

Data File : VU036684.D
Acq On : 06 Feb 2020 13:49
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV106

Quant Time: Feb 07 04:54:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 04:51:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	254161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	243837	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	109068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78961	46.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.16%
7) Chloroethane-d5	1.93	69	75797	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.59	63	150476	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.04%
21) 2-Butanone-d5	4.68	46	163822	113.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.28%
24) Chloroform-d	5.11	84	161328	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.18%
26) 1,2-Dichloroethane-d4	5.74	65	110708	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
32) Benzene-d6	5.77	84	322982	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
36) 1,2-Dichloropropane-d6	6.73	67	109032	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.46%
41) Toluene-d8	7.93	98	295623	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%
43) trans-1,3-Dichloropropene-	8.21	79	54672	53.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.30%
47) 2-Hexanone-d5	8.67	63	131655	108.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.40%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	165586	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
66) 1,2-Dichlorobenzene-d4	12.21	152	101761	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	79408	45.220	ug/L 100
3) Chloromethane	1.54	50	105061	50.488	ug/L 100
5) Vinyl chloride	1.62	62	105060	46.889	ug/L 99
6) Bromomethane	1.87	94	71765	51.082	ug/L 98
8) Chloroethane	1.95	64	68880	48.437	ug/L 99
9) Trichlorofluoromethane	2.16	101	122122	45.867	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	72650	45.556	ug/L 98
12) 1,1-Dichloroethene	2.61	96	74141	47.755	ug/L 98
13) Acetone	2.66	43	151361	98.530	ug/L 100
14) Carbon disulfide	2.82	76	223824	48.242	ug/L 99
15) Methyl Acetate	2.99	43	121885	54.882	ug/L 100
16) Methylene chloride	3.08	84	99254	51.796	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	82724	50.078	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	310112	54.090	ug/L 100
19) 1,1-Dichloroethane	3.92	63	169570	51.518	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	99518	52.873	ug/L 99
22) 2-Butanone	4.76	43	194769	106.825	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46396	52.602	ug/L	99
25) Chloroform	5.13	83	163956	51.220	ug/L	98
27) 1,2-Dichloroethane	5.84	62	143990	53.489	ug/L	99
29) Cyclohexane	5.43	56	142789	45.588	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	125567	48.478	ug/L	99
31) Carbon tetrachloride	5.57	117	101022	48.168	ug/L	100
33) Benzene	5.82	78	371863	50.421	ug/L	100
34) Trichloroethene	6.58	95	89579	49.117	ug/L	99
35) Methylcyclohexane	6.80	83	145286	45.235	ug/L	99
37) 1,2-Dichloropropane	6.83	63	103197	51.890	ug/L	99
38) Bromodichloromethane	7.14	83	126714	52.432	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	166112	52.276	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	342215	108.911	ug/L	100
42) Toluene	8.00	91	396268	49.724	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	148555	53.515	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	96015	52.922	ug/L	98
46) Tetrachloroethene	8.58	164	60037	46.911	ug/L	98
48) 2-Hexanone	8.72	43	276239	107.771	ug/L	100
49) Dibromochloromethane	8.84	129	92630	52.200	ug/L	98
50) 1,2-Dibromoethane	8.95	107	101234	53.114	ug/L	100
51) Chlorobenzene	9.47	112	238594	49.721	ug/L	100
52) Ethylbenzene	9.60	91	428410	48.923	ug/L	99
53) m,p-Xylene	9.72	106	159337	49.325	ug/L	100
54) o-xylene	10.13	106	159376	49.803	ug/L	99
55) Styrene	10.14	104	274827	51.530	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	174912	53.502	ug/L	99
59) Bromoform	10.32	173	66330	55.046	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	140459	54.747	ug/L	99
61) Isopropylbenzene	10.51	105	405230	49.896	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	354994	50.983	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	351725	50.587	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	177217	51.888	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	176363	51.290	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	178310	51.564	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	40899	55.783	ug/L	98
69) 1,3,5-Trichlorobenzene	13.23	180	120884	51.042	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	105631	53.488	ug/L	98
71) Naphthalene	14.10	128	404168	58.059	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	105242	53.490	ug/L	99

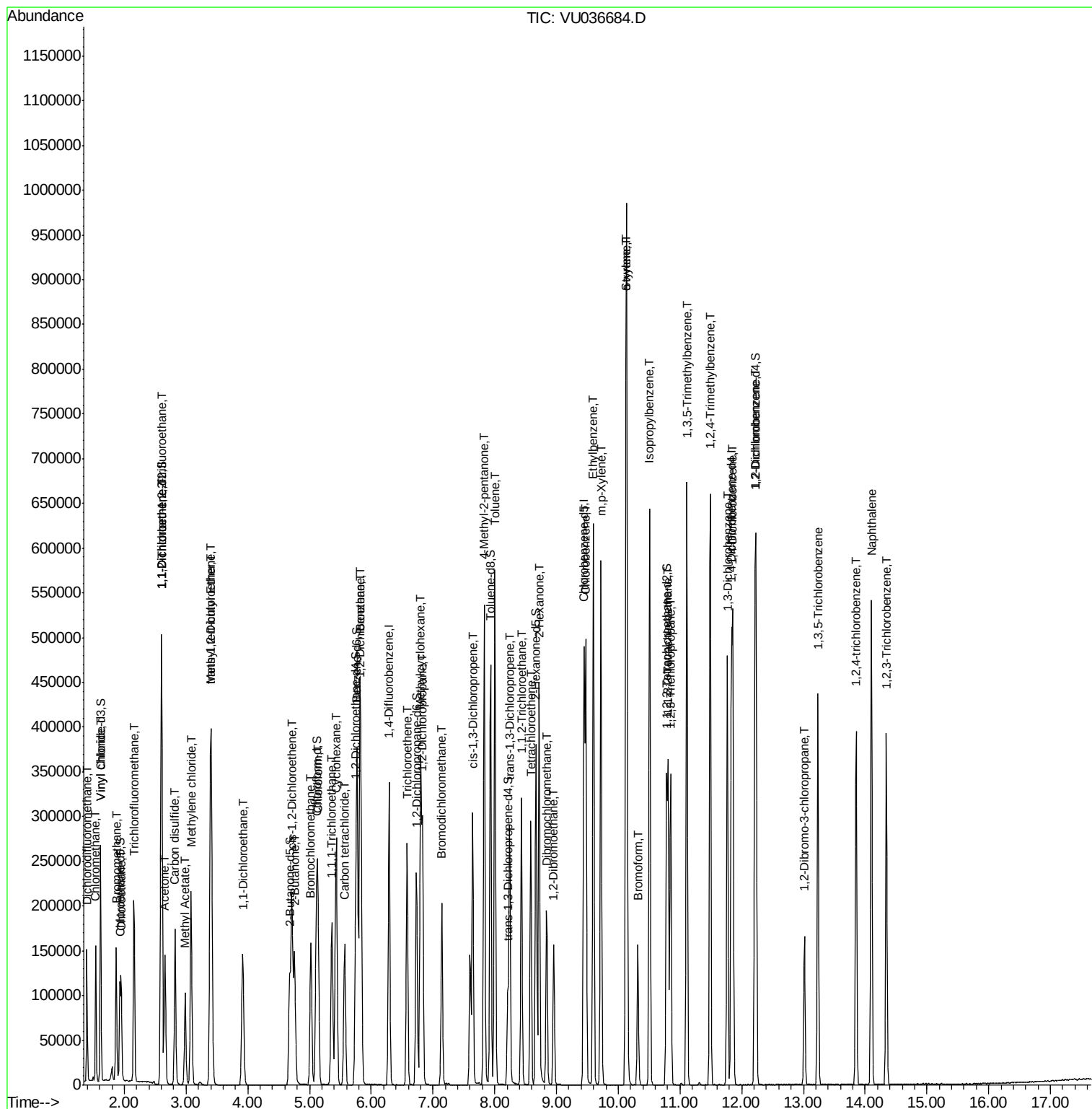
(#) = qualifier out of range (m) = manual integration (+) = signals summed

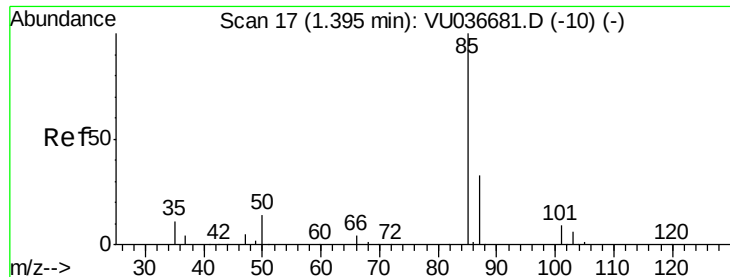
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#2

Dichlorodifluoromethane

Concen: 45.220 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

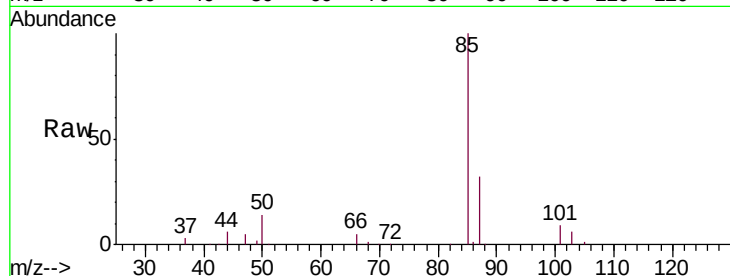
VICV106

Tgt Ion: 85 Resp: 79408

Ion Ratio Lower Upper

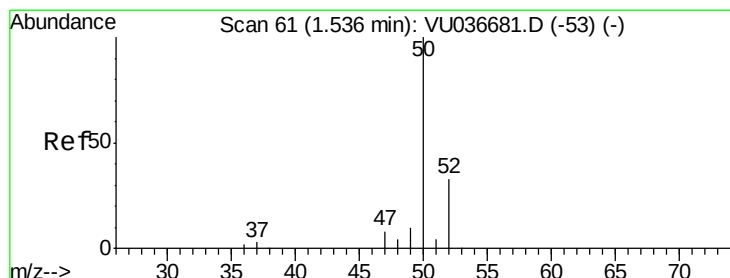
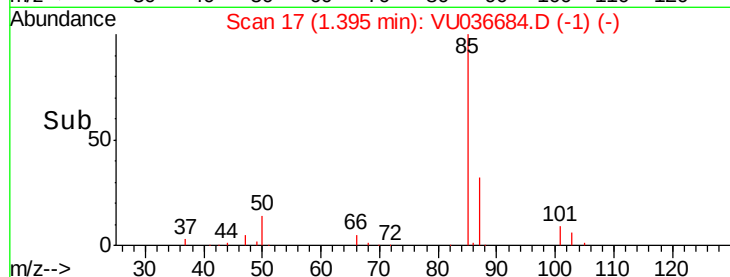
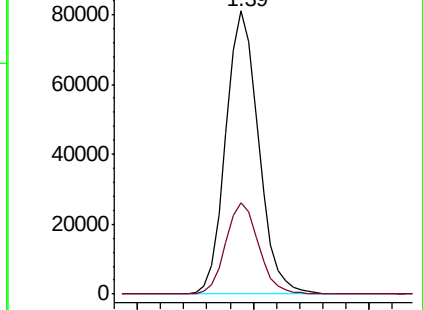
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036684.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036684.D (-10) (-)



#3

Chloromethane

Concen: 50.488 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036684.D

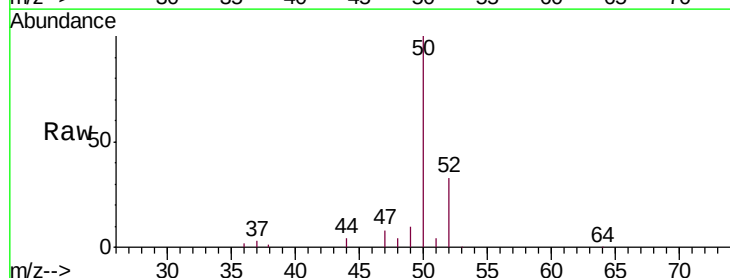
Acq: 06 Feb 2020 13:49

Tgt Ion: 50 Resp: 105061

Ion Ratio Lower Upper

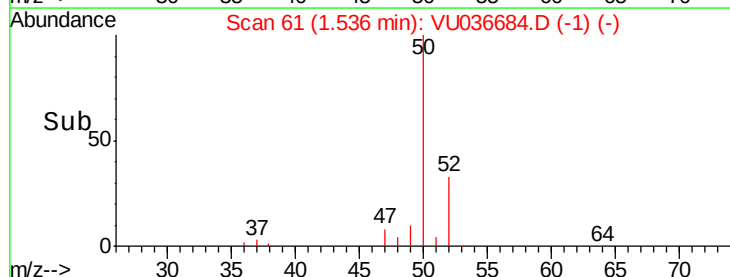
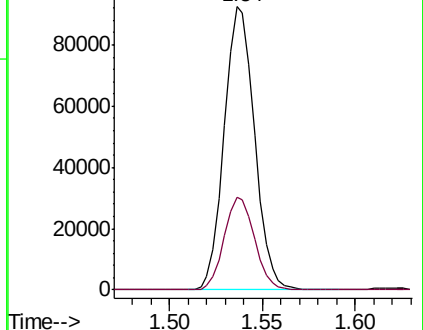
50 100

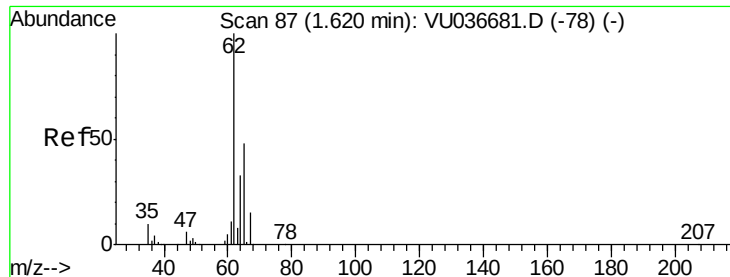
52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036684.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036684.D (-53) (-)





#5

Vinyl chloride

Concen: 46.889 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampled :

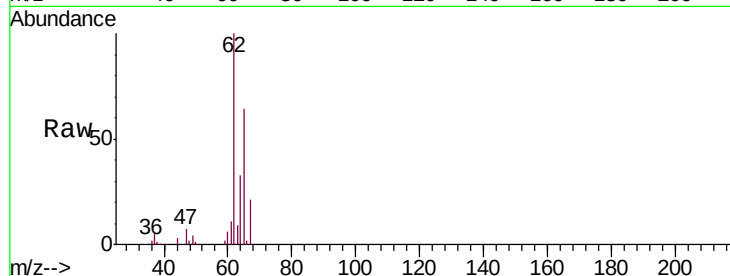
VICV106

Tgt Ion: 62 Resp: 105060

Ion Ratio Lower Upper

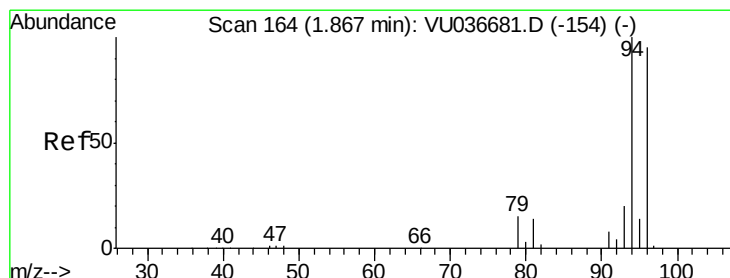
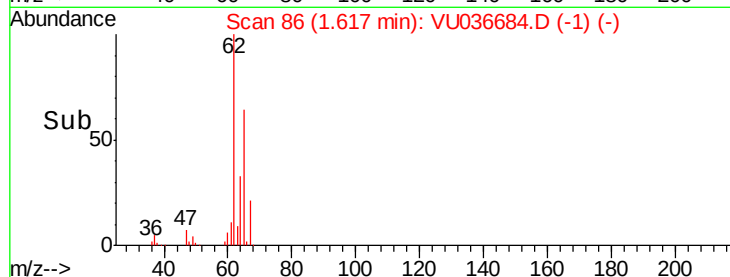
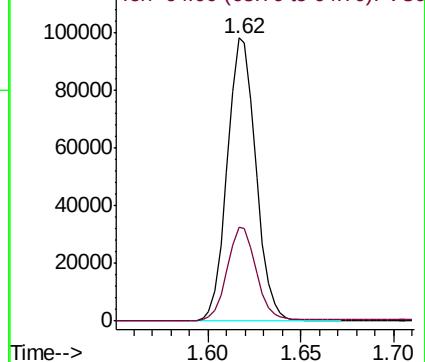
62 100

64 33.1 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 51.082 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036684.D

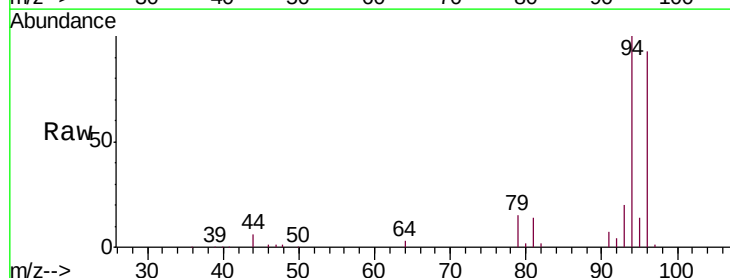
Acq: 06 Feb 2020 13:49

Tgt Ion: 94 Resp: 71765

Ion Ratio Lower Upper

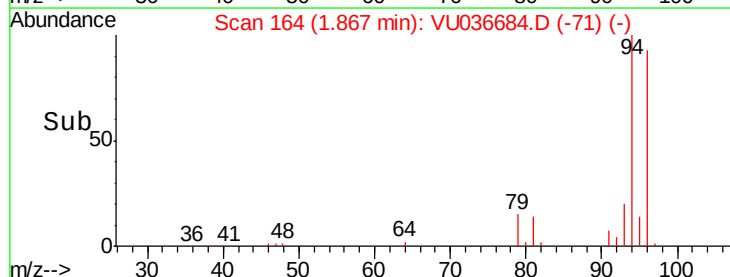
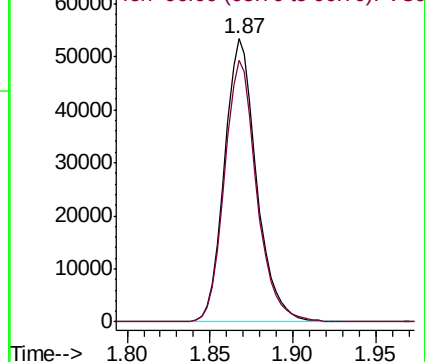
94 100

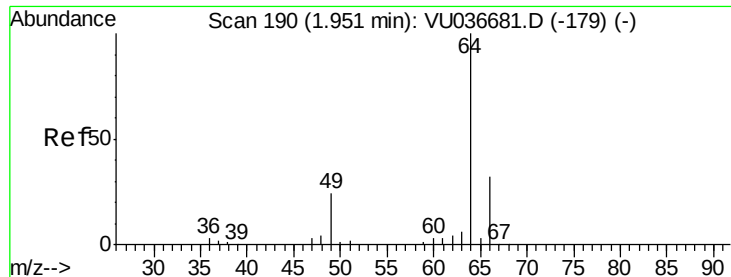
96 92.6 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.437 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

