

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025936.D
 Acq On : 07 Aug 2018 12:01
 Operator : MD/SY
 Sample : VSTD10043
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:27:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 01:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	385513	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	370772	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	206935	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	223974	104.84	ug/L	0.00
7) Chloroethane-d5	1.67	69	165032	103.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	413183	99.86	ug/L	0.00
21) 2-Butanone-d5	4.18	46	317567	216.04	ug/L	0.00
24) Chloroform-d	4.65	84	427940	103.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	276634	101.34	ug/L	0.00
32) Benzene-d6	5.35	84	846580	103.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	263955	103.88	ug/L	0.00
41) Toluene-d8	7.57	98	827100	104.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	143719	107.86	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	234579	221.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	372880	105.93	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	350348	102.48	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	290889	99.194	ug/L	100
3) Chloromethane	1.33	50	249899	101.283	ug/L	99
5) Vinyl chloride	1.40	62	267894	100.672	ug/L	100
6) Bromomethane	1.62	94	137895	117.010	ug/L	98
8) Chloroethane	1.70	64	154801	100.463	ug/L	98
9) Trichlorofluoromethane	1.89	101	383396	100.010	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	205896	97.167	ug/L	99
12) 1,1-Dichloroethene	2.28	96	194095	99.744	ug/L	94
13) Acetone	2.32	43	297209	170.804	ug/L	99
14) Carbon disulfide	2.48	76	688787	99.350	ug/L	99
15) Methyl Acetate	2.62	43	269696	101.502	ug/L	99
16) Methylene chloride	2.70	84	249958	98.568	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	236253	98.461	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	769263	100.839	ug/L	99
19) 1,1-Dichloroethane	3.45	63	437346	100.496	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	270843	101.032	ug/L	96
22) 2-Butanone	4.27	43	414910	190.720	ug/L	99
23) Bromochloromethane	4.55	128	139623	99.200	ug/L	99
25) Chloroform	4.68	83	461571	100.118	ug/L	99
27) 1,2-Dichloroethane	5.41	62	372919	101.438	ug/L	98
29) Cyclohexane	5.00	56	395146	101.129	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	415955	98.558	ug/L	100
31) Carbon tetrachloride	5.14	117	384385	101.849	ug/L	99
33) Benzene	5.39	78	969279	100.012	ug/L	100
34) Trichloroethene	6.19	95	260242	96.491	ug/L	98
35) Methylcyclohexane	6.42	83	419791	102.833	ug/L	99
37) 1,2-Dichloropropane	6.44	63	260425	100.577	ug/L	100
38) Bromodichloromethane	6.76	83	355249	100.930	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	438168	103.895	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	726121	205.661	ug/L	100

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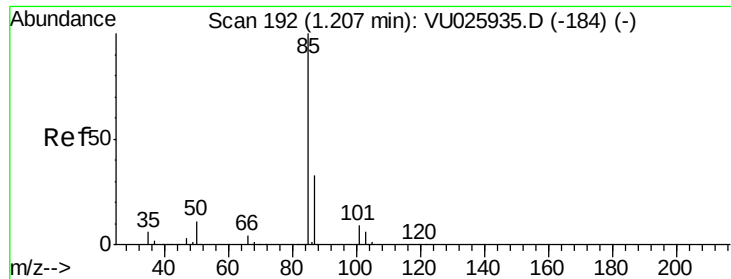
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 01:27:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 01:25:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	1077366	101.863	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	416161	104.399	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	250626	101.334	ug/L	99
46) Tetrachloroethene	8.23	164	232695	100.383	ug/L	99
48) 2-Hexanone	8.36	43	579892	203.583	ug/L	99
49) Dibromochloromethane	8.48	129	316793	104.279	ug/L	99
50) 1,2-Dibromoethane	8.59	107	283975	102.356	ug/L	100
51) Chlorobenzene	9.12	112	725792	100.215	ug/L	98
52) Ethylbenzene	9.25	91	1219090	101.312	ug/L	99
53) m,p-Xylene	9.38	106	480164	101.722	ug/L	98
54) o-xylene	9.78	106	466836	103.861	ug/L	98
55) Styrene	9.80	104	804444	106.217	ug/L	99
56) Isopropylbenzene	10.17	105	1225412	102.577	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	416989	100.282	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	334422	101.479	ug/L	100
61) Bromoform	9.96	173	245244	103.781	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	608146	98.228	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	620800	98.422	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	613039	98.753	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	98126	104.013	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	467680	102.516	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	424591	107.238	ug/L	99
69) Naphthalene	13.74	128	1295661	111.353	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	421656	103.944	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 99.194 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

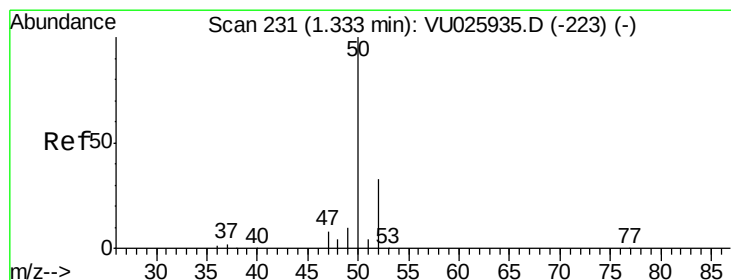
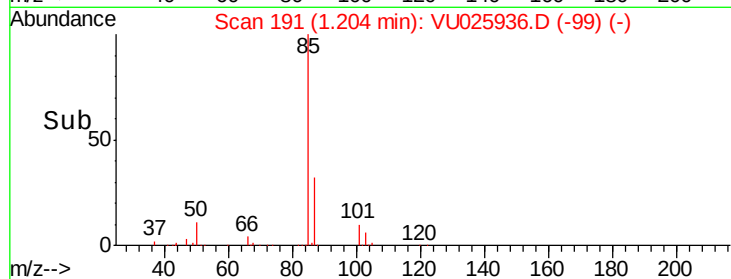
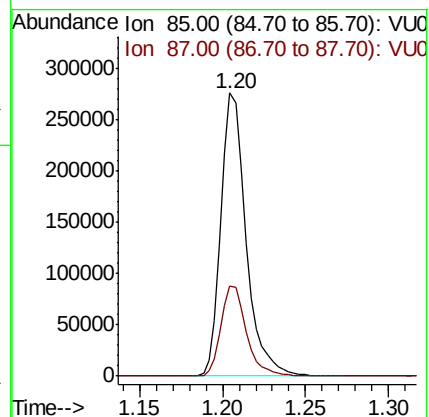
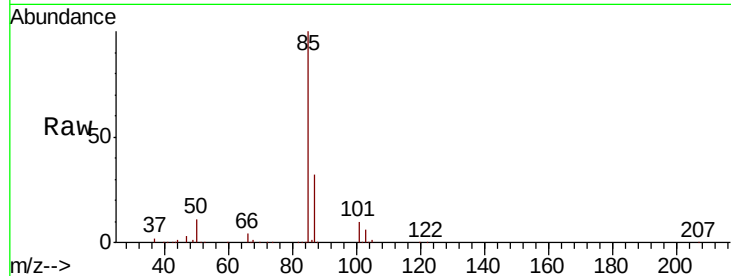
ClientSampleId :

Tot Ion: 85 Resp: 290889

Ion Ratio Lower Upper

85 100

87 32.3 26.0 39.0



#3

Chloromethane

Concen: 101.283 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025936.D

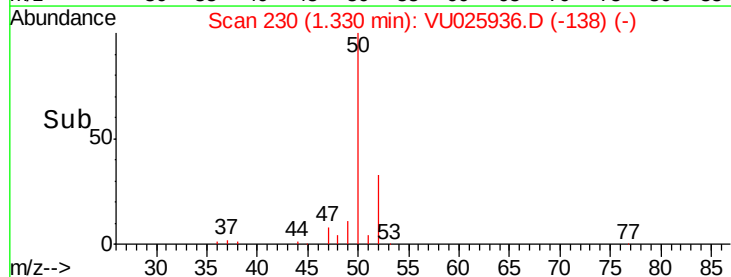
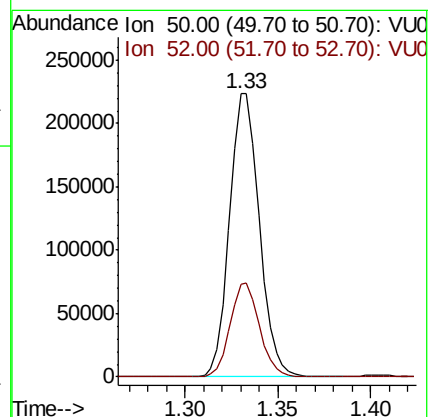
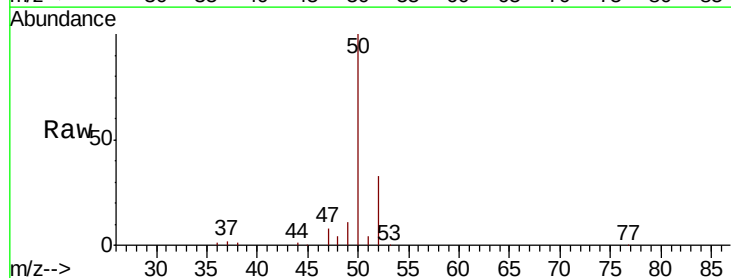
Acq: 07 Aug 2018 12:01

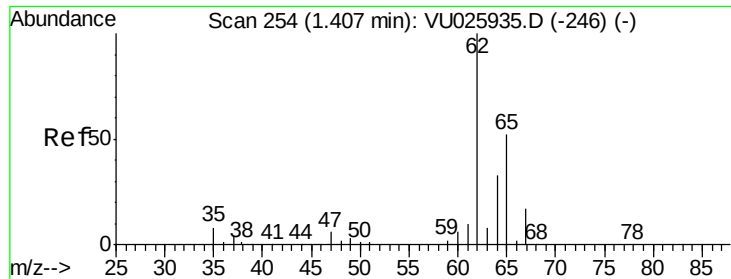
Tgt Ion: 50 Resp: 249899

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9





#5

Vinyl chloride

Concen: 100.672 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

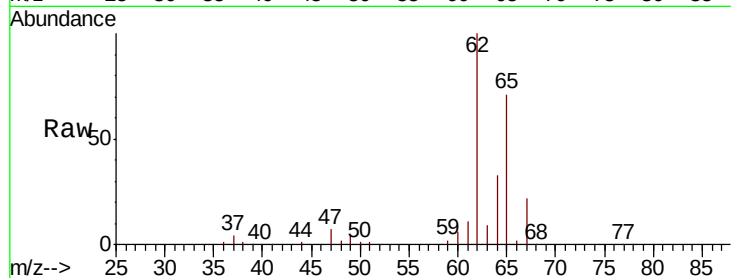
ClientSampled :

Tot Ion: 62 Resp: 267894

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

250000

200000

150000

100000

50000

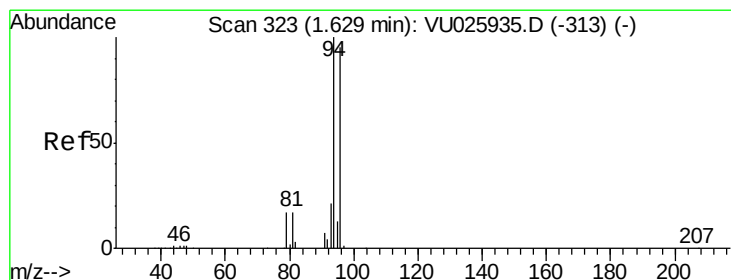
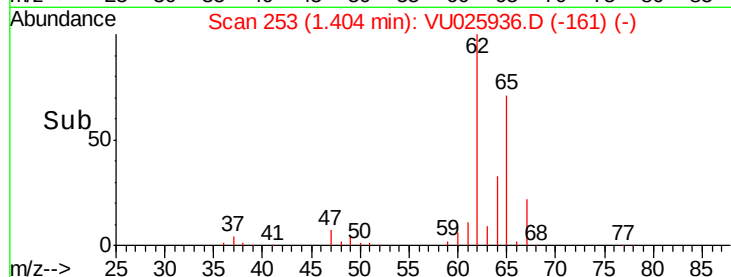
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 117.010 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.01 min

Lab File: VU025936.D

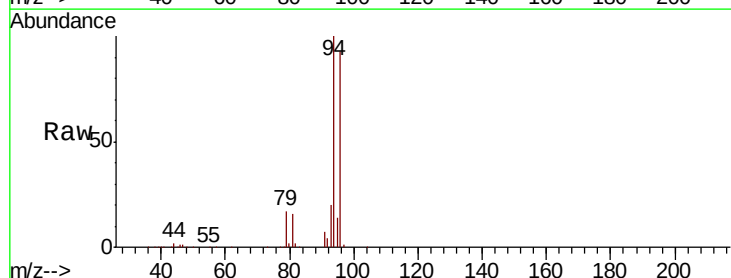
Acq: 07 Aug 2018 12:01

Tgt Ion: 94 Resp: 137895

Ion Ratio Lower Upper

94 100

96 92.7 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

120000

100000

80000

60000

40000

20000

0

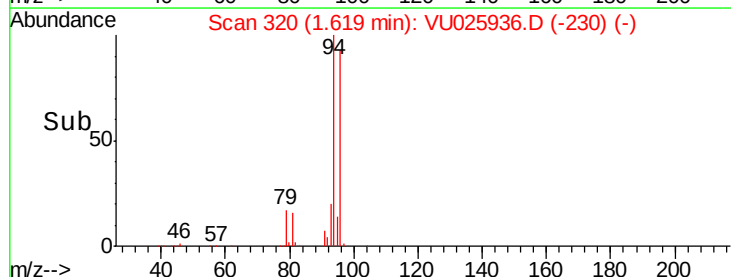
1.55

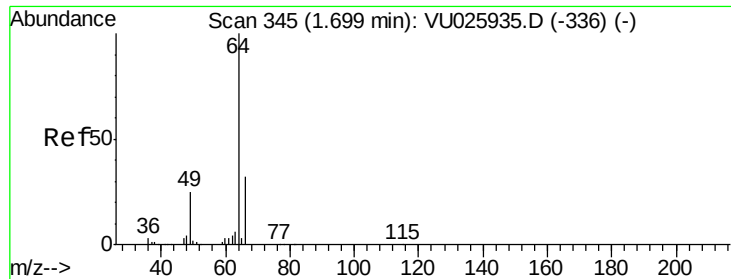
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 100.463 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

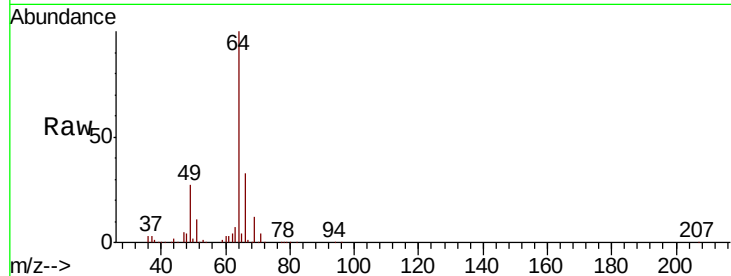
ClientSampleId :

Tot Ion: 64 Resp: 154801

Ion Ratio Lower Upper

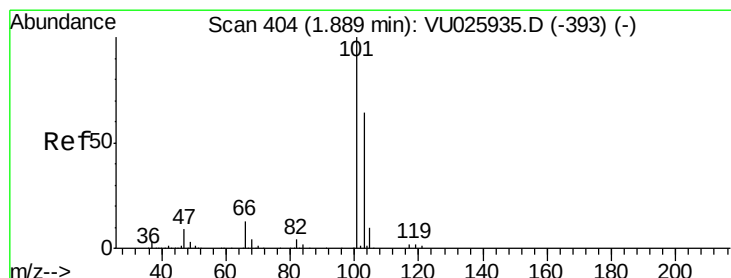
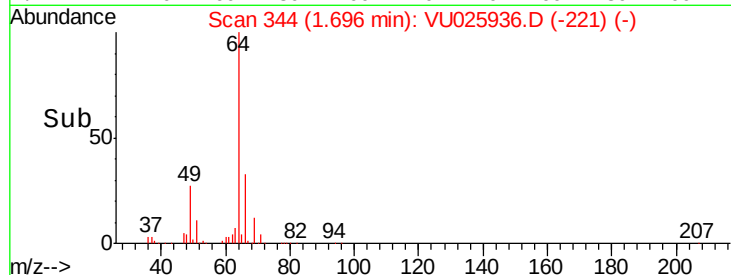
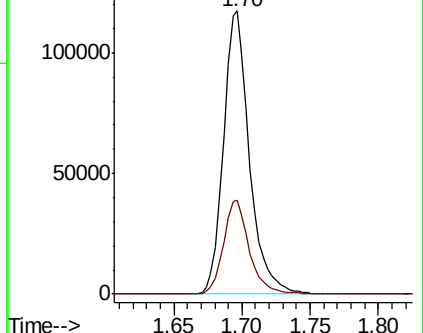
64 100

66 33.2 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU025936.D (-221) (-)

Ion 66.00 (65.70 to 66.70): VU025936.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 100.010 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025936.D

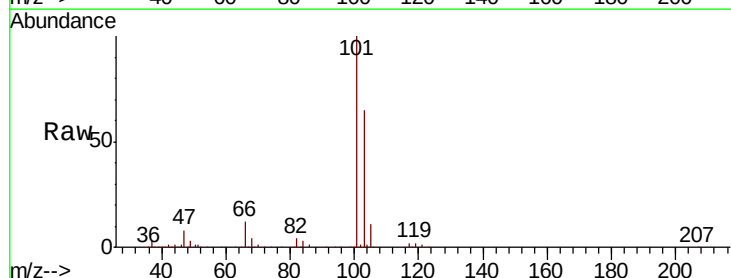
Acq: 07 Aug 2018 12:01

Tgt Ion:101 Resp: 383396

Ion Ratio Lower Upper

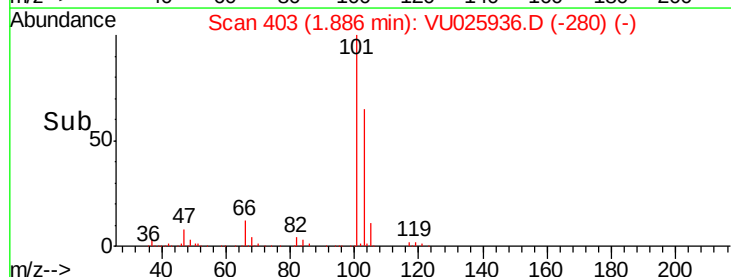
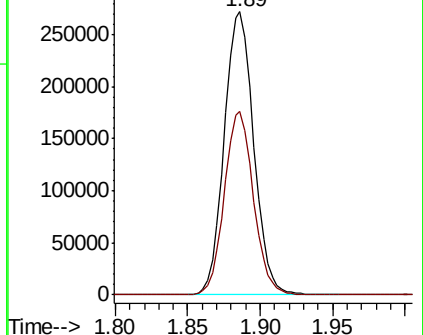
101 100

