

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082018\
 Data File : VU026205.D
 Acq On : 20 Aug 2018 13:36
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 21 07:40:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	36846	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	14426	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15720	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	103102	7.193	ug/l 96
3) Chloromethane	1.33	50	106778	8.728	ug/l 98
4) Vinyl Chloride	1.40	62	112302	9.180	ug/l 99
5) Bromomethane	1.63	94	69299	10.304	ug/l 99
6) Chloroethane	1.70	64	65451	8.933	ug/l 99
7) Trichlorofluoromethane	1.89	101	168605	9.328	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	93063	9.286	ug/l 99
9) 1,1-Dichloroethene	2.29	96	85564	9.996	ug/l 99
10) Iodomethane	2.41	142	146154	10.866	ug/l 93
11) Allyl Chloride	2.60	41	144094	10.014	ug/l 87
12) Acrylonitrile	2.94	53	93087	47.985	ug/l 98
13) Acetone	2.32	43	139404	95.077	ug/l 98
14) Carbon Disulfide	2.48	76	290130	9.809	ug/l 100
15) Methylene Chloride	2.70	84	93412	10.446	ug/l 95
16) trans-1,2-Dichloroethene	2.98	96	96283	9.724	ug/l 94
17) 1,1-Dichloroethane	3.45	63	176264	9.730	ug/l 98
18) 2-Butanone	4.28	43	201234	72.464	ug/l 99
19) Cyclohexane	5.00	56	146608	11.008	ug/l 86
20) Methylcyclohexane	6.42	83	176218	11.301	ug/l 95
21) 2,2-Dichloropropane	4.23	77	182350	9.792	ug/l 100
22) cis-1,2-Dichloroethene	4.23	96	118400	9.853	ug/l 92
23) Diethyl Ether	2.10	59	63270	9.658	ug/l 97
24) tert-Butyl Alcohol	2.83	59	30298	45.181	ug/l # 81
25) Methyl tert-Butyl Ether	3.01	73	221933	9.948	ug/l 97
26) Bromochloromethane	4.55	128	52083	9.694	ug/l 82
27) Chloroform	4.68	83	203495	9.714	ug/l 98
28) 1,1,1-Trichloroethane	4.92	97	189215	10.161	ug/l 98
29) 1,1-Dichloropropene	5.14	75	154618	10.526	ug/l 97
30) Carbon Tetrachloride	5.14	117	176868	10.070	ug/l 96
31) Isopropyl Ether	3.58	45	317858	10.651	ug/l # 1
33) Tert-Amyl methyl ether	5.38	73	7440	0.333	ug/l # 1
34) Propionitrile	4.34	54	81276	102.763	ug/l # 92
35) Benzene	5.39	78	438868	10.336	ug/l 99
36) 1,2-Dichloroethane	5.41	62	130730	9.933	ug/l 98
37) Trichloroethene	6.19	130	119973	10.042	ug/l 99
38) 1,2-Dichloropropane	6.44	63	112172	10.200	ug/l 97
39) Methacrylonitrile	4.55	41	35067	10.505	ug/l 90
40) Methyl acrylate	4.43	55	53869	10.641	ug/l # 91
41) Tetrahydrofuran	4.65	42	89077	47.966	ug/l 93
42) 1-Chlorobutane	5.07	56	212685	10.701	ug/l 97
43) Dibromomethane	6.56	93	57625	9.863	ug/l 97

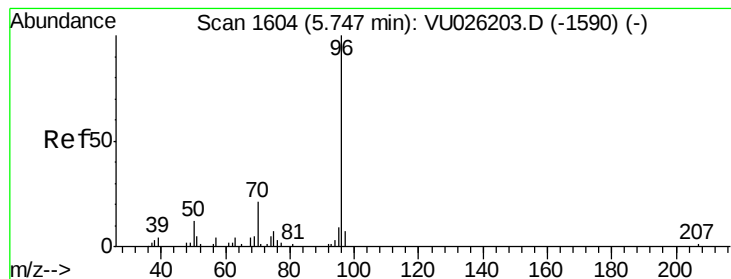
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.76	83	151605	10.053	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	407696	68.843	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	107002	35.404	ug/l #	34
47) Methyl methacrylate	6.63	69	49846	11.166	ug/l	96
48) Ethyl methacrylate	8.02	69	95443	11.683	ug/l	99
49) Toluene	7.64	92	278061	11.470	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	145450	11.305	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	162987	10.923	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	81973	10.344	ug/l	95
53) 1,3-Dichloropropane	8.25	76	138031	10.485	ug/l	100
54) 2-Hexanone	8.37	43	310011	73.525	ug/l	97
55) Dibromochloromethane	8.48	129	107390	10.139	ug/l	100
56) 1,2-Dibromoethane	8.59	107	80583	10.452	ug/l	99
58) Tetrachloroethene	8.23	164	115411	10.217	ug/l	99
59) Chlorobenzene	9.12	112	308550	10.987	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	115730	10.334	ug/l	98
61) Pentachloroethane	11.10	117	96338	10.084	ug/l	95
62) Hexachloroethane	12.15	117	98741	10.359	ug/l	98
63) Ethyl Benzene	9.25	91	529573	11.885	ug/l	99
64) m/p-Xylenes	9.38	106	434323	24.418	ug/l	96
65) o-Xylene	9.78	106	198436	11.701	ug/l	100
66) Styrene	9.79	104	344064	11.852	ug/l	99
67) Bromoform	9.96	173	65037	10.423	ug/l	99
69) Isopropylbenzene	10.17	105	554561	12.368	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	101183	10.178	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	107002	15.036	ug/l #	83
72) Bromobenzene	10.45	156	139288	11.101	ug/l	95
73) n-propylbenzene	10.59	120	158093	12.059	ug/l	93
74) 2-Chlorotoluene	10.66	126	133400	11.277	ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	483294	12.128	ug/l	99
76) 4-Chlorotoluene	10.77	126	147116	12.100	ug/l	93
77) tert-Butylbenzene	11.10	119	463966	11.687	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	499762	12.121	ug/l	100
79) sec-Butylbenzene	11.33	105	595829	11.458	ug/l	98
80) Nitrobenzene	12.86	77	5810	13.377	ug/l #	95
81) p-Isopropyltoluene	11.48	119	537000	12.208	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	285457	10.802	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	284610	10.787	ug/l	98
84) n-Butylbenzene	11.89	91	513015	12.050	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	258363	10.647	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	18511	10.580	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	206834	12.118	ug/l	99
88) Hexachlorobutadiene	13.69	225	115500	11.062	ug/l	98
89) Naphthalene	13.74	128	339490	12.627	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	183693	11.426	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 36846

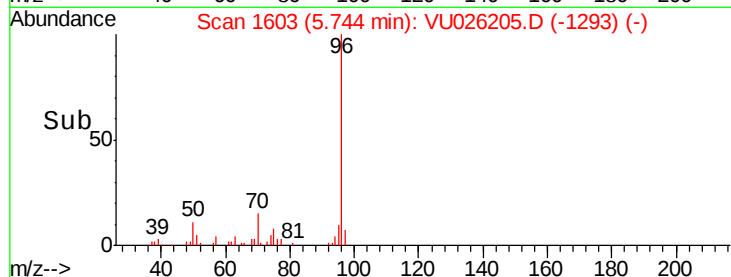
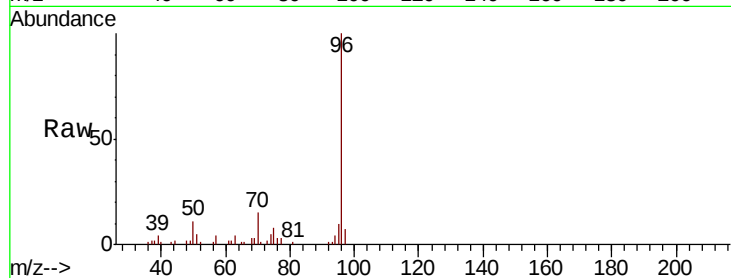
Ion Ratio Lower Upper

96 100

70 16.7 16.2 24.4

95 9.6 6.9 10.3

97 0.0 0.0 0.0

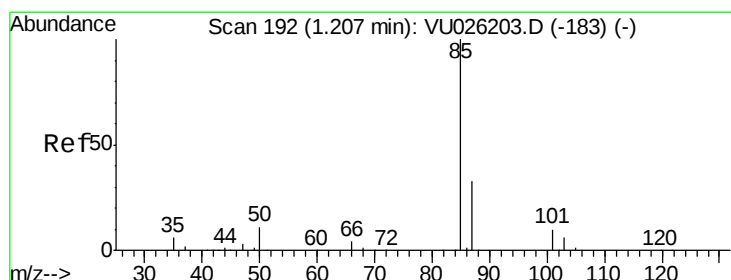
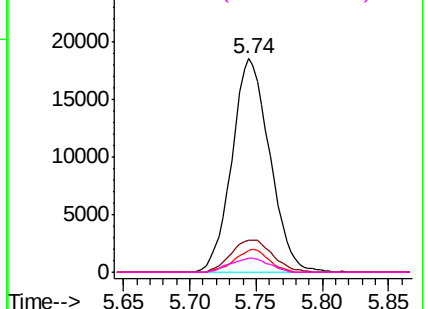


Abundance Ion 96.00 (95.70 to 96.70): VU026205.D (-1293) (-)

Ion 70.00 (69.70 to 70.70): VU026205.D (-1293) (-)

Ion 95.00 (94.70 to 95.70): VU026205.D (-1293) (-)

Ion 97.00 (96.70 to 97.70): VU026205.D (-1293) (-)



#2

Dichlorodifluoromethane

Concen: 7.193 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026205.D

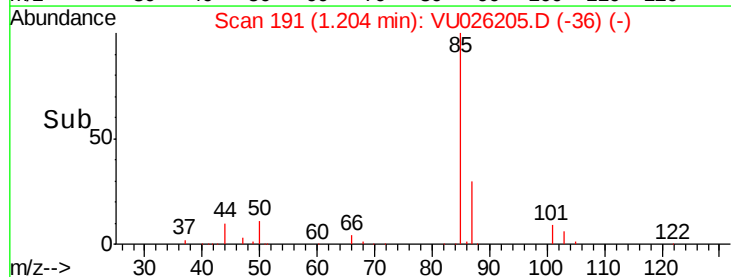
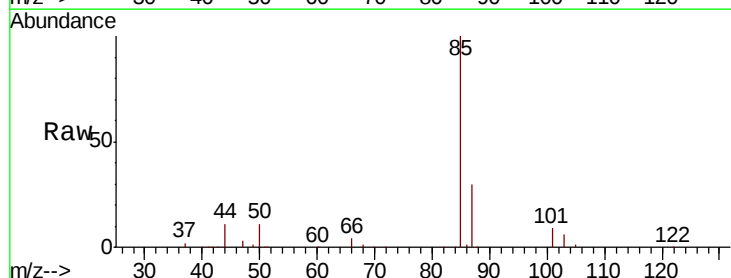
Acq: 20 Aug 2018 13:36

Tgt Ion: 85 Resp: 103102

Ion Ratio Lower Upper

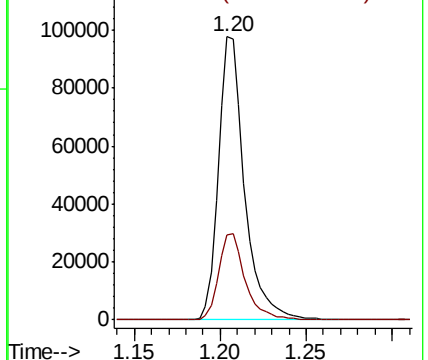
85 100

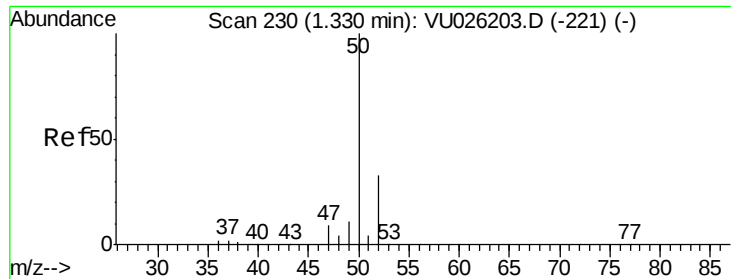
87 30.2 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU026205.D (-36) (-)

Ion 87.00 (86.70 to 87.70): VU026205.D (-36) (-)

