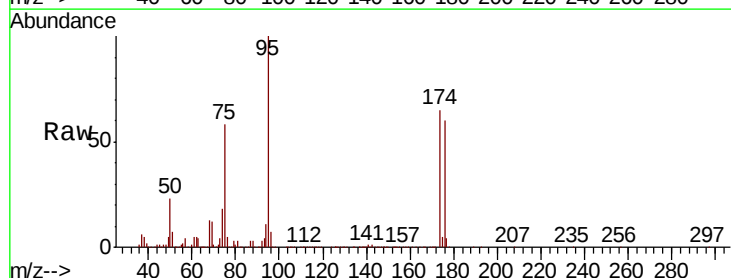
Tgt Ion: 95 Resp: 1868539

Ion Ratio Lower Upper

95 100

174 64.4 50.7 76.1

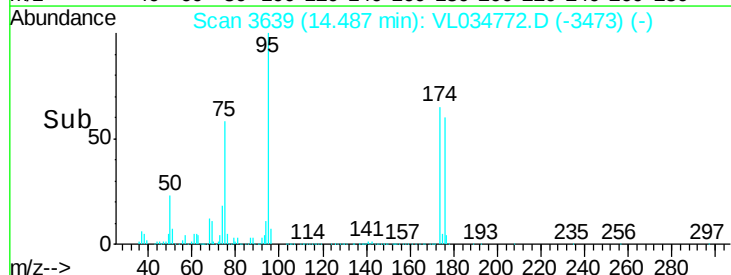
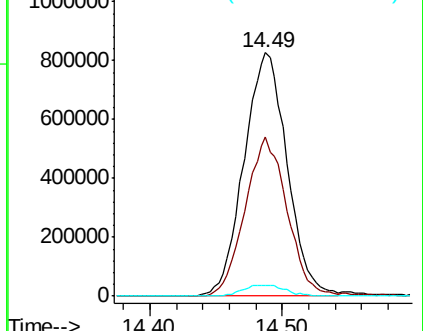
175 4.7 3.9 5.9

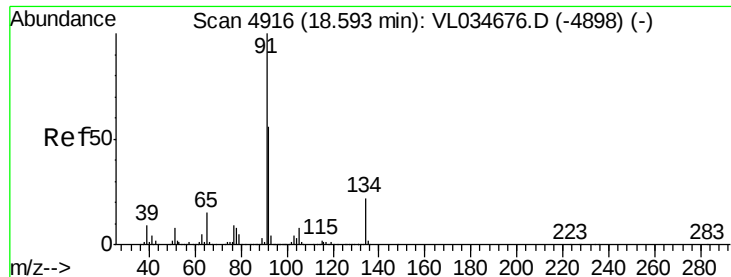


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

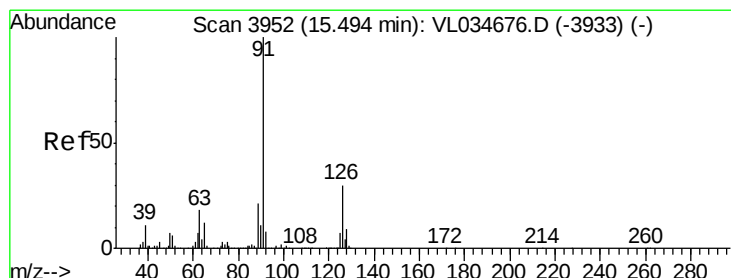
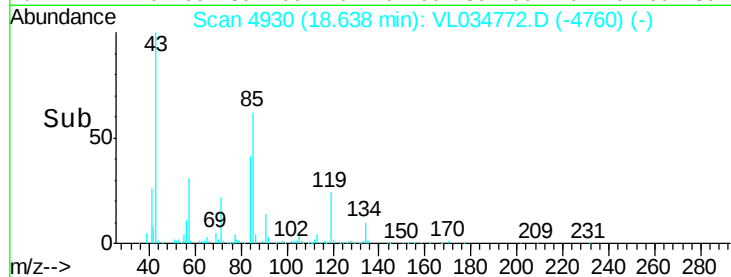
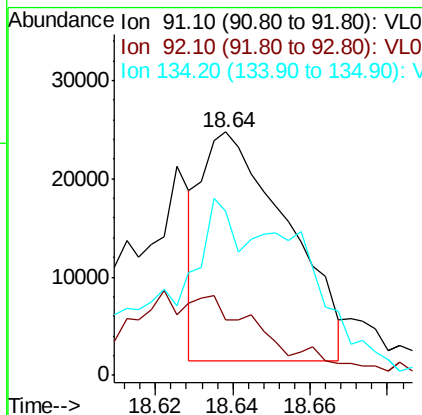
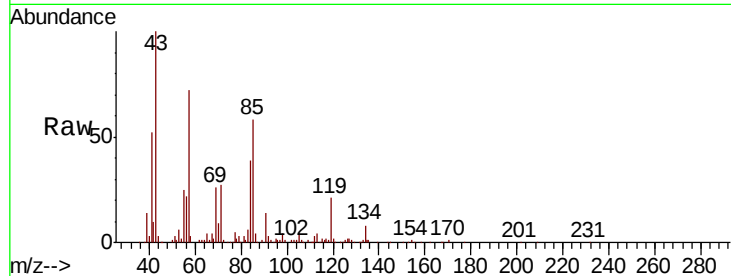