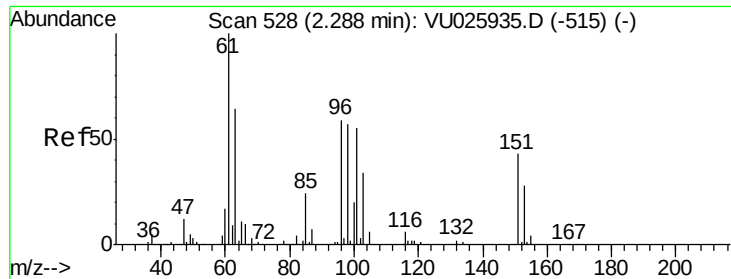
103 63.8 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU025936.D (-280) (-)

Ion 103.00 (102.70 to 103.70): VU025936.D (-280) (-)





#10

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

Concen: 97.167 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

ClientSampleId :

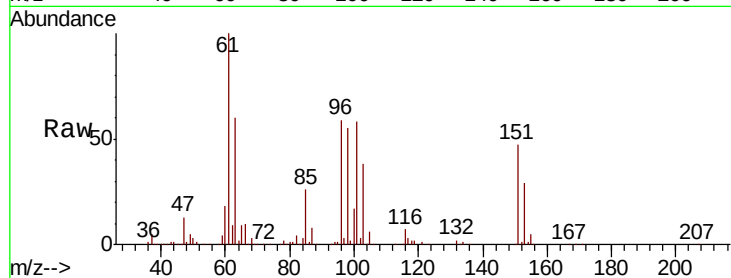
Tot Ion:101 Resp: 205896

Ion Ratio Lower Upper

101 100

85 44.3 34.6 51.8

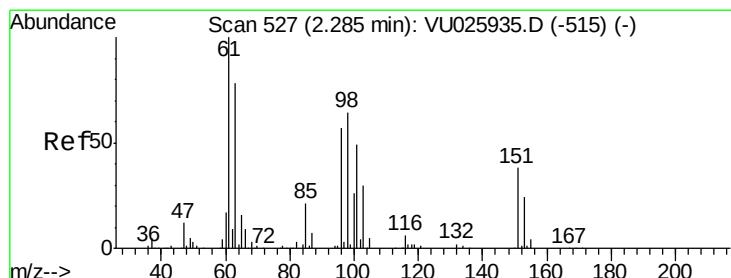
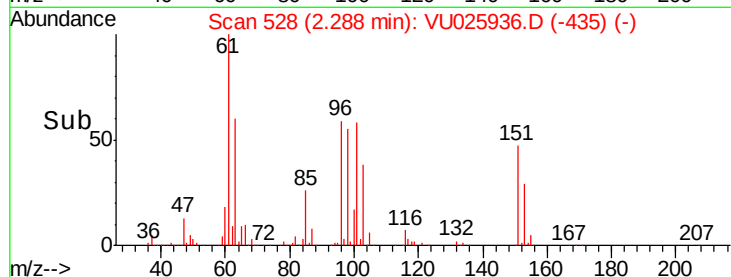
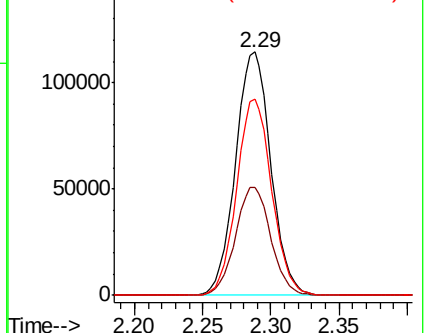
151 80.0 64.3 96.5



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: 99.744 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

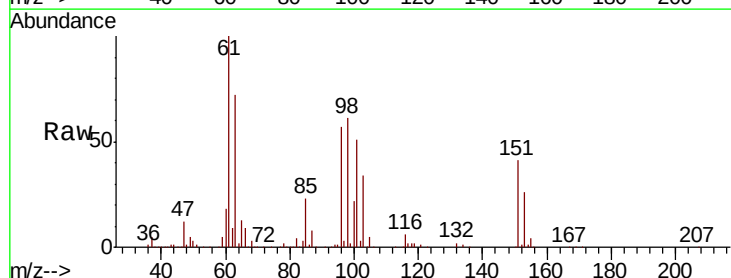
Tgt Ion: 96 Resp: 194095

Ion Ratio Lower Upper

96 100

61 174.0 123.0 228.4

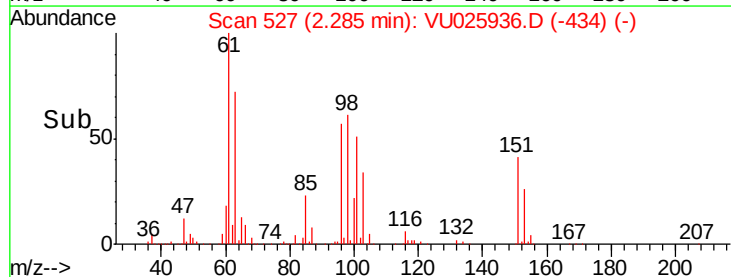
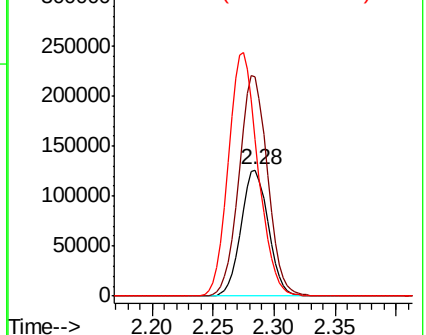
63 124.4 97.2 180.4

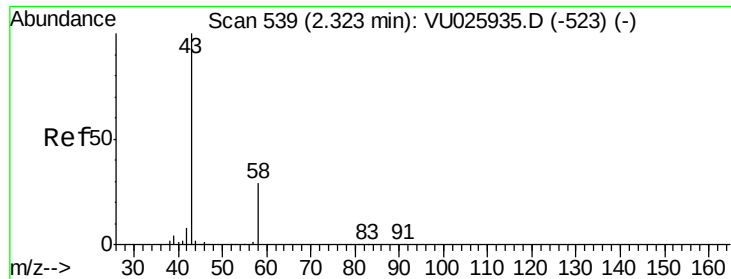


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 170.804 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

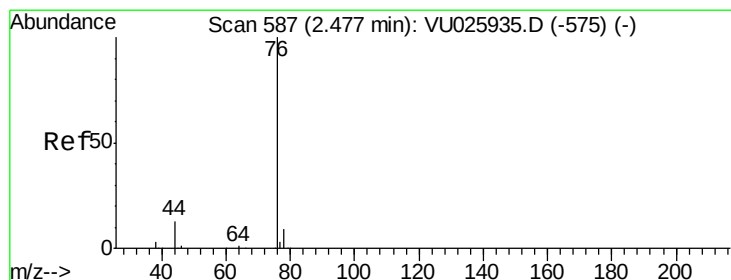
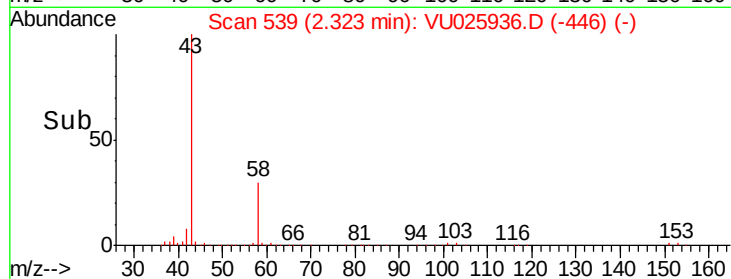
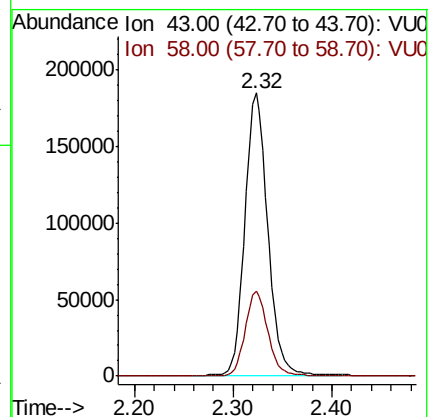
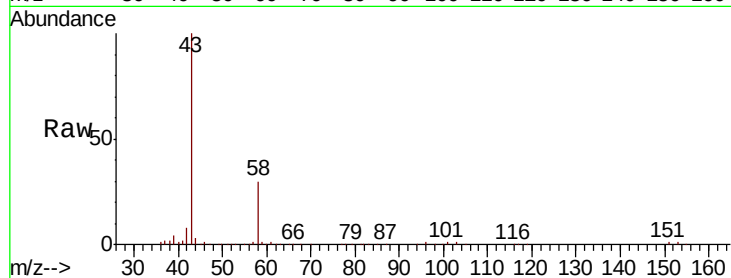
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 297209

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.2



#14

Carbon disulfide

Concen: 99.350 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025936.D

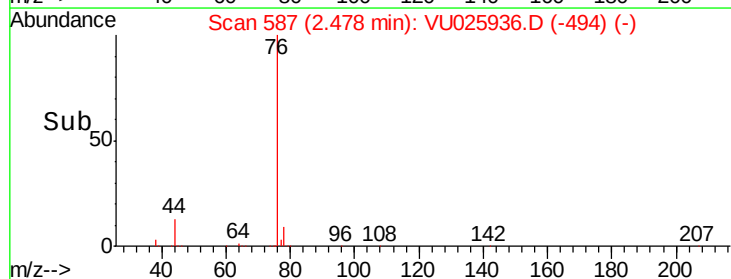
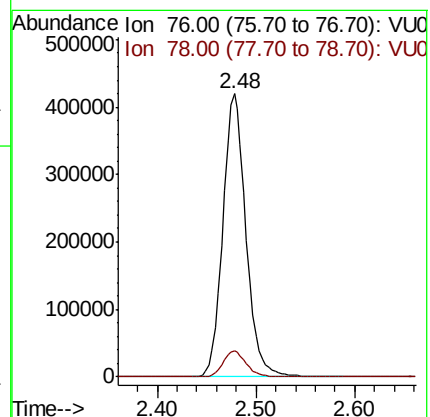
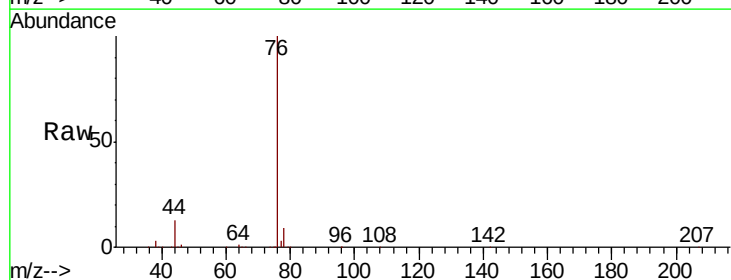
Acq: 07 Aug 2018 12:01

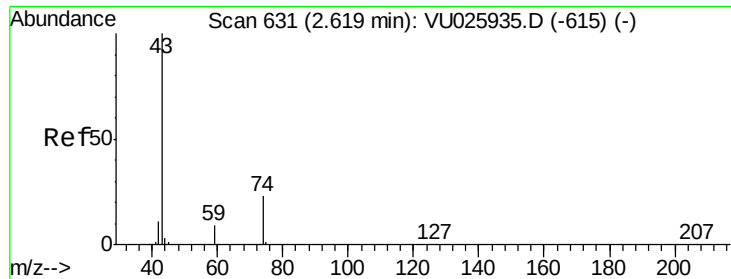
Tgt Ion: 76 Resp: 688787

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

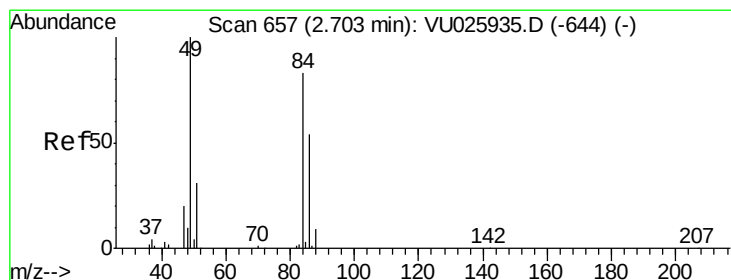
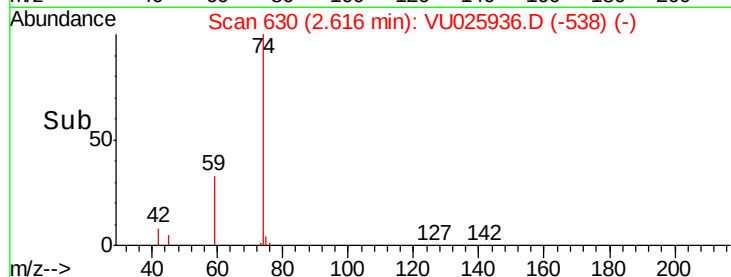
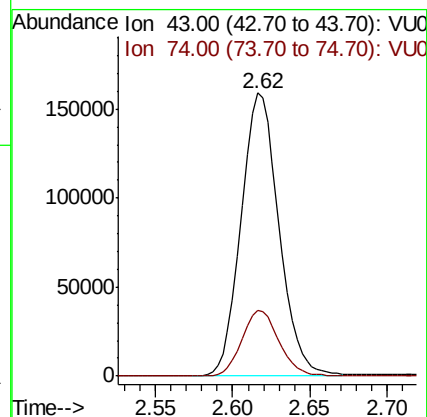
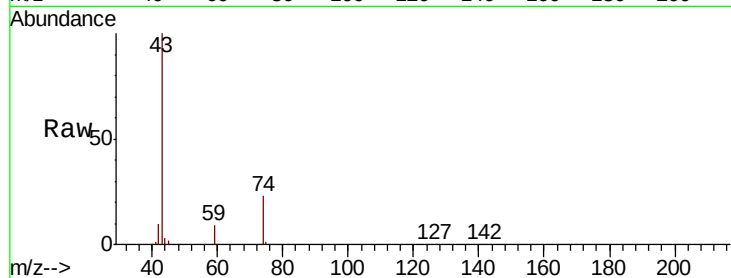




#15
Methvl Acetate
Concen: 101.502 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025936.D
Acq: 07 Aug 2018 12:01

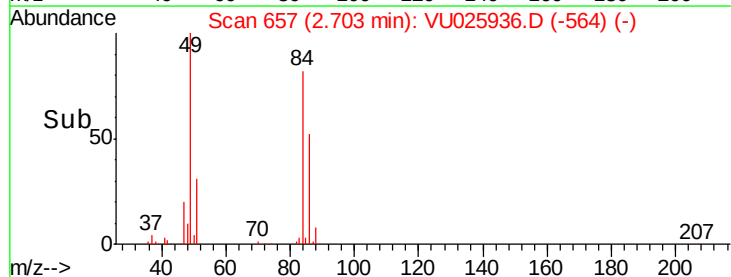
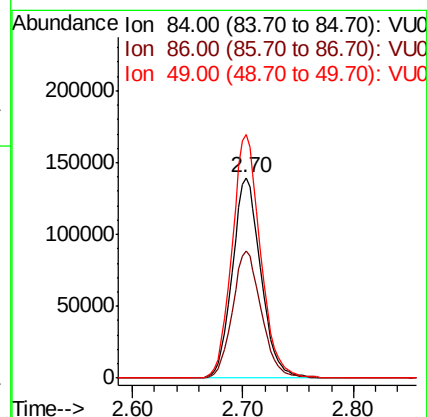
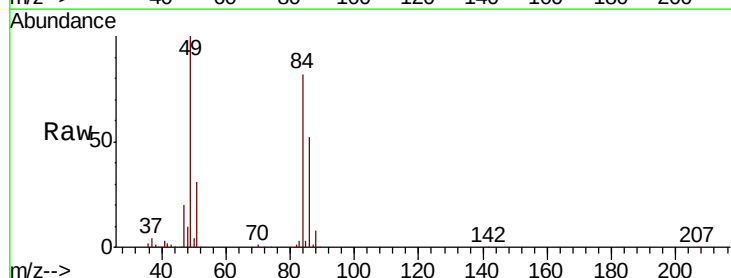
Instrument :
MSVOA_U
ClientSampleId :

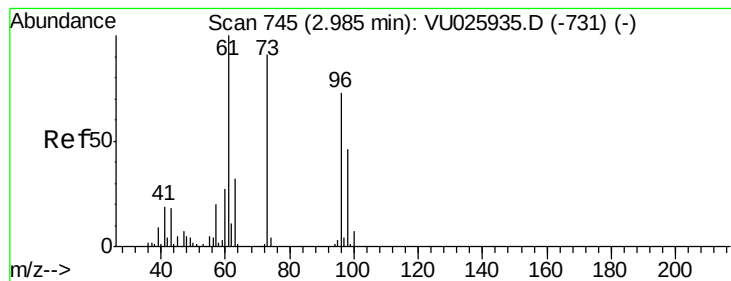
Tot Ion: 43 Resp: 269696
Ion Ratio Lower Upper
43 100
74 22.9 18.8 28.2



#16
Methylene chloride
Concen: 98.568 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025936.D
Acq: 07 Aug 2018 12:01

Tgt Ion: 84 Resp: 249958
Ion Ratio Lower Upper
84 100
86 63.3 45.2 84.0
49 121.5 84.4 156.7





#17

trans-1,2-Dichloroethene

Concen: 98.461 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :
MSVOA_U
ClientSampleId :