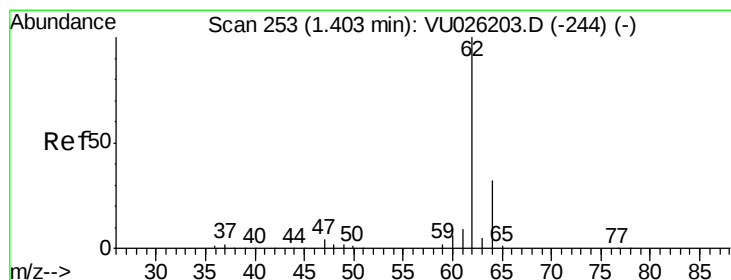
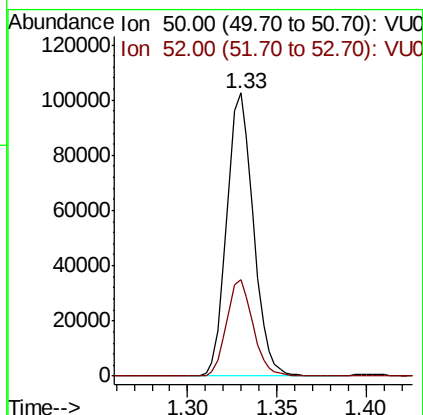
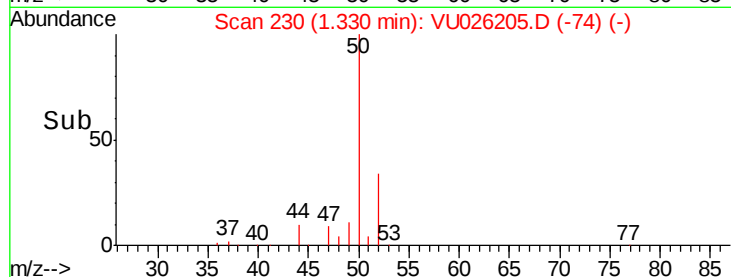
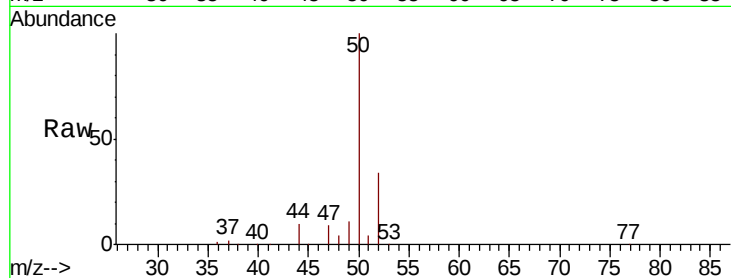




#3
Chloromethane
Concen: 8.728 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

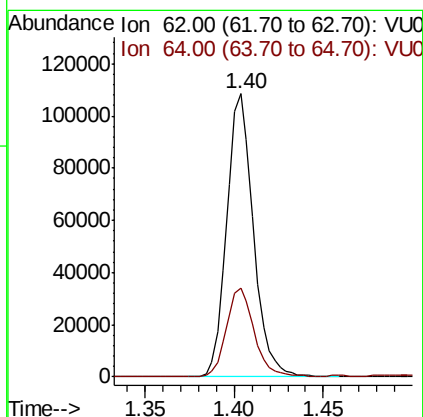
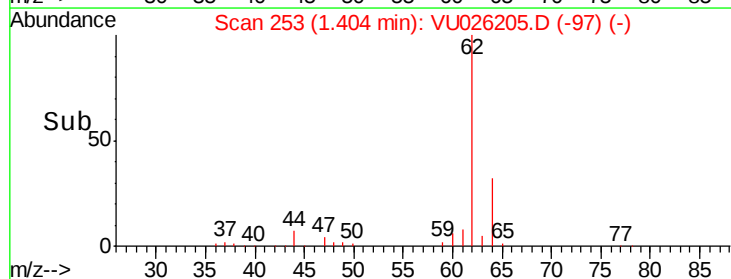
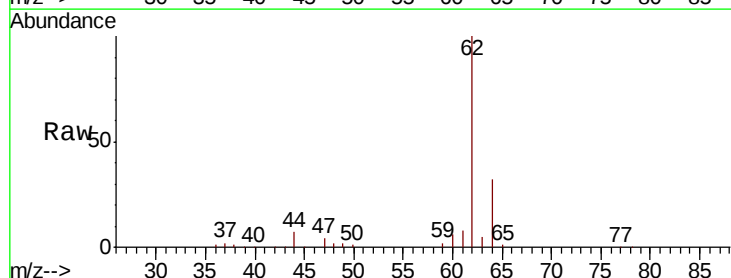
Instrument :
MSVOA_U
ClientSampled :

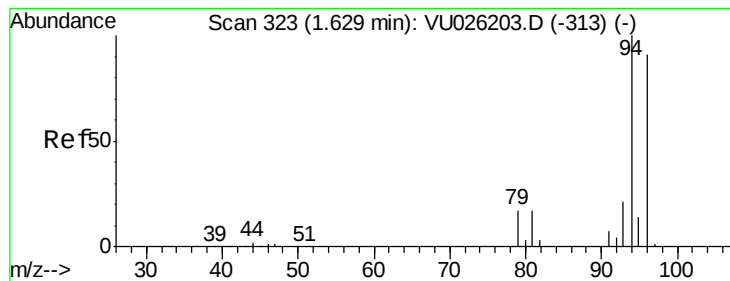
Tot Ion: 50 Resp: 106778
Ion Ratio Lower Upper
50 100
52 33.9 26.0 39.0



#4
Vinyl Chloride
Concen: 9.180 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 62 Resp: 112302
Ion Ratio Lower Upper
62 100
64 31.5 25.8 38.8





#5

Bromomethane

Concen: 10.304 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

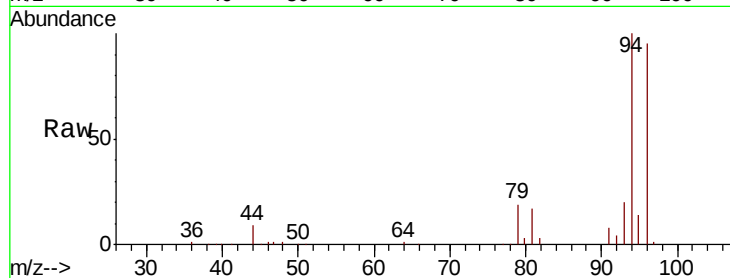
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 69299

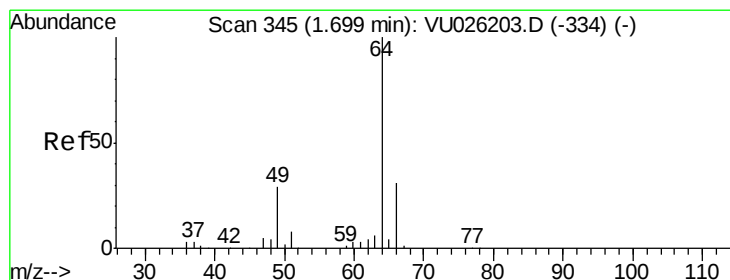
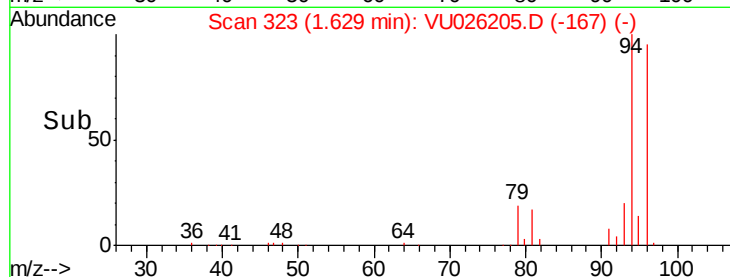
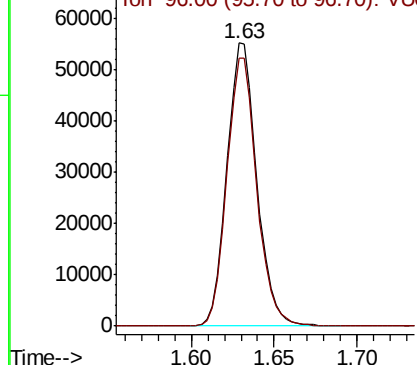
Ion Ratio Lower Upper

94 100

96 94.9 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 8.933 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026205.D

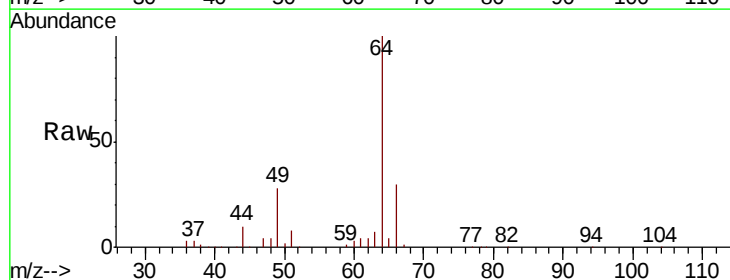
Acq: 20 Aug 2018 13:36

Tgt Ion: 64 Resp: 65451

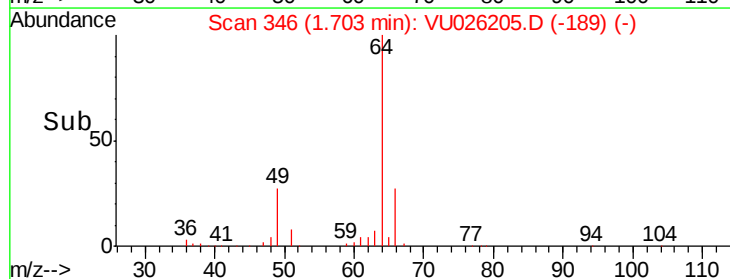
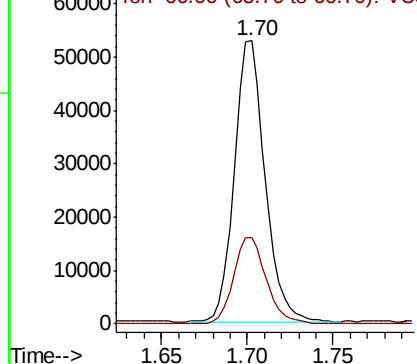
Ion Ratio Lower Upper

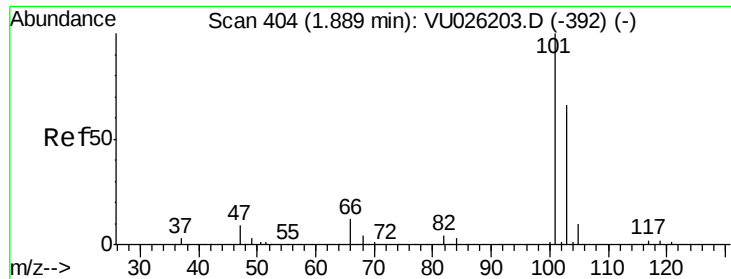
64 100

66 30.7 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0
Ion 66.00 (65.70 to 66.70): VU0



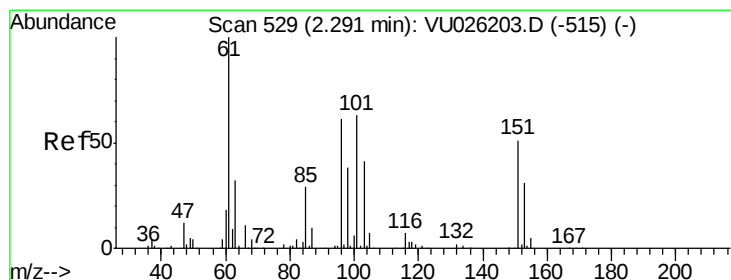
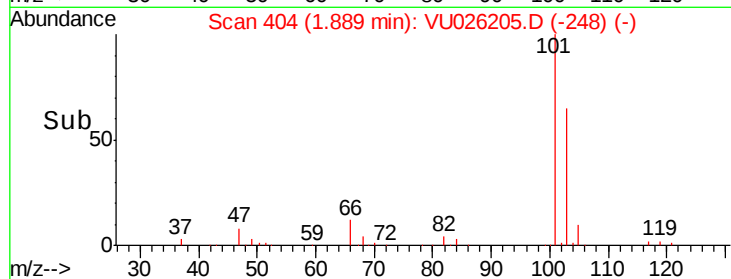
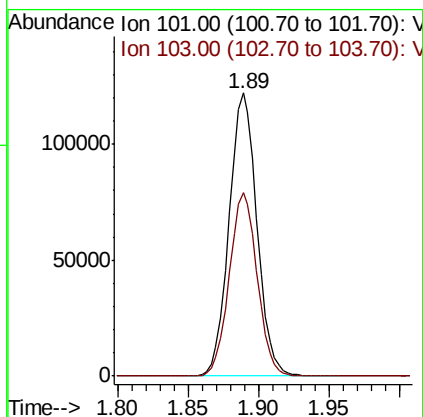
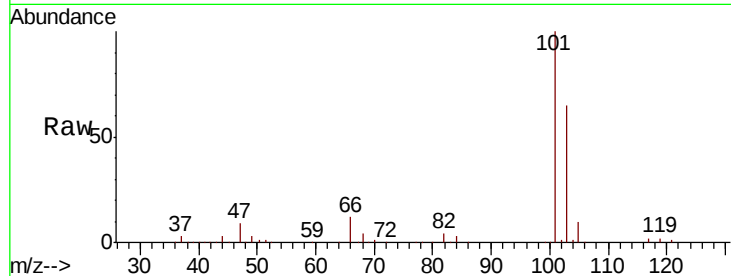