#70
n-Butylbenzene
Concen: 0.095 ppbv
RT: 18.64 min Scan# 4930
Delta R.T. 0.05 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

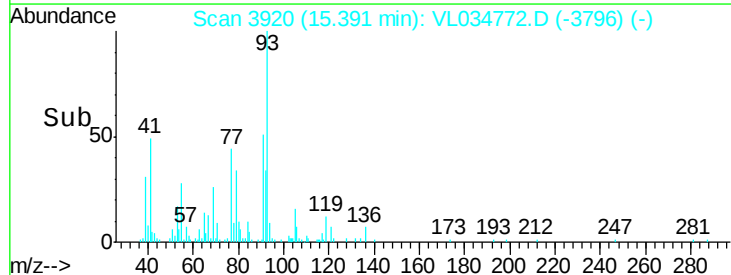
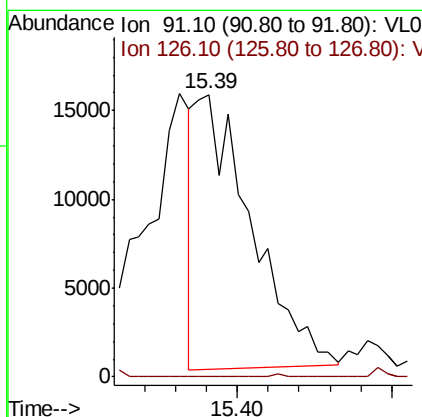
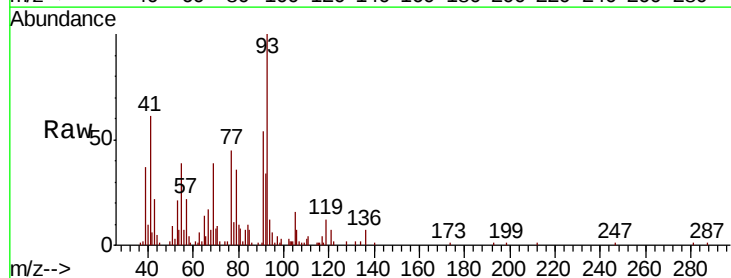
Instrument :
MSVOA_L
ClientSampled :

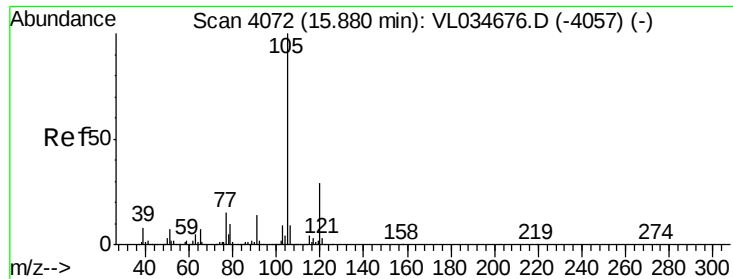
Tot Ion: 91 Resp: 35984
Ion Ratio Lower Upper
91 100
92 0.0 43.8 65.6#
134 150.1 17.6 26.4#



#71
2-Chlorotoluene
Concen: 0.073 ppbv
RT: 15.39 min Scan# 3920
Delta R.T. -0.10 min
Lab File: VL034772.D
Acq: 3 Mar 2020 20:29