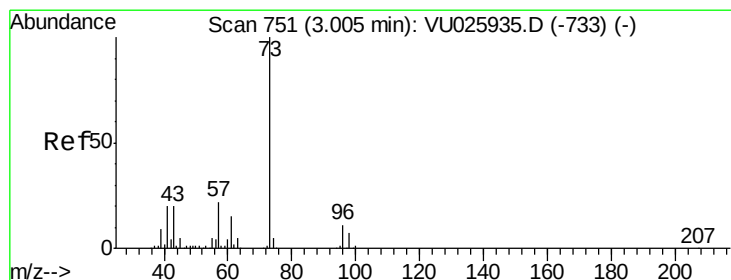
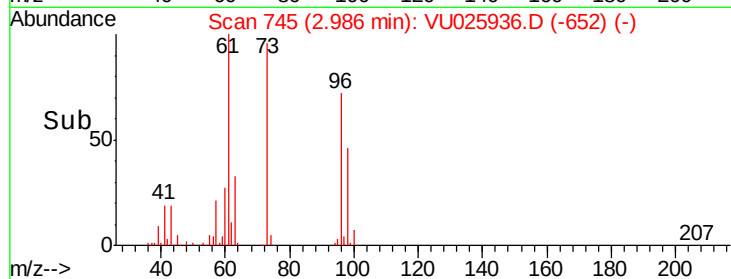
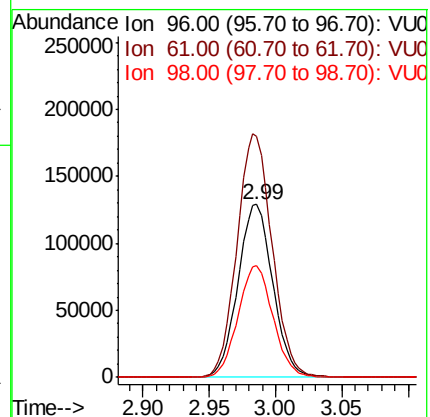
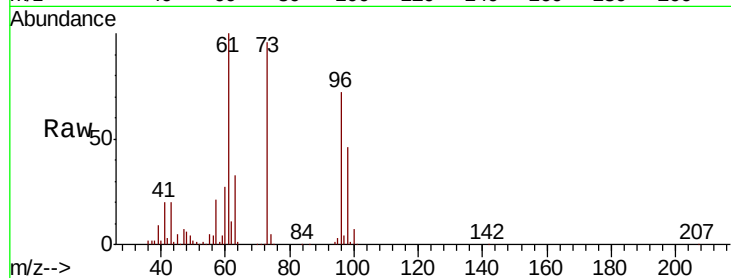
Tot Ion: 96 Resp: 236253

Ion Ratio Lower Upper

96 100

61 139.6 96.2 178.6

98 64.4 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 100.839 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

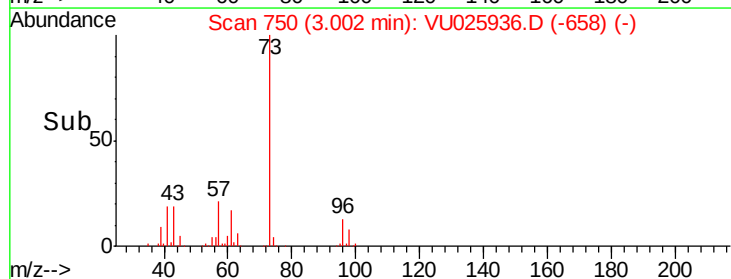
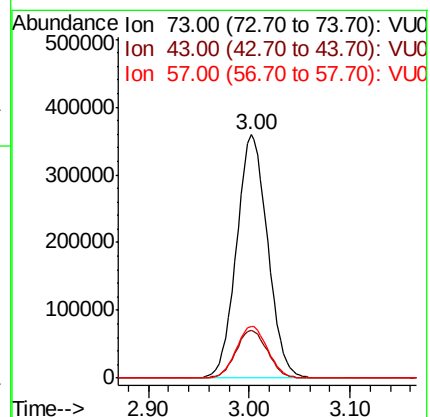
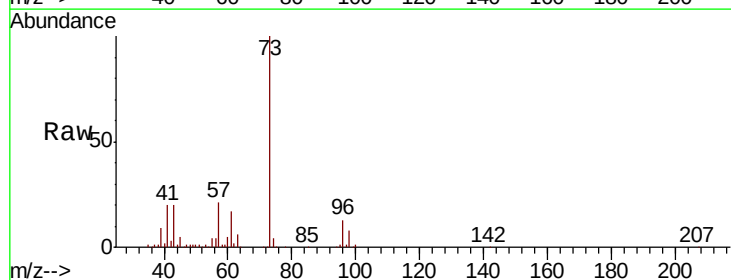
Tgt Ion: 73 Resp: 769263

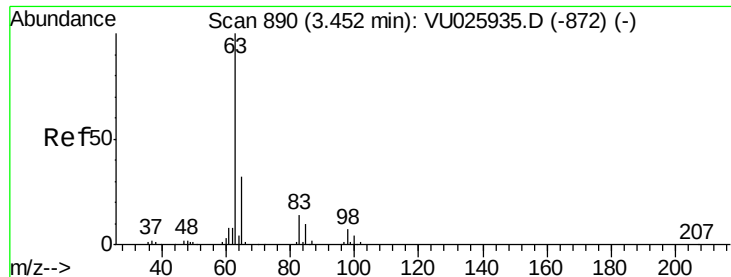
Ion Ratio Lower Upper

73 100

43 20.1 15.9 23.9

57 21.6 17.5 26.3

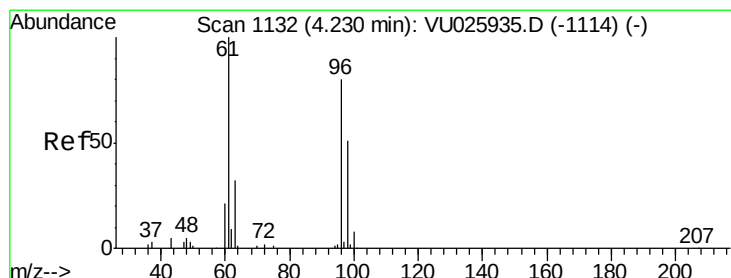
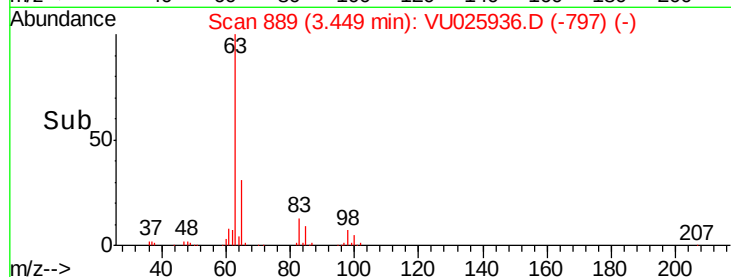
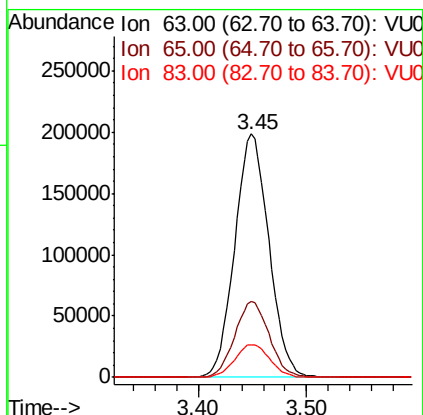
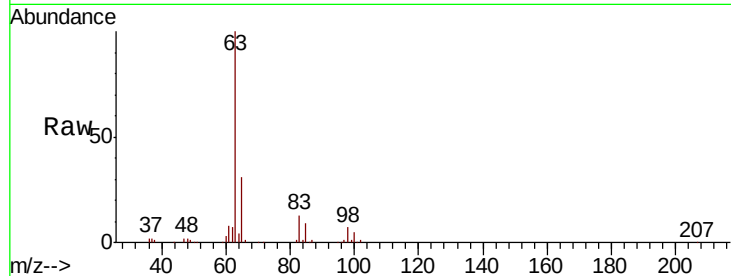




#19
 1,1-Dichloroethane
 Concen: 100.496 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

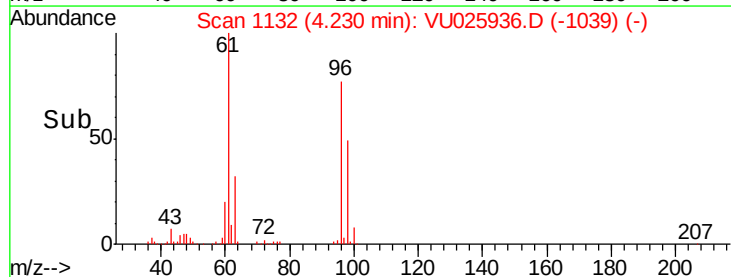
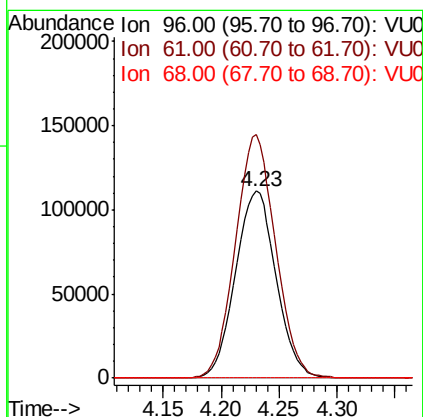
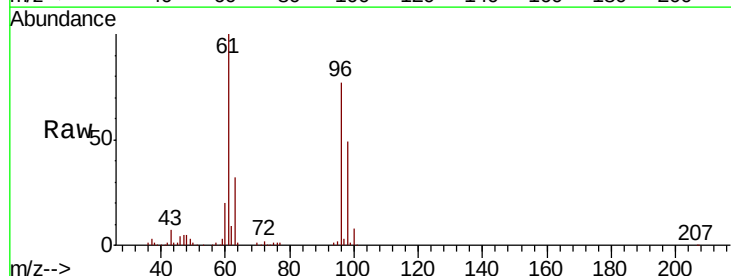
Instrument :
 MSVOA_U
 ClientSampleId :

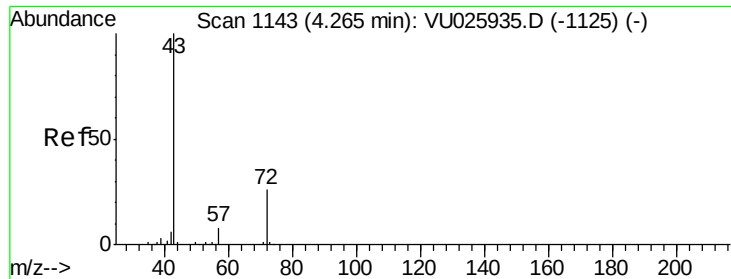
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.7	42.3
83	13.3	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 101.032 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	87.7	162.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 190.720 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

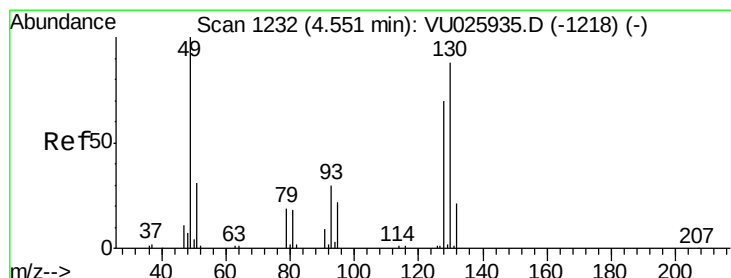
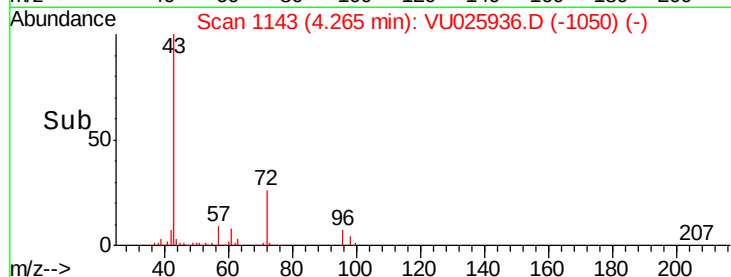
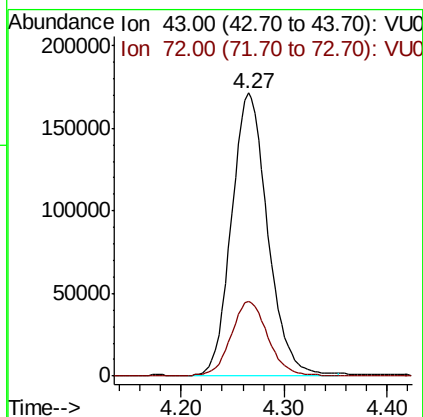
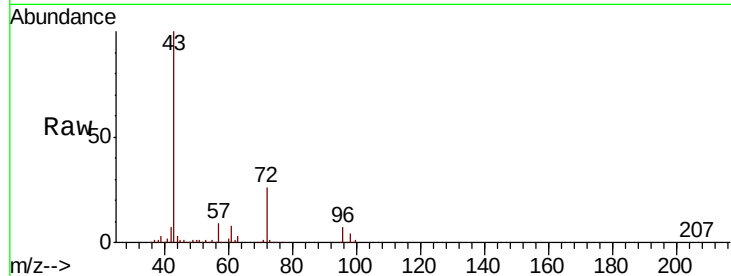
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 414910

Ion Ratio Lower Upper

43 100

72 27.5 13.4 40.2



#23

Bromochloromethane

Concen: 99.200 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Tgt Ion:128 Resp: 139623

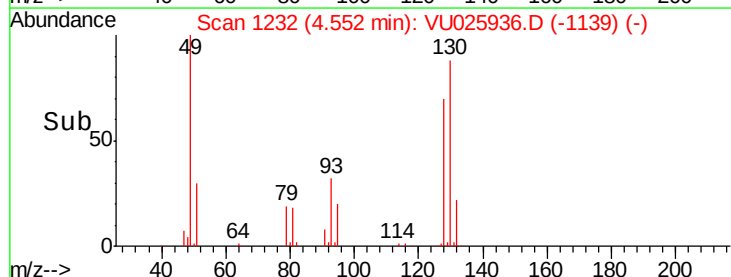
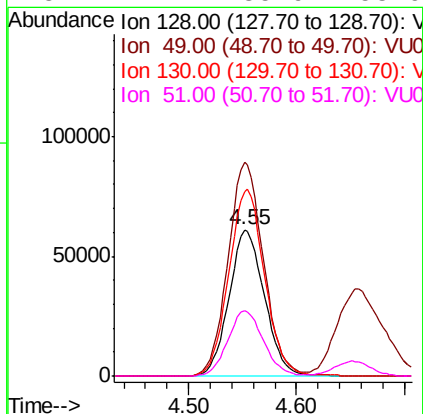
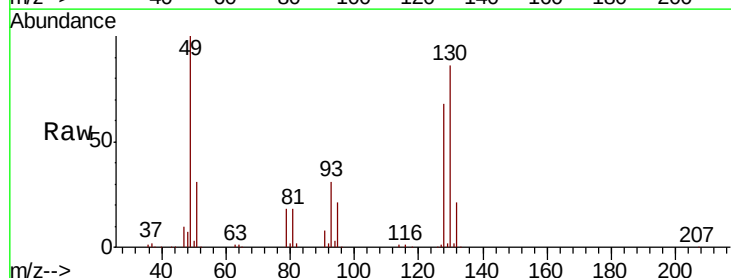
Ion Ratio Lower Upper

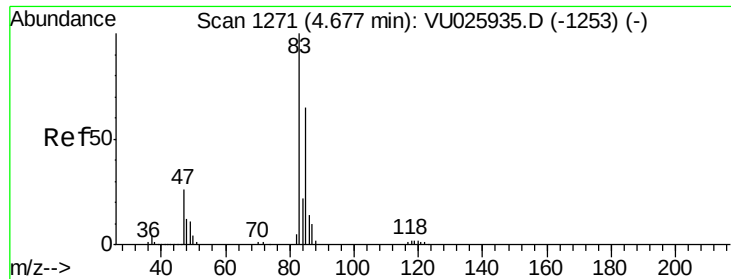
128 100

49 146.2 100.9 187.5

130 126.4 88.6 164.6

51 44.7 35.9 53.9

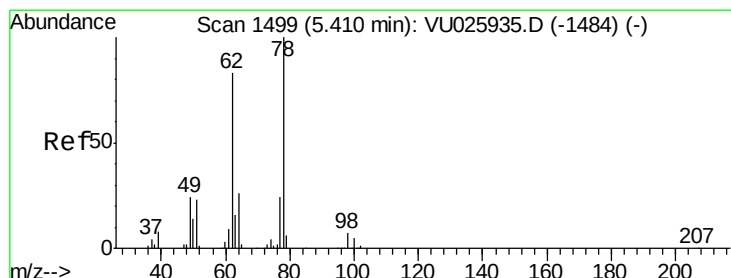
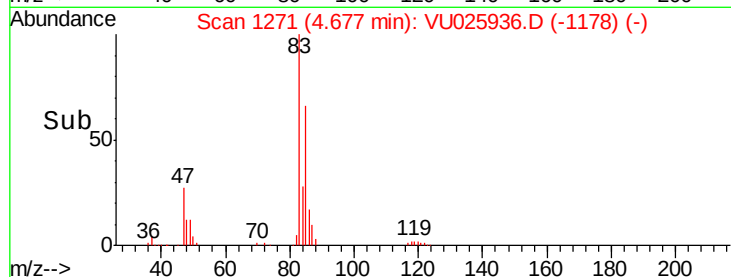
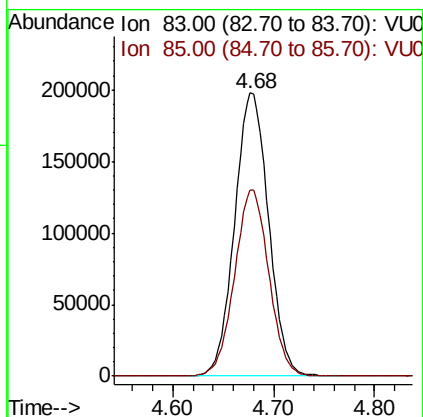
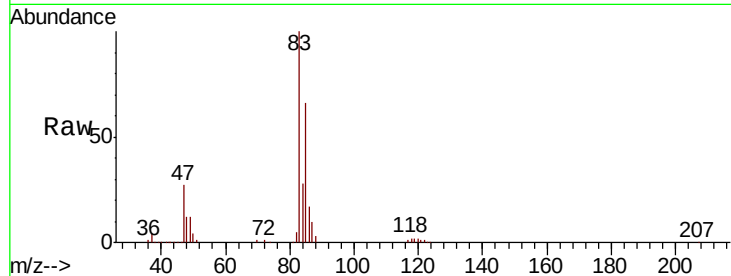




#25
Chloroform
Concen: 100.118 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025936.D
Acq: 07 Aug 2018 12:01