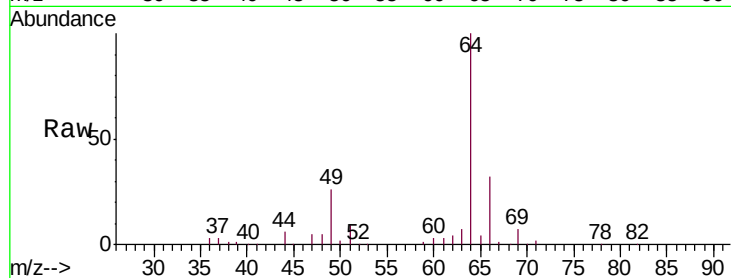
VICV106

Tgt Ion: 64 Resp: 68880

Ion Ratio Lower Upper

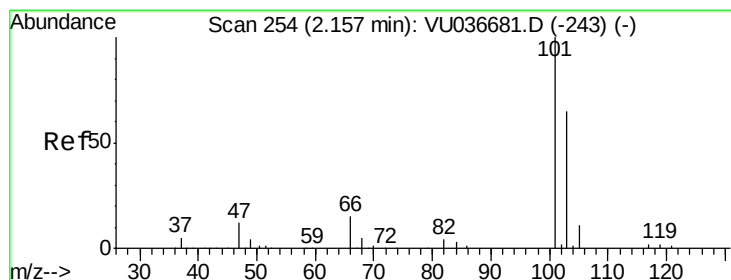
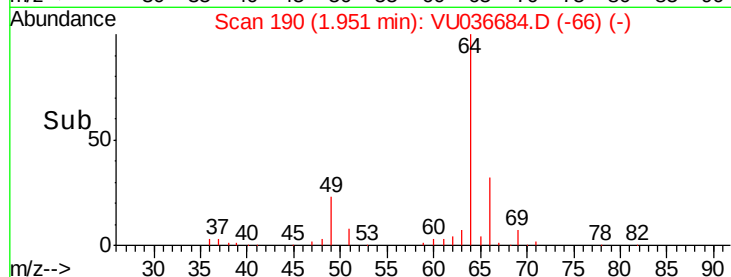
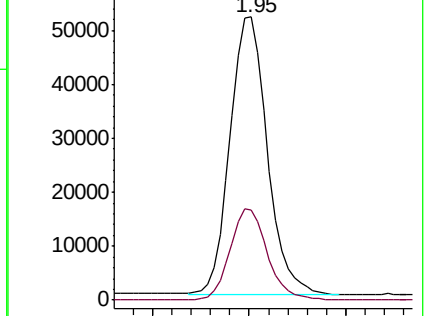
64 100

66 32.1 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU036681.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036681.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 45.867 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036684.D

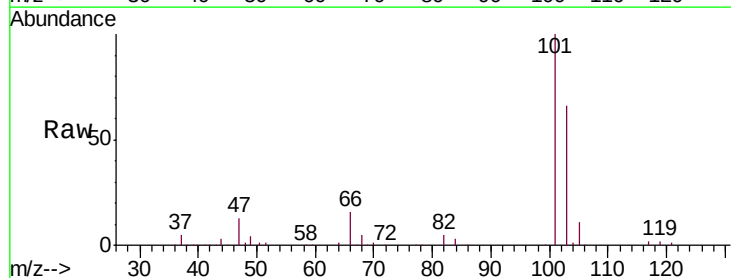
Acq: 06 Feb 2020 13:49

Tgt Ion: 101 Resp: 122122

Ion Ratio Lower Upper

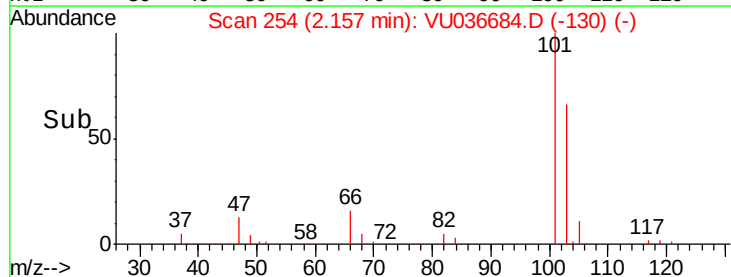
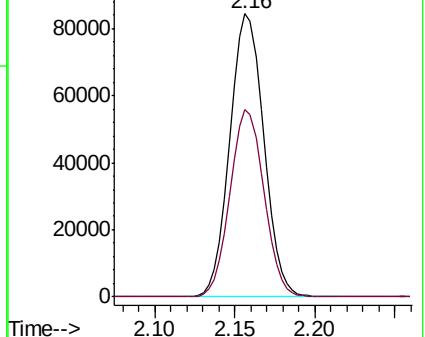
101 100

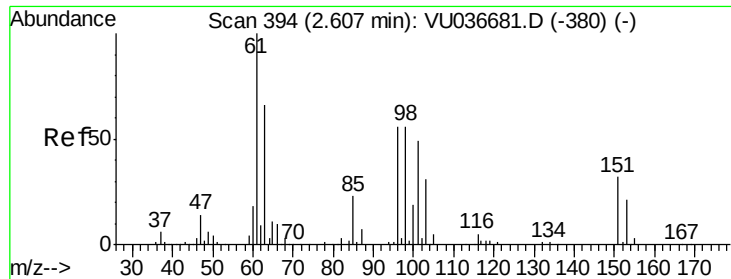
103 66.0 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036681.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036681.D (-243) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.556 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VICV106

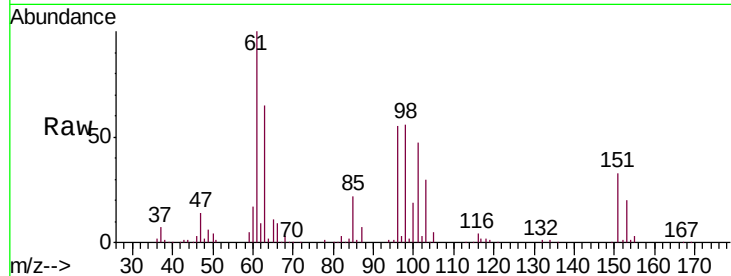
Tgt Ion: 101 Resp: 72650

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

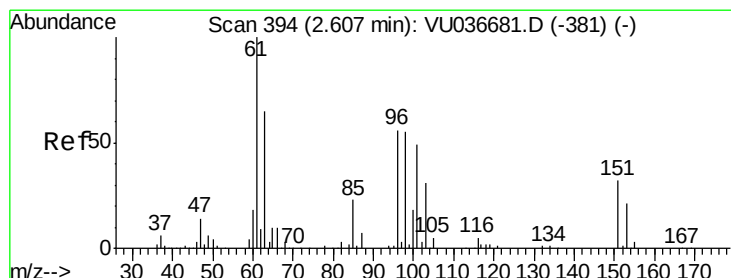
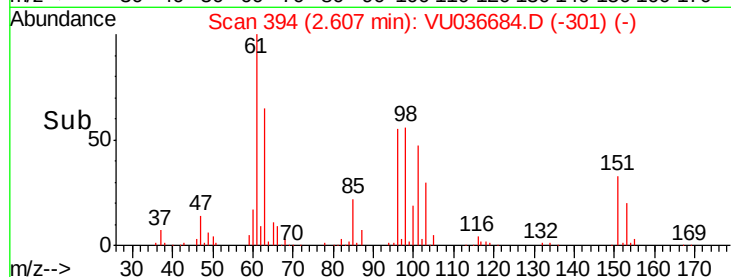
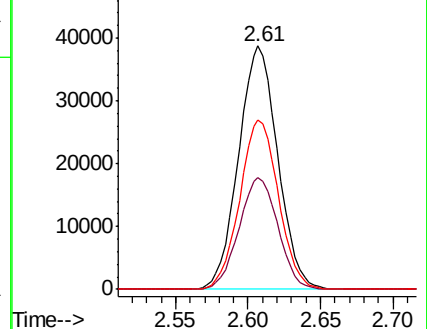
151 68.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.755 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

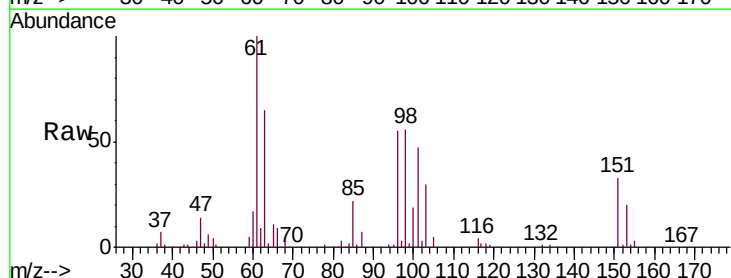
Tgt Ion: 96 Resp: 74141

Ion Ratio Lower Upper

96 100

61 181.8 124.4 231.0

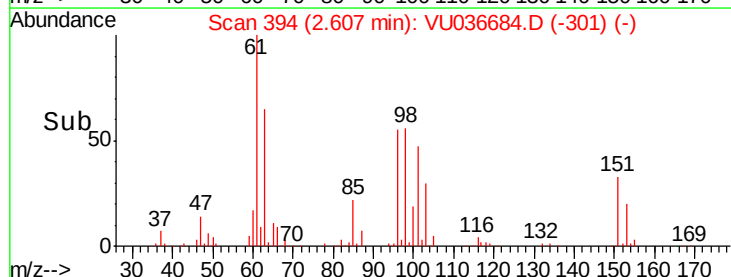
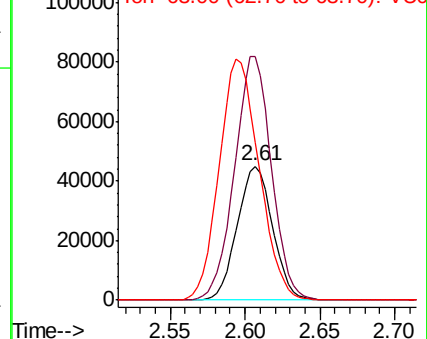
63 118.1 83.4 155.0

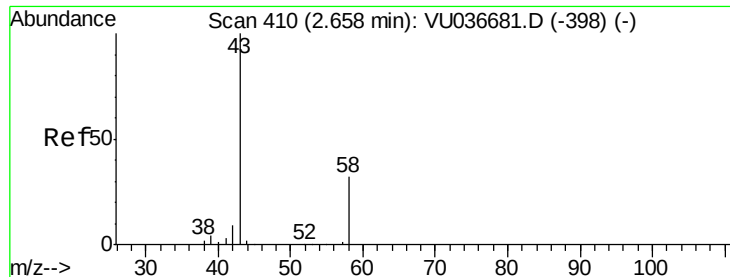


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 98.530 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

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ClientSampleId :

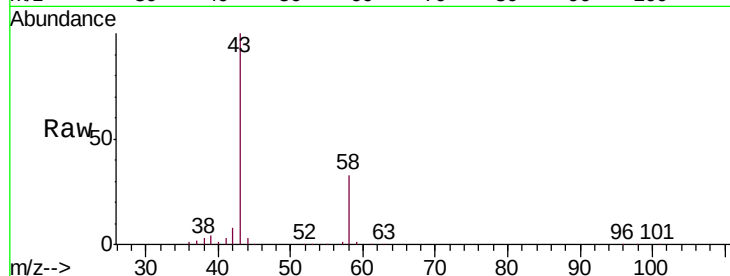
VICV106

Tgt Ion: 43 Resp: 151361

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036684.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036684.D (-398) (-)

2.66

80000

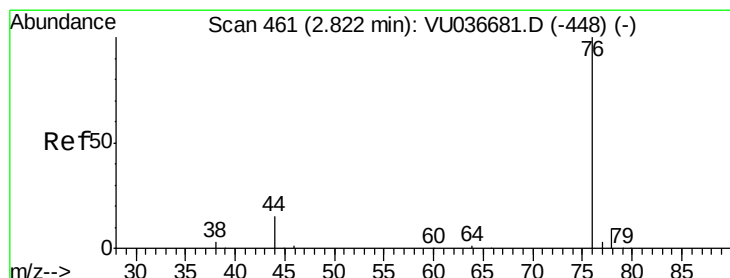
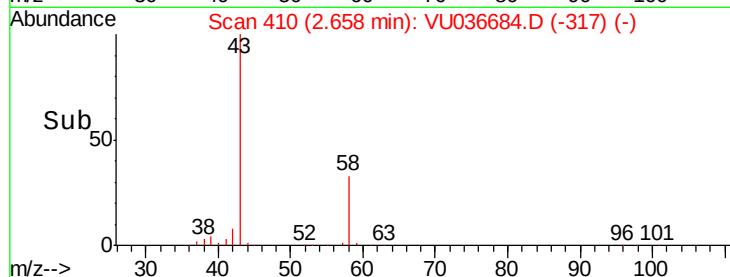
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 48.242 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036684.D

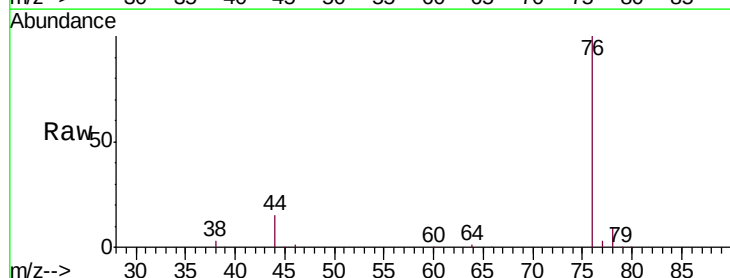
Acq: 06 Feb 2020 13:49

Tgt Ion: 76 Resp: 223824

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036684.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036684.D (-368) (-)

2.82

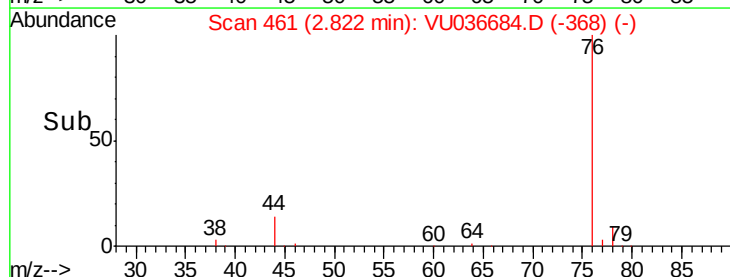
150000

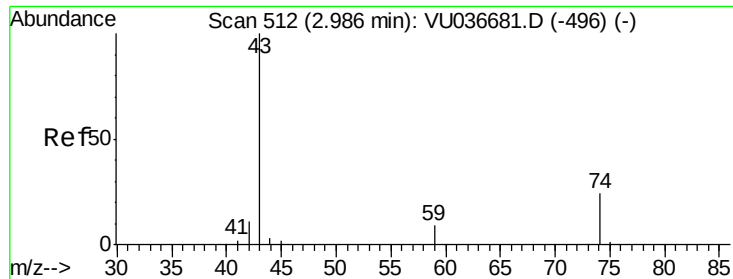
100000

50000

0

Time-->

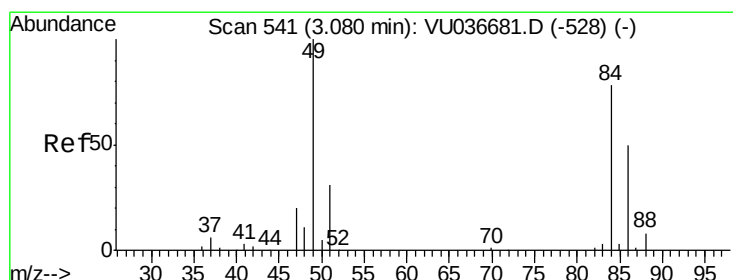
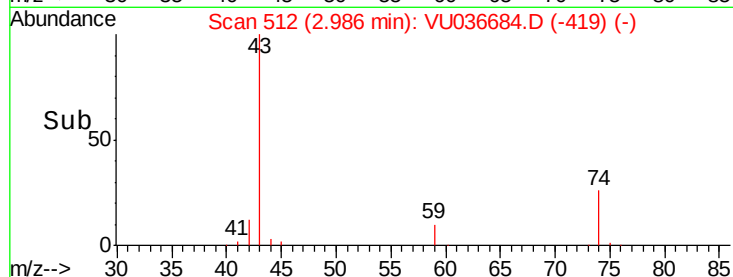
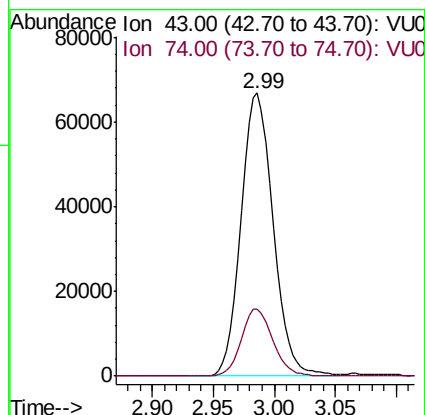
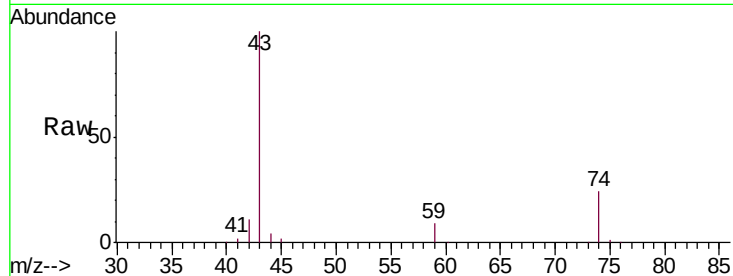




#15
Methyl Acetate
Concen: 54.882 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

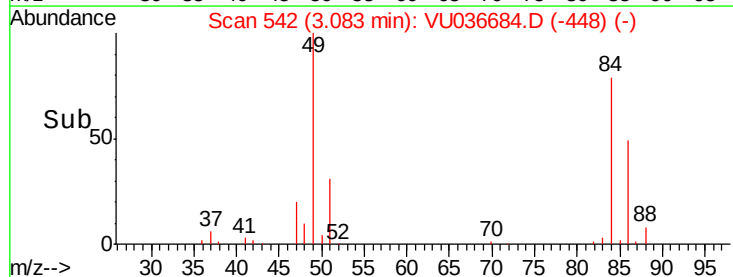
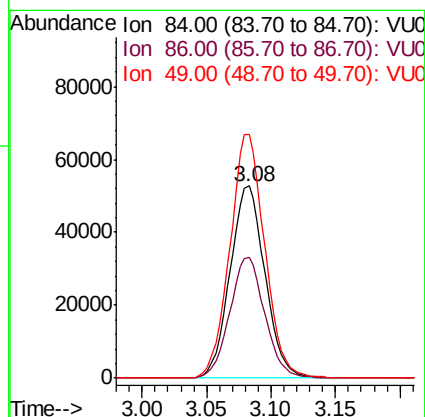
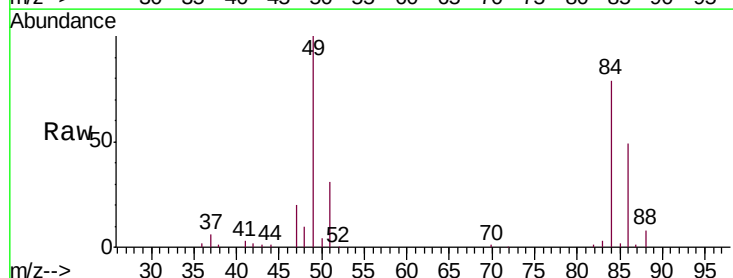
Instrument :
MSVOA_U
ClientSampleId :
VICV106