Tgt Ion: 91 Resp: 19246
Ion Ratio Lower Upper
91 100
126 3.5 11.8 47.2#





#72

4-Ethyltoluene

Concen: 0.649 ppbv

RT: 15.91 min Scan# 4082

Delta R.T. 0.03 min

Lab File: VL034772.D

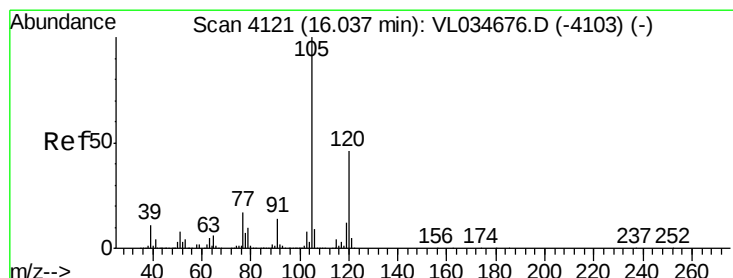
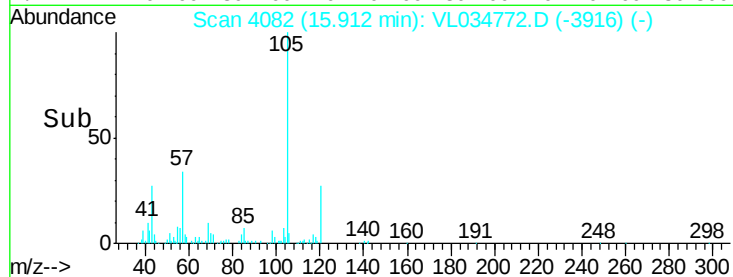
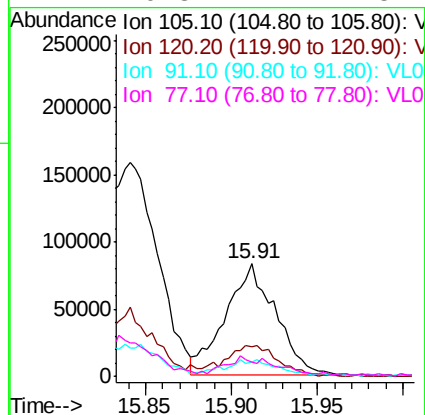
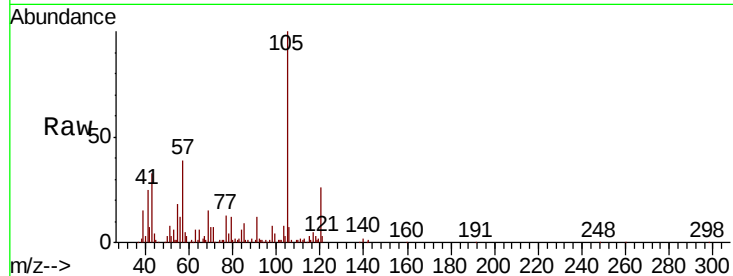
Acq: 3 Mar 2020 20:29

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	168274
Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.7	35.5
91	15.4	10.9	16.3
77	19.3	12.2	18.2



#73

1,3,5-Trimethylbenzene

Concen: 0.691 ppbv

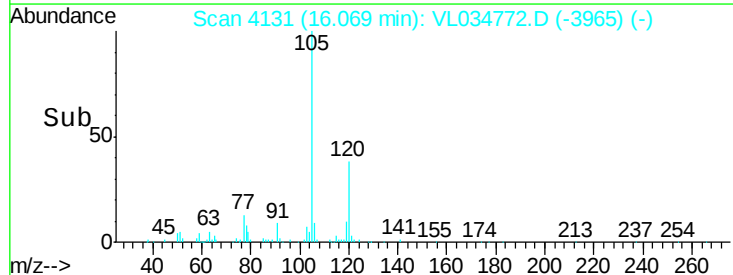
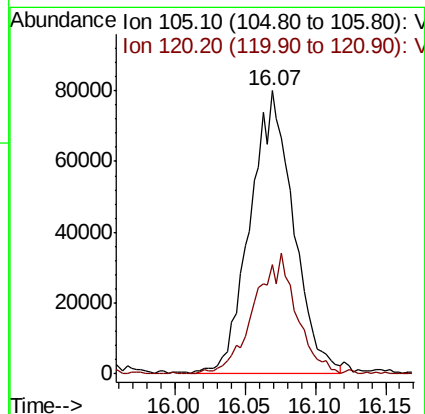
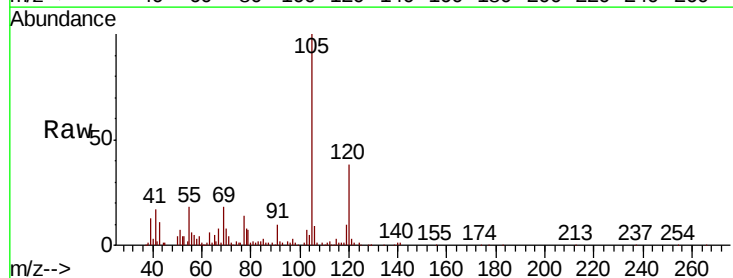
RT: 16.07 min Scan# 4131