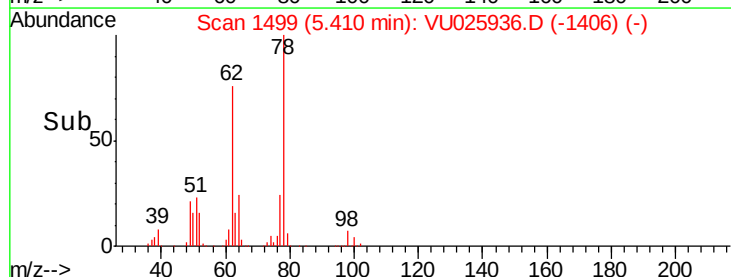
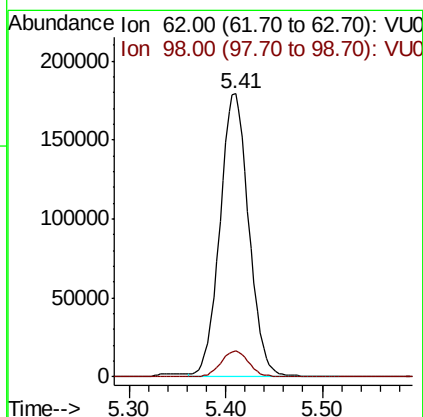
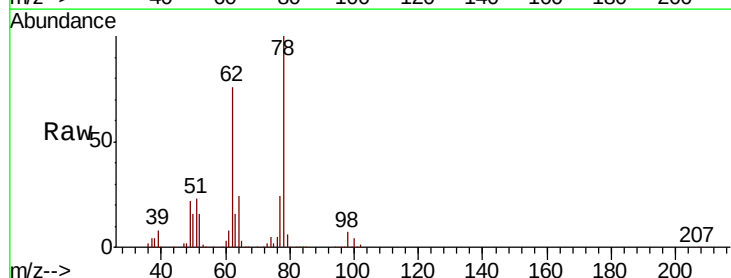
Instrument :
MSVOA_U
ClientSampled :

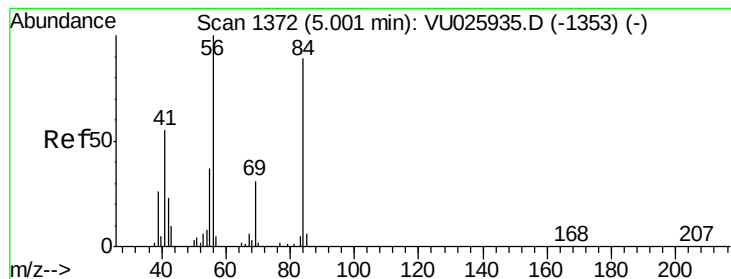
Tot Ion: 83 Resp: 461571
Ion Ratio Lower Upper
83 100
85 65.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 101.438 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025936.D
Acq: 07 Aug 2018 12:01

Tgt Ion: 62 Resp: 372919
Ion Ratio Lower Upper
62 100
98 9.1 6.8 10.2





#29

Cyclohexane

Concen: 101.129 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

ClientSampleId :

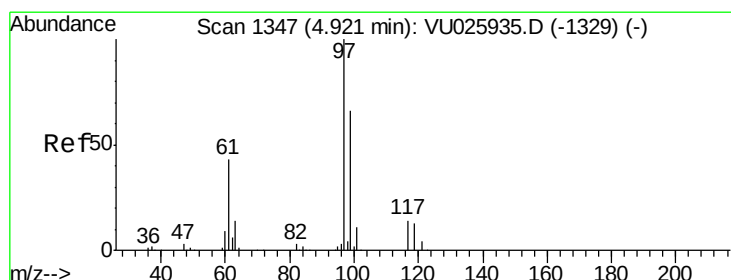
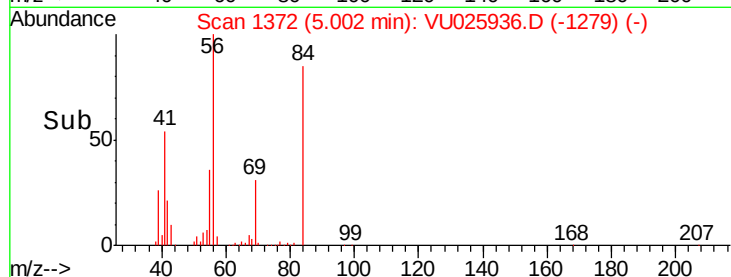
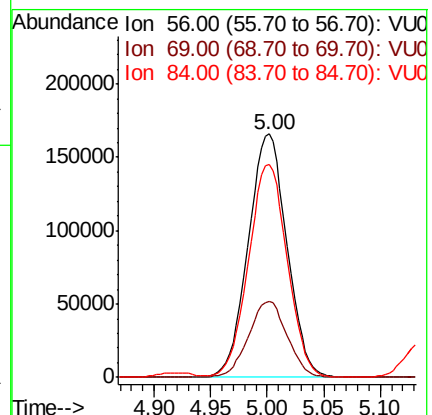
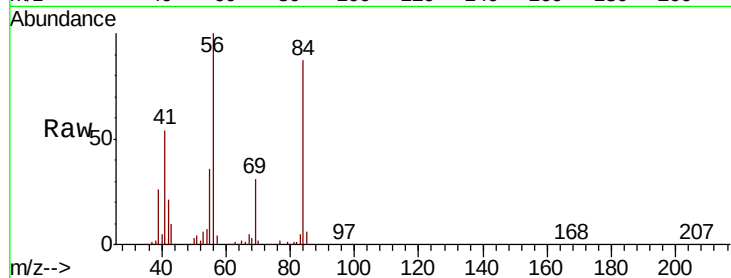
Tot Ion: 56 Resp: 395146

Ion Ratio Lower Upper

56 100

69 31.2 24.6 36.8

84 87.5 71.4 107.2



#30

1,1,1-Trichloroethane

Concen: 98.558 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

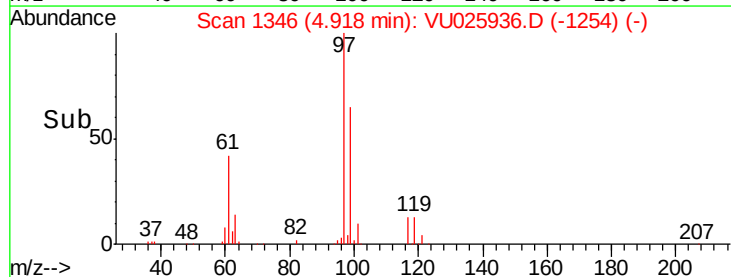
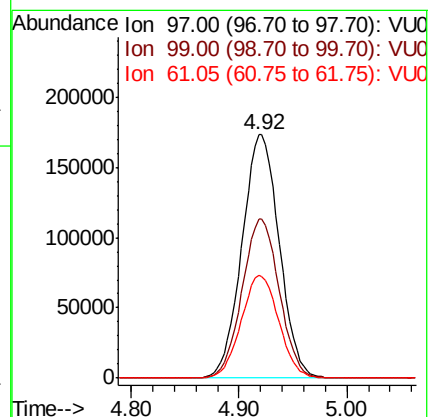
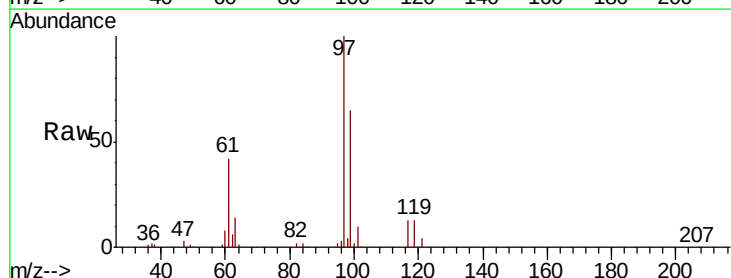
Tgt Ion: 97 Resp: 415955

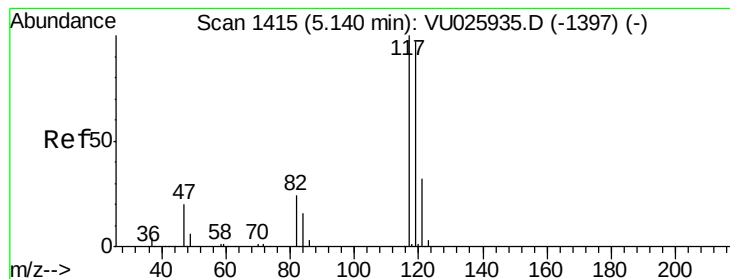
Ion Ratio Lower Upper

97 100

99 65.5 52.3 78.5

61 42.7 33.8 50.6





#31

Carbon tetrachloride

Concen: 101.849 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

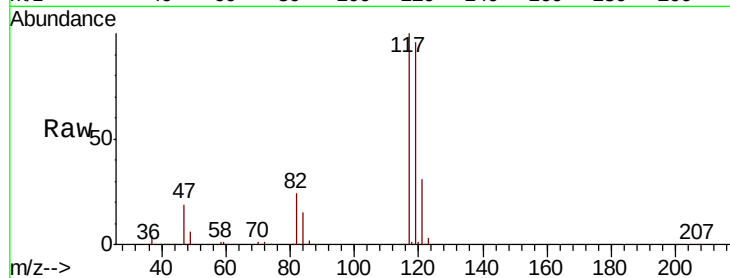
ClientSampleId :

Tot Ion:117 Resp: 384385

Ion Ratio Lower Upper

117 100

119 96.7 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

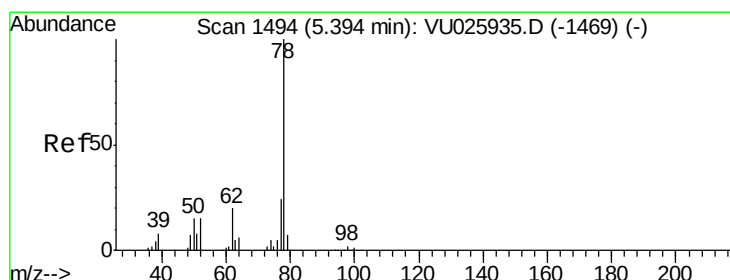
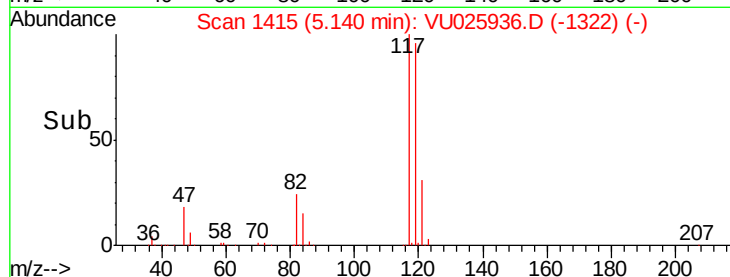
100000

50000

0

5.10 5.20

Time-->



#33

Benzene

Concen: 100.012 ug/L

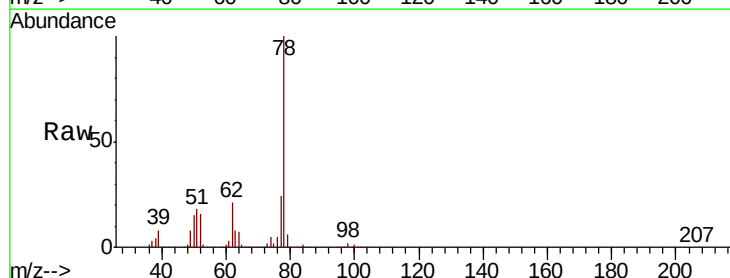
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Tgt Ion: 78 Resp: 969279



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

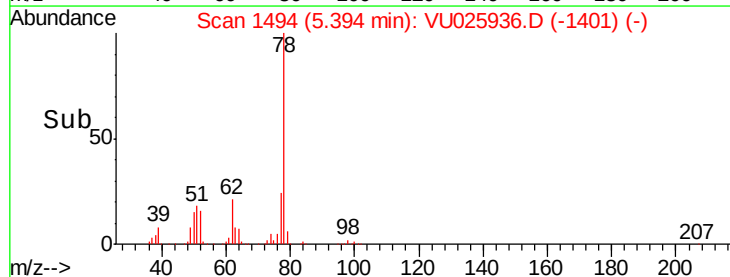
200000

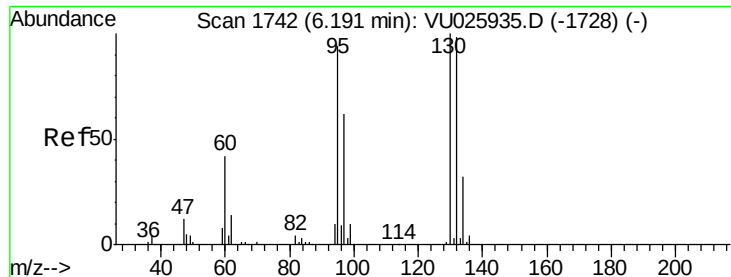
100000

0

5.30 5.40 5.50

Time-->

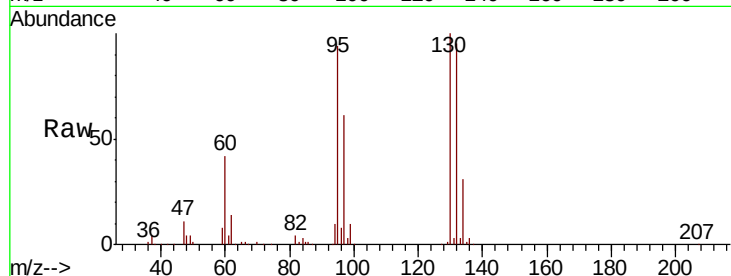




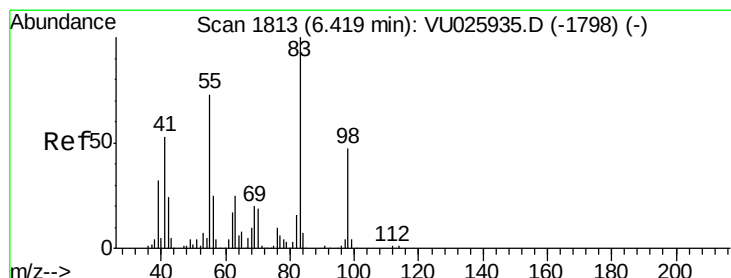
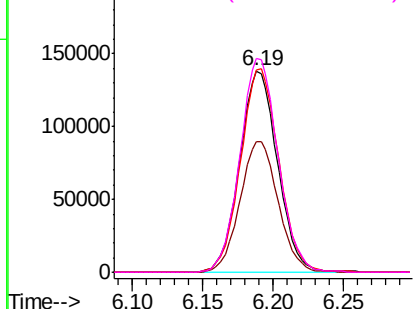
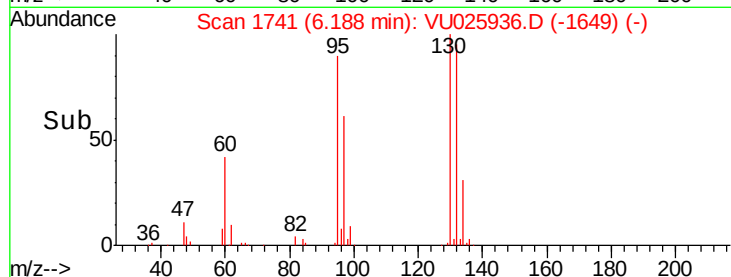
#34
 Trichloroethene
 Concen: 96.491 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	260242
Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.6	86.6
132	100.7	73.3	136.1
130	106.2	74.8	138.8

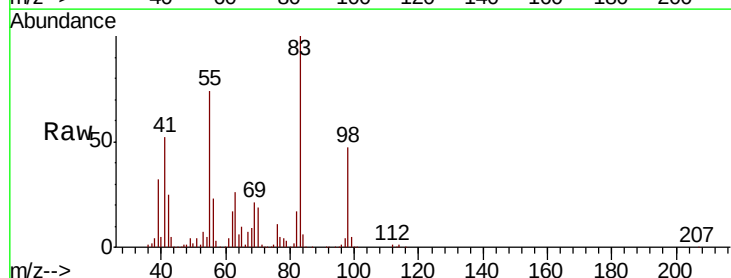


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

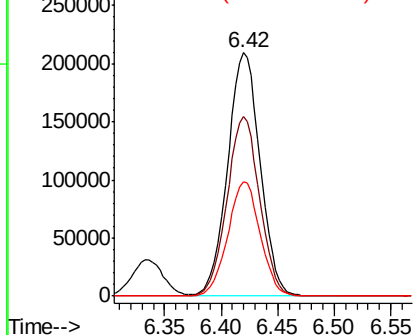
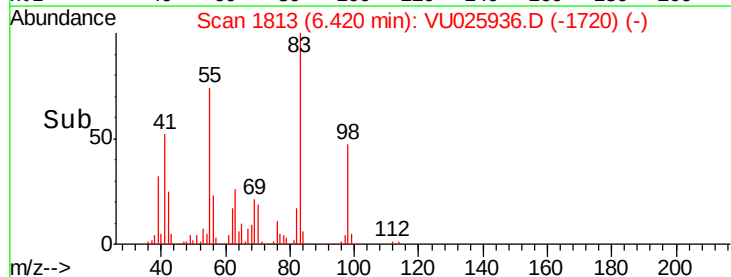


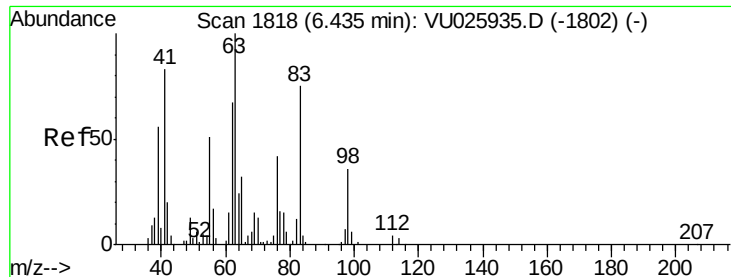
#35
 Methylcyclohexane
 Concen: 102.833 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion:	83	Resp:	419791
Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.3	87.5
98	46.9	37.8	56.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