#7

Trichlorofluoromethane
 Concen: 9.328 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampled :

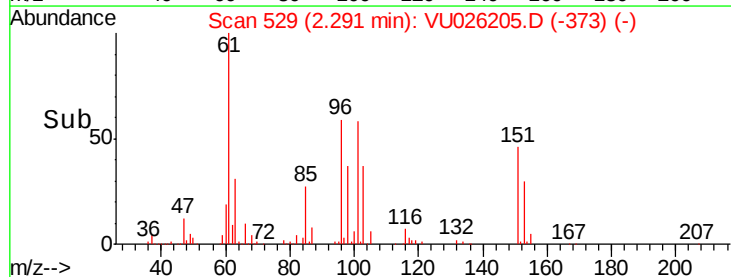
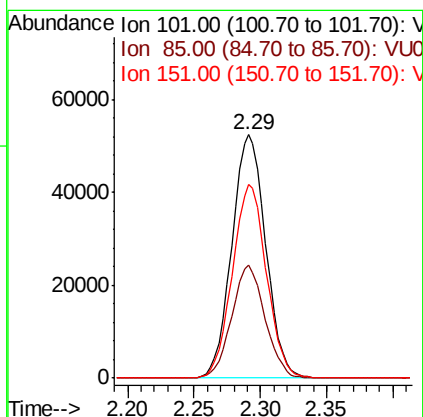
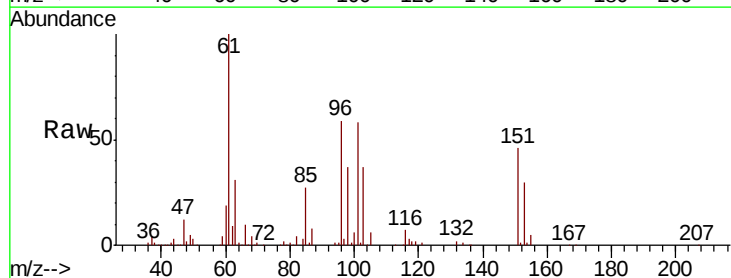
Tot Ion:101 Resp: 168605
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.0

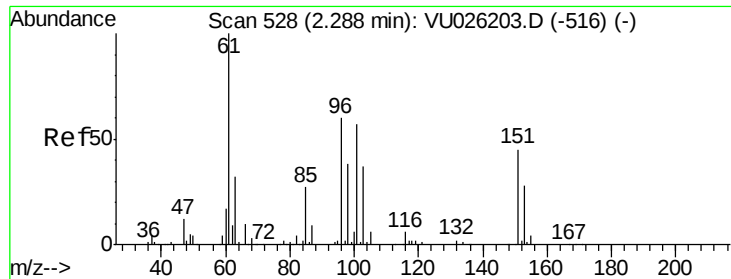


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.286 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion:101 Resp: 93063
 Ion Ratio Lower Upper
 101 100
 85 45.6 35.2 52.8
 151 80.0 63.5 95.3





#9

1,1-Dichloroethene

Concen: 9.996 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampled :

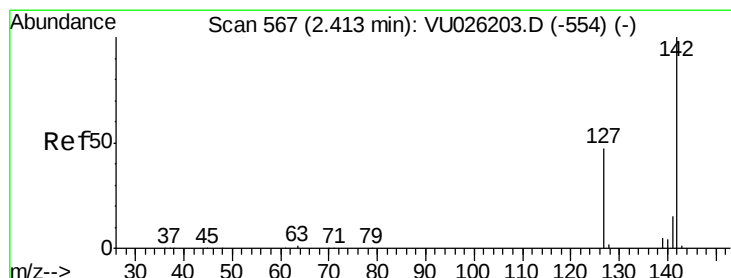
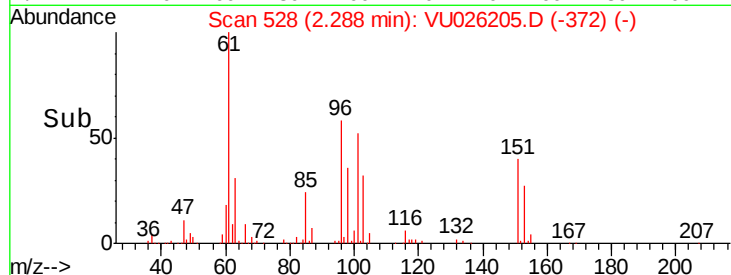
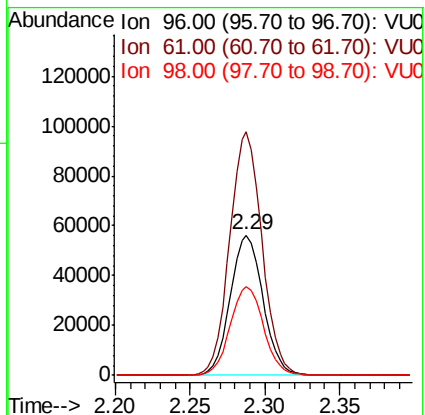
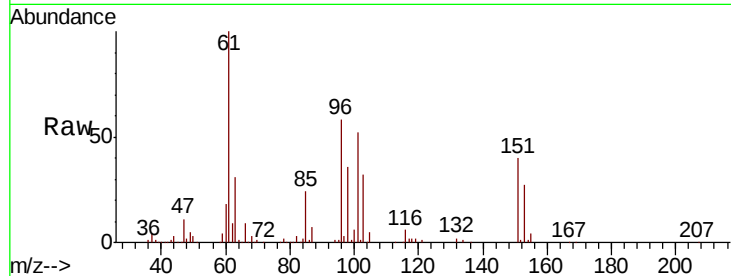
Tot Ion: 96 Resp: 85564

Ion Ratio Lower Upper

96 100

61 173.8 0.0 526.5

98 63.1 0.0 123.4



#10

Iodomethane

Concen: 10.866 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU026205.D

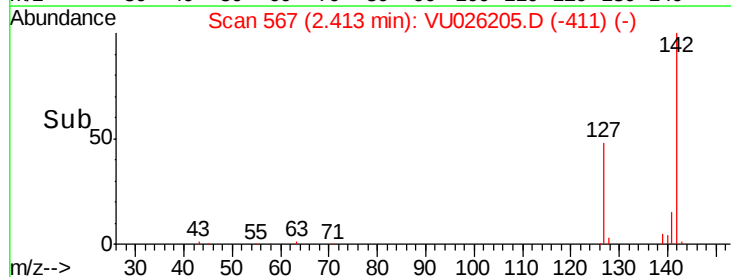
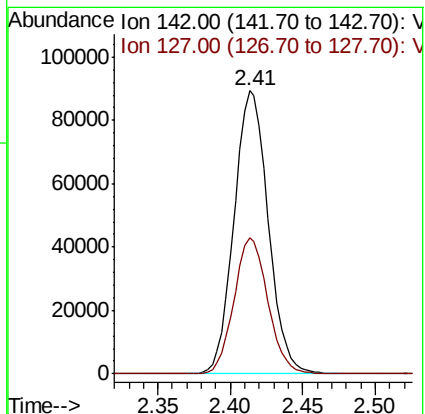
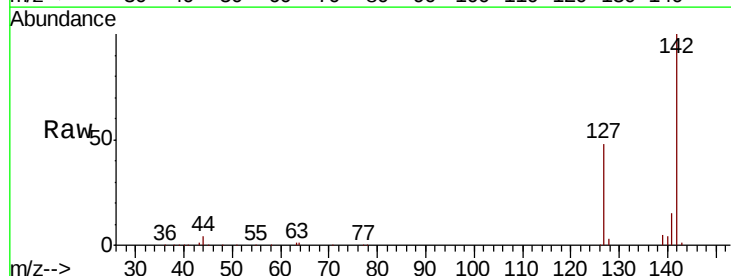
Acq: 20 Aug 2018 13:36

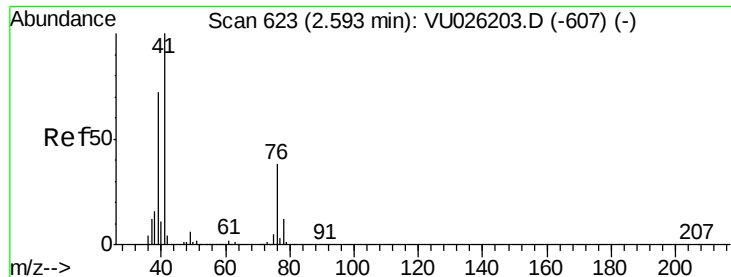
Tgt Ion: 142 Resp: 146154

Ion Ratio Lower Upper

142 100

127 47.8 34.5 51.7

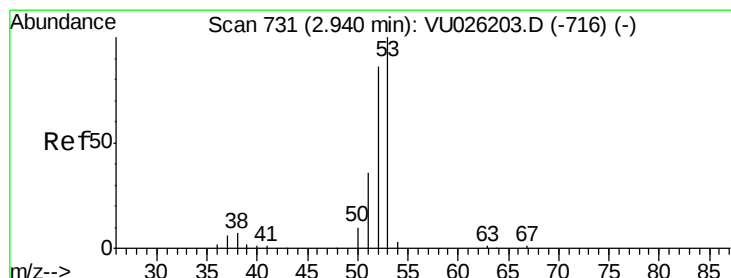
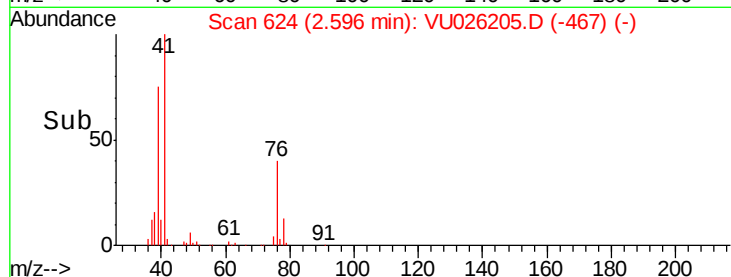
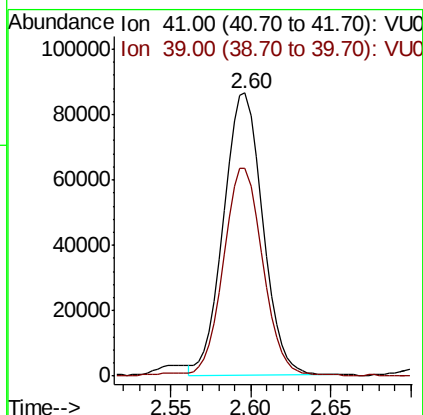
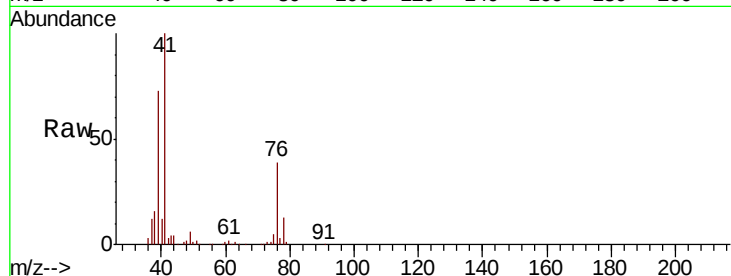




#11
Allvl Chloride
Concen: 10.014 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