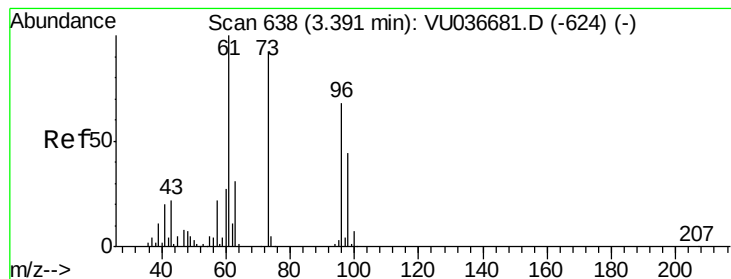
Tgt Ion: 43 Resp: 121885
Ion Ratio Lower Upper
43 100
74 23.3 18.7 28.1



#16
Methylene chloride
Concen: 51.796 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

Tgt Ion: 84 Resp: 99254
Ion Ratio Lower Upper
84 100
86 62.7 44.4 82.5
49 126.6 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 50.078 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VICV106

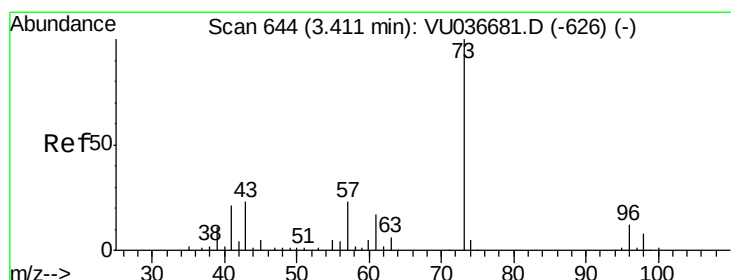
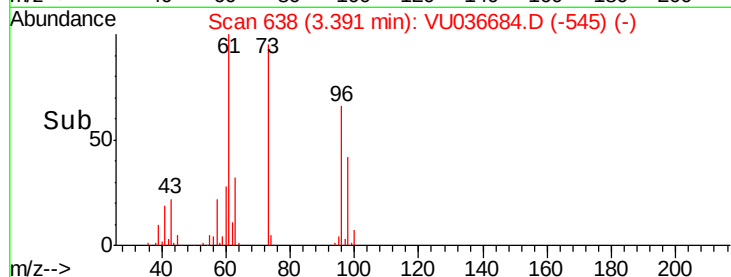
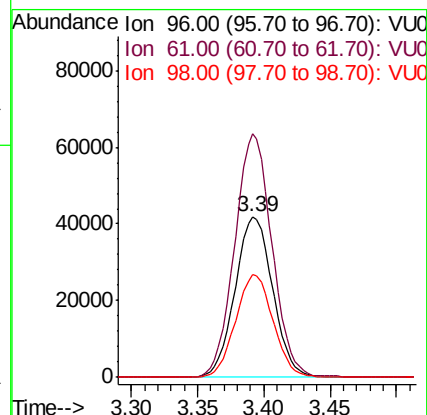
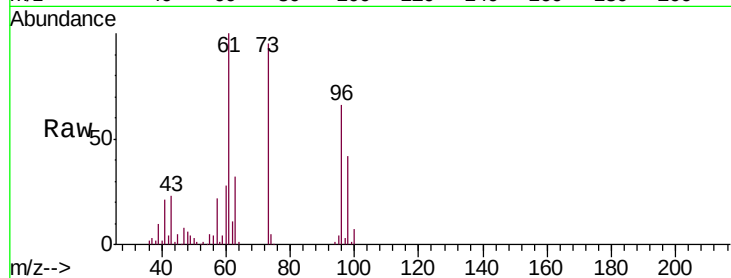
Tgt Ion: 96 Resp: 82724

Ion Ratio Lower Upper

96 100

61 151.7 103.4 192.0

98 63.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 54.090 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

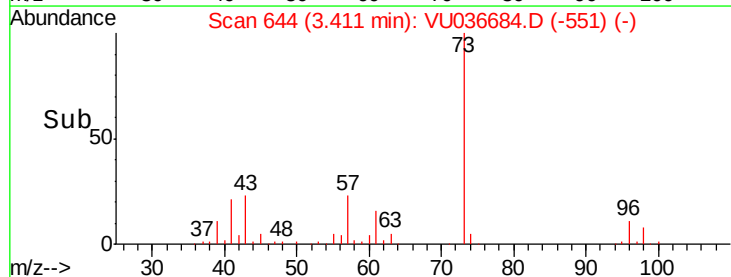
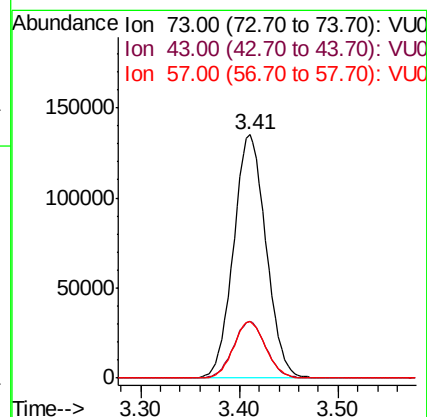
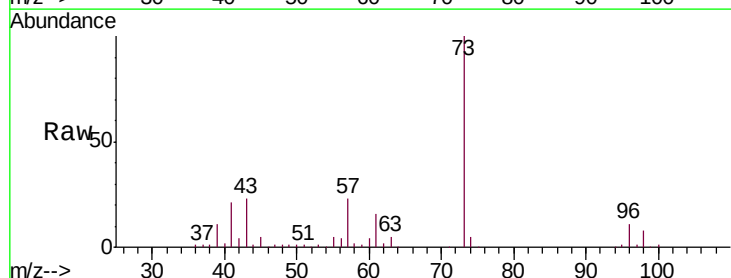
Tgt Ion: 73 Resp: 310112

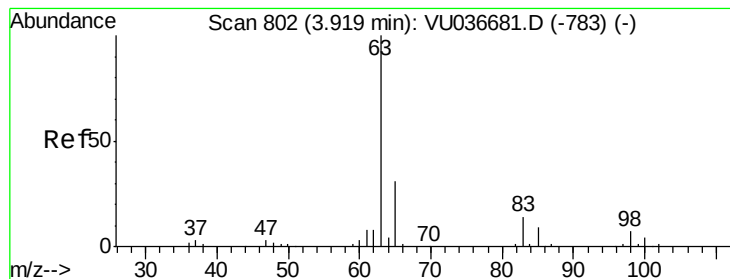
Ion Ratio Lower Upper

73 100

43 23.1 18.6 28.0

57 22.8 18.3 27.5





#19

1,1-Dichloroethane

Concen: 51.518 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VICV106

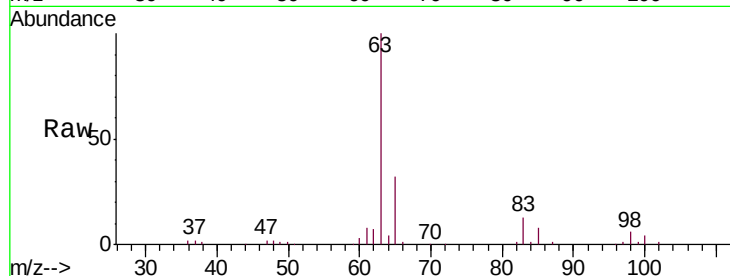
Tgt Ion: 63 Resp: 169570

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

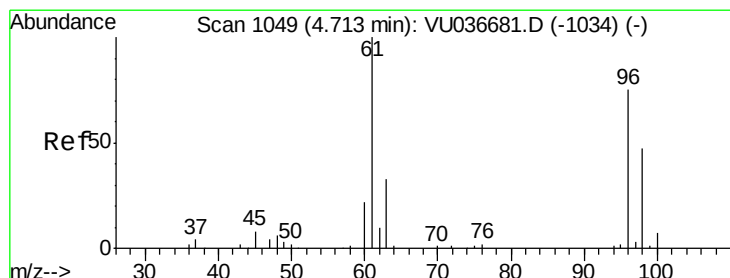
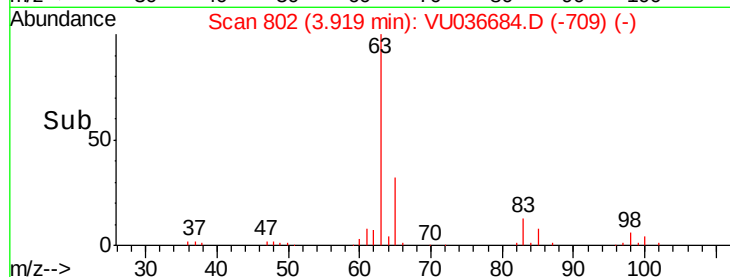
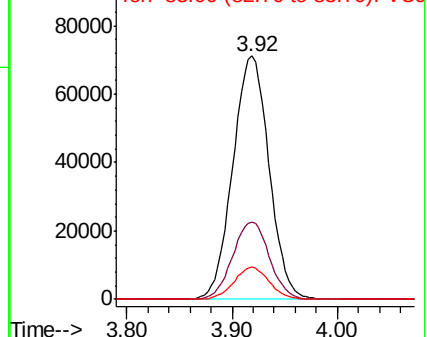
83 13.3 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VU036684.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU036684.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU036684.D (-783) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.873 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

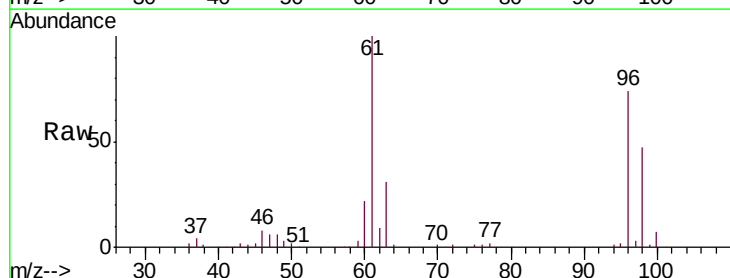
Tgt Ion: 96 Resp: 99518

Ion Ratio Lower Upper

96 100

61 134.5 93.3 173.3

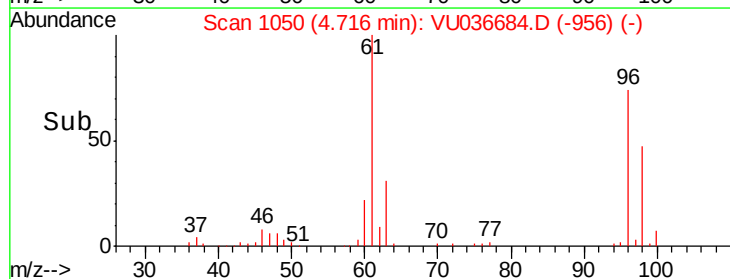
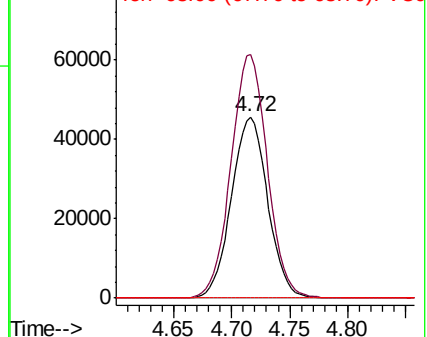
68 0.0 0.0 0.0

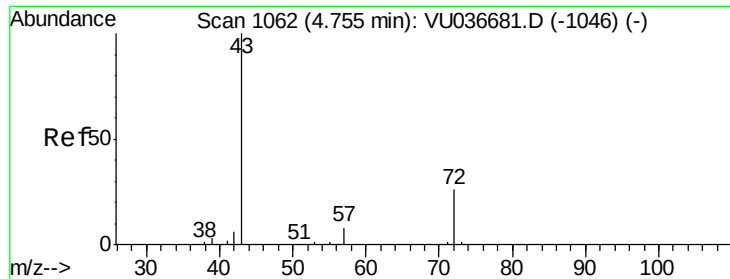


Abundance Ion 96.00 (95.70 to 96.70): VU036684.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036684.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036684.D (-956) (-)





#22

2-Butanone

Concen: 106.825 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

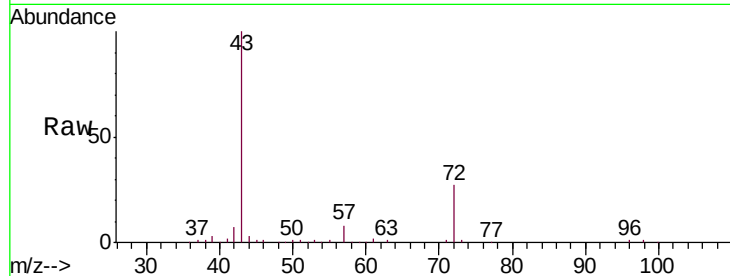
VICV106

Tgt Ion: 43 Resp: 194769

Ion Ratio Lower Upper

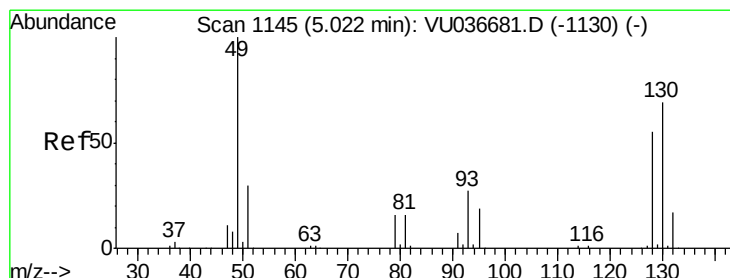
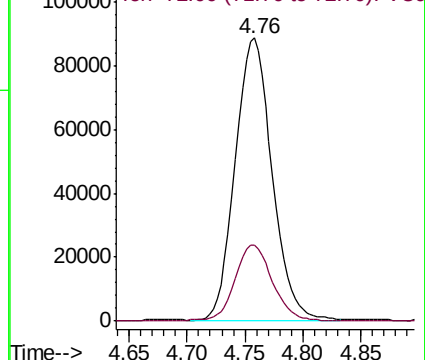
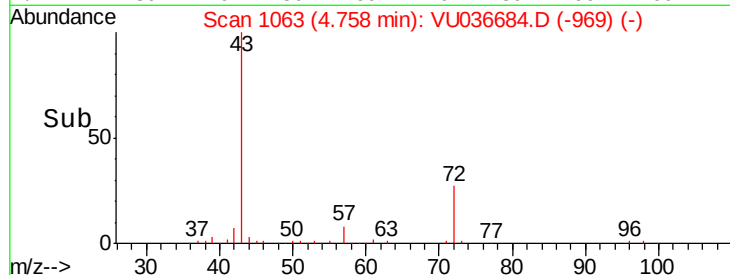
43 100

72 27.6 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036684.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036684.D (-969) (-)



#23

Bromochloromethane

Concen: 52.602 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Tgt Ion: 128 Resp: 46396

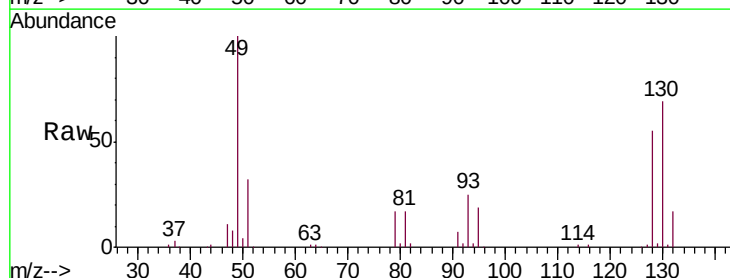
Ion Ratio Lower Upper

128 100

49 181.1 127.3 236.5

130 124.3 88.5 164.3

51 58.1 44.4 66.6

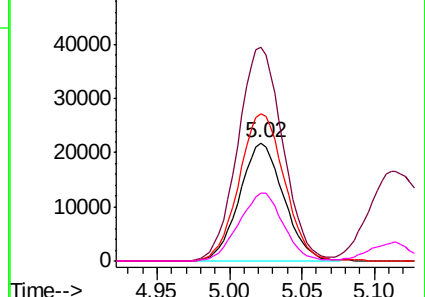
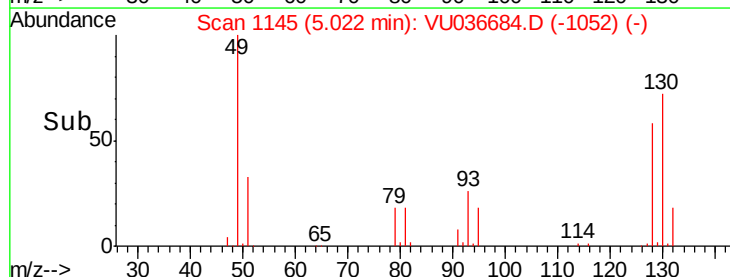


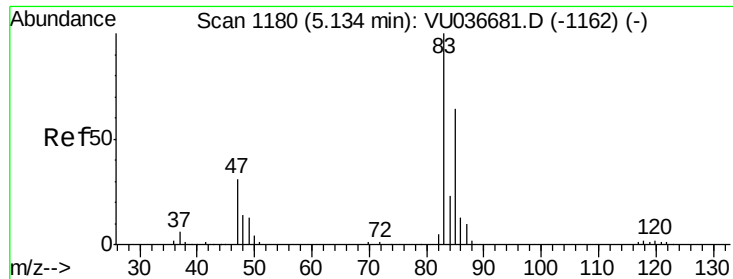
Abundance Ion 128.00 (127.70 to 128.70): VU036684.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036684.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036684.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036684.D (-1052) (-)

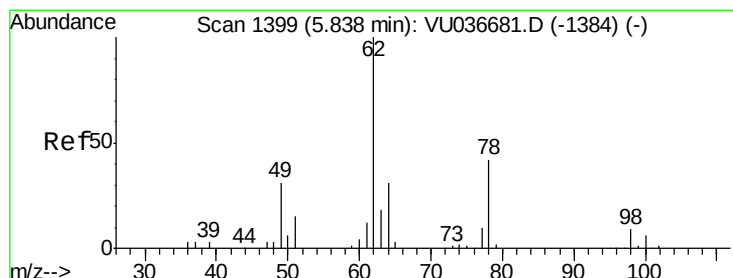
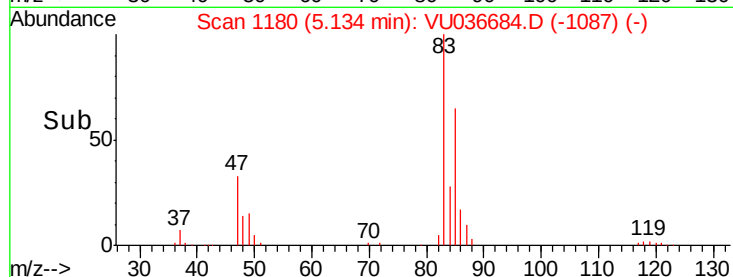
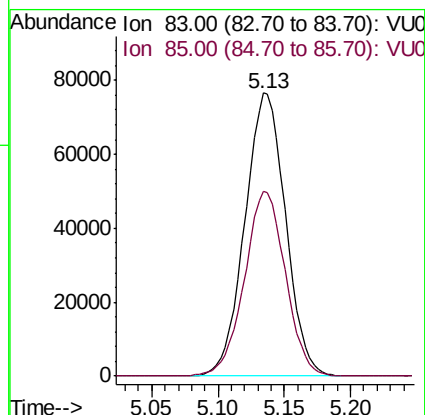
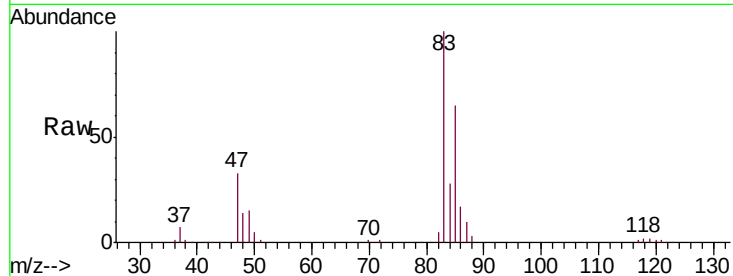