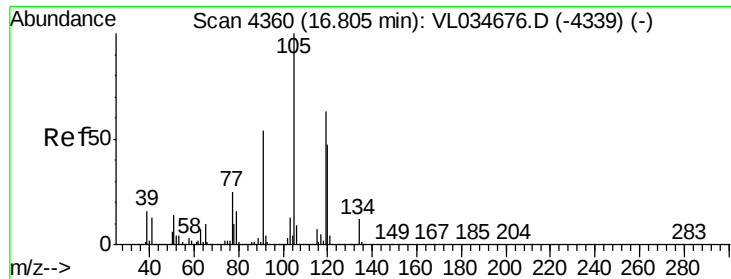
Delta R.T. 0.03 min

Lab File: VL034772.D

Acq: 3 Mar 2020 20:29

Tgt Ion:	105	Resp:	172249
Ion	Ratio	Lower	Upper
105	100		
120	41.4	37.1	55.7

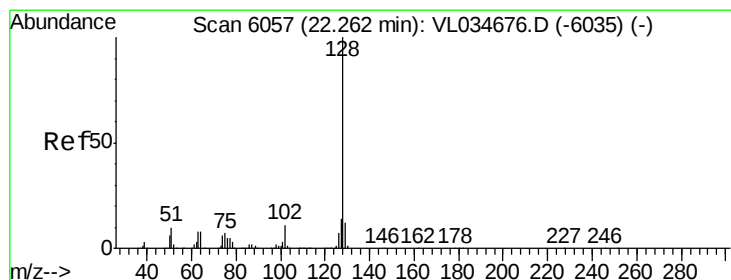
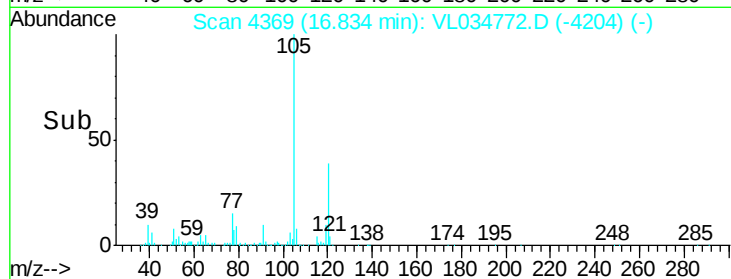
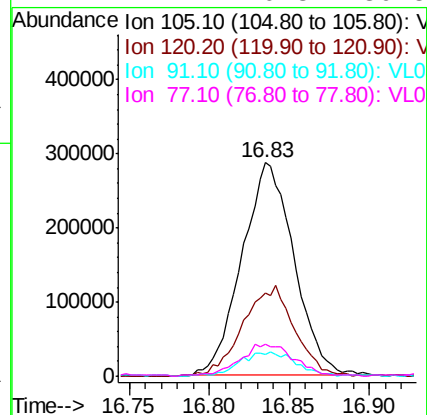
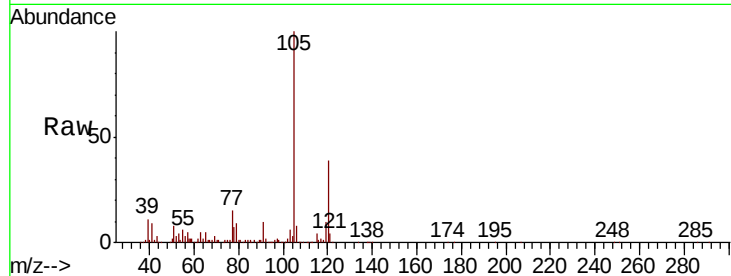