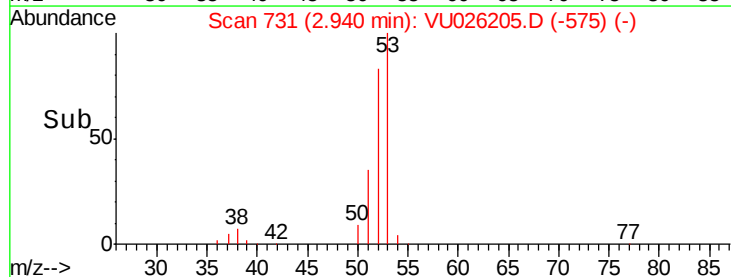
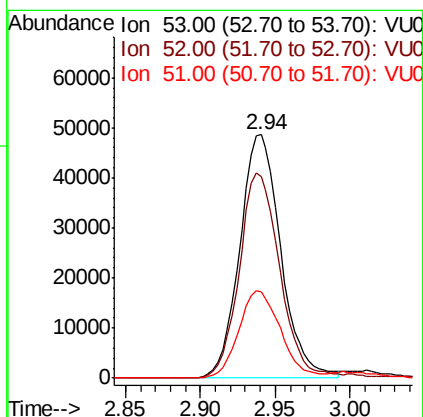
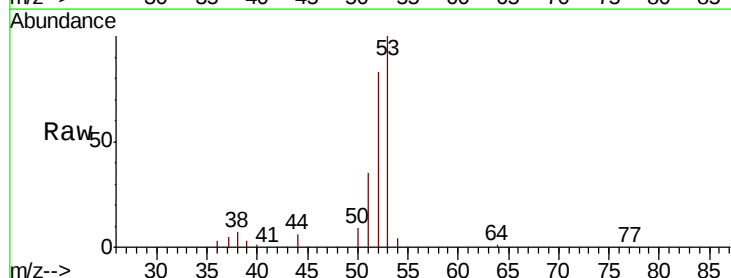
Instrument :
MSVOA_U
ClientSampleId :

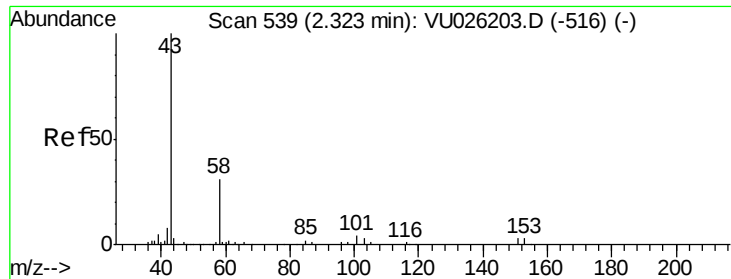
Tot Ion: 41 Resp: 144094
Ion Ratio Lower Upper
41 100
39 74.4 51.4 77.2



#12
Acrylonitrile
Concen: 47.985 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 53 Resp: 93087
Ion Ratio Lower Upper
53 100
52 83.2 65.1 97.7
51 36.4 30.2 45.4





#13

Acetone

Concen: 95.077 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

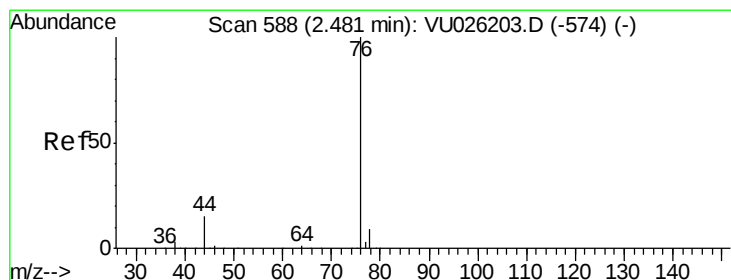
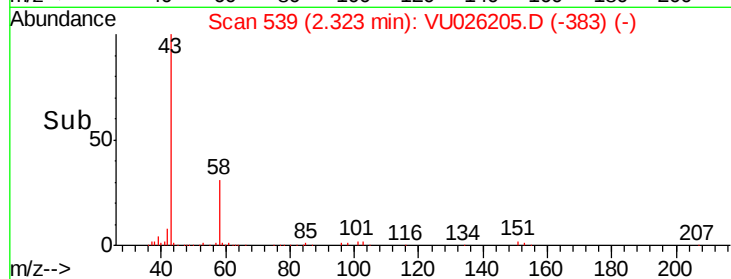
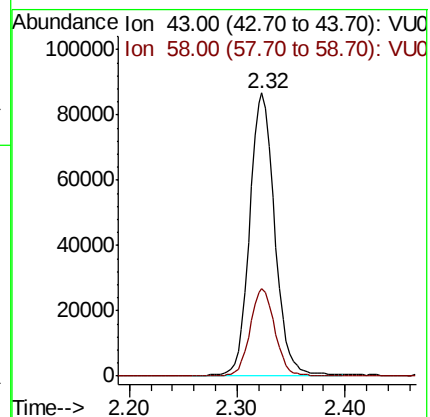
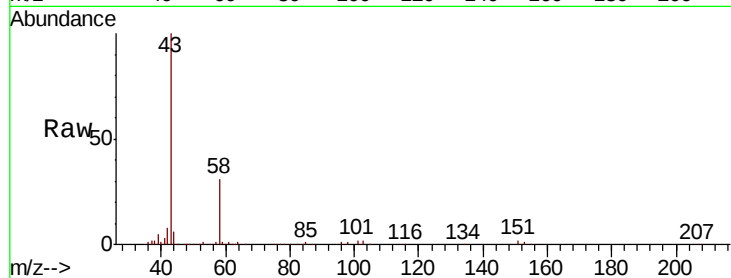
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 139404

Ion Ratio Lower Upper

43 100

58 31.1 26.0 39.0



#14

Carbon Disulfide

Concen: 9.809 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026205.D

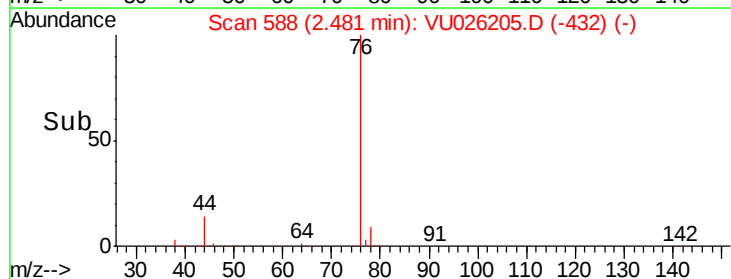
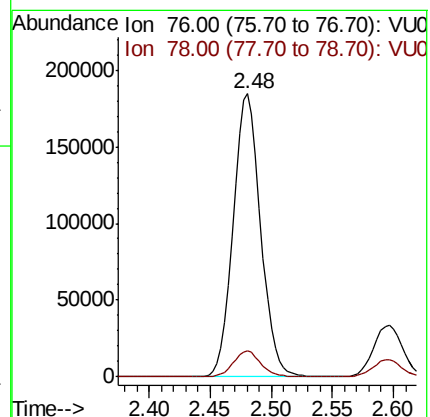
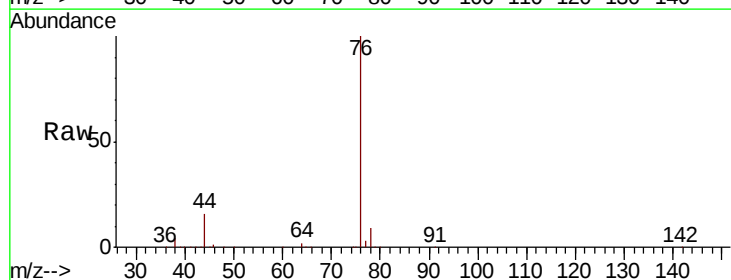
Acq: 20 Aug 2018 13:36

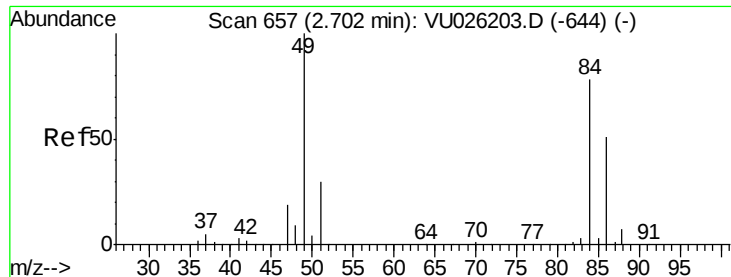
Tgt Ion: 76 Resp: 290130

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

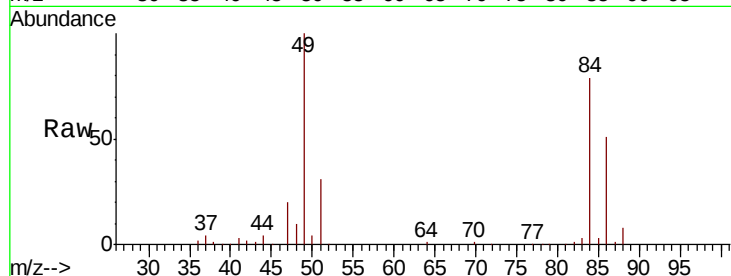




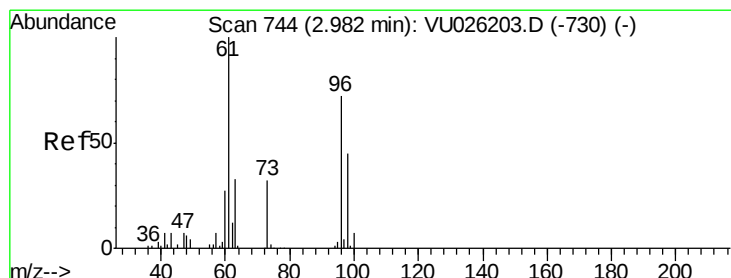
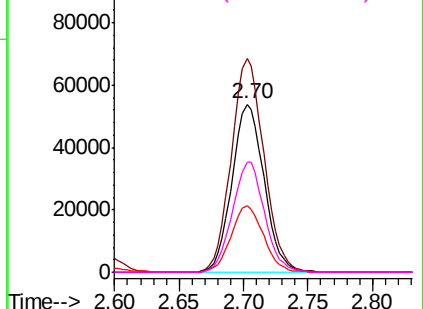
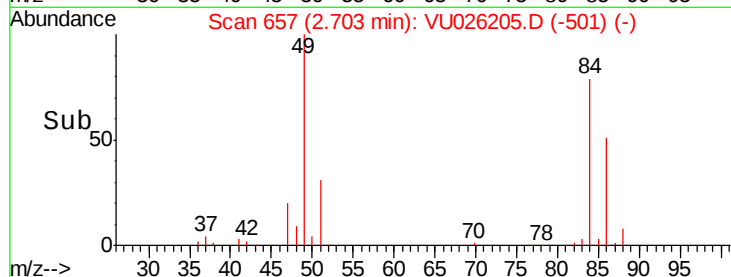
#15
Methvlene Chloride
Concen: 10.446 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 93412
Ion Ratio Lower Upper
84 100
49 127.0 108.7 163.1
51 39.3 0.0 82.4
86 65.2 50.7 76.1

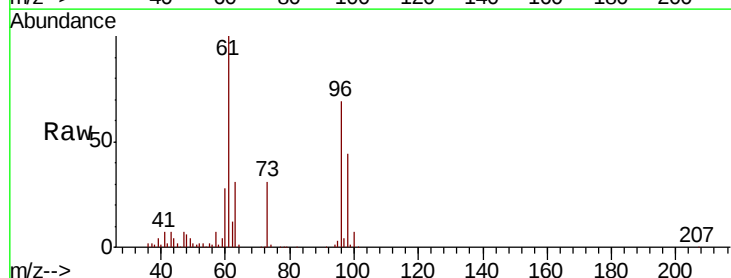


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

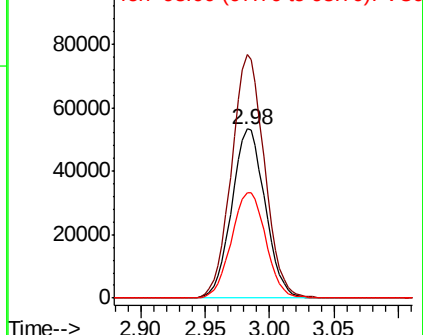
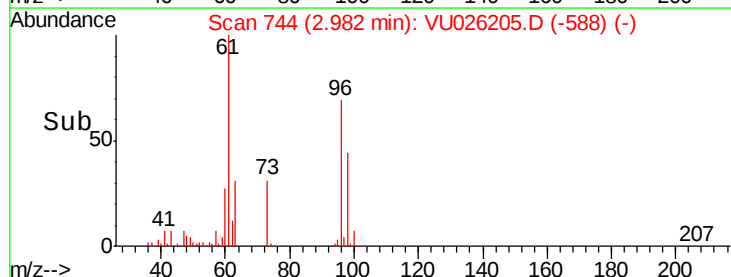


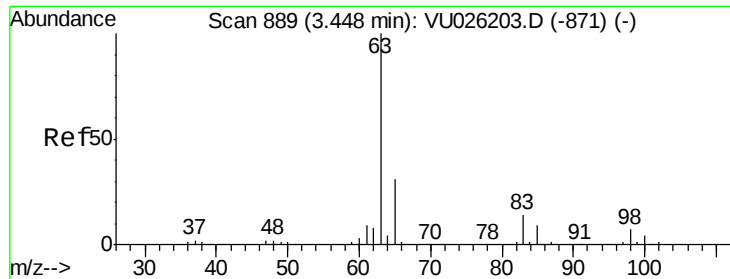
#16
trans-1,2-Dichloroethene
Concen: 9.724 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 96 Resp: 96283
Ion Ratio Lower Upper
96 100
61 144.3 123.9 185.9
98 62.8 50.6 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