#25
Chloroform
Concen: 51.220 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

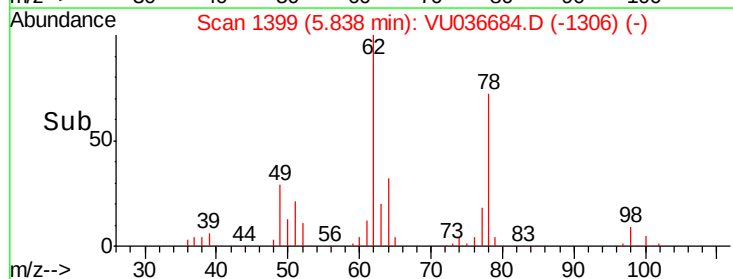
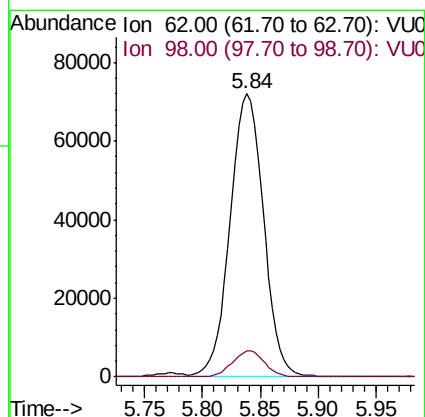
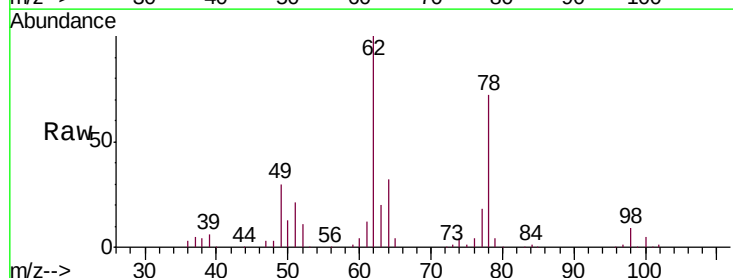
Instrument :
MSVOA_U
ClientSampleId :
VICV106

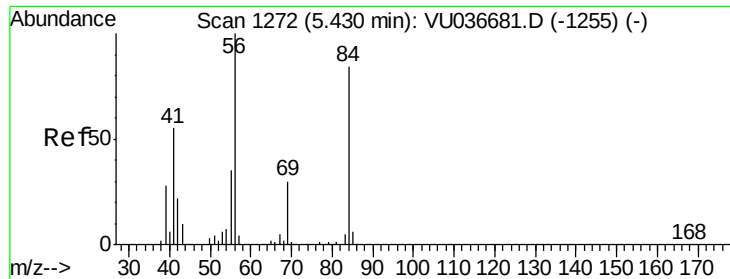
Tgt Ion: 83 Resp: 163956
Ion Ratio Lower Upper
83 100
85 65.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 53.489 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

Tgt Ion: 62 Resp: 143990
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4

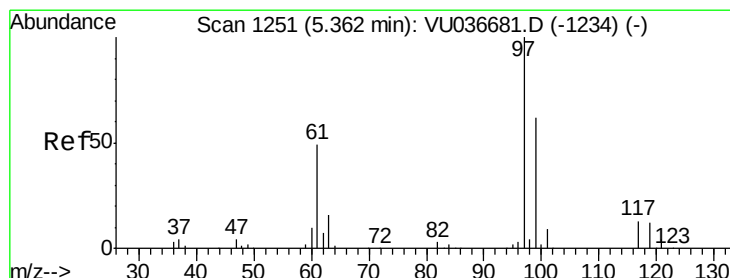
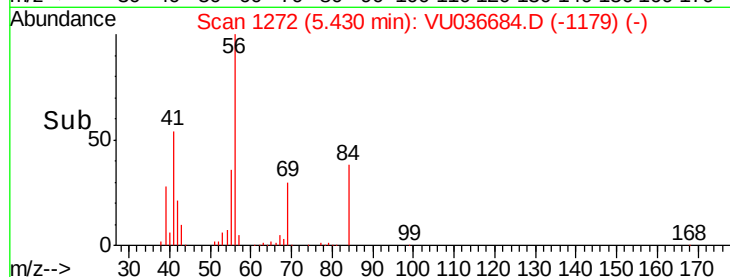
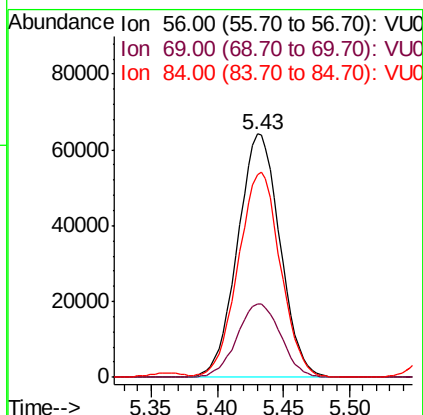
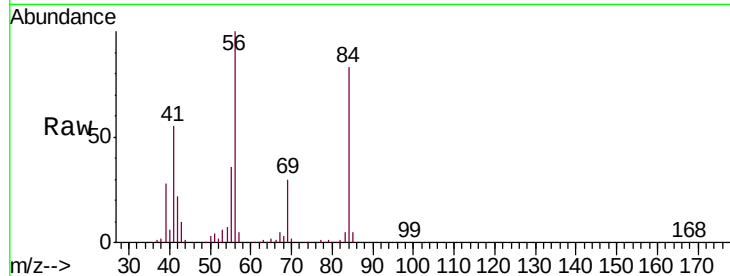




#29
Cyclohexane
Concen: 45.588 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

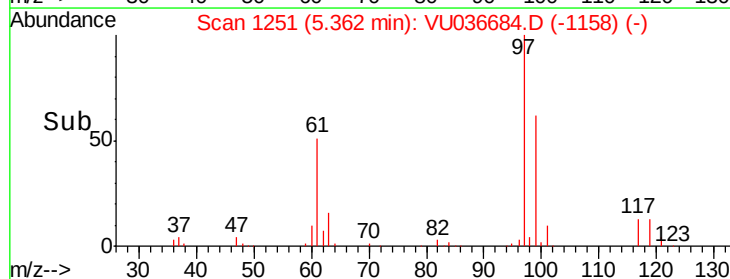
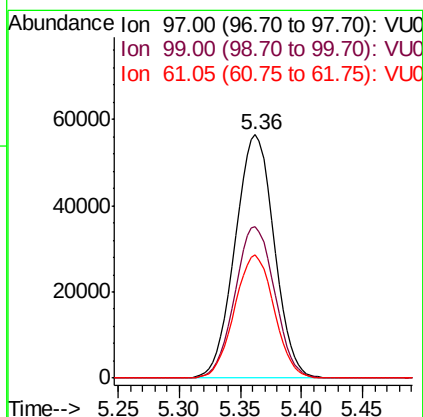
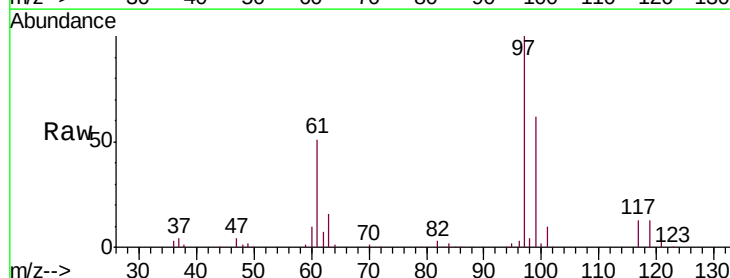
Instrument :
MSVOA_U
ClientSampleId :
VICV106

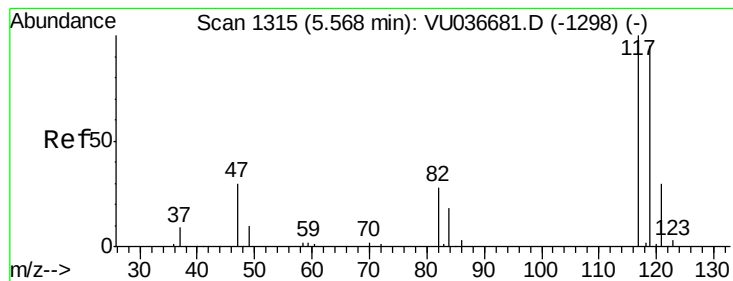
Tgt Ion: 56 Resp: 142789
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.4
84 84.3 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 48.478 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

Tgt Ion: 97 Resp: 125567
Ion Ratio Lower Upper
97 100
99 63.2 50.9 76.3
61 51.1 40.2 60.2





#31

Carbon tetrachloride

Concen: 48.168 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampled :

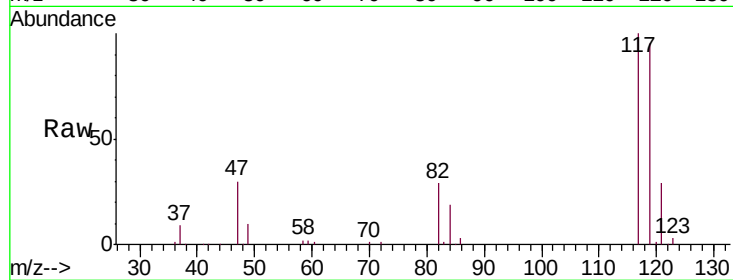
VICV106

Tgt Ion:117 Resp: 101022

Ion Ratio Lower Upper

117 100

119 95.2 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

50000

40000

30000

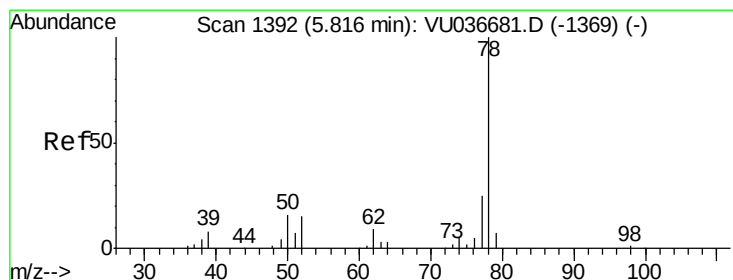
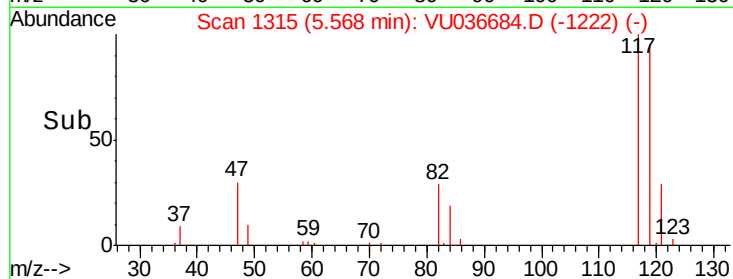
20000

10000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 50.421 ug/L

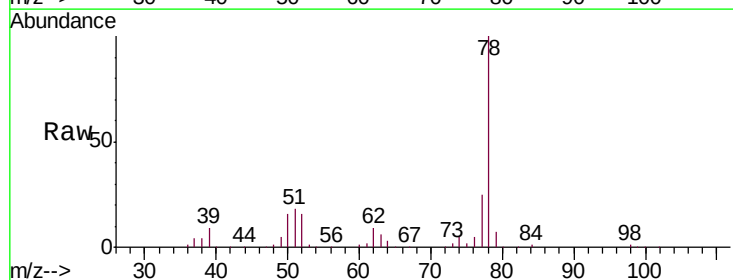
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Tgt Ion: 78 Resp: 371863



Abundance Ion 78.00 (77.70 to 78.70): VU0

200000

150000

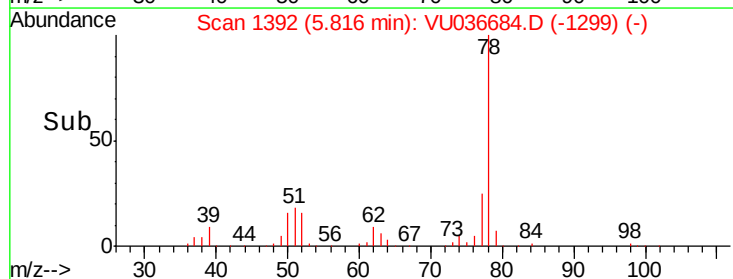
100000

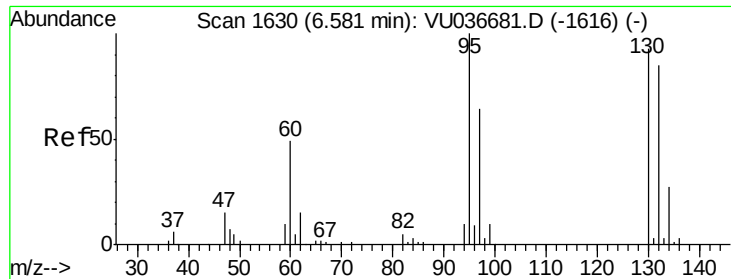
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 49.117 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampled :

VICV106

Tgt Ion: 95 Resp: 89579

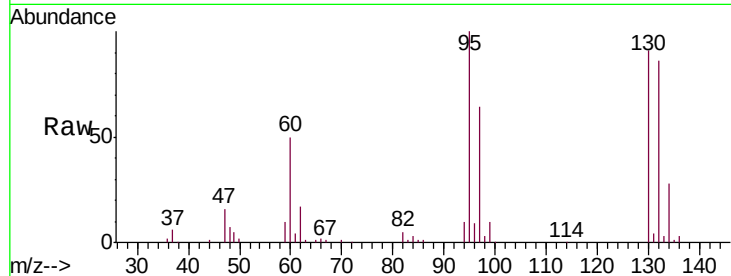
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 86.4 59.6 110.8

130 90.8 65.0 120.8

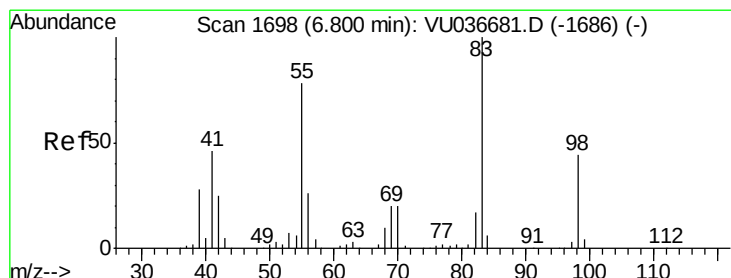
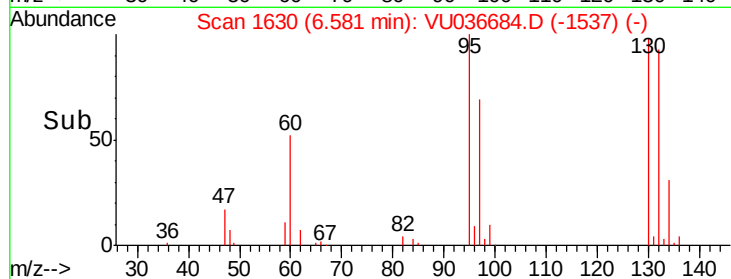
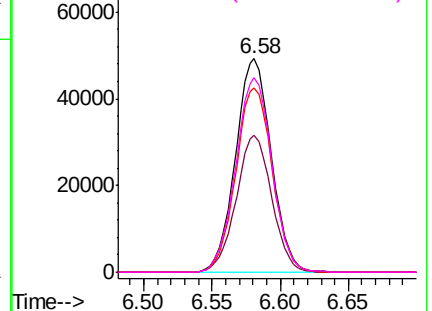


Abundance Ion 95.00 (94.70 to 95.70): VU036684.D (-1616) (-)

Ion 97.00 (96.70 to 97.70): VU036684.D (-1616) (-)

Ion 132.00 (131.70 to 132.70): VU036684.D (-1616) (-)

Ion 130.00 (129.70 to 130.70): VU036684.D (-1616) (-)



#35

Methylcyclohexane

Concen: 45.235 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

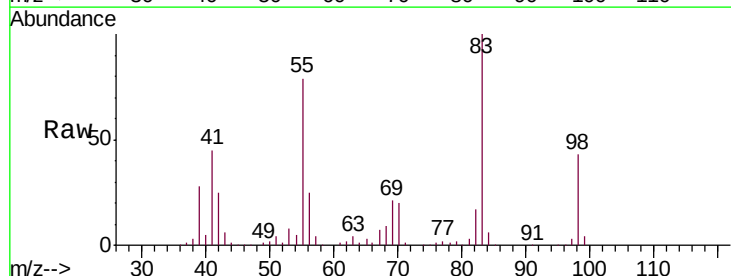
Tgt Ion: 83 Resp: 145286

Ion Ratio Lower Upper

83 100

55 78.2 61.2 91.8

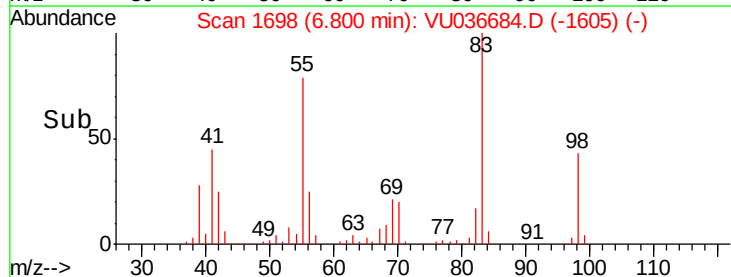
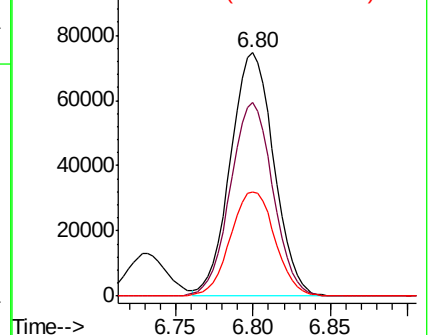
98 44.1 35.4 53.0

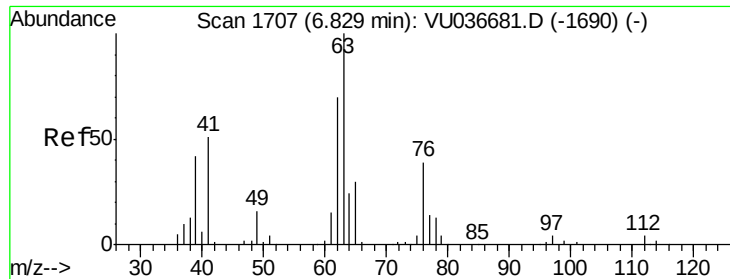


Abundance Ion 83.00 (82.70 to 83.70): VU036684.D (-1686) (-)

Ion 55.00 (54.70 to 55.70): VU036684.D (-1686) (-)

Ion 98.00 (97.70 to 98.70): VU036684.D (-1686) (-)