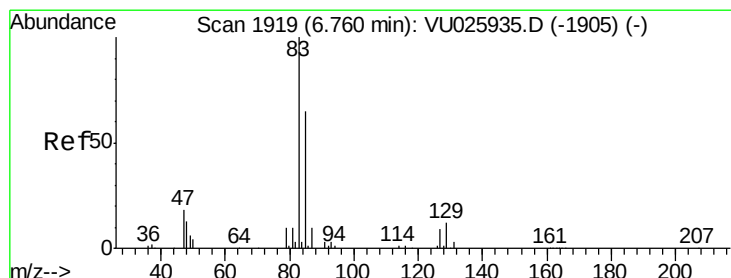
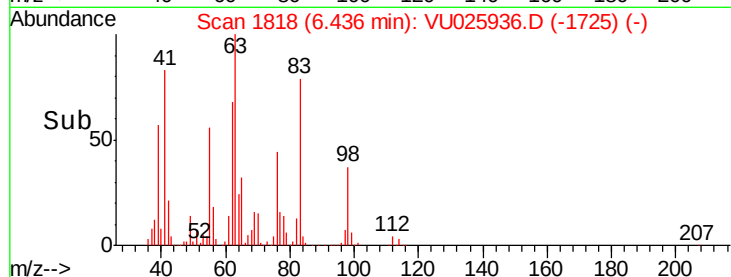
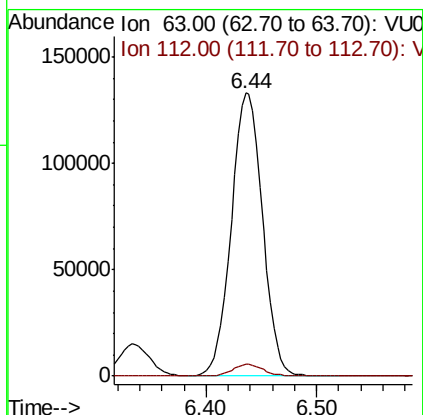
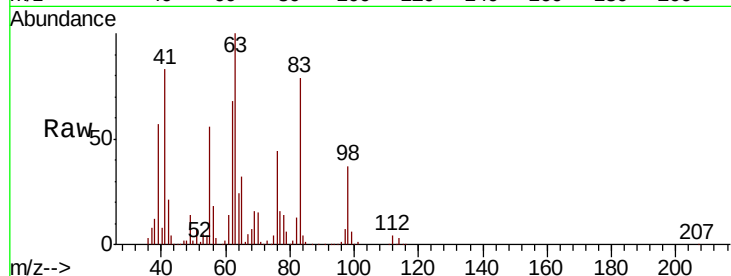




#37
 1,2-Dichloropropane
 Concen: 100.577 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

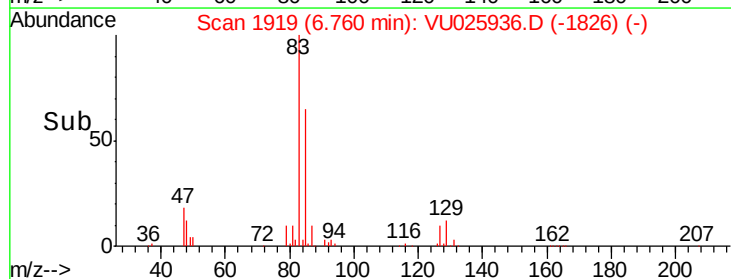
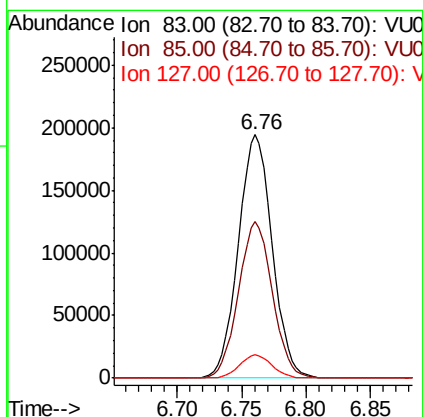
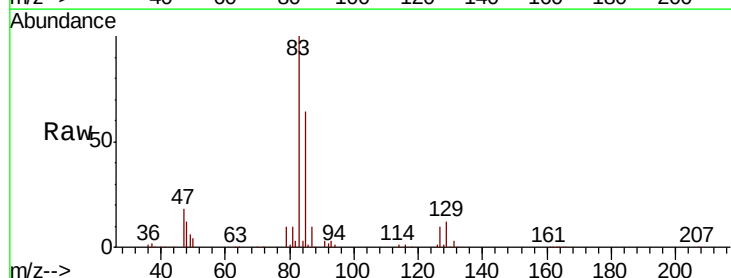
Instrument :
 MSVOA_U
 ClientSampled :

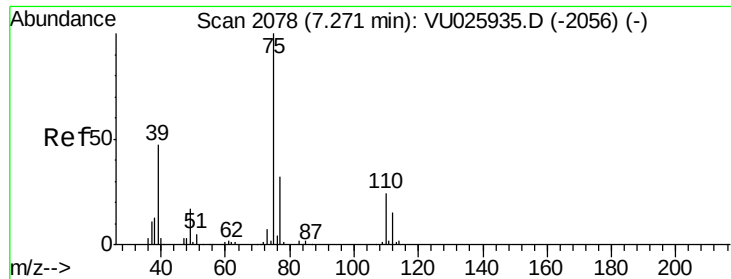
Tot Ion: 63 Resp: 260425
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 100.930 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion: 83 Resp: 355249
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0
 127 9.5 7.1 10.7

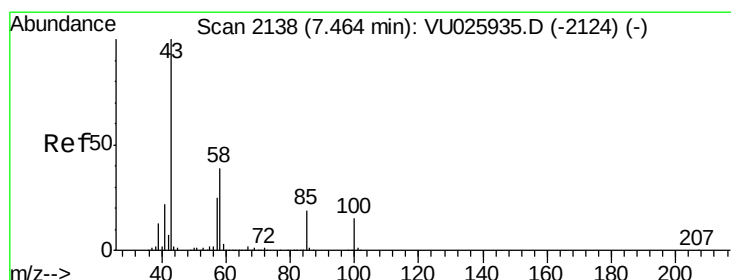
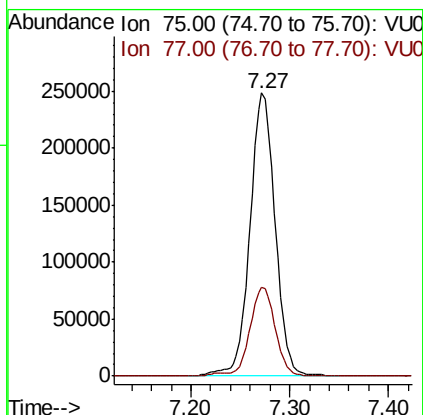
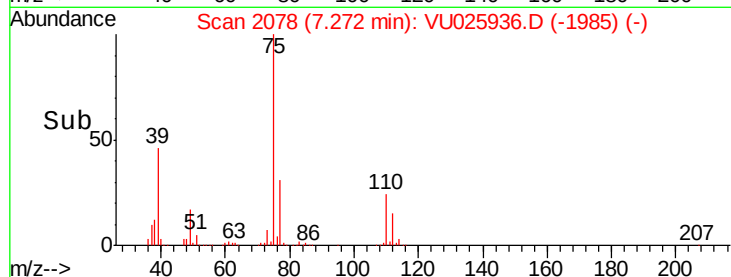
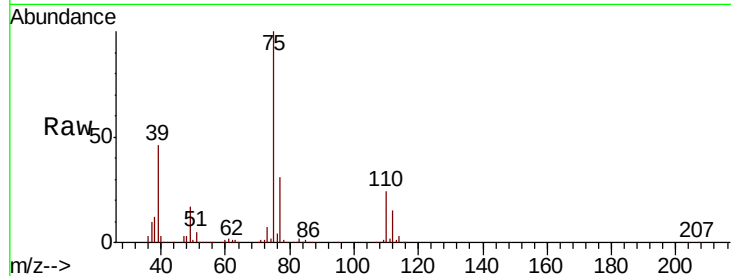




#39
 cis-1,3-Dichloropropene
 Concen: 103.895 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

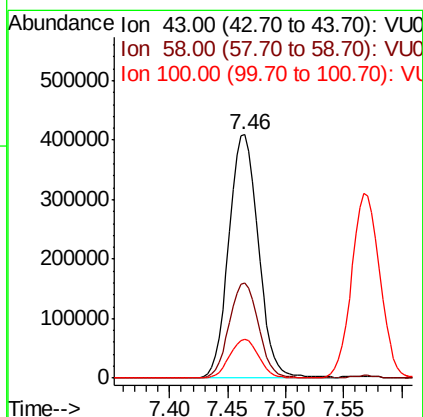
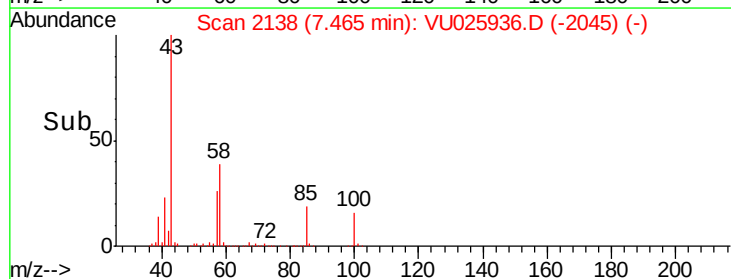
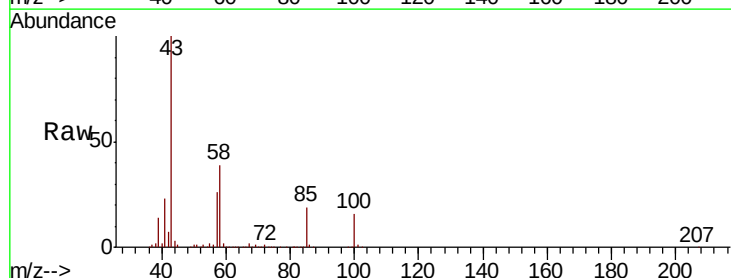
Instrument :
 MSVOA_U
 ClientSampled :

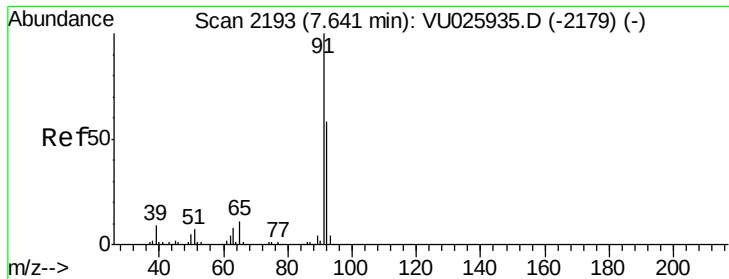
Tot Ion: 75 Resp: 438168
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 205.661 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion: 43 Resp: 726121
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.0 46.4
 100 15.7 12.4 18.6





#42

Toluene

Concen: 101.863 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

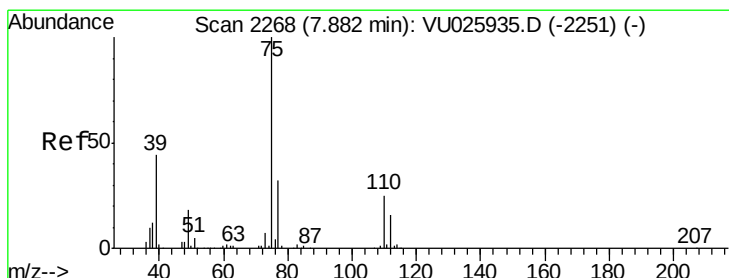
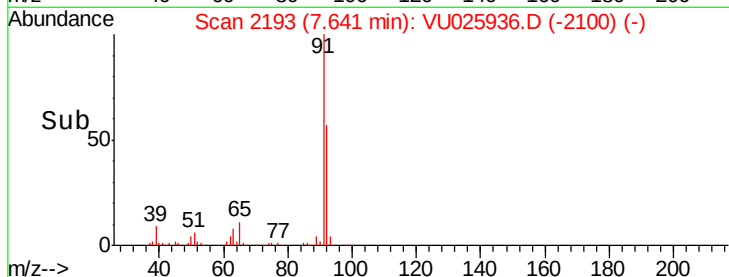
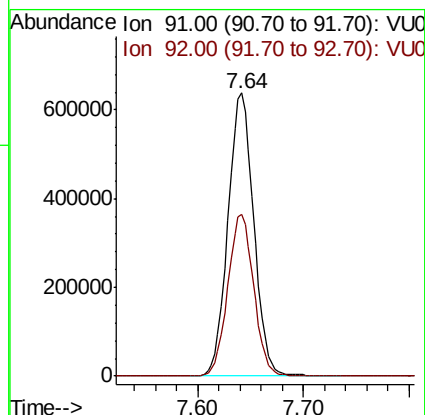
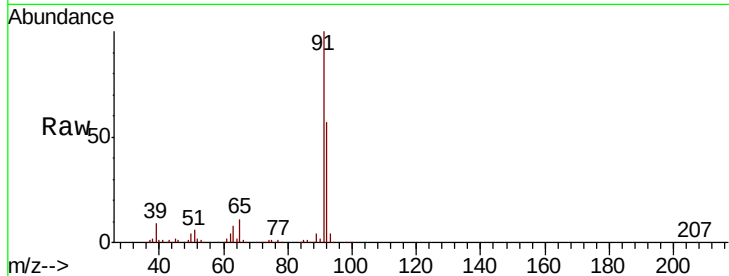
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1077366

Ion Ratio Lower Upper

91 100

92 57.2 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 104.399 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025936.D

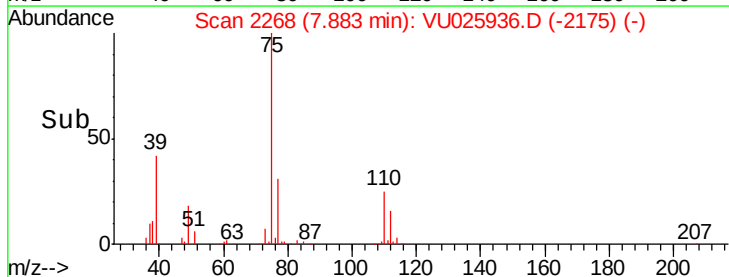
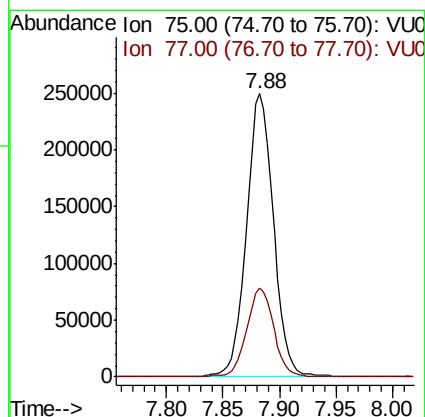
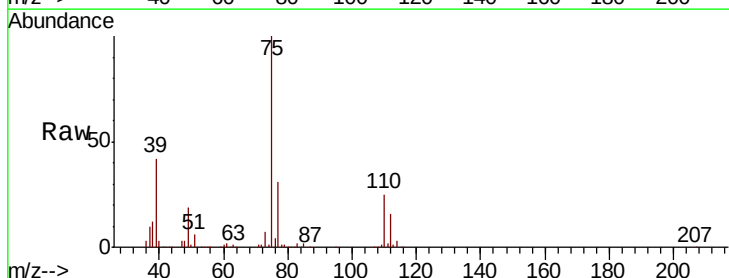
Acq: 07 Aug 2018 12:01

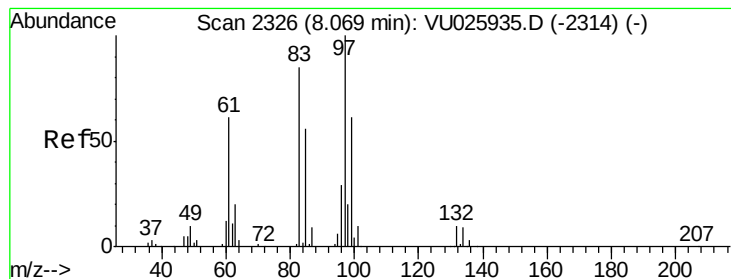
Tgt Ion: 75 Resp: 416161

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 101.334 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 250626

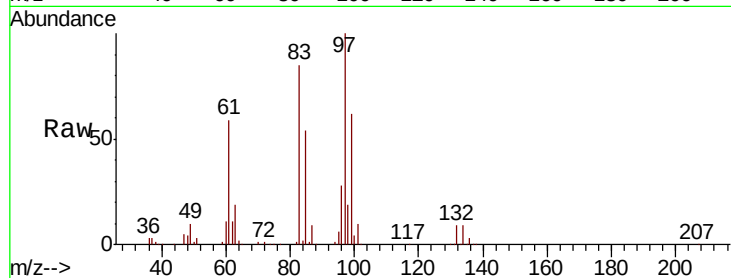
Ion Ratio Lower Upper

97 100

99 62.1 42.6 79.0

83 84.8 59.6 110.6

85 54.3 38.9 72.2

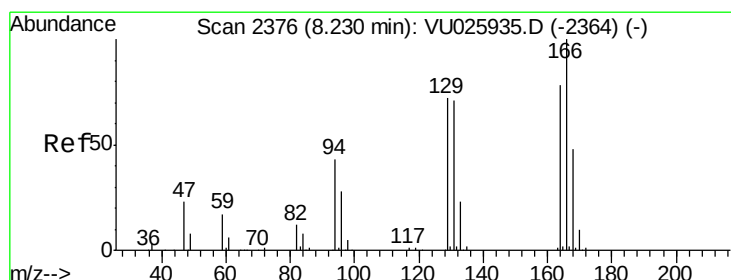
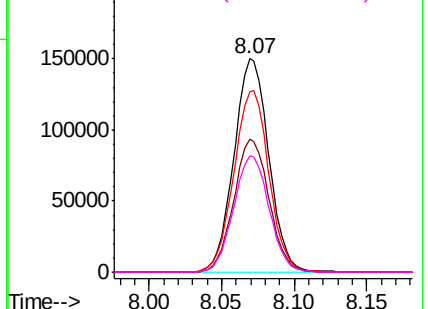
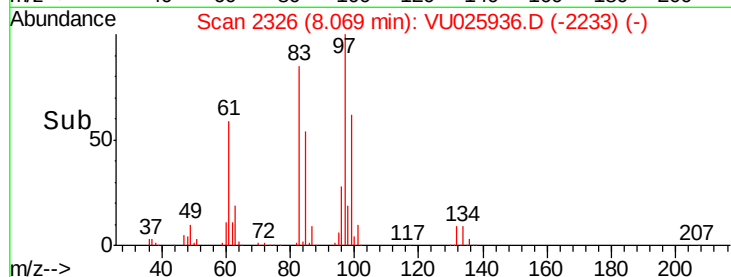