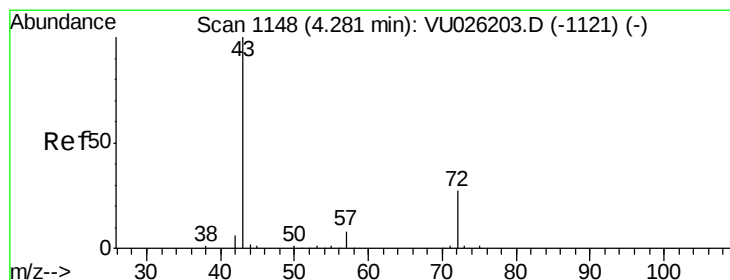
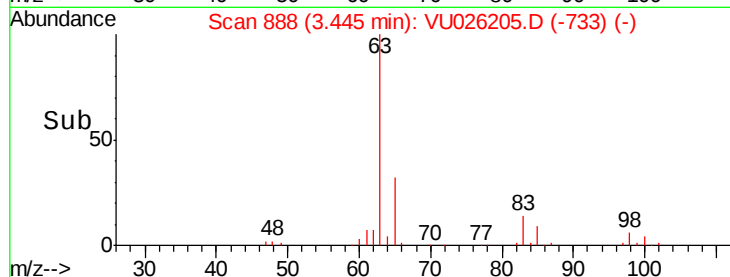
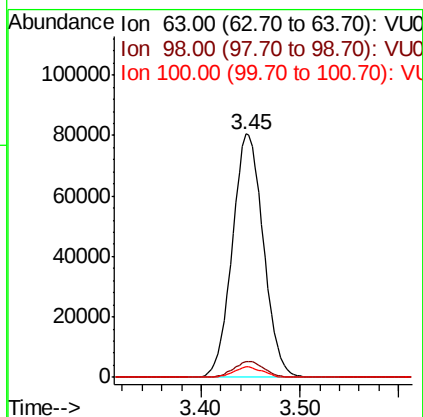
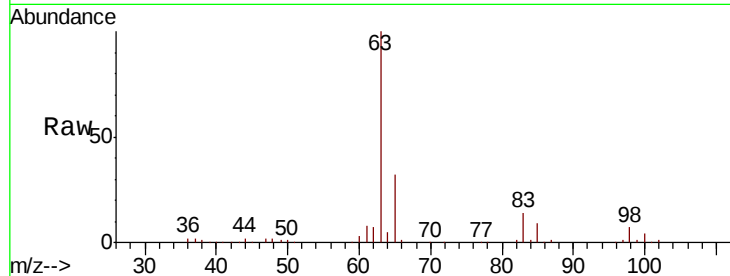




#17
 1,1-Dichloroethane
 Concen: 9.730 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

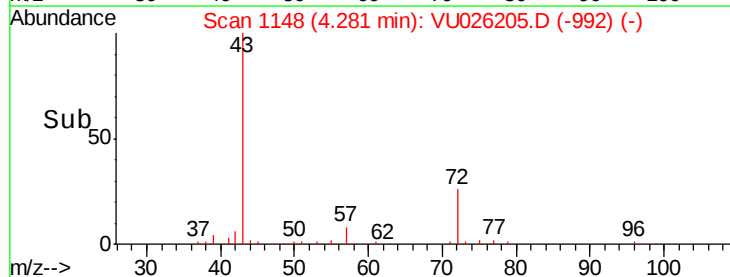
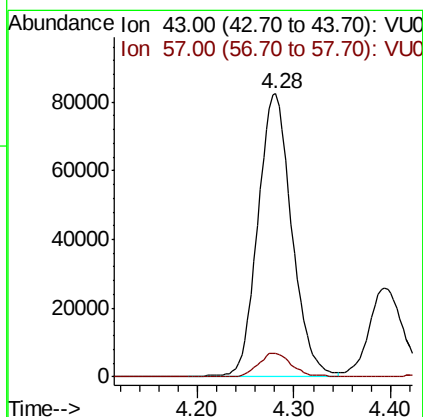
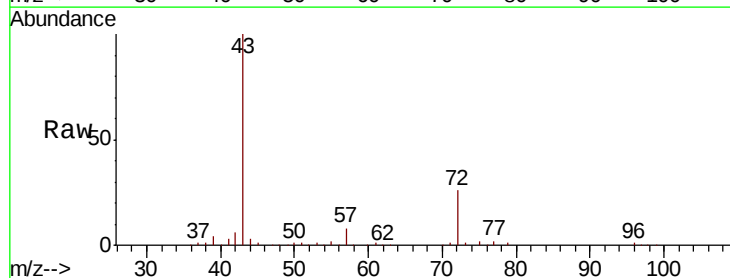
Instrument :
 MSVOA_U
 ClientSampleId :

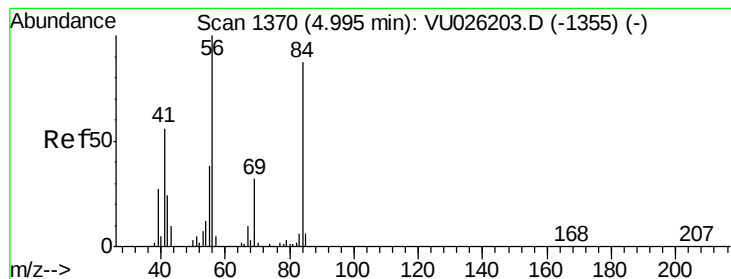
Tot Ion: 63 Resp: 176264
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.8
 100 4.3 2.0 5.8



#18
 2-Butanone
 Concen: 72.464 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 43 Resp: 201234
 Ion Ratio Lower Upper
 43 100
 57 8.3 0.0 15.8





#19

Cyclohexane

Concen: 11.008 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

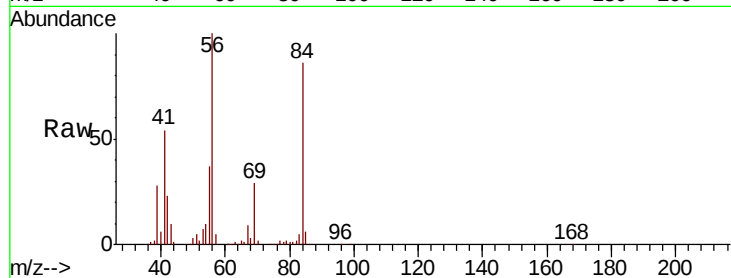
Tot Ion: 56 Resp: 146608

Ion Ratio Lower Upper

56 100

69 35.1 26.0 39.0

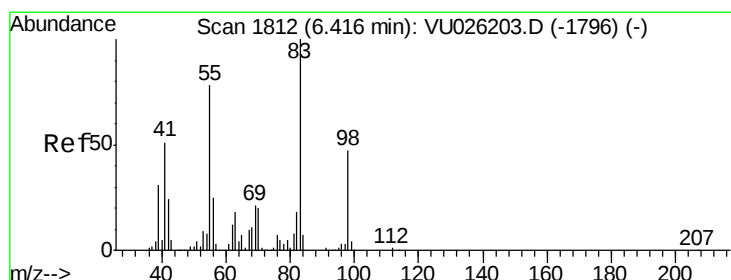
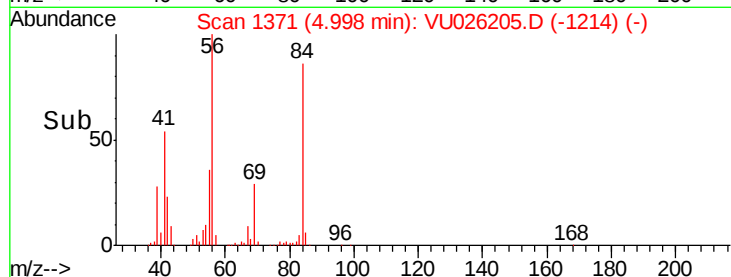
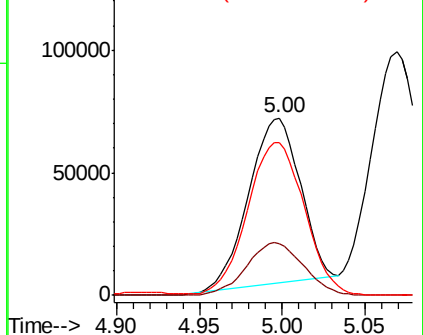
84 101.0 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 11.301 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

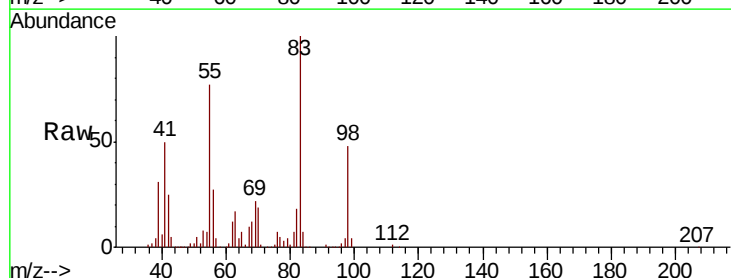
Tgt Ion: 83 Resp: 176218

Ion Ratio Lower Upper

83 100

55 78.2 66.4 99.6

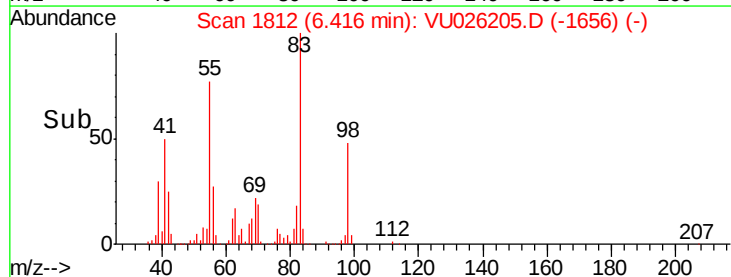
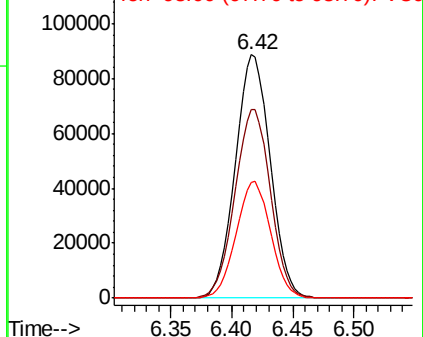
98 47.4 35.4 53.2

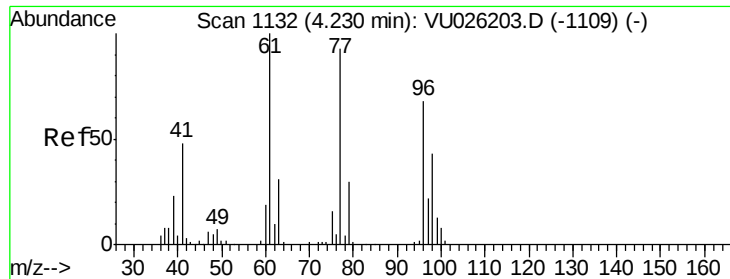


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

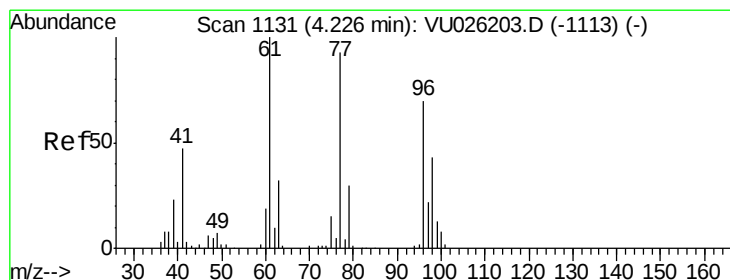
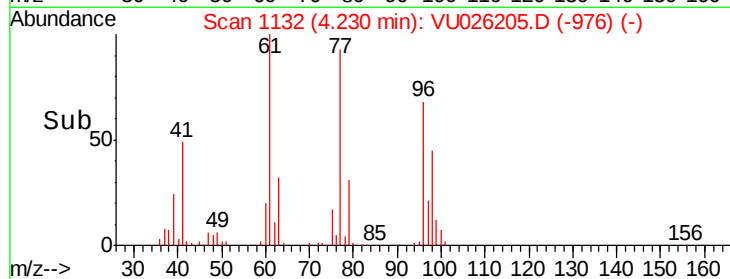
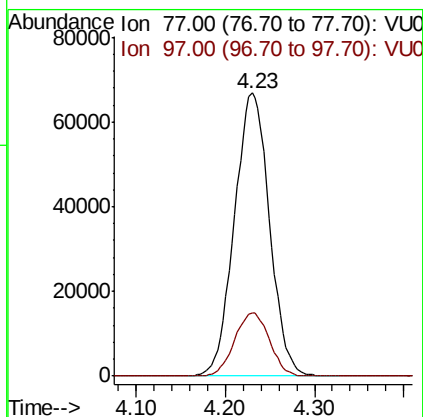
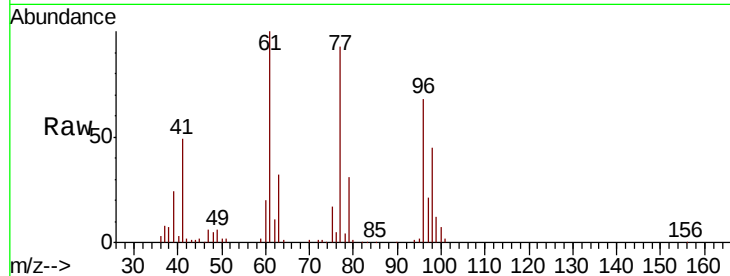