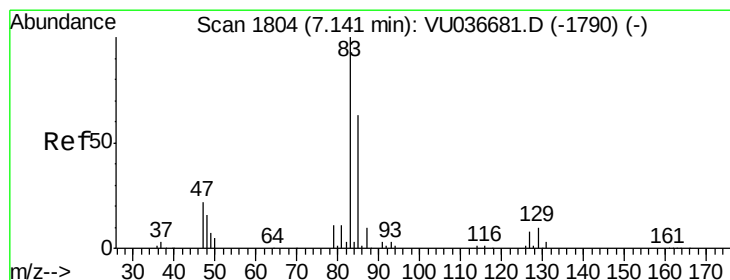
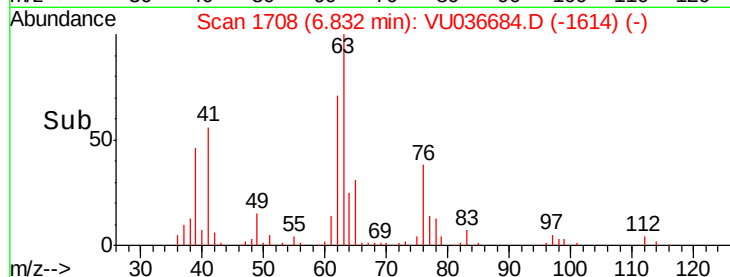
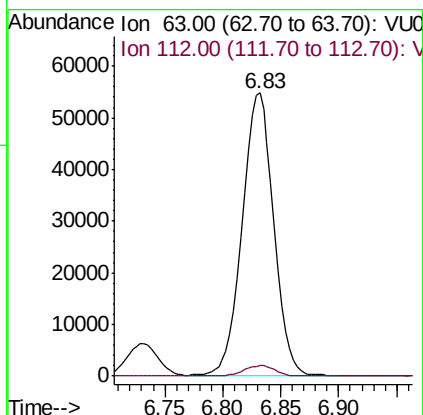
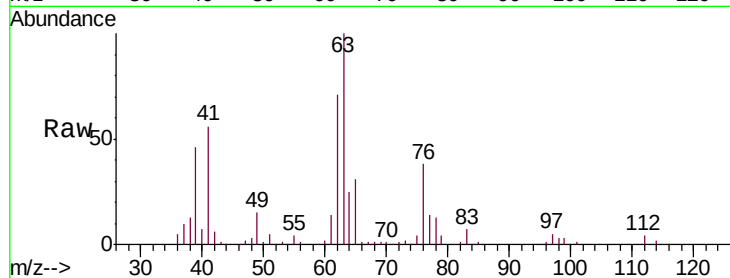




#37
 1,2-Dichloropropane
 Concen: 51.890 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

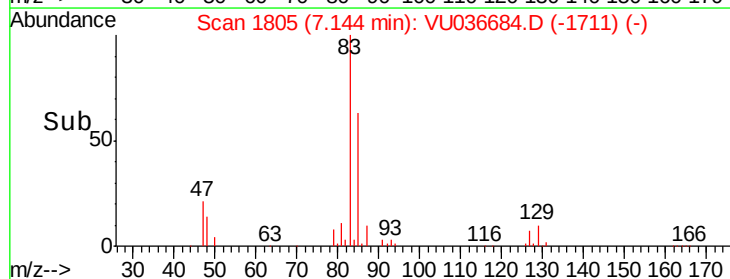
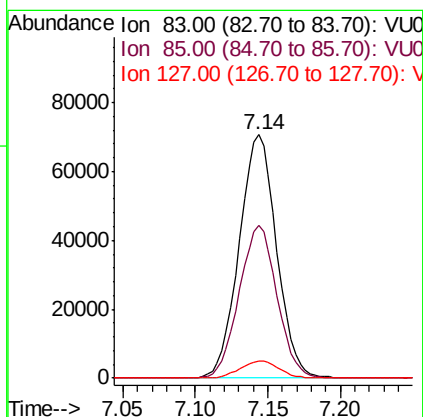
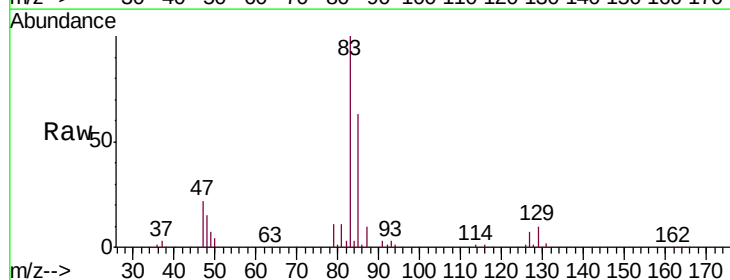
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

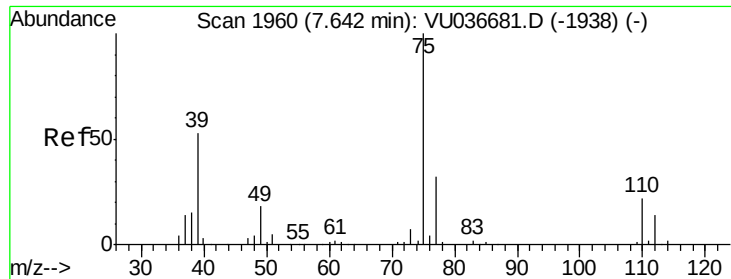
Tgt Ion: 63 Resp: 103197
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.432 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion: 83 Resp: 126714
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.9 81.5
 127 7.0 6.0 9.0

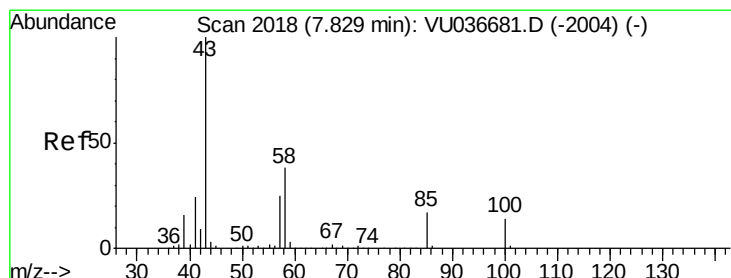
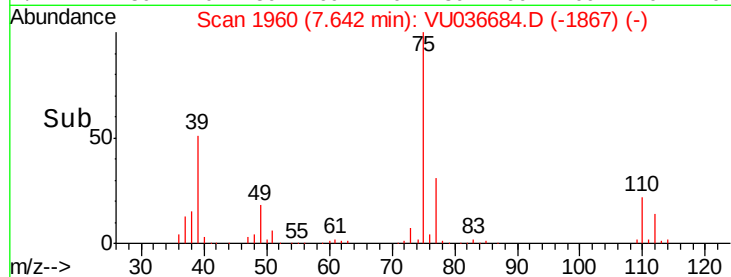
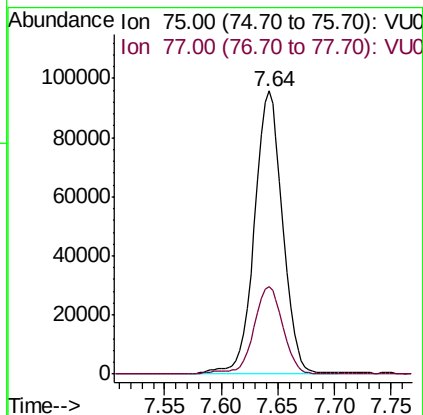
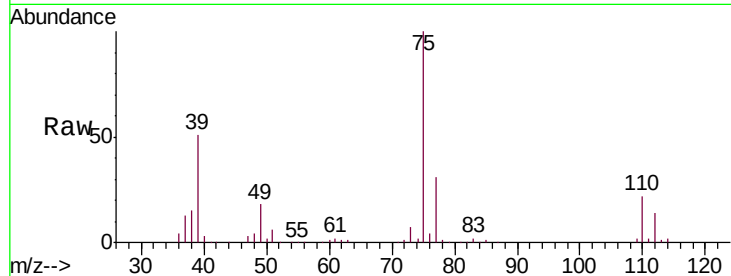




#39
 cis-1,3-Dichloropropene
 Concen: 52.276 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

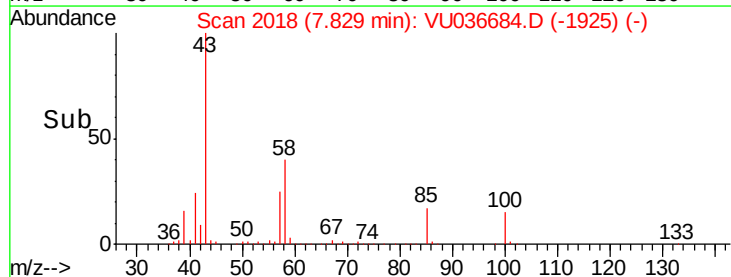
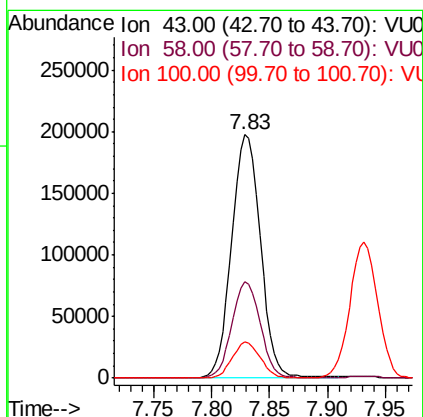
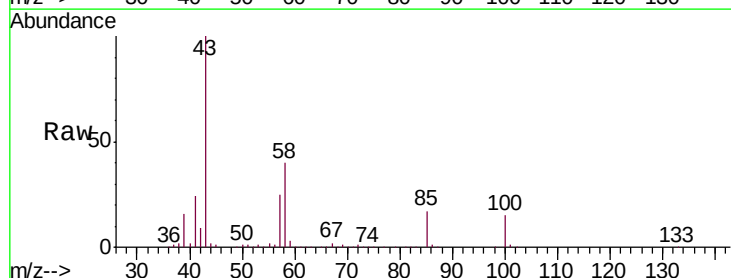
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

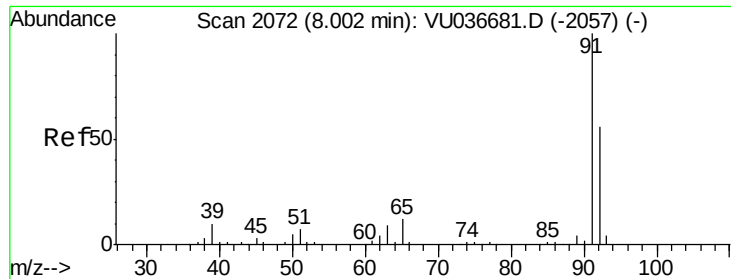
Tgt Ion: 75 Resp: 166112
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 108.911 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion: 43 Resp: 342215
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 49.724 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

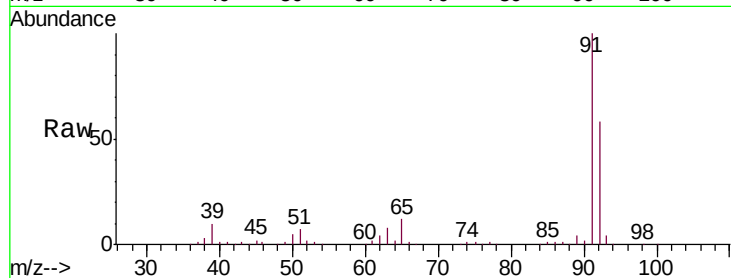
VICV106

Tgt Ion: 91 Resp: 396268

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036684.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036684.D (-2057) (-)

8.00

250000

200000

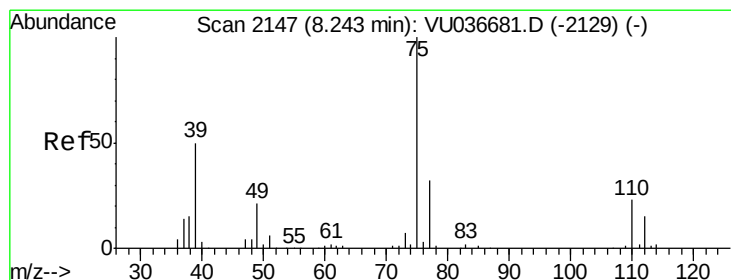
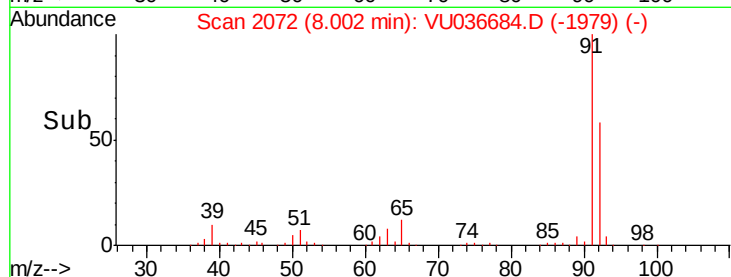
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.515 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036684.D

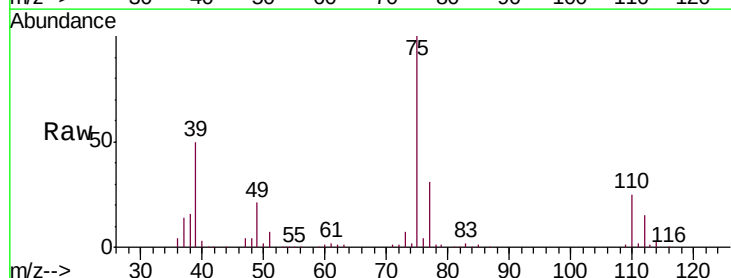
Acq: 06 Feb 2020 13:49

Tgt Ion: 75 Resp: 148555

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036684.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU036684.D (-2129) (-)

8.24

100000

80000

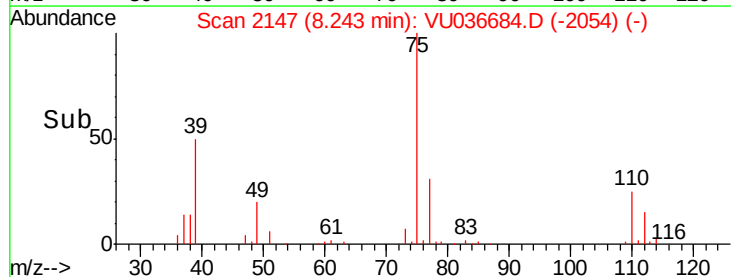
60000

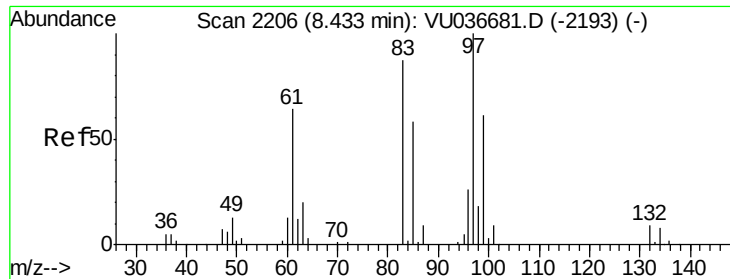
40000

20000

0

Time-->

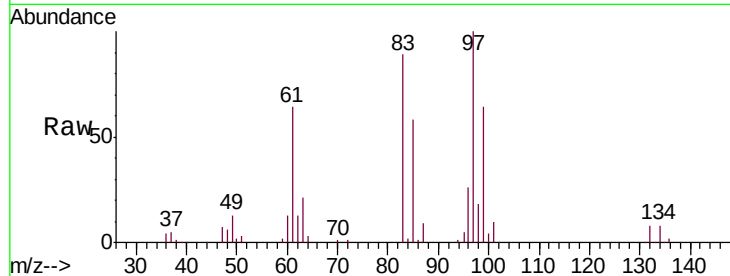




#45
 1,1,2-Trichloroethane
 Concen: 52.922 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

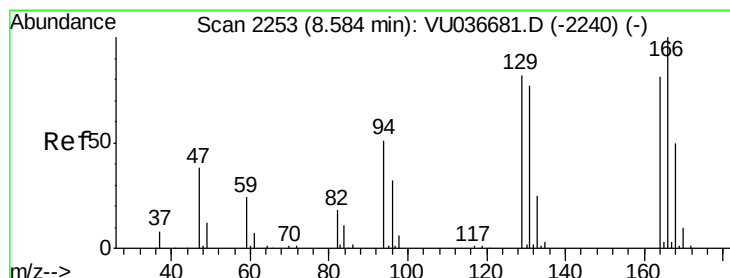
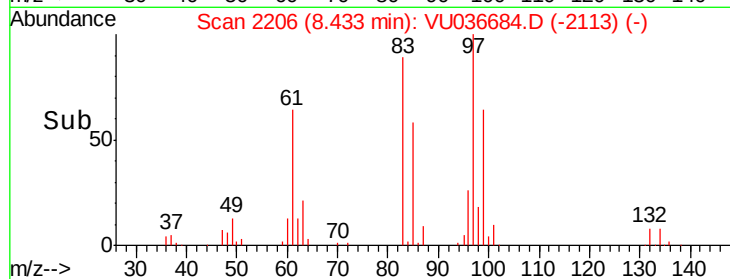
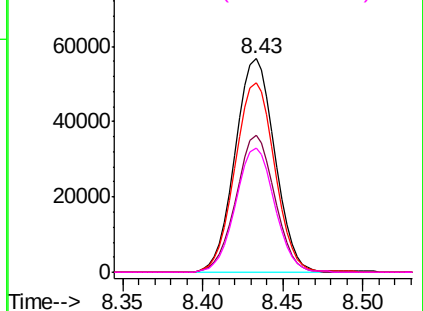
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

Tgt Ion:	97	Resp:	96015
Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.6	79.0
83	88.9	61.1	113.5
85	58.0	40.4	75.0



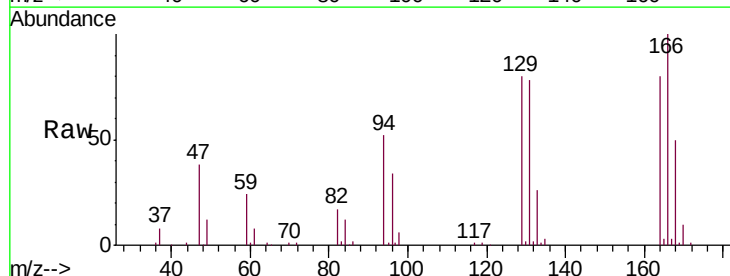
Abundance

Ion 97.00 (96.70 to 97.70): VU036684.D (-2193) (-)



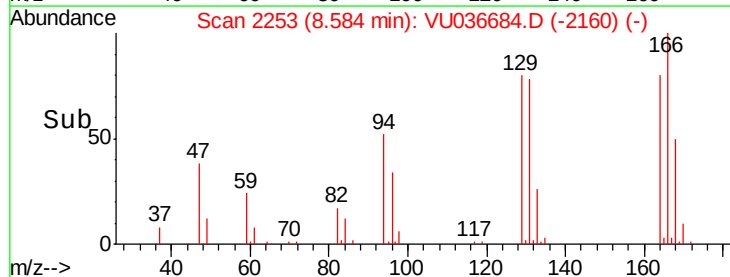
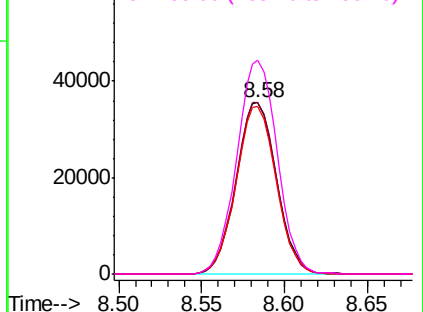
#46
 Tetrachloroethene
 Concen: 46.911 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