#74
 1,2,4-Trimethylbenzene
 Concen: 2.312 ppbv
 RT: 16.83 min Scan# 4369
 Delta R.T. 0.03 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

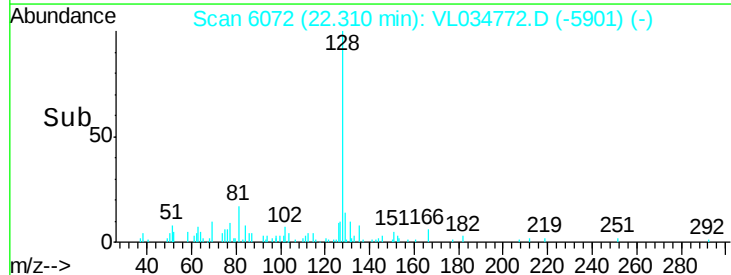
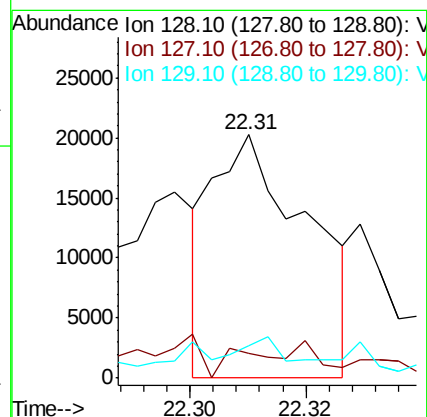
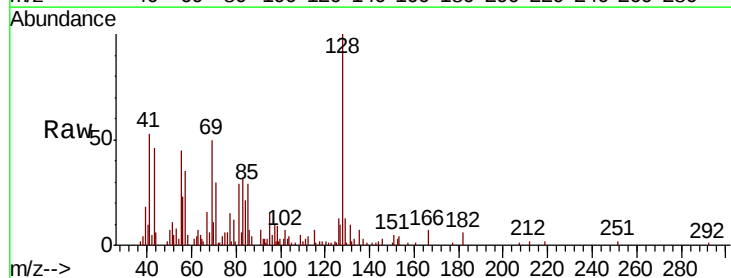
Instrument :
 MSVOA_L
 ClientSampleId :

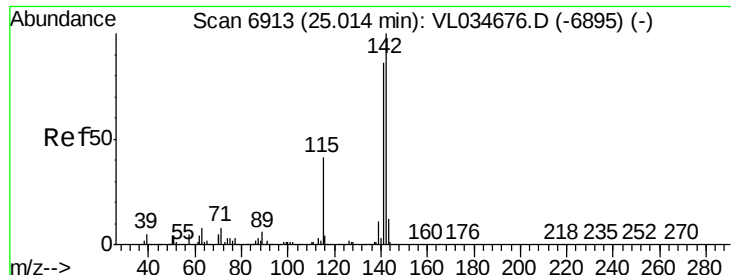
Tot Ion:105	Resp:	636646
Ion Ratio	Lower	Upper
105	100	
120	38.4	37.9 56.9
91	9.7	43.9 65.9#
77	14.1	20.3 30.5#



#79
 Naphthalene
 Concen: 0.096 ppbv
 RT: 22.31 min Scan# 6072
 Delta R.T. 0.05 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Tgt Ion:128	Resp:	23180
Ion Ratio	Lower	Upper
128	100	
127	9.5	11.0 16.6#
129	12.1	9.4 14.2

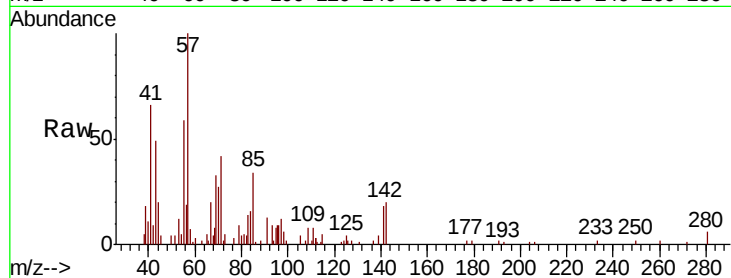




#80
 Naphthalene, 2-methyl-
 Concen: 0.066 ppbv
 RT: 25.36 min Scan# 7021
 Delta R.T. 0.35 min
 Lab File: VL034772.D
 Acq: 3 Mar 2020 20:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.1	66.5	99.7
115	36.6	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