#21
 2,2-Dichloropropane
 Concen: 9.792 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

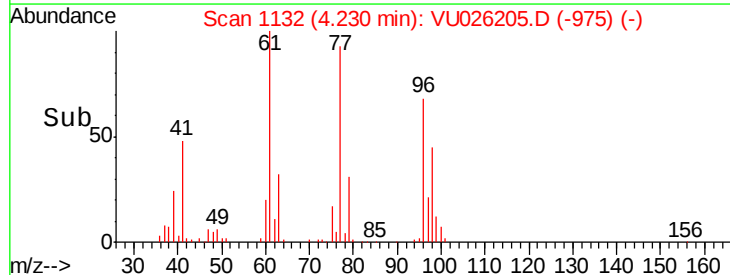
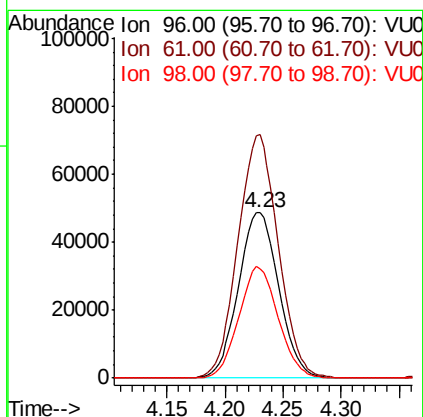
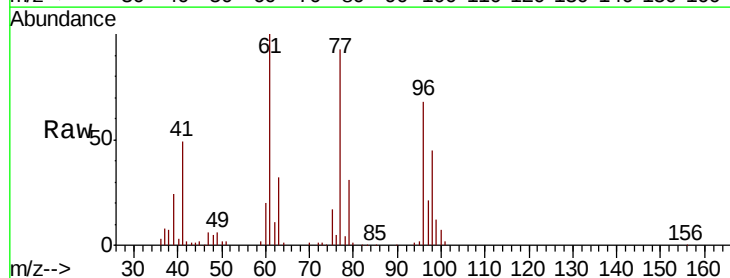
Instrument :
 MSVOA_U
 ClientSampled :

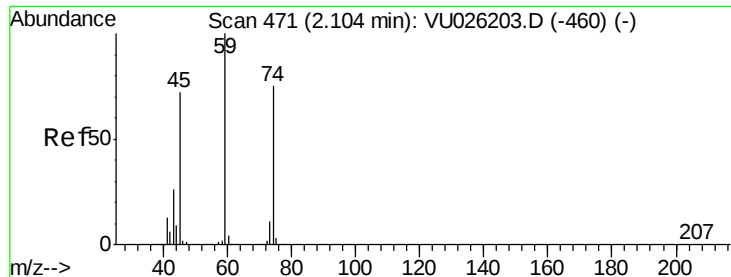
Tot Ion: 77 Resp: 182350
 Ion Ratio Lower Upper
 77 100
 97 22.3 17.9 26.9



#22
 cis-1,2-Dichloroethene
 Concen: 9.853 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 96 Resp: 118400
 Ion Ratio Lower Upper
 96 100
 61 146.9 0.0 400.5
 98 65.4 32.2 96.6





#23

Diethyl Ether

Concen: 9.658 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :

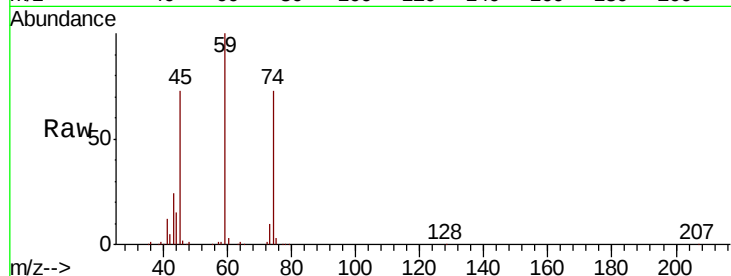
Tot Ion: 59 Resp: 63270

Ion Ratio Lower Upper

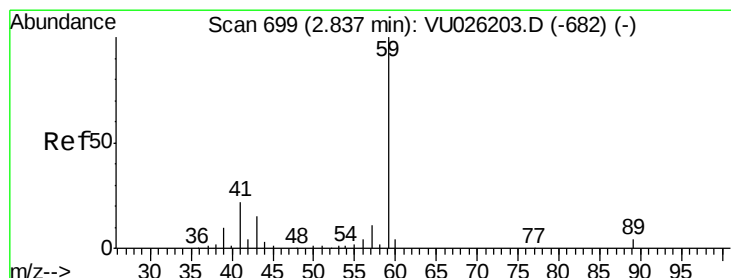
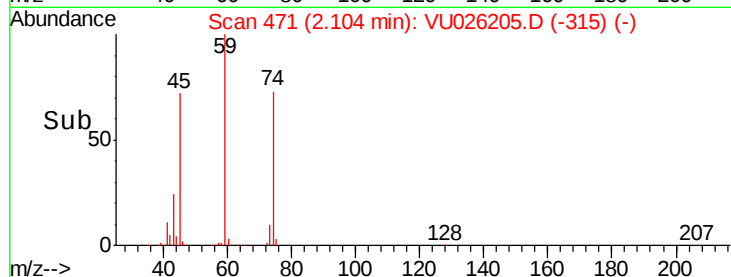
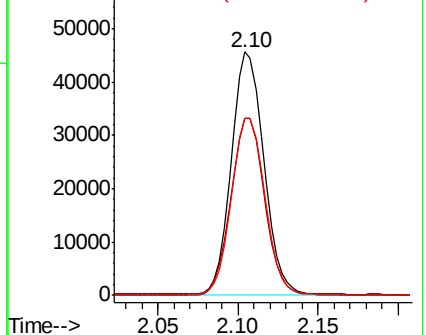
59 100

45 73.6 60.0 90.0

74 74.9 56.5 84.7



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 45.181 ug/l

RT: 2.83 min Scan# 698

Delta R.T. -0.00 min

Lab File: VU026205.D

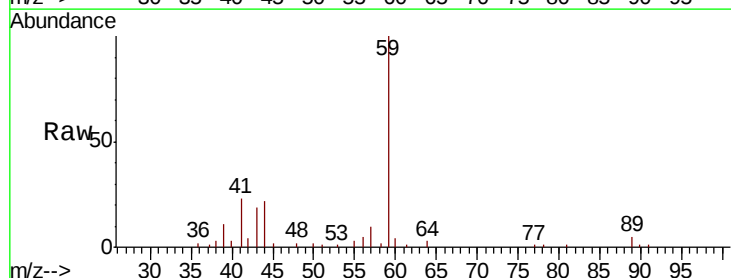
Acq: 20 Aug 2018 13:36

Tgt Ion: 59 Resp: 30298

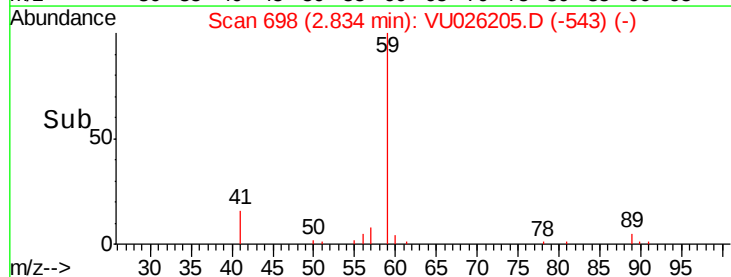
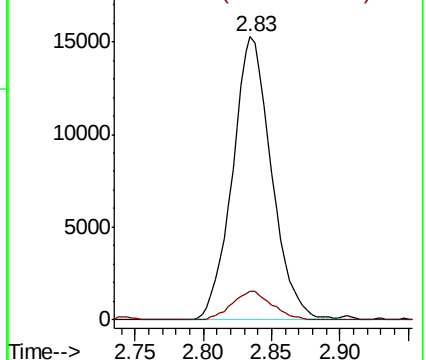
Ion Ratio Lower Upper

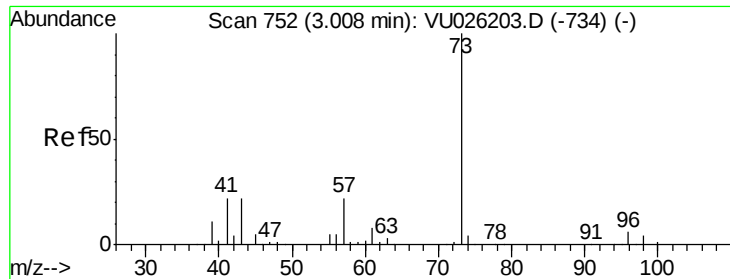
59 100

57 10.4 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



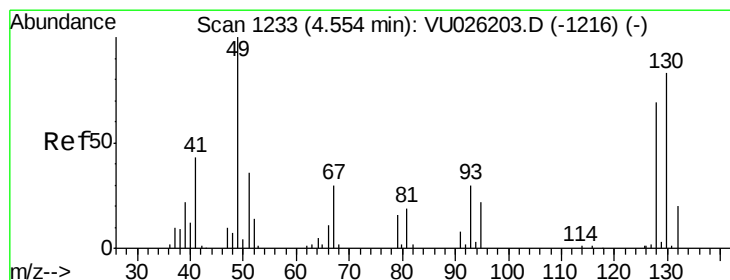
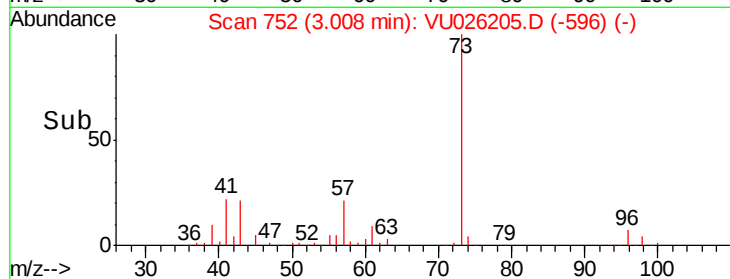
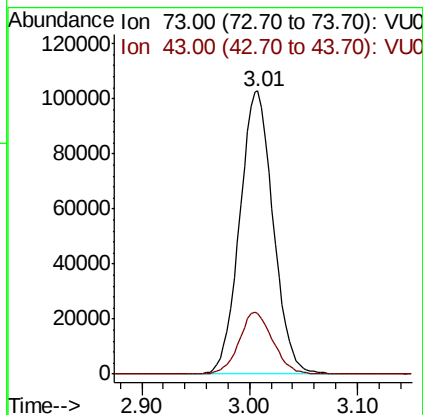
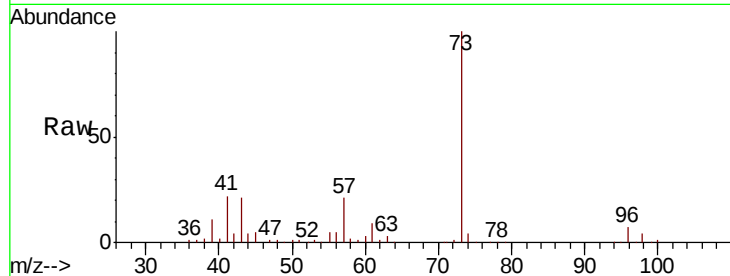


#25

Methyl tert-Butyl Ether
 Concen: 9.948 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampled :