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 100.383 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Tgt Ion:164 Resp: 232695

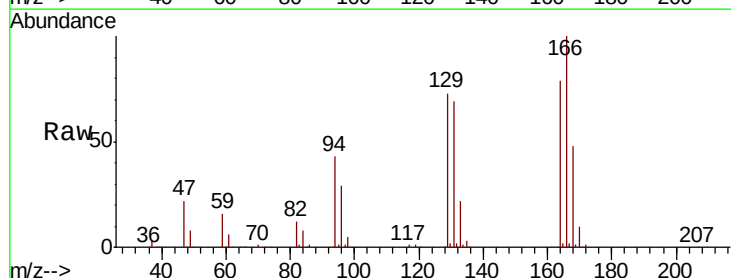
Ion Ratio Lower Upper

164 100

129 92.7 64.8 120.3

131 88.1 63.1 117.3

166 127.2 89.5 166.3

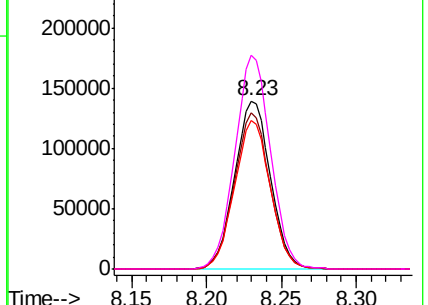
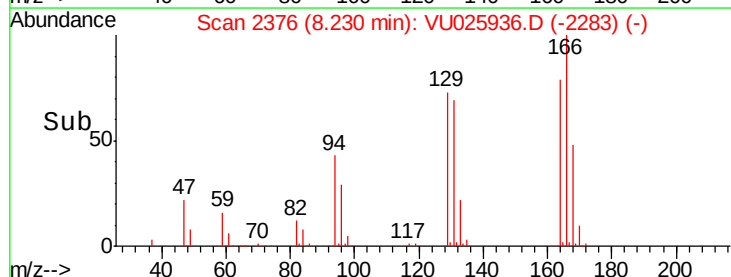


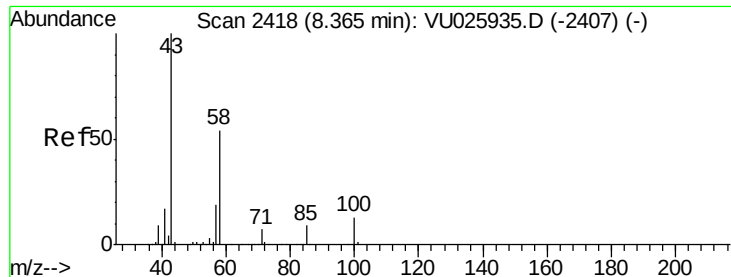
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

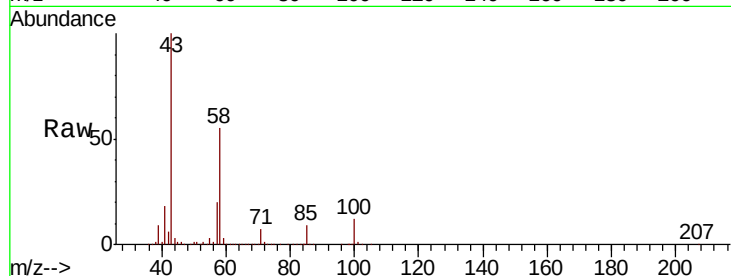




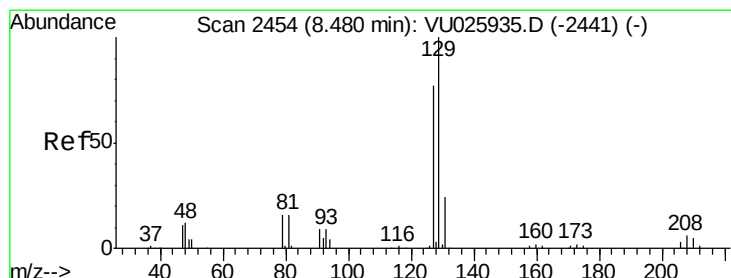
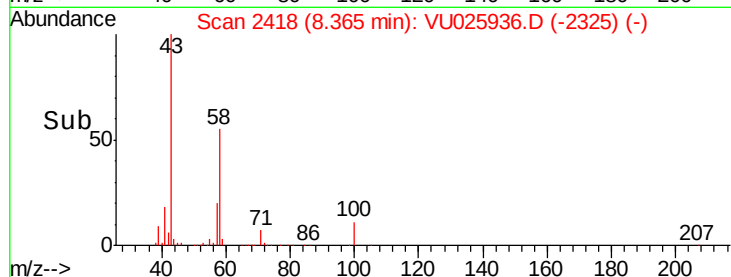
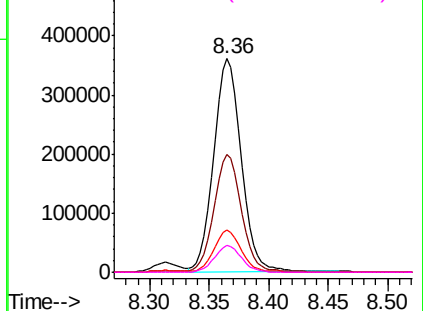
#48
2-Hexanone
Concen: 203.583 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025936.D
Acq: 07 Aug 2018 12:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 579892
Ion Ratio Lower Upper
43 100
58 54.7 43.3 64.9
57 19.4 15.0 22.6
100 12.4 9.7 14.5

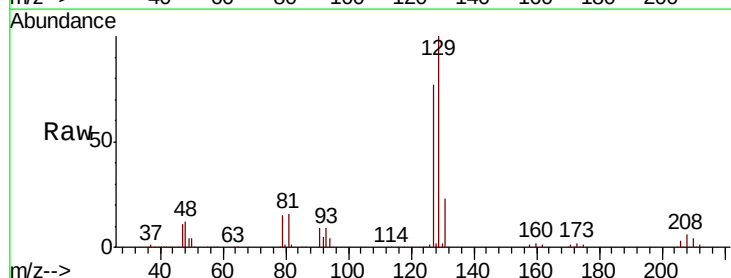


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

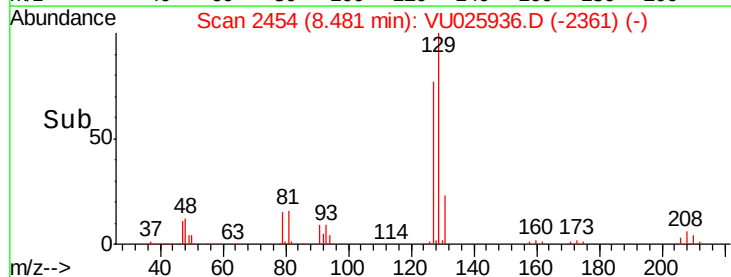
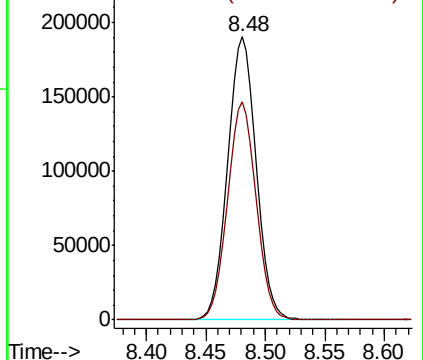


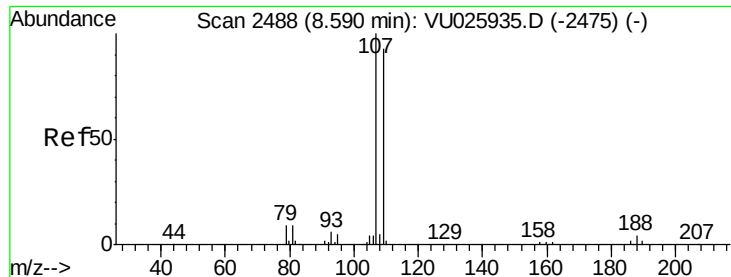
#49
Dibromochloromethane
Concen: 104.279 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025936.D
Acq: 07 Aug 2018 12:01

Tgt Ion: 129 Resp: 316793
Ion Ratio Lower Upper
129 100
127 76.8 54.3 100.8



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

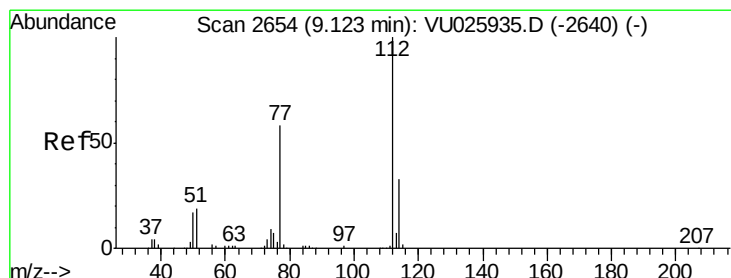
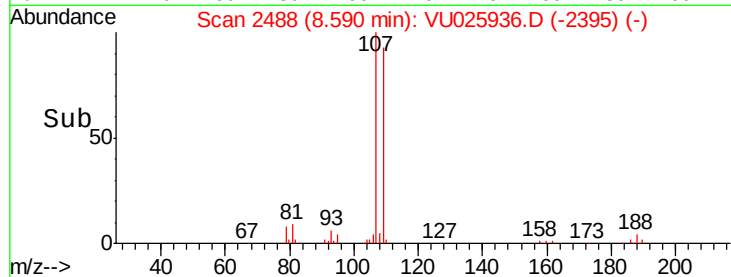
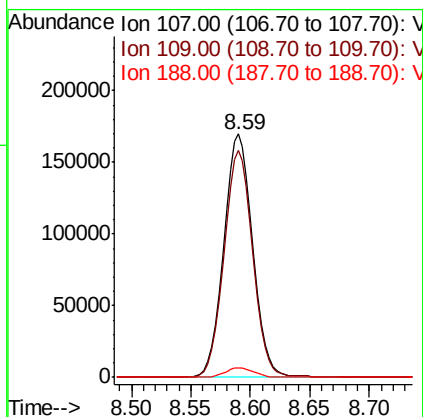
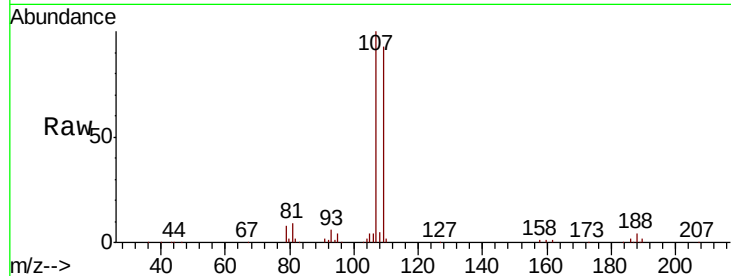




#50
 1,2-Dibromoethane
 Concen: 102.356 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

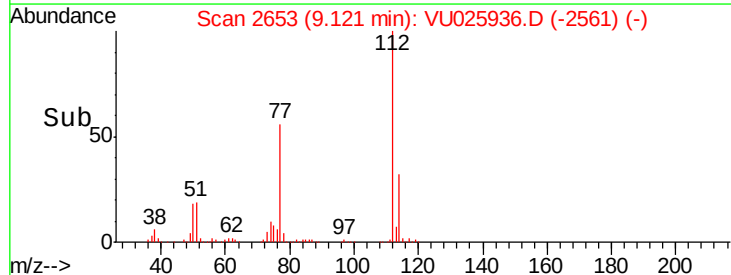
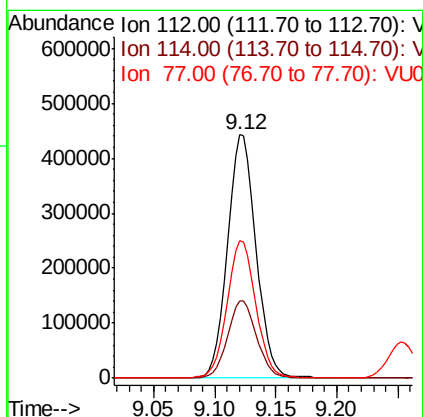
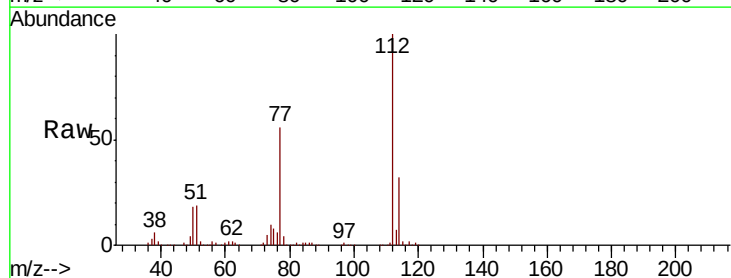
Instrument :
 MSVOA_U
 ClientSampled :

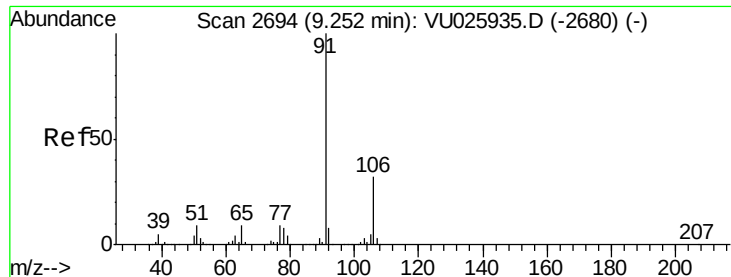
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.1	120.9
188	3.8	3.4	5.2



#51
 Chlorobenzene
 Concen: 100.215 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.9	42.5
77	56.4	46.6	70.0





#52

Ethylbenzene

Concen: 101.312 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

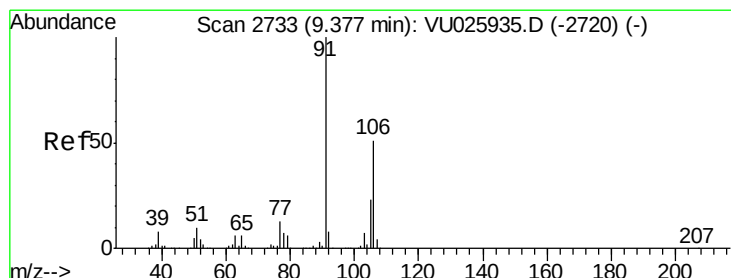
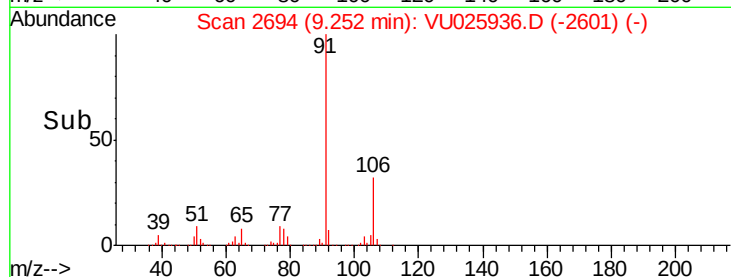
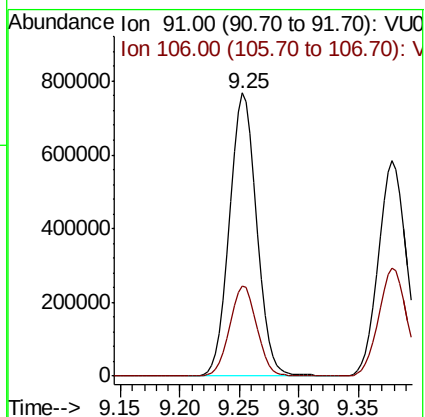
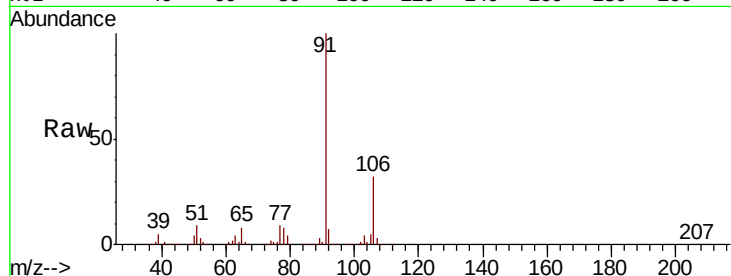
ClientSampleId :

Tot Ion: 91 Resp: 1219090

Ion Ratio Lower Upper

91 100

106 32.0 22.1 41.1



#53

m,p-Xylene

Concen: 101.722 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025936.D

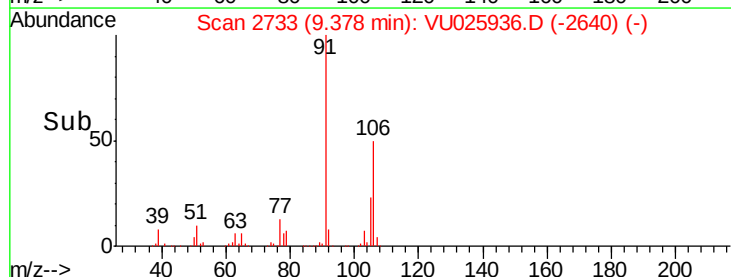
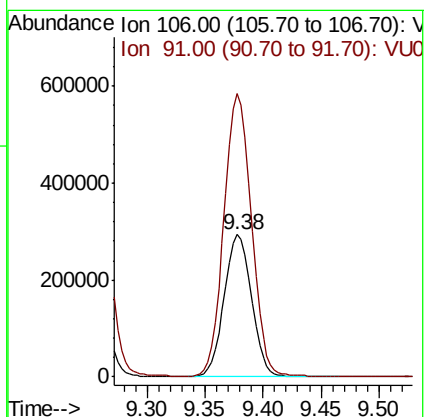
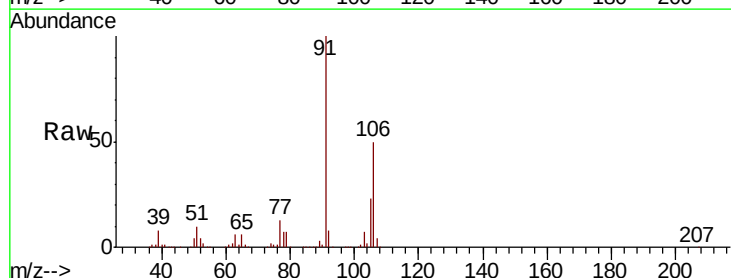
Acq: 07 Aug 2018 12:01