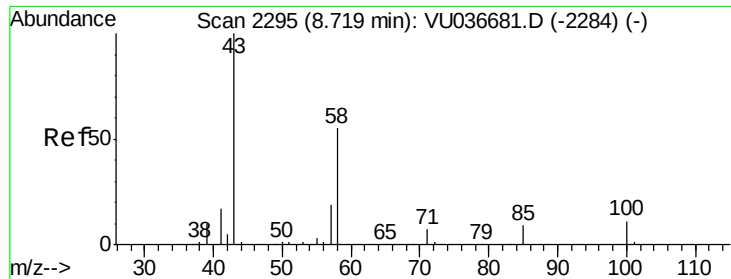
Tgt Ion:	164	Resp:	60037
Ion	Ratio	Lower	Upper
164	100		
129	100.5	71.0	131.9
131	97.8	66.6	123.6
166	124.9	86.4	160.4



Abundance

Ion 164.00 (163.70 to 164.70): VU036684.D (-2240) (-)





#48

2-Hexanone

Concen: 107.771 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VICV106

Tgt Ion: 43 Resp: 276239

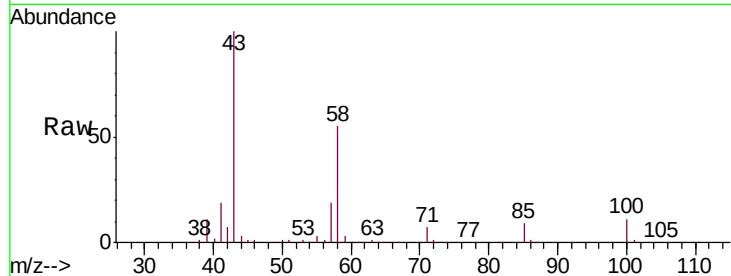
Ion Ratio Lower Upper

43 100

58 54.5 43.6 65.4

57 19.2 15.5 23.3

100 11.1 9.0 13.4

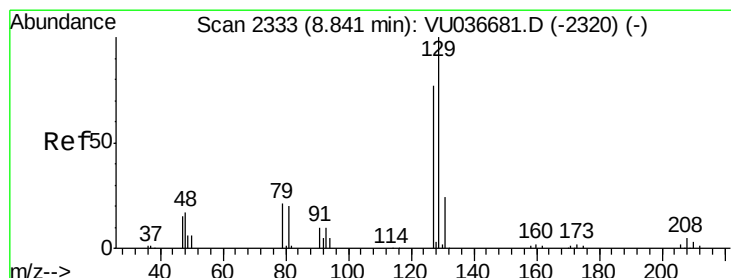
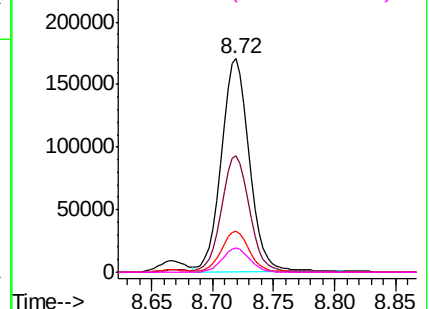
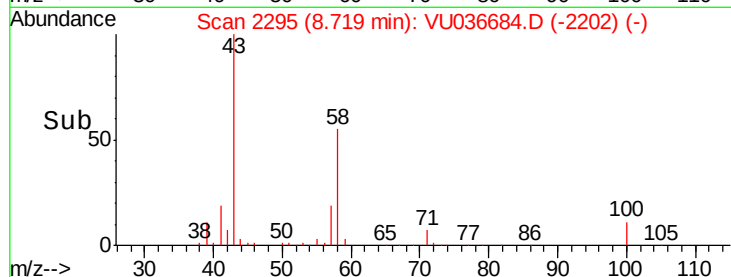


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 52.200 ug/L

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036684.D

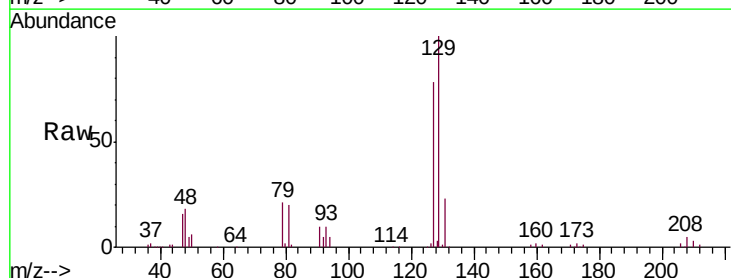
Acq: 06 Feb 2020 13:49

Tgt Ion: 129 Resp: 92630

Ion Ratio Lower Upper

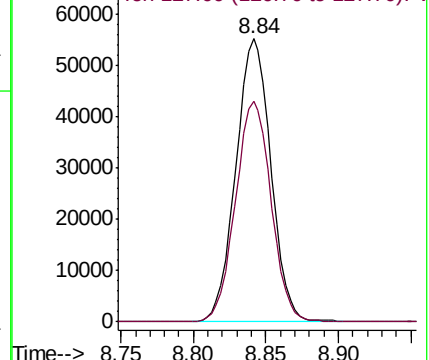
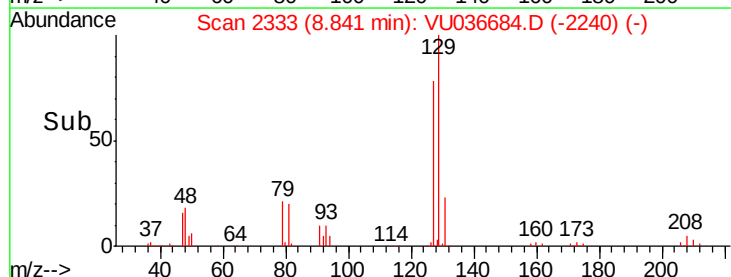
129 100

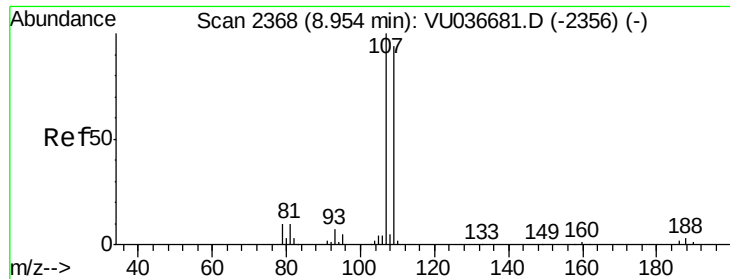
127 77.9 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

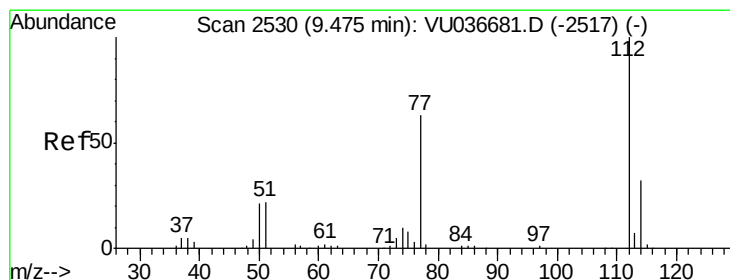
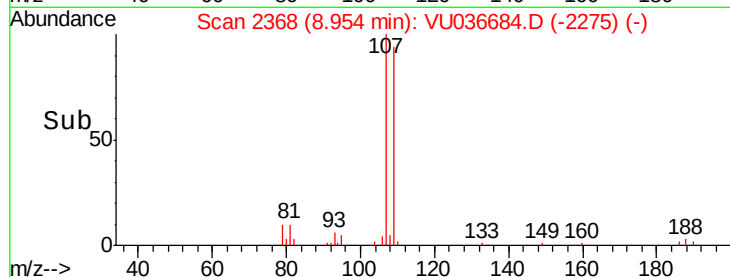
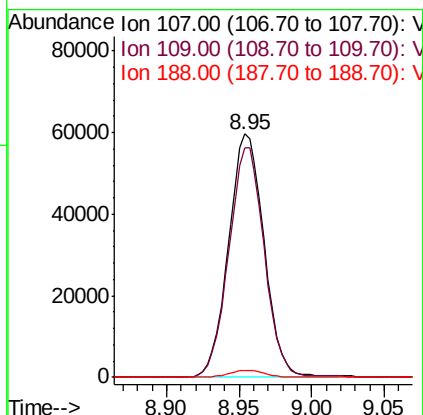
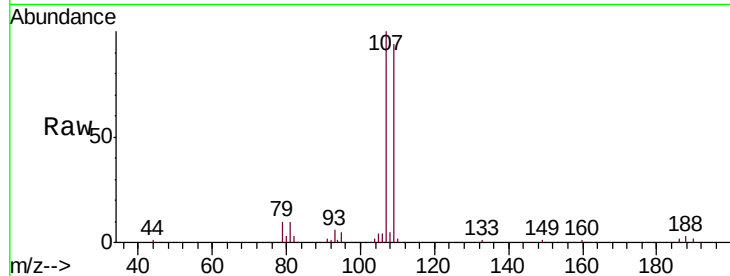




#50
1,2-Dibromoethane
Concen: 53.114 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

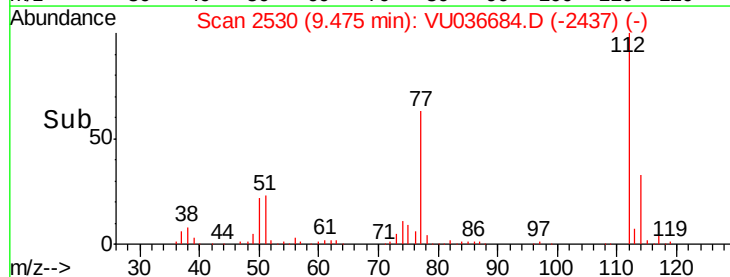
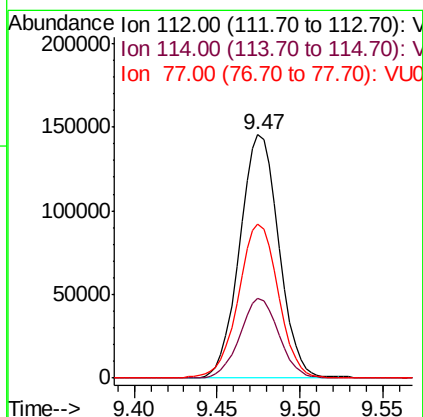
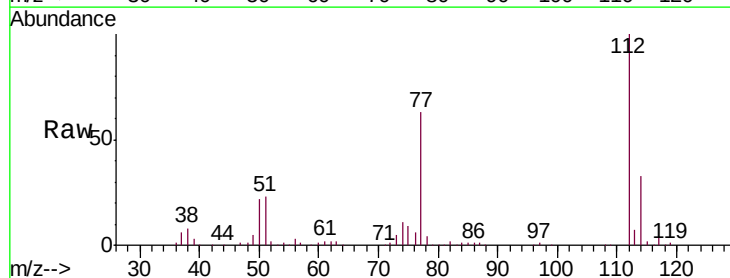
Instrument :
MSVOA_U
ClientSampleId :
VICV106

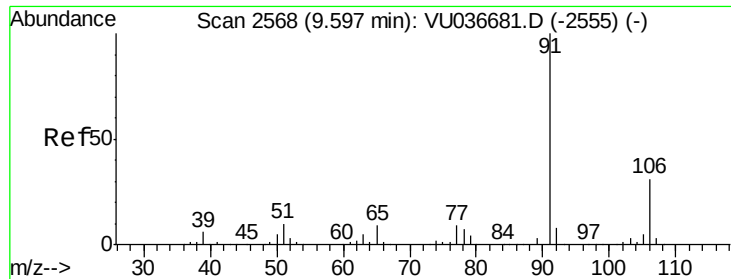
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.8	122.2
188	3.0	2.5	3.7



#51
Chlorobenzene
Concen: 49.721 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.1
77	63.3	50.6	75.8





#52

Ethylbenzene

Concen: 48.923 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

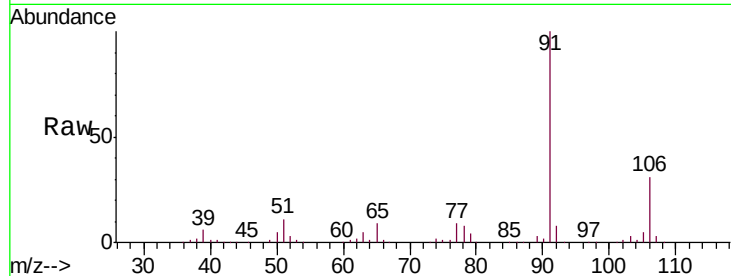
VICV106

Tgt Ion: 91 Resp: 428410

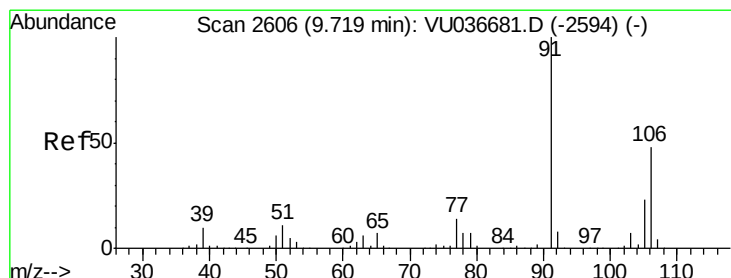
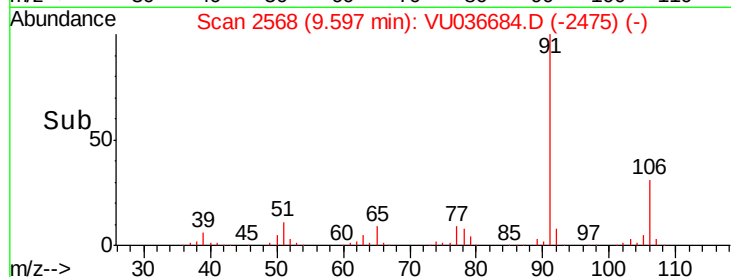
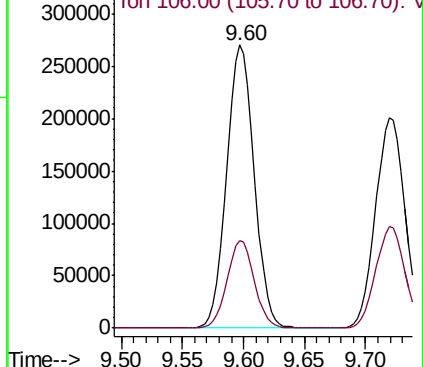
Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036684.D (-2555) (-)



#53

m,p-Xylene

Concen: 49.325 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036684.D

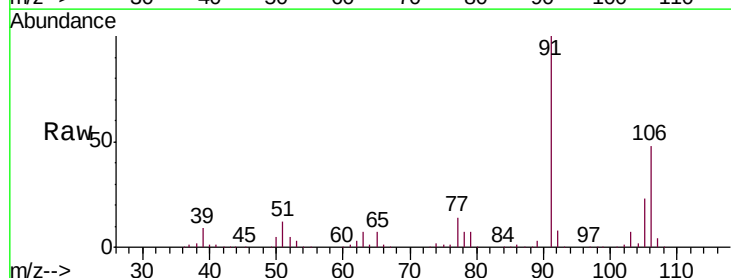
Acq: 06 Feb 2020 13:49

Tgt Ion: 106 Resp: 159337

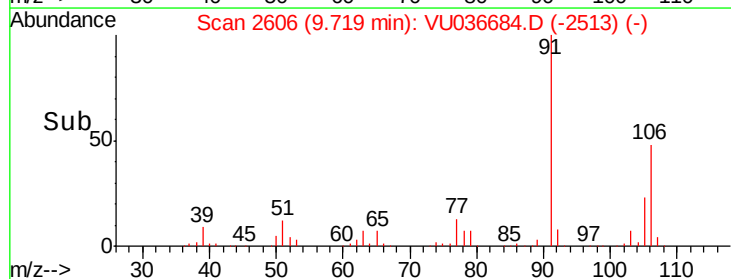
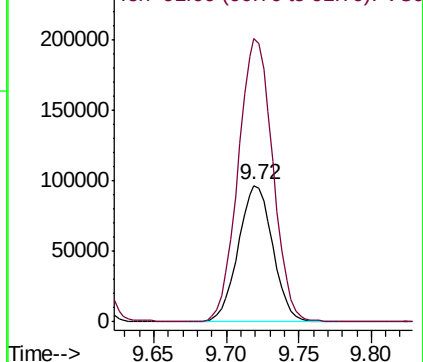
Ion Ratio Lower Upper

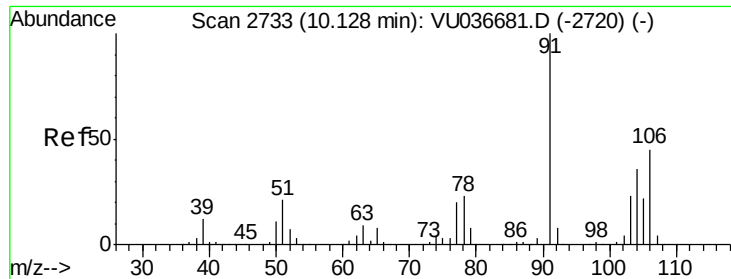
106 100

91 207.8 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036684.D (-2594) (-)





#54

o-xylene

Concen: 49.803 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

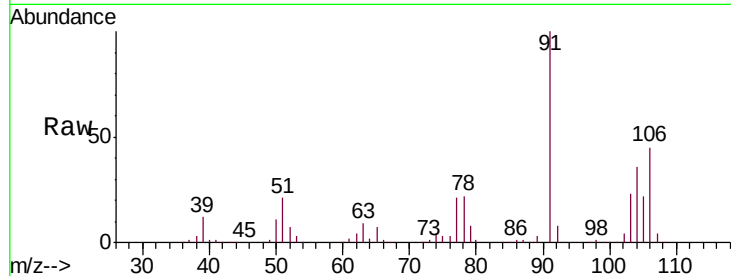
VICV106

Tgt Ion:106 Resp: 159376

Ion Ratio Lower Upper

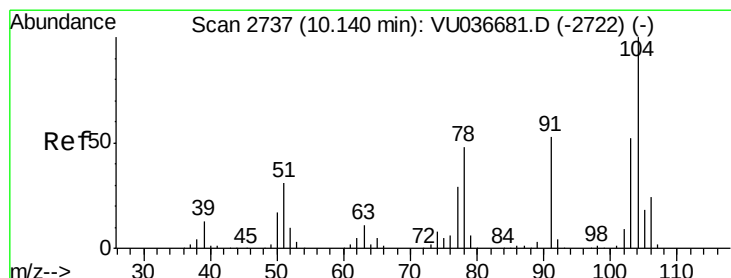
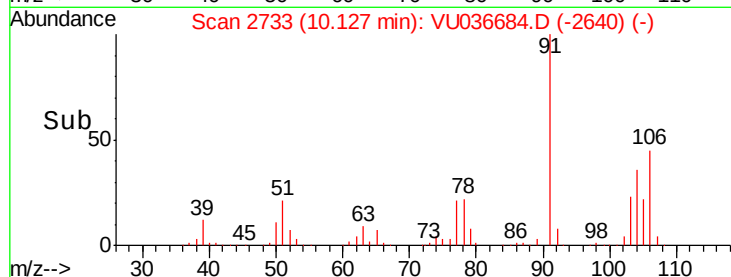
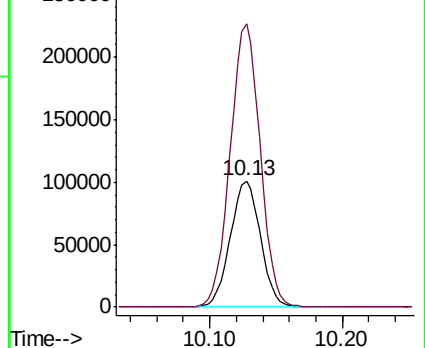
106 100

91 224.6 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.530 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036684.D