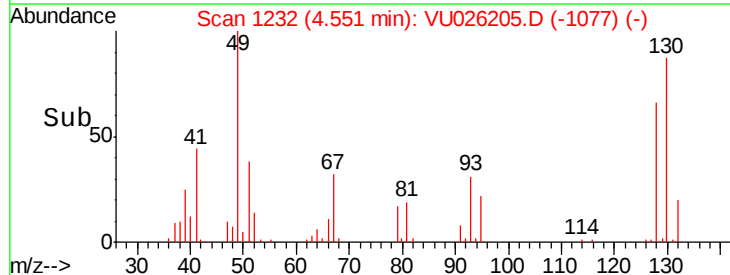
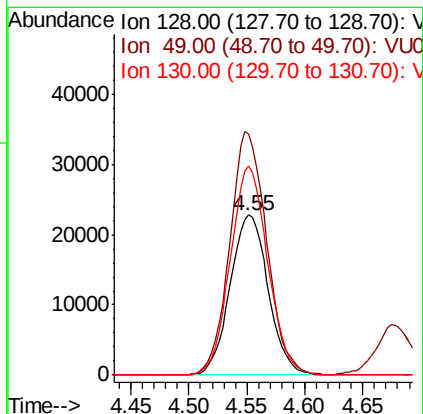
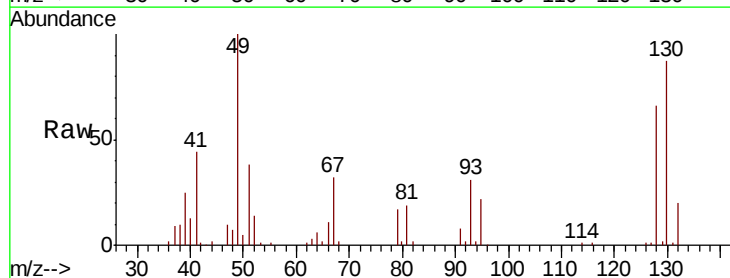
Tot Ion: 73 Resp: 221933
 Ion Ratio Lower Upper
 73 100
 43 21.4 16.2 24.2

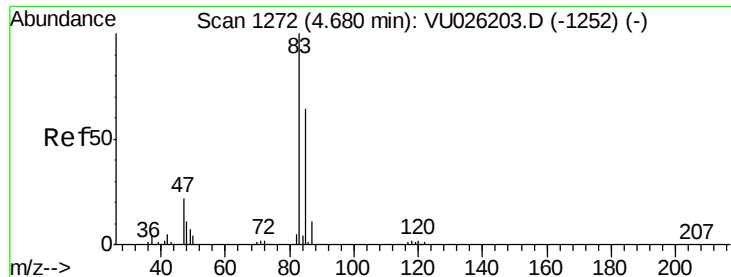


#26

Bromochloromethane
 Concen: 9.694 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 128 Resp: 52083
 Ion Ratio Lower Upper
 128 100
 49 147.1 0.0 375.2
 130 128.4 105.8 158.6





#27

Chloroform

Concen: 9.714 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

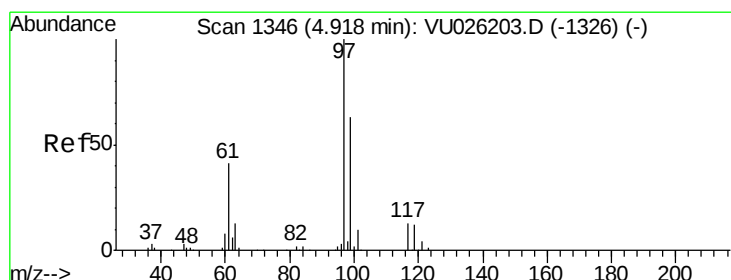
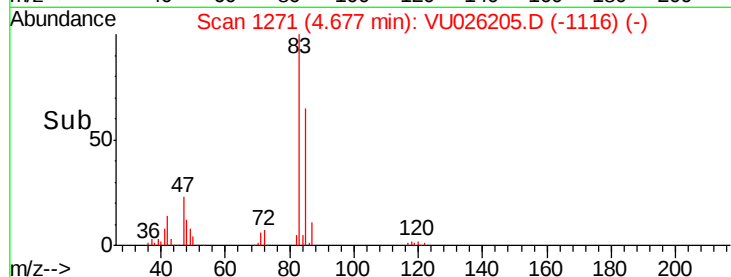
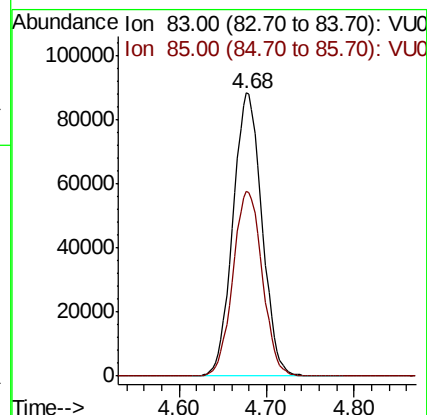
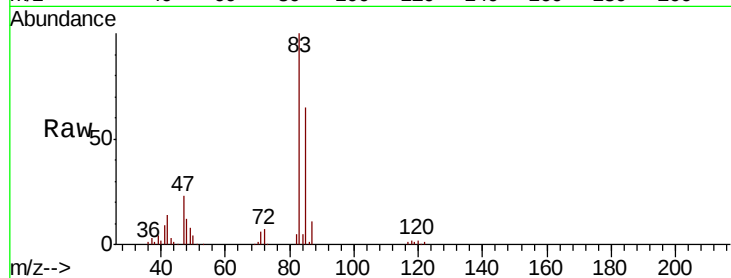
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 203495

Ion Ratio Lower Upper

83 100

85 65.4 0.0 128.4



#28

1,1,1-Trichloroethane

Concen: 10.161 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

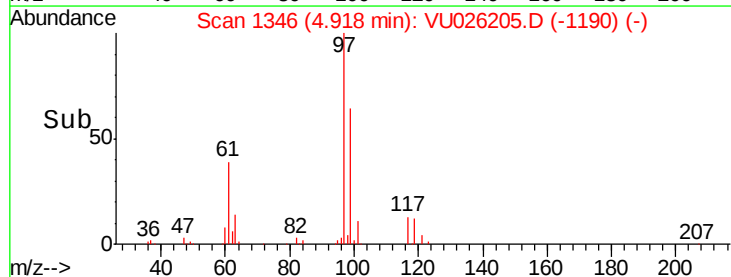
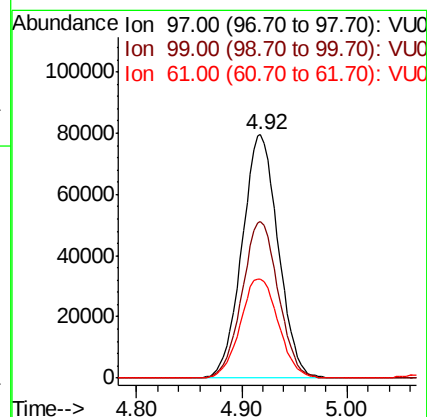
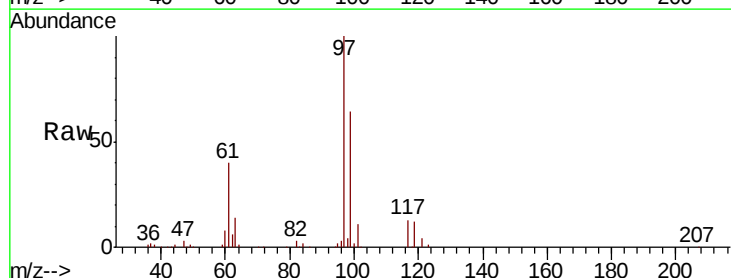
Tgt Ion: 97 Resp: 189215

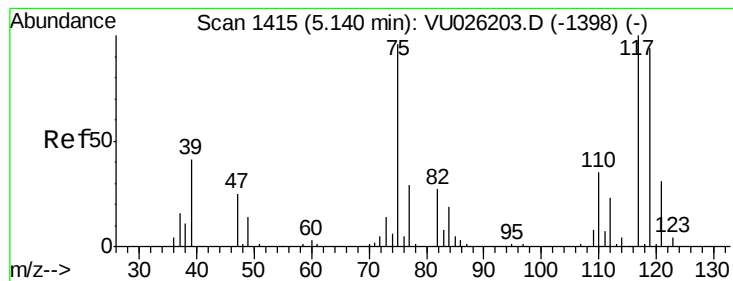
Ion Ratio Lower Upper

97 100

99 64.7 32.3 96.9

61 42.9 23.2 69.5





#29

1,1-Dichloropropene

Concen: 10.526 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

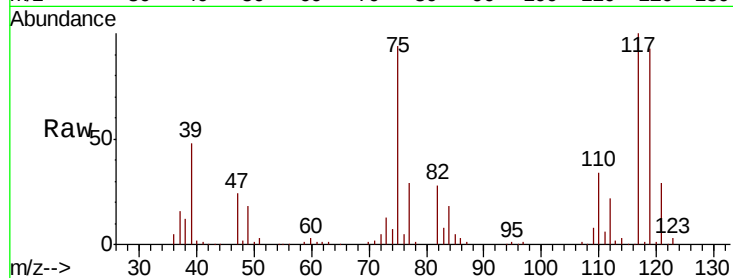
Tot Ion: 75 Resp: 154618

Ion Ratio Lower Upper

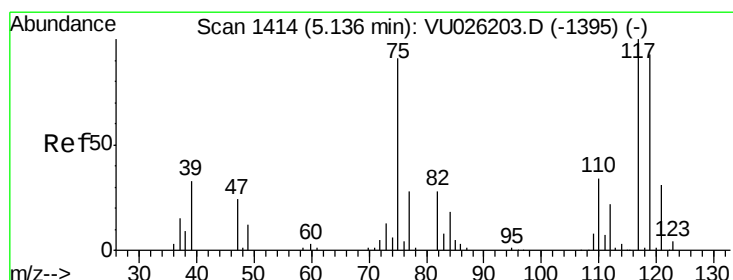
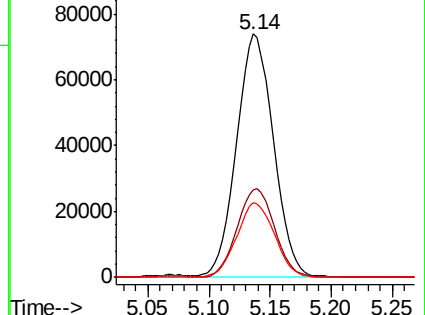
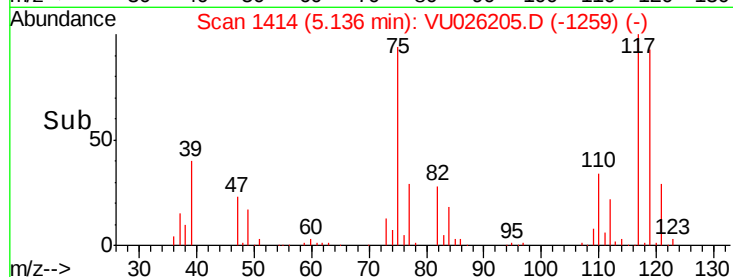
75 100

110 37.0 16.9 50.7

77 31.5 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VU026203.D (-1398) (-)



#30

Carbon Tetrachloride

Concen: 10.070 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

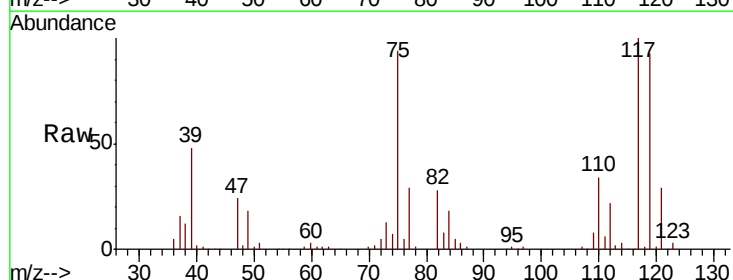
Tgt Ion: 117 Resp: 176868

Ion Ratio Lower Upper

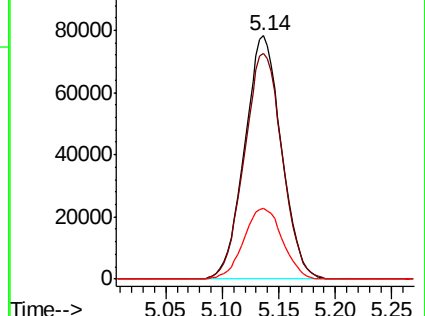
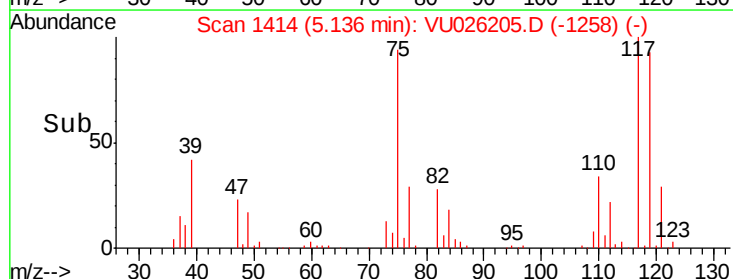
117 100