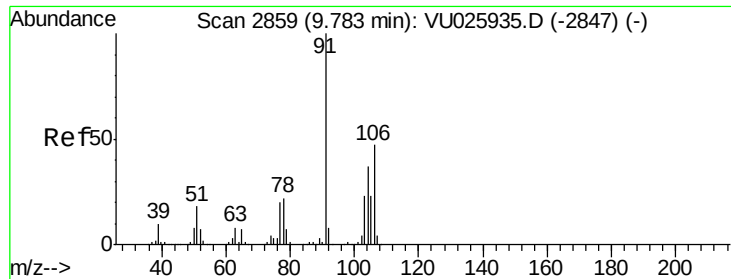
Tgt Ion: 106 Resp: 480164

Ion Ratio Lower Upper

106 100

91 199.4 137.8 255.8





#54

o-xylene

Concen: 103.861 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

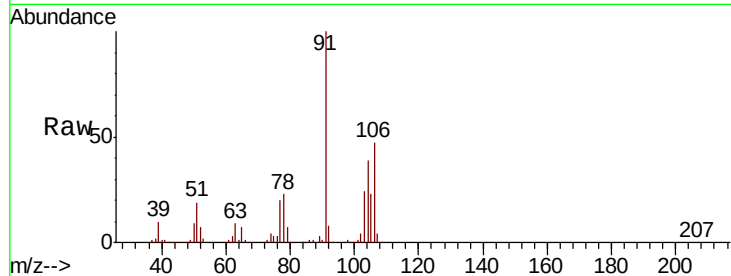
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 466836

Ion Ratio Lower Upper

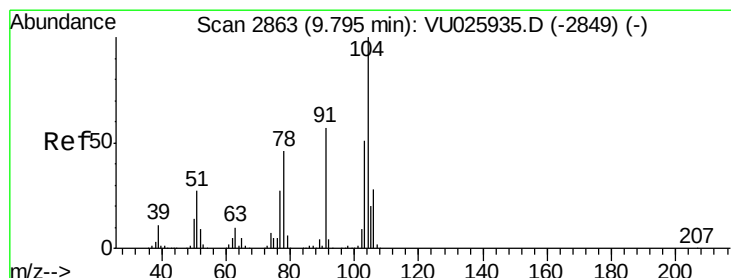
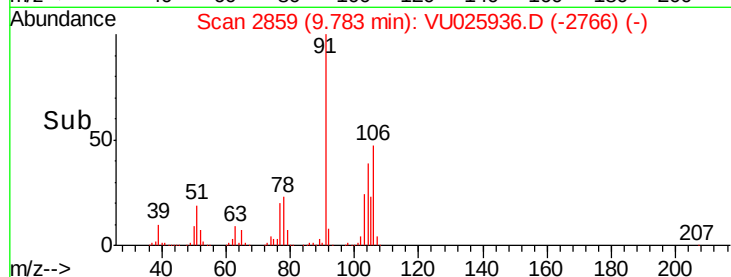
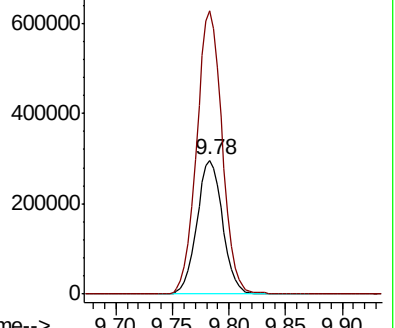
106 100

91 211.6 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 106.217 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025936.D

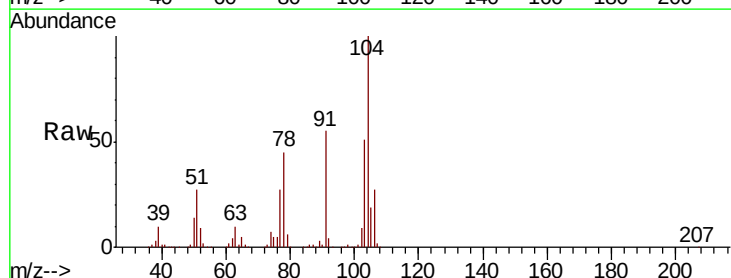
Acq: 07 Aug 2018 12:01

Tgt Ion:104 Resp: 804444

Ion Ratio Lower Upper

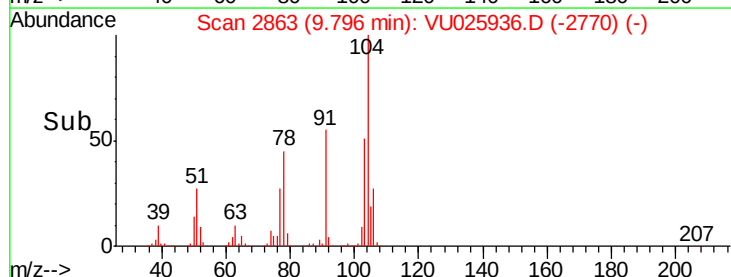
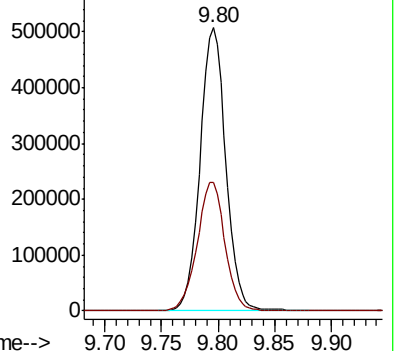
104 100

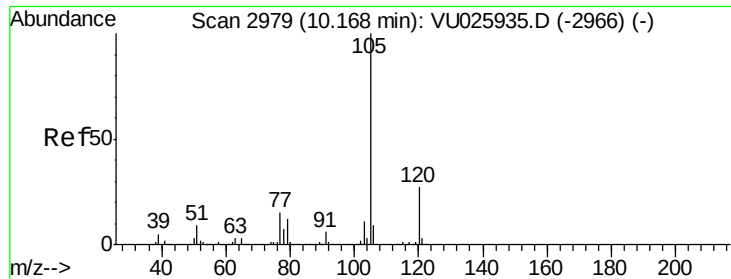
78 45.4 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 102.577 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

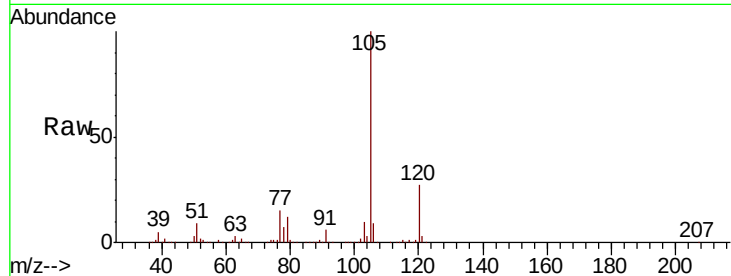
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:105 Resp: 1225412

Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.7	32.5
77	15.3	12.1	18.1

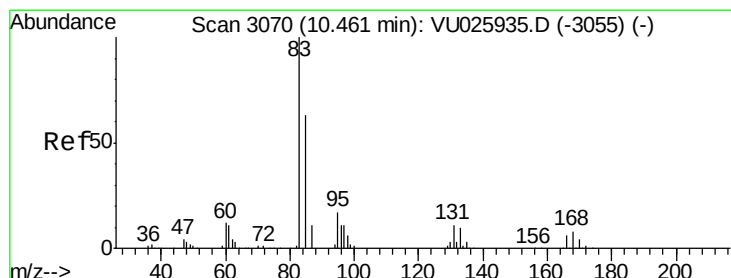
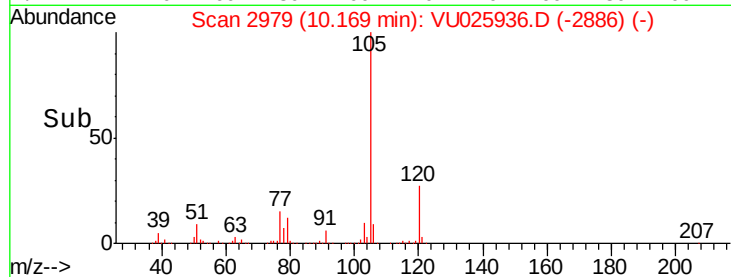
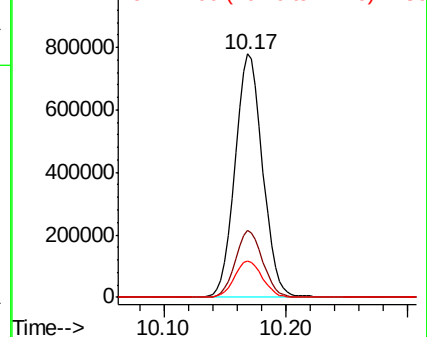


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 100.282 ug/L

RT: 10.46 min Scan# 3070

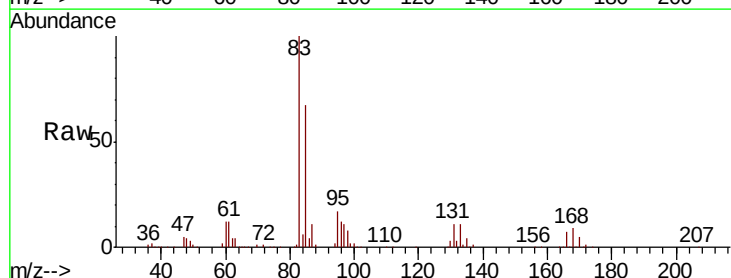
Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Tgt Ion: 83 Resp: 416989

Ion	Ratio	Lower	Upper
83	100		
85	66.6	44.5	82.7
131	10.6	8.6	12.8

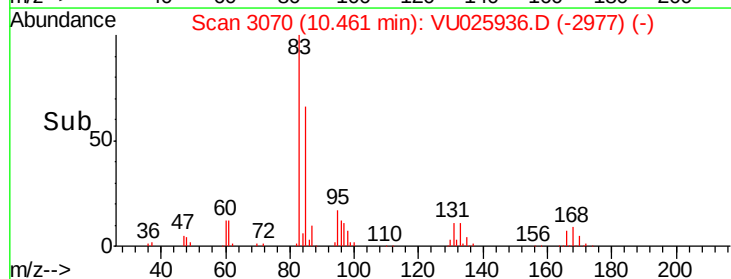
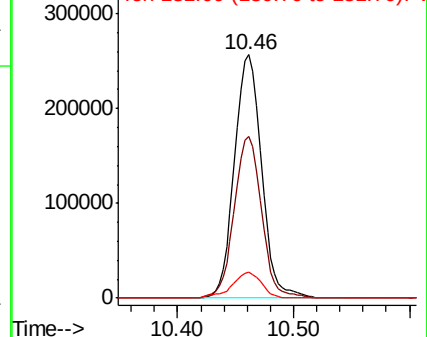


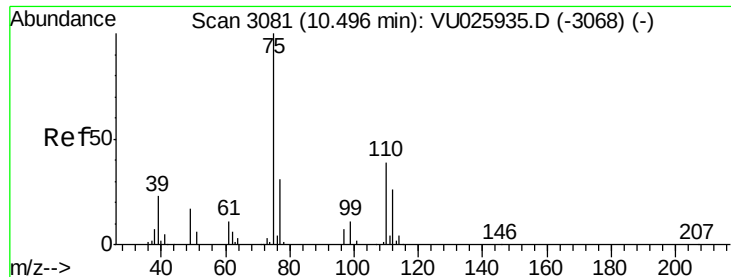
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

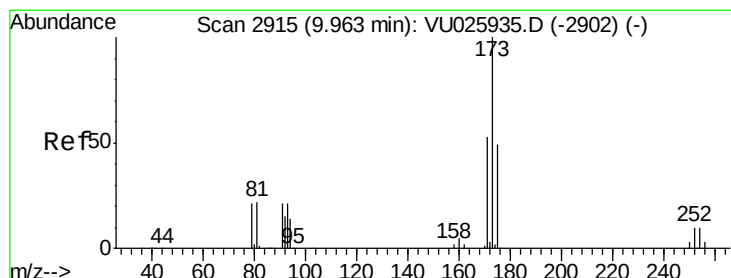
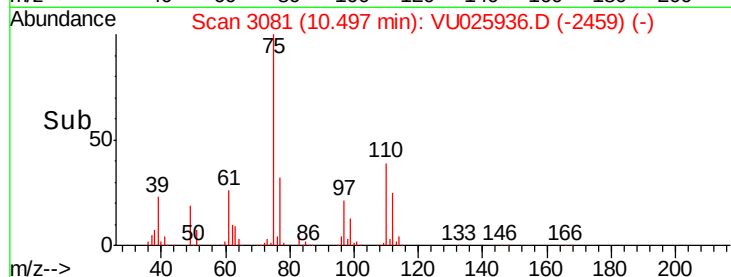
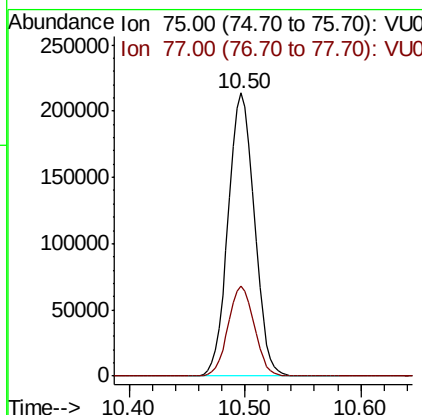
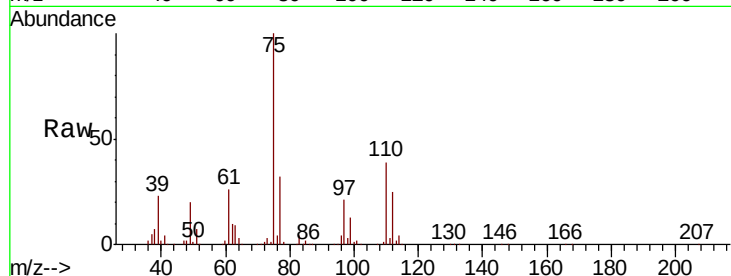




#59
 1,2,3-Trichloropropane
 Concen: 101.479 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

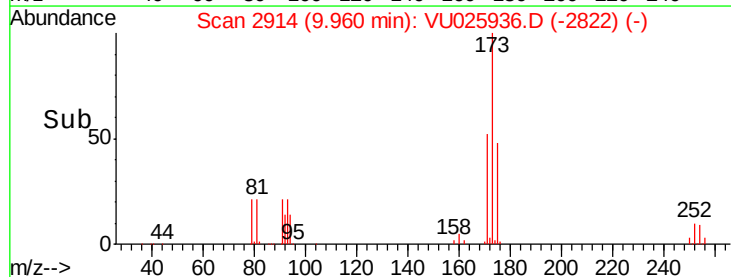
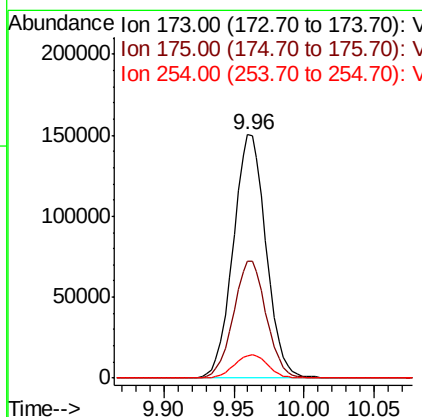
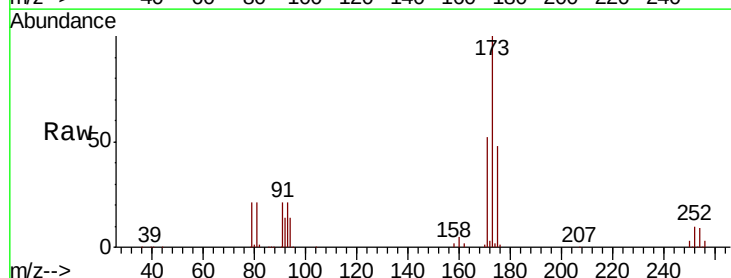
Instrument :
 MSVOA_U
 ClientSampleId :

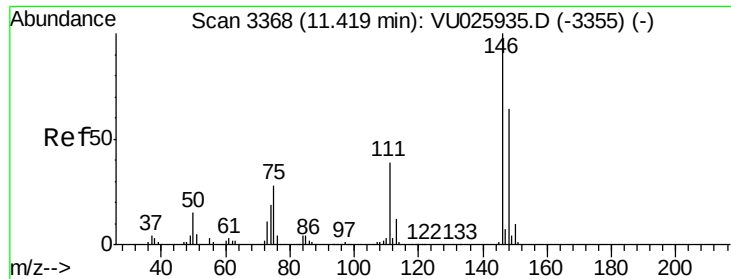
Tot Ion: 75 Resp: 334422
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 103.781 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion: 173 Resp: 245244
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.8 58.2
 254 9.7 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 98.228 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Instrument :

MSVOA_U

ClientSampleId :

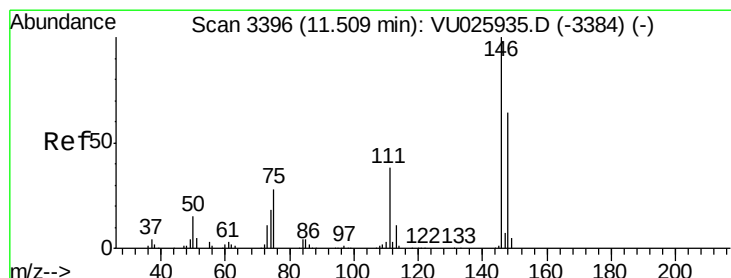
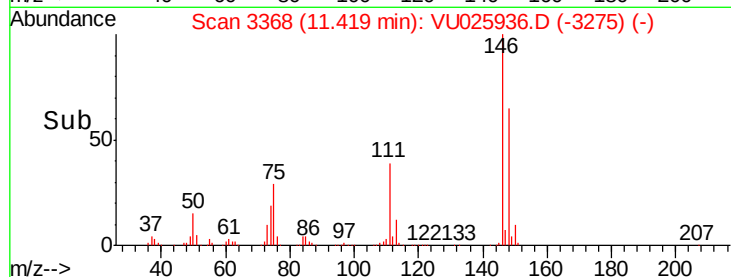
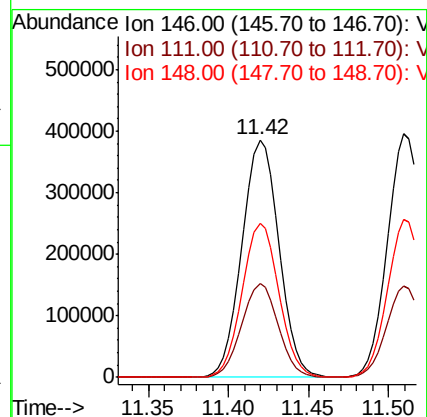
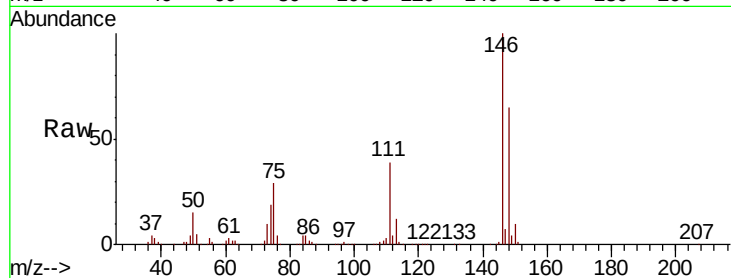
Tot Ion:146 Resp: 608146