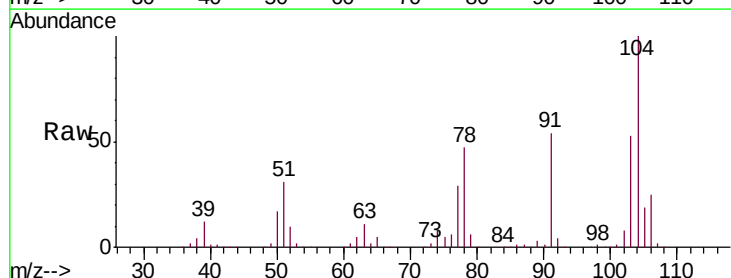
Acq: 06 Feb 2020 13:49

Tgt Ion:104 Resp: 274827

Ion Ratio Lower Upper

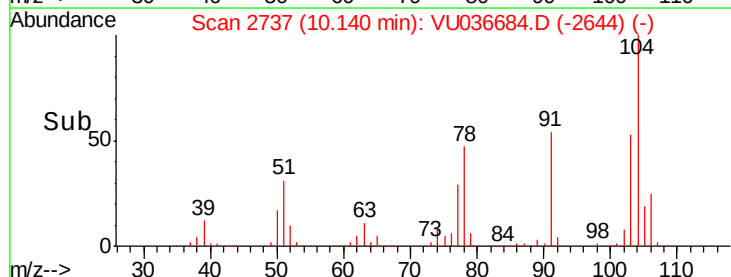
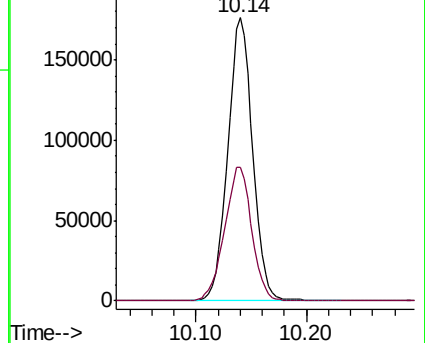
104 100

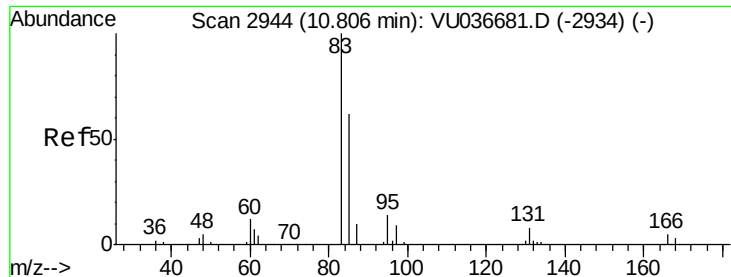
78 47.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

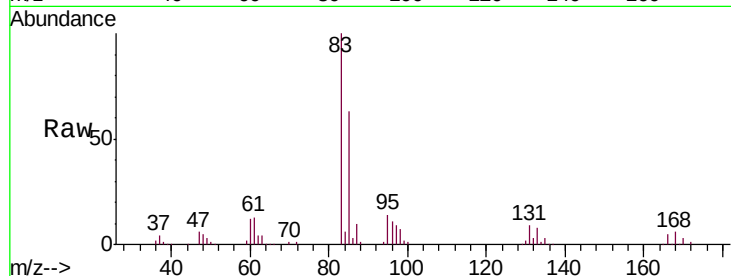




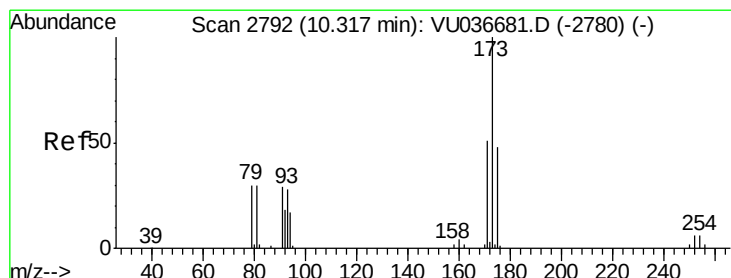
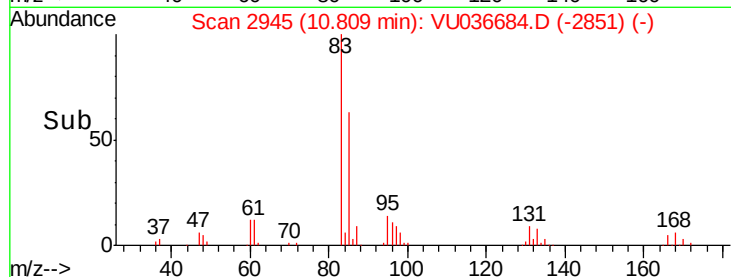
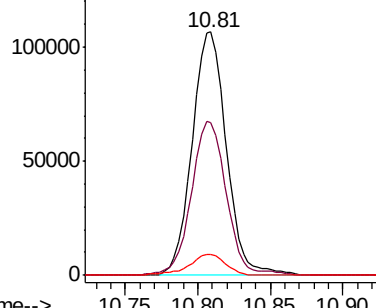
#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.502 ug/L
 RT: 10.81 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

Tgt Ion: 83 Resp: 174912
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 82.9
 131 8.7 6.8 10.2

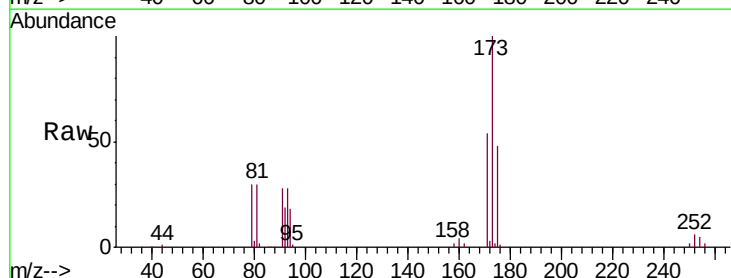


Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 131.00 (130.70 to 131.70): V

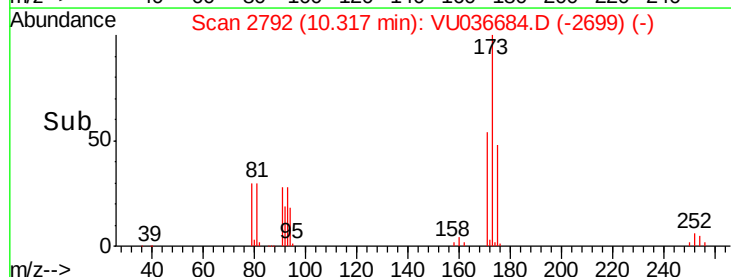
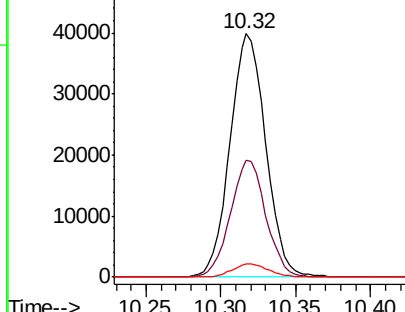


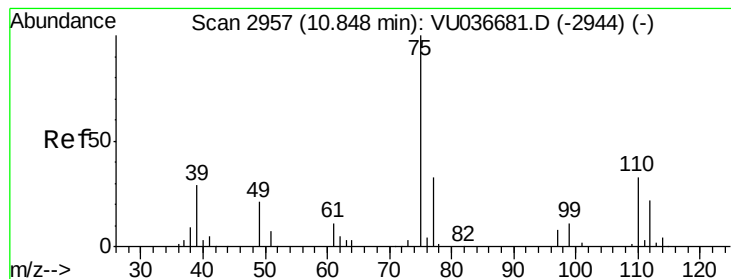
#59
 Bromoform
 Concen: 55.046 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion: 173 Resp: 66330
 Ion Ratio Lower Upper
 173 100
 175 47.2 38.2 57.4
 254 5.4 4.8 7.2



Abundance Ion 173.00 (172.70 to 173.70): V
 Ion 175.00 (174.70 to 175.70): V
 Ion 254.00 (253.70 to 254.70): V





#60

1,2,3-Trichloropropane

Concen: 54.747 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

Instrument :

MSVOA_U

ClientSampled :

VICV106

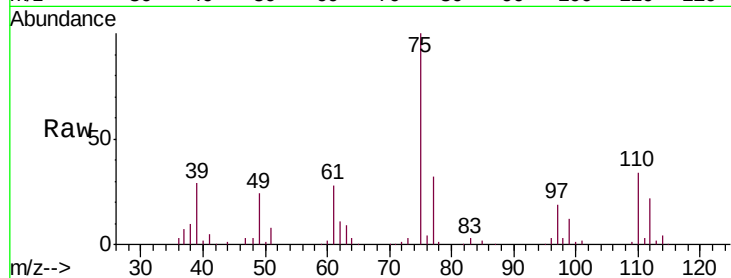
Tgt Ion: 75 Resp: 140459

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

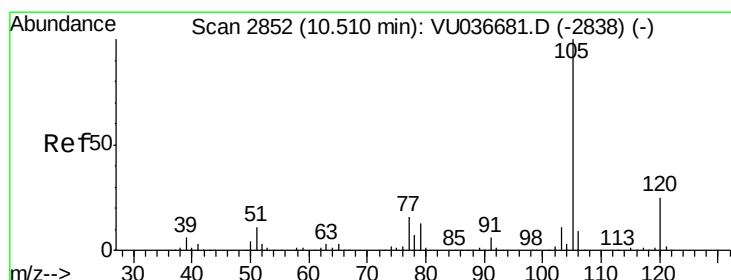
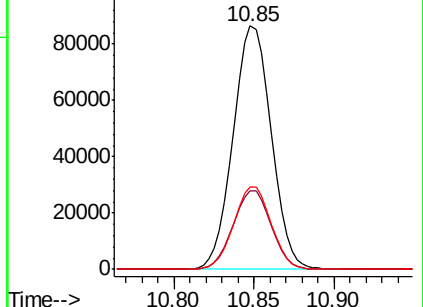
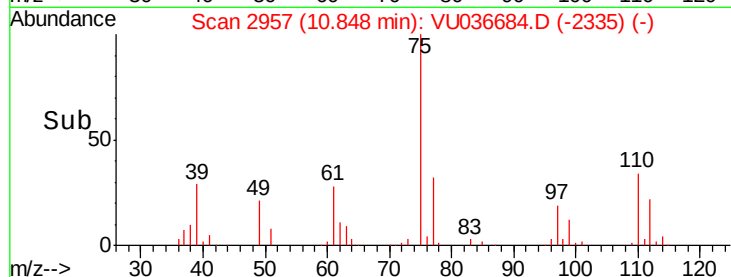
110 33.3 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU036681.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036681.D (-2944) (-)

Ion 110.00 (109.70 to 110.70): VU036681.D (-2944) (-)



#61

Isopropylbenzene

Concen: 49.896 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036684.D

Acq: 06 Feb 2020 13:49

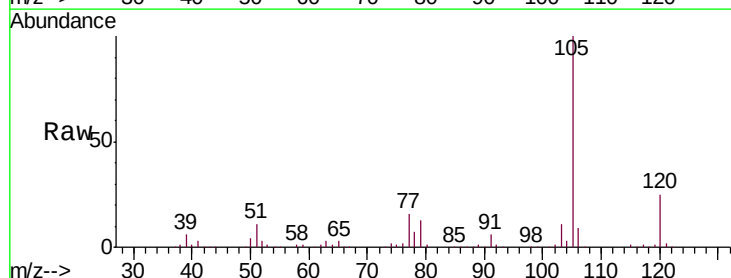
Tgt Ion: 105 Resp: 405230

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

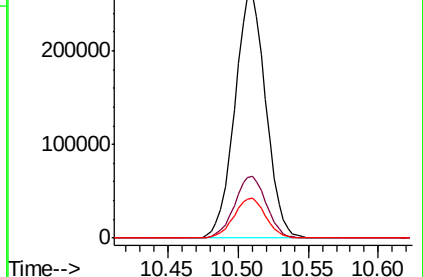
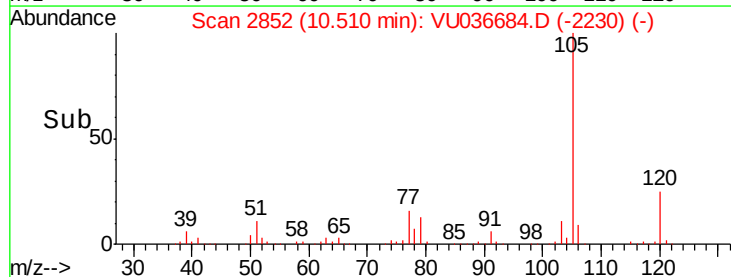
77 16.6 13.0 19.6

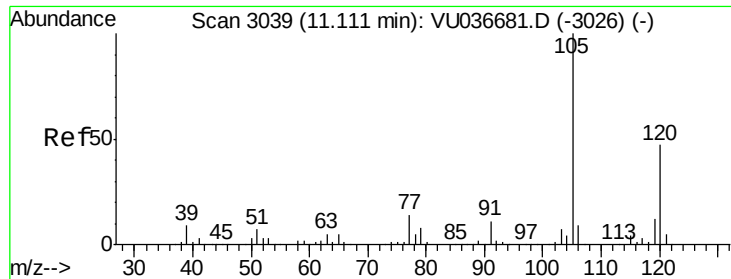


Abundance Ion 105.00 (104.70 to 105.70): VU036681.D (-2838) (-)

Ion 120.00 (119.70 to 120.70): VU036681.D (-2838) (-)

Ion 77.00 (76.70 to 77.70): VU036681.D (-2838) (-)

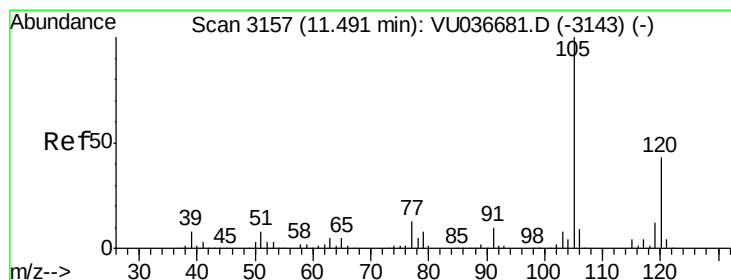
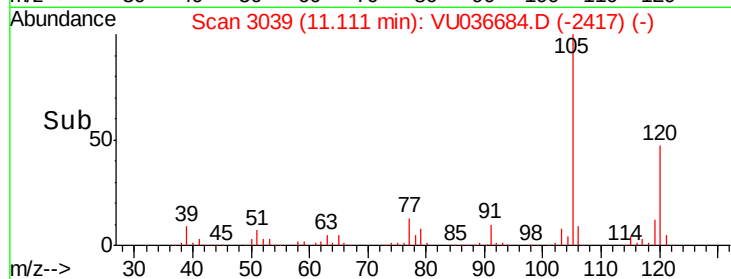
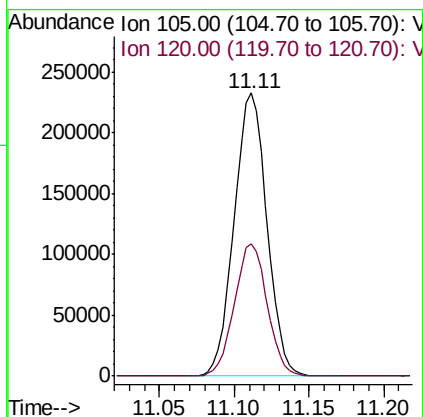
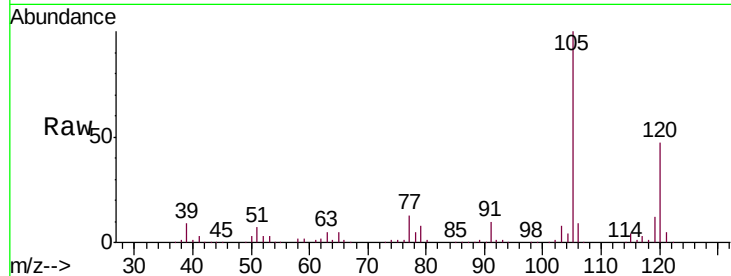




#62
 1,3,5-Trimethylbenzene
 Concen: 50.983 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

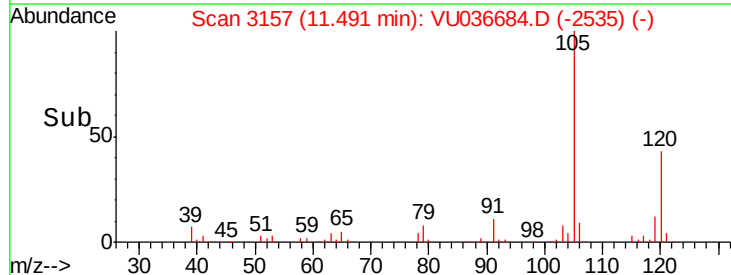
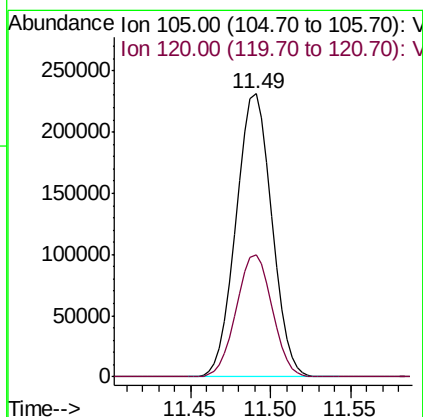
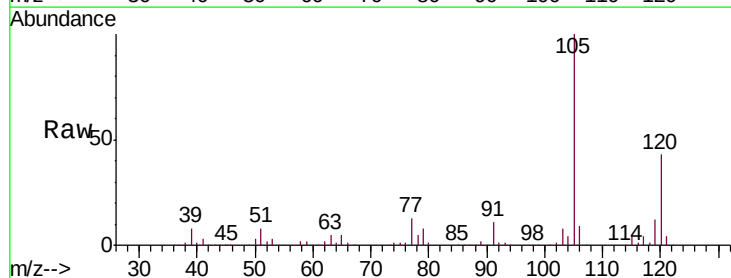
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

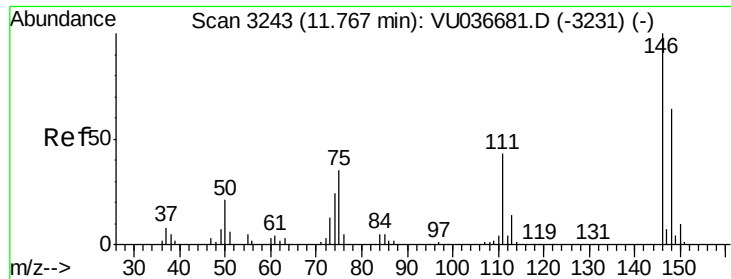
Tgt Ion:105 Resp: 354994
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 50.587 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion:105 Resp: 351725
 Ion Ratio Lower Upper
 105 100
 120 43.4 34.7 52.1