Ion Ratio Lower Upper

146 100

111 39.2 27.5 51.1

148 64.7 44.6 82.8



#63

1,4-Dichlorobenzene

Concen: 98.422 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

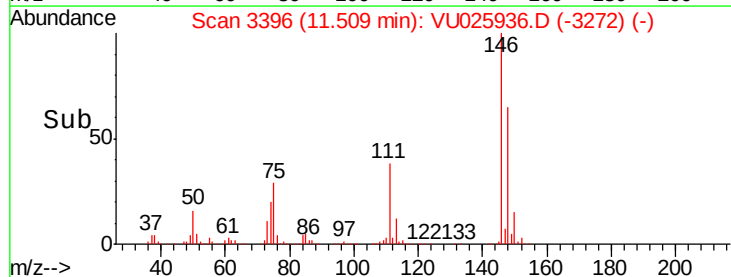
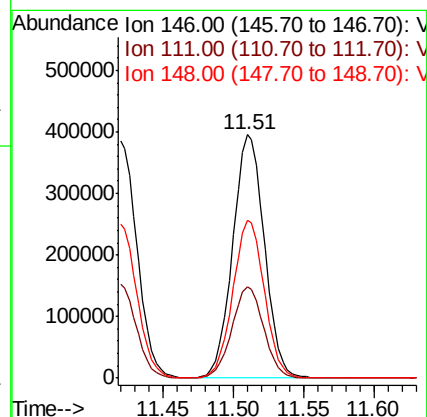
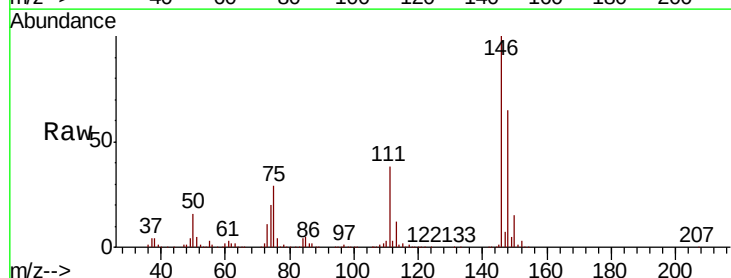
Tgt Ion:146 Resp: 620800

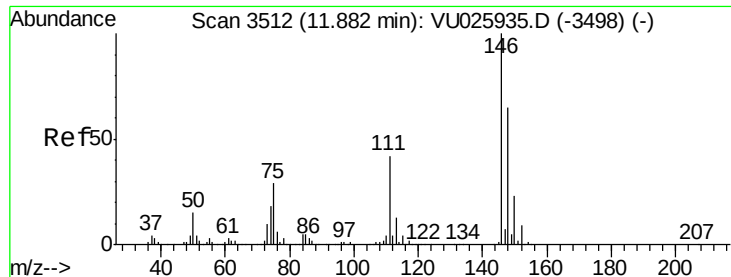
Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

148 64.9 45.2 84.0

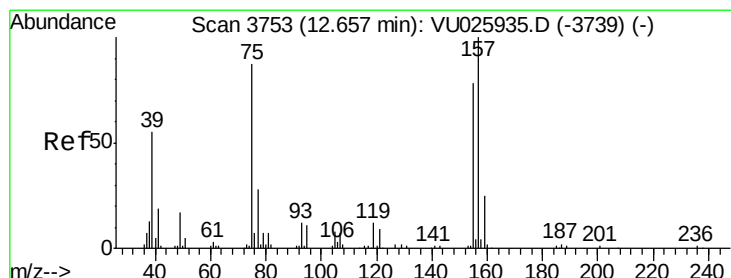
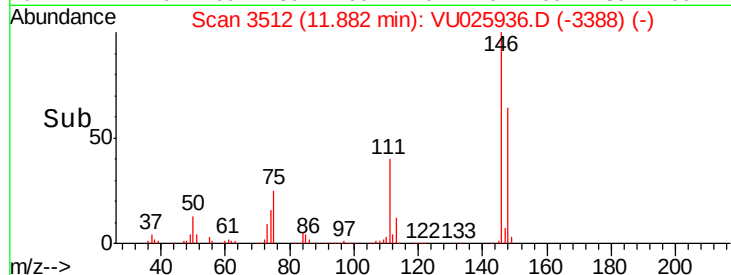
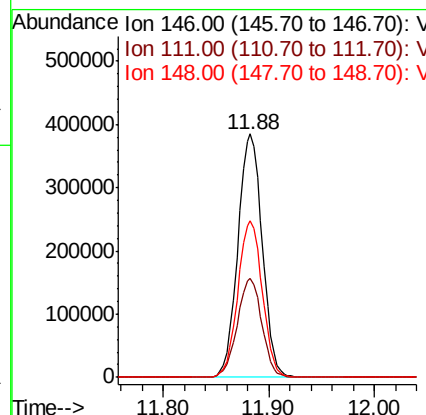
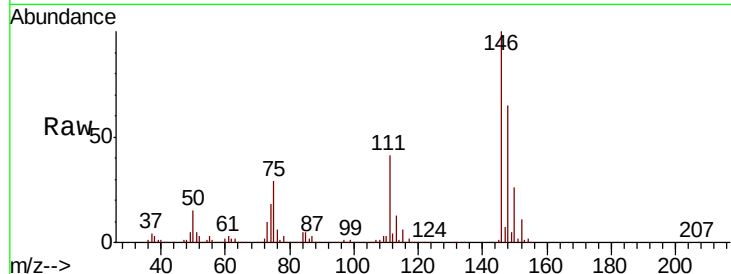




#65
 1,2-Dichlorobenzene
 Concen: 98.753 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

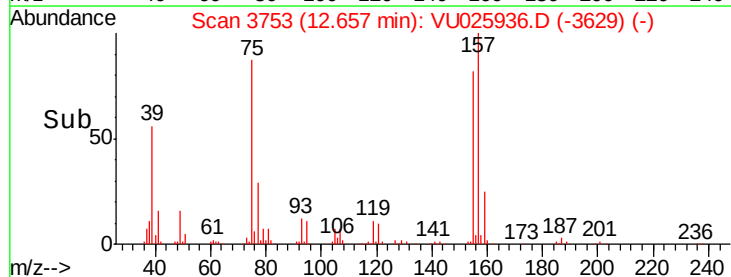
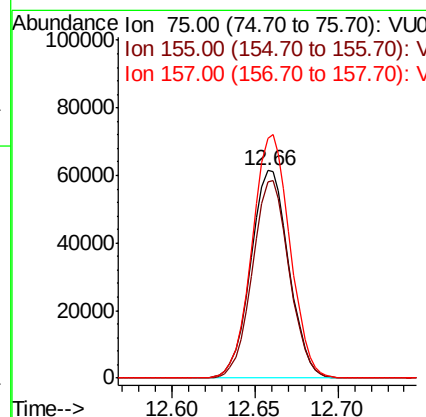
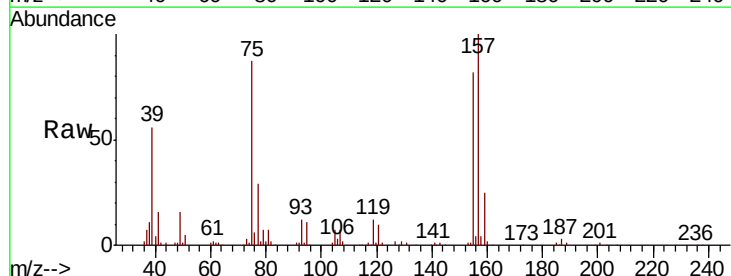
Instrument :
 MSVOA_U
 ClientSampled :

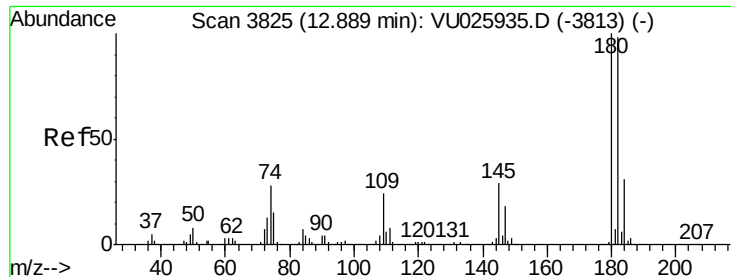
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	33.4	50.0
148	64.6	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 104.013 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	71.4	107.2
157	115.5	92.0	138.0

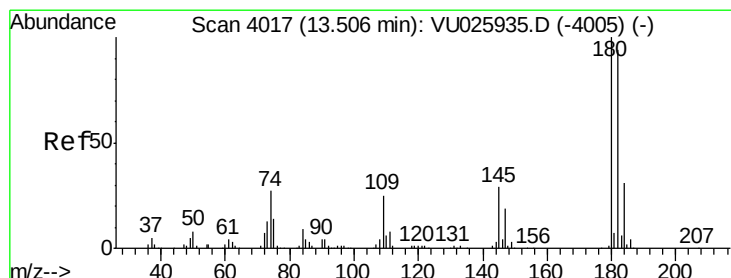
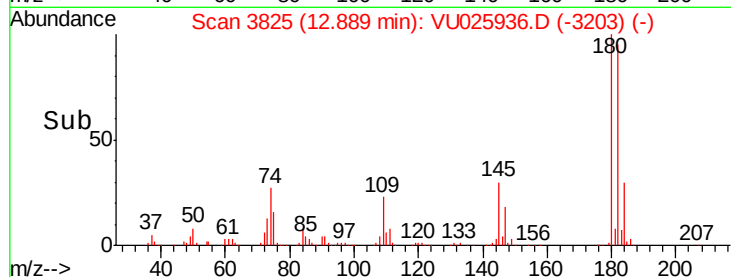
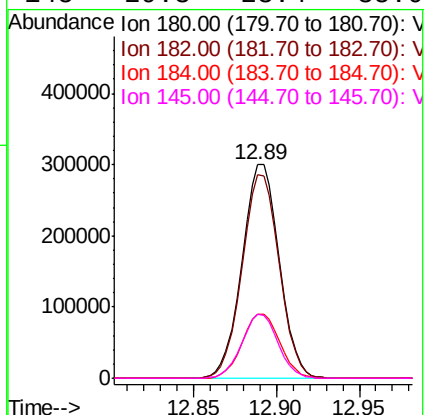
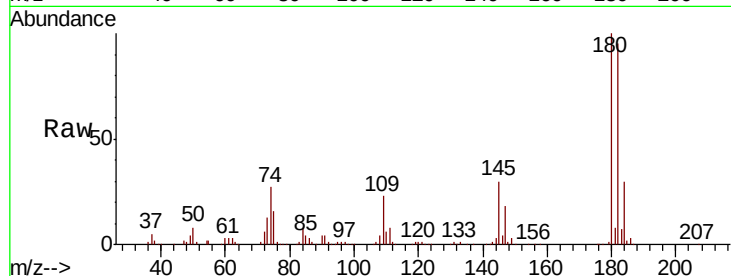




#67
 1,3,5-Trichlorobenzene
 Concen: 102.516 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

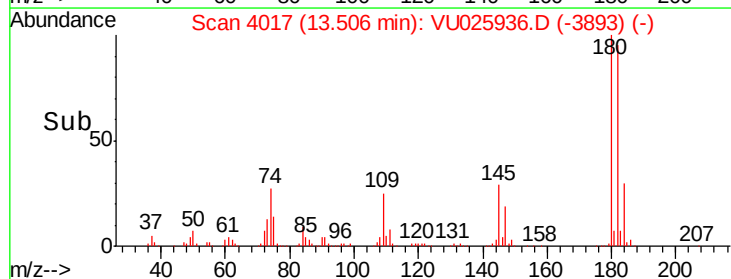
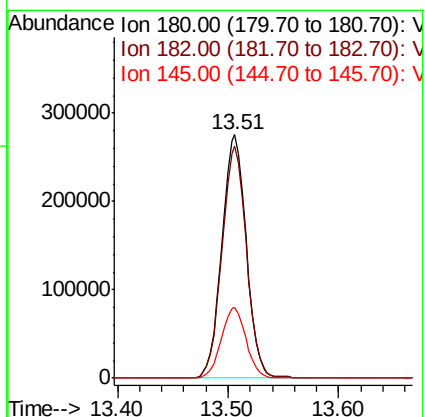
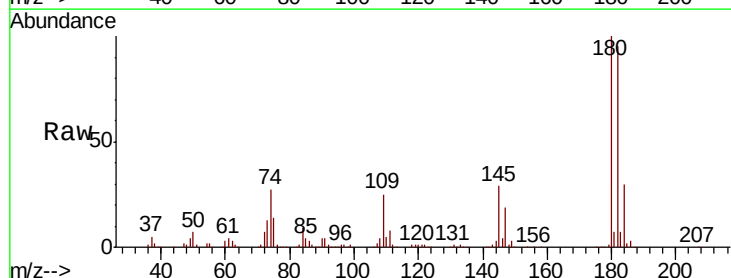
Instrument :
 MSVOA_U
 ClientSampleId :

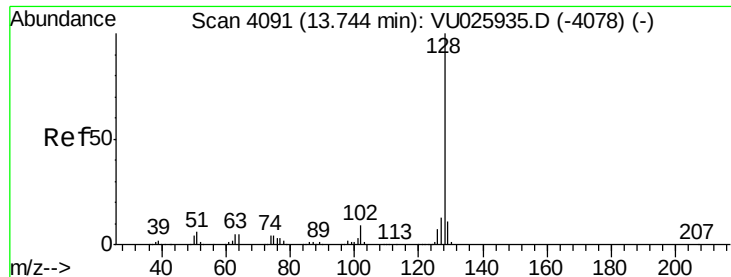
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.8	116.6
184	30.4	24.6	37.0
145	29.3	23.4	35.0



#68
 1,2,4-trichlorobenzene
 Concen: 107.238 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025936.D
 Acq: 07 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.3	112.9
145	29.1	23.1	34.7





#69

Naphthalene

Concen: 111.353 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

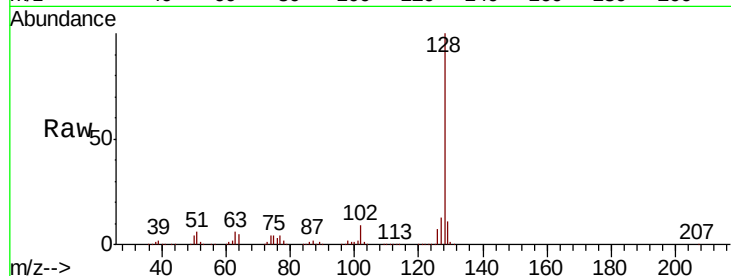
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1295661

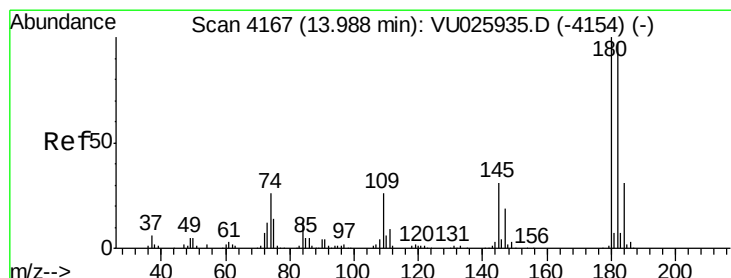
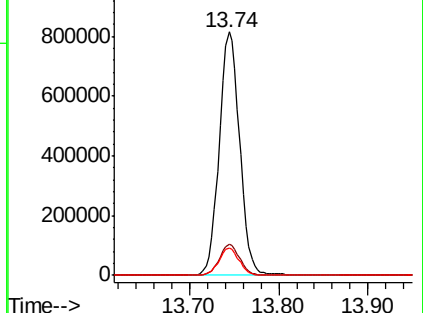
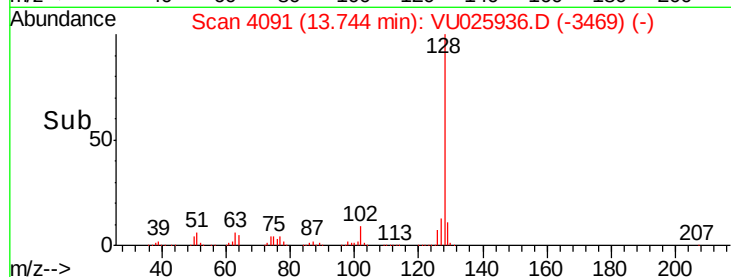
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.8	14.8
129	10.9	8.5	12.7



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



#70

1,2,3-Trichlorobenzene

Concen: 103.944 ug/L

RT: 13.99 min Scan# 4167

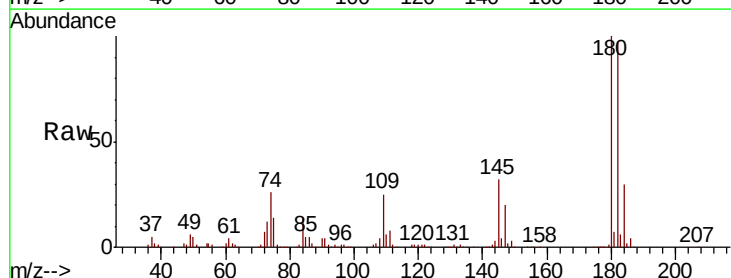
Delta R.T. 0.00 min

Lab File: VU025936.D

Acq: 07 Aug 2018 12:01

Tgt Ion:180 Resp: 421656

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.6	116.4
145	31.4	25.3	37.9



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