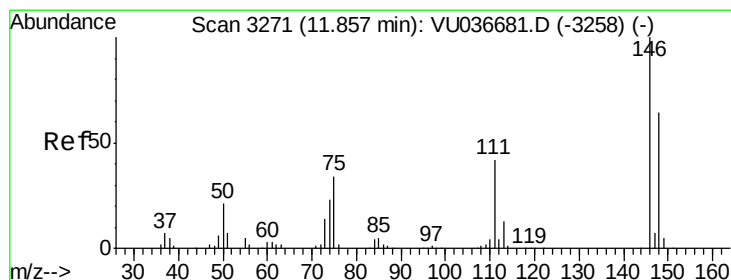
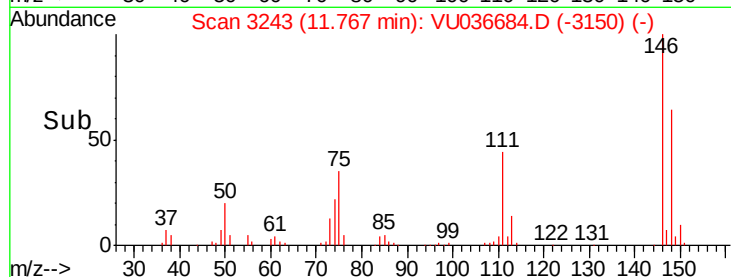
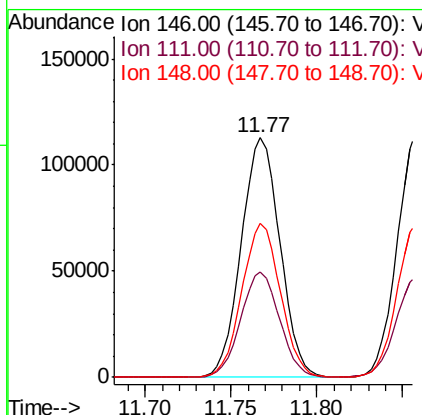
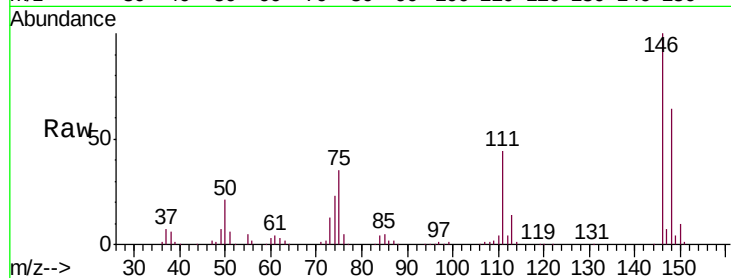




#64
 1,3-Dichlorobenzene
 Concen: 51.888 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

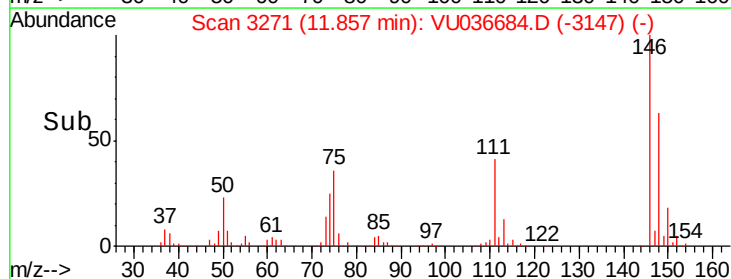
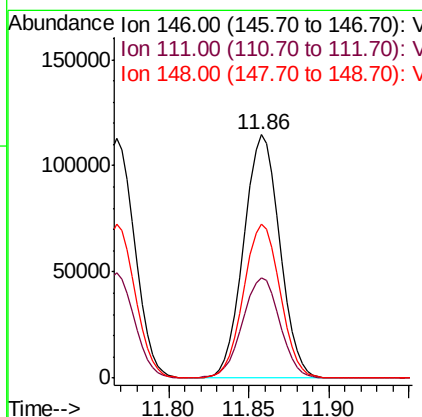
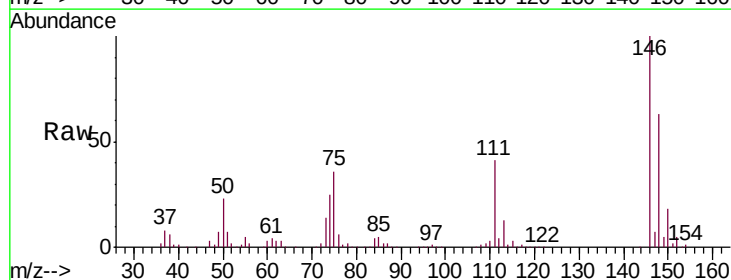
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

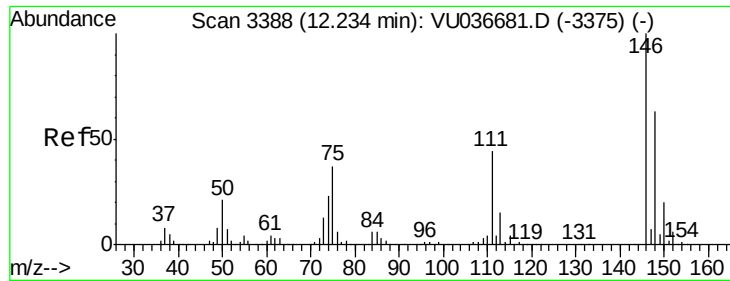
Tgt Ion:146 Resp: 177217
 Ion Ratio Lower Upper
 146 100
 111 44.0 30.4 56.4
 148 64.0 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 51.290 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion:146 Resp: 176363
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.3 54.3
 148 63.0 44.8 83.2

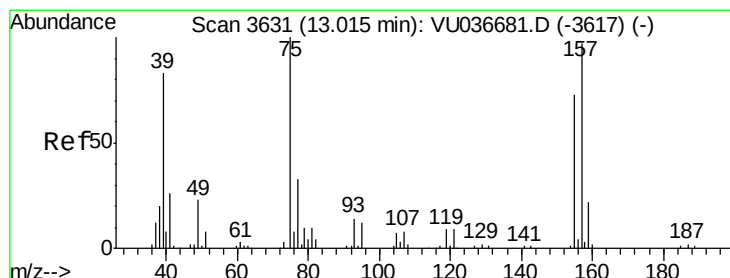
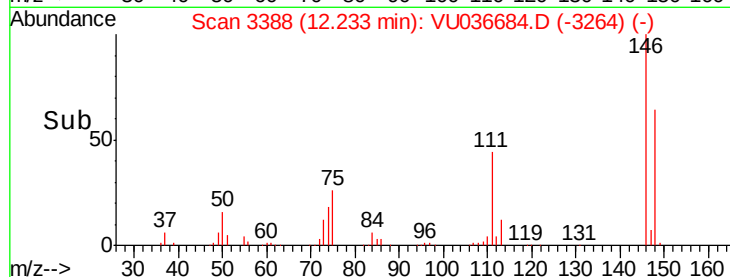
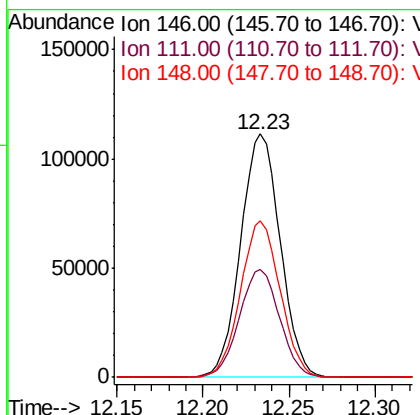
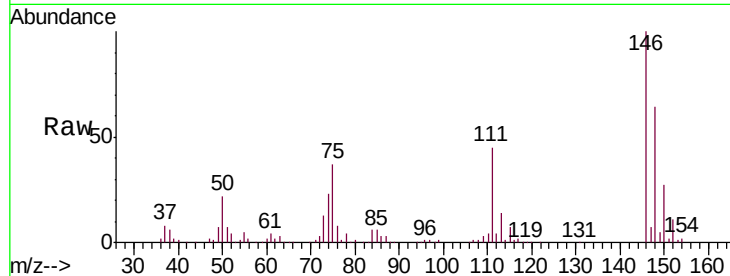




#67
 1,2-Dichlorobenzene
 Concen: 51.564 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

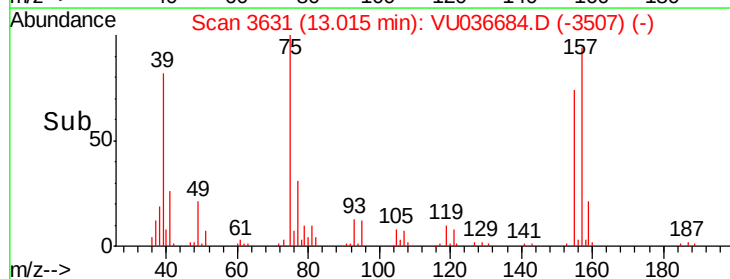
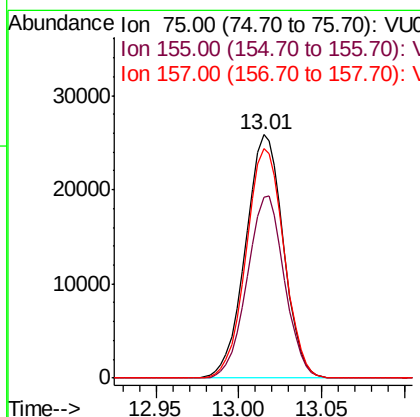
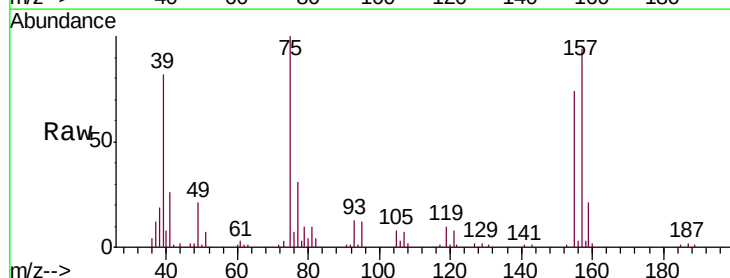
Instrument :
 MSVOA_U
 ClientSampled :
 VICV106

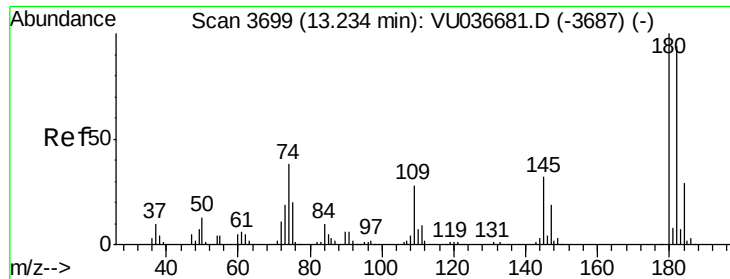
Tgt Ion:146 Resp: 178310
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.4 53.0
 148 64.4 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 55.783 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion: 75 Resp: 40899
 Ion Ratio Lower Upper
 75 100
 155 74.3 58.7 88.1
 157 94.2 77.8 116.6

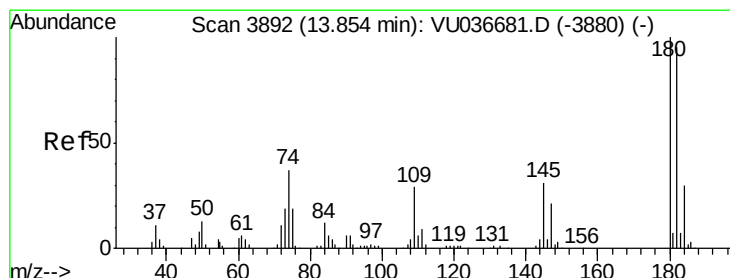
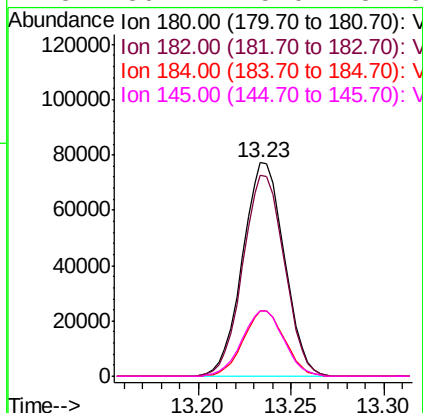
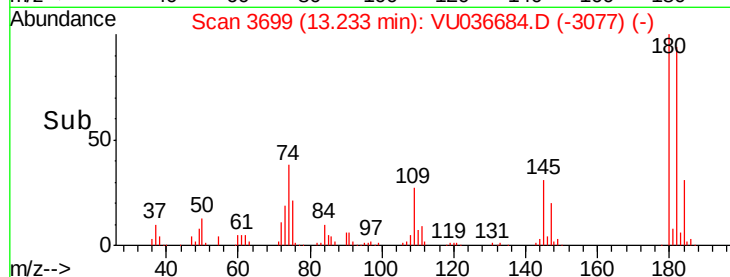
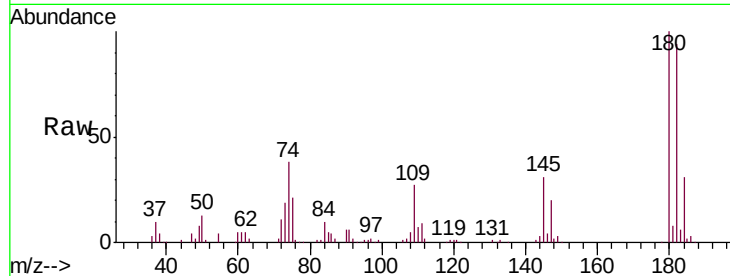




#69
 1,3,5-Trichlorobenzene
 Concen: 51.042 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

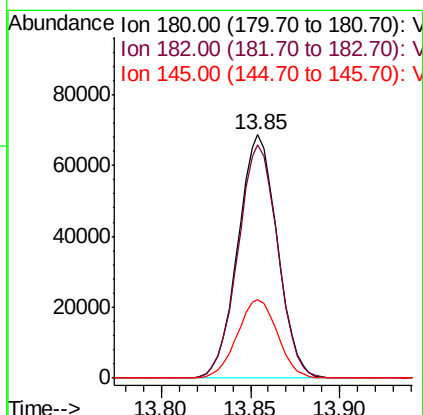
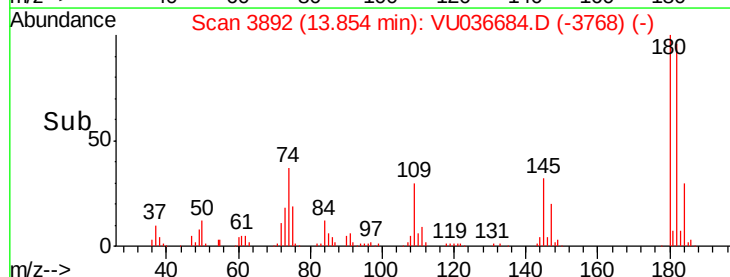
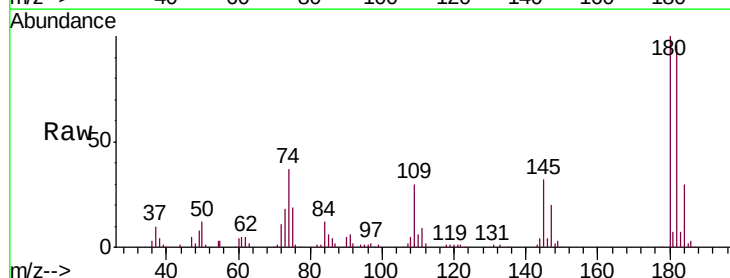
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV106

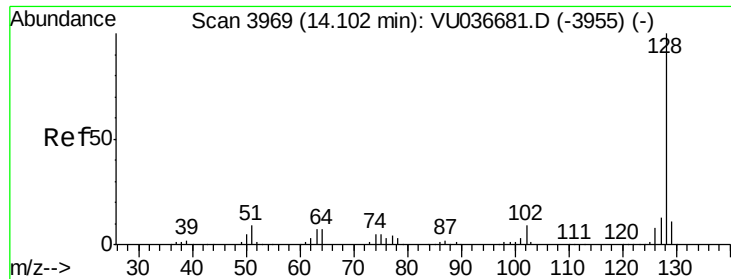
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.4
184	30.3	23.8	35.6
145	30.7	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 53.488 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036684.D
 Acq: 06 Feb 2020 13:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.1	114.1
145	32.9	25.7	38.5

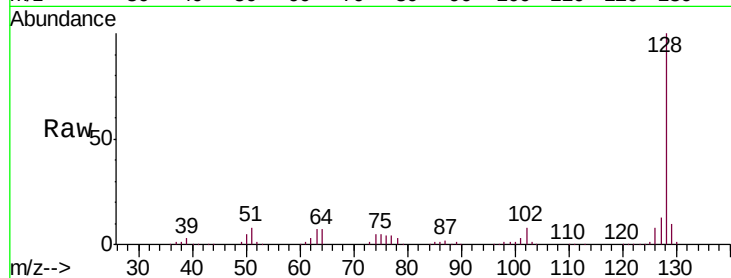




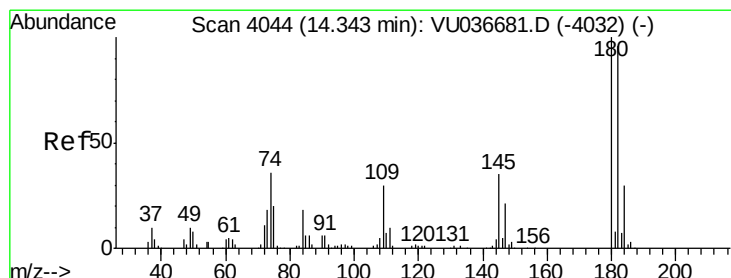
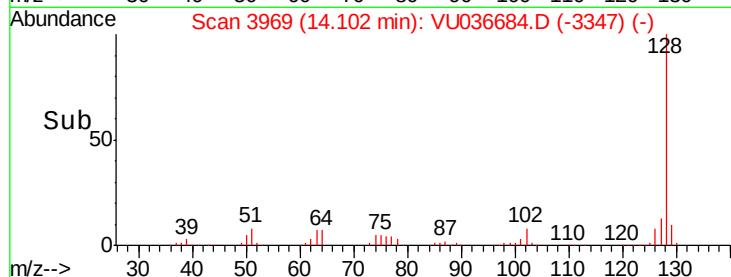
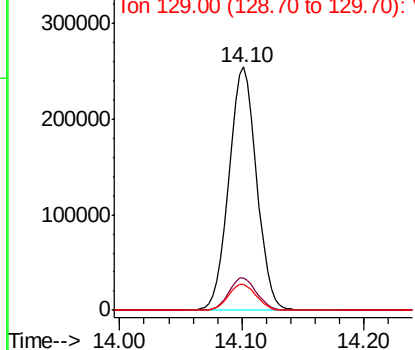
#71
Naphthalene
Concen: 58.059 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

Instrument :
MSVOA_U
ClientSampleId :
VICV106

Tgt Ion:128 Resp: 404168
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.8 8.5 12.7

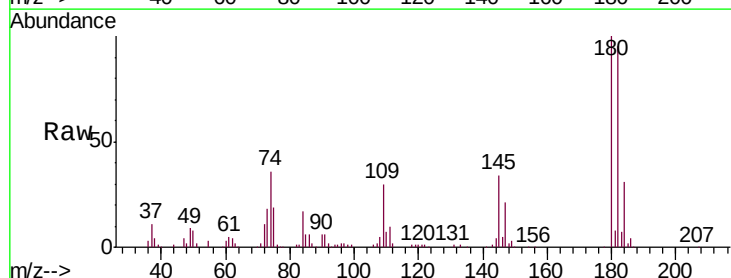


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 53.490 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. -0.00 min
Lab File: VU036684.D
Acq: 06 Feb 2020 13:49

Tgt Ion:180 Resp: 105242
Ion Ratio Lower Upper
180 100
182 95.0 76.8 115.2
145 34.8 27.5 41.3



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