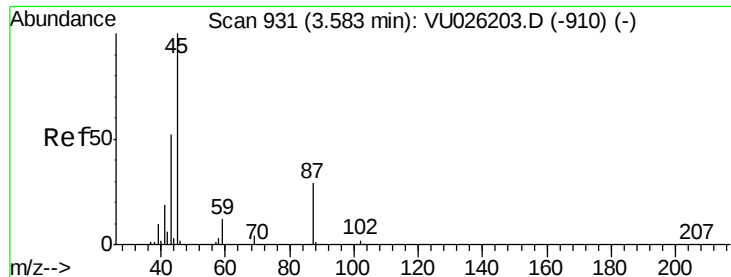
119 92.9 77.3 115.9

121 28.9 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): VU026203.D (-1395) (-)





#31

Isopropyl Ether

Concen: 10.651 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

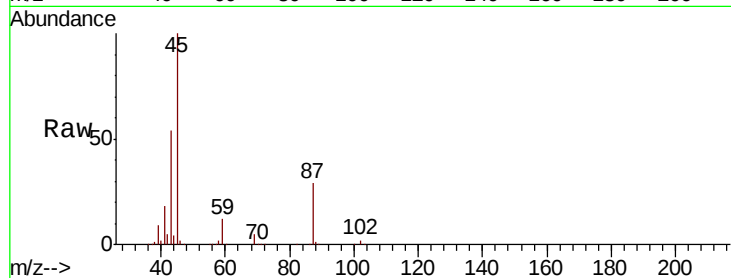
ClientSampleId :

Tot Ion: 45 Resp: 317858

Ion Ratio Lower Upper

45 100

43 232.1 24.0 72.0#



Abundance Ion 45.00 (44.70 to 45.70): VU026203.D (-910) (-)

Ion 43.00 (42.70 to 43.70): VU026203.D (-910) (-)

400000

300000

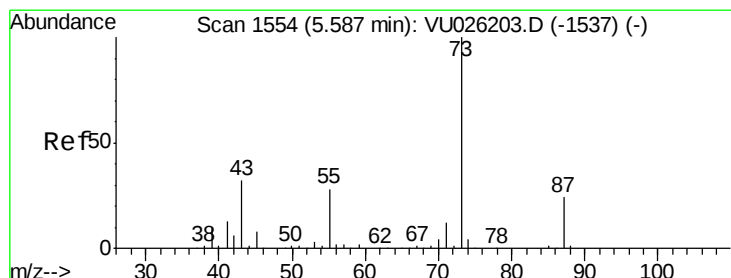
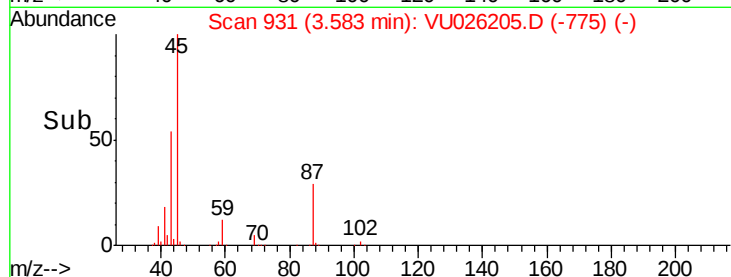
200000

100000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#33

Tert-Amyl methyl ether

Concen: 0.333 ug/l

RT: 5.38 min Scan# 1491

Delta R.T. -0.20 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

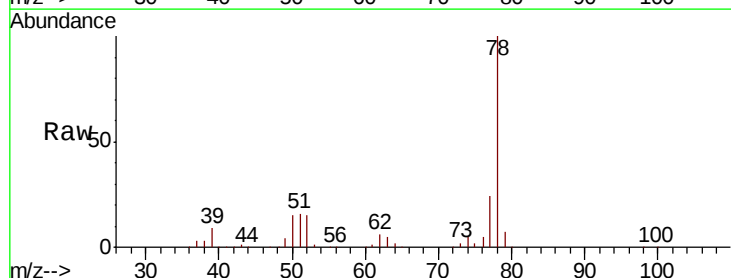
Tgt Ion: 73 Resp: 7440

Ion Ratio Lower Upper

73 100

87 227.2 18.6 28.0#

71 0.0 9.3 13.9#



Abundance Ion 73.00 (72.70 to 73.70): VU026203.D (-1537) (-)

Ion 87.00 (86.70 to 87.70): VU026203.D (-1537) (-)

Ion 71.00 (70.70 to 71.70): VU026203.D (-1537) (-)

4000

3000

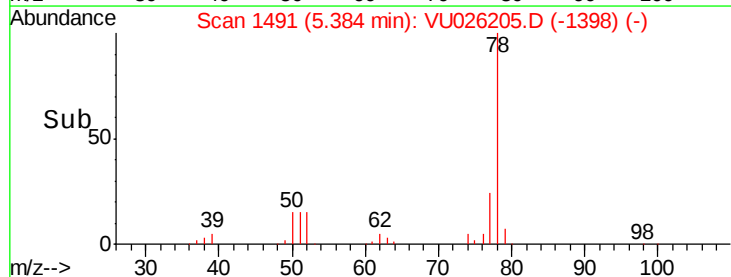
2000

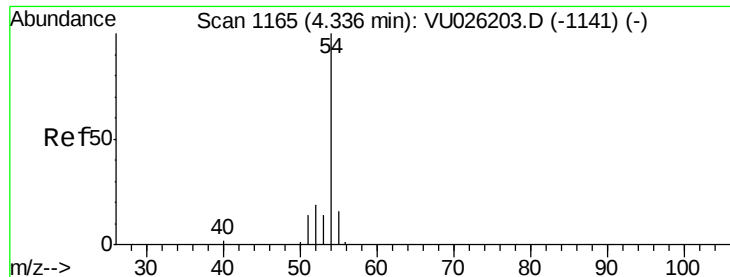
1000

0

5.35 5.40 5.45

Time-->

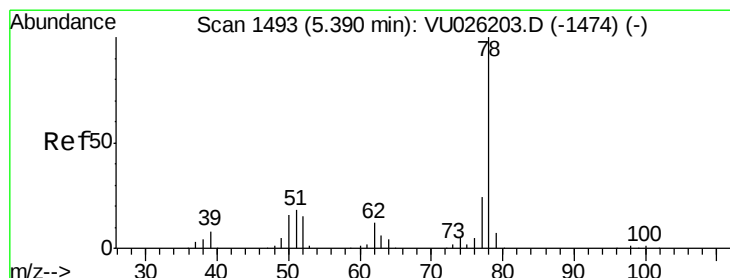
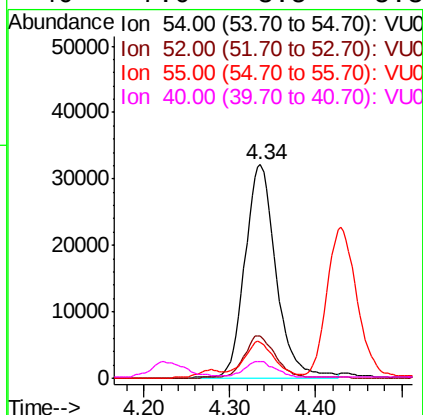
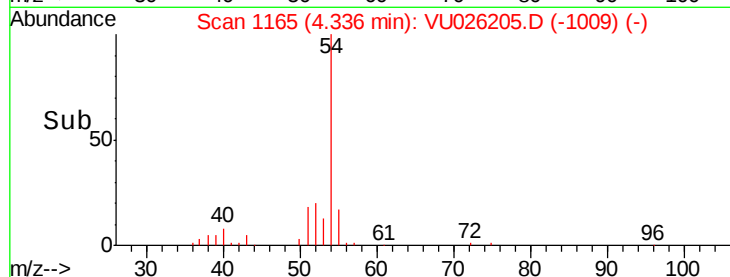
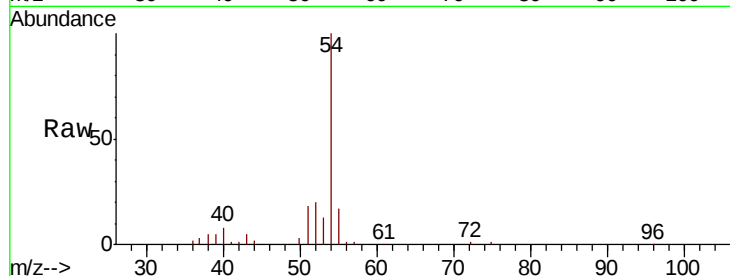




#34
 Propionitrile
 Concen: 102.763 ug/l
 RT: 4.34 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

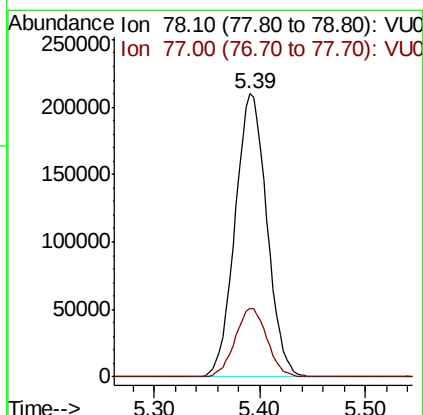
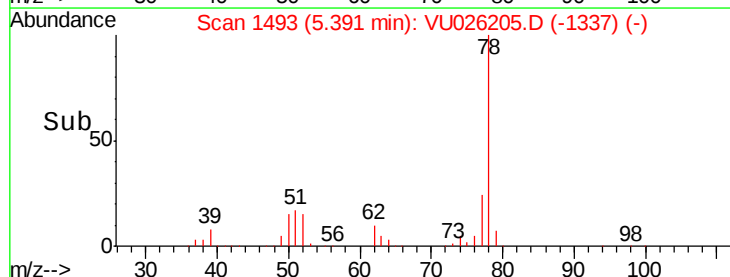
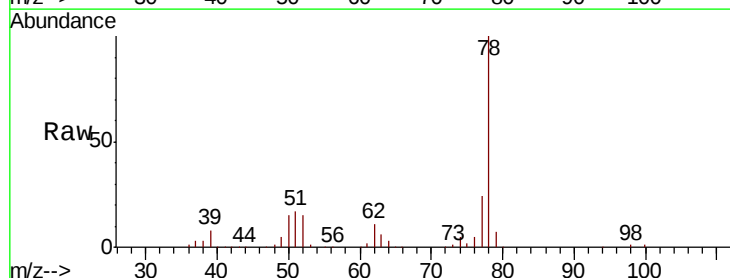
Instrument :
 MSVOA_U
 ClientSampleId :

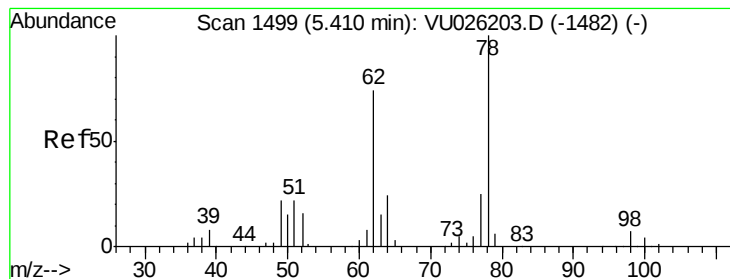
Tot Ion: 54 Resp: 81276
 Ion Ratio Lower Upper
 54 100
 52 20.2 13.7 20.5
 55 16.1 10.2 15.2#
 40 7.0 3.5 5.3#



#35
 Benzene
 Concen: 10.336 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 78 Resp: 438868
 Ion Ratio Lower Upper
 78 100
 77 24.4 19.1 28.7





#36

1,2-Dichloroethane

Concen: 9.933 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

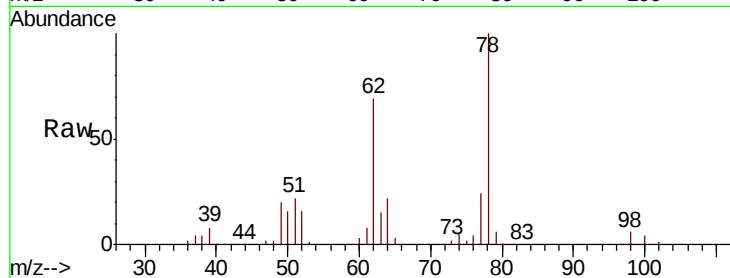
ClientSampleId :

Tot Ion: 62 Resp: 130730

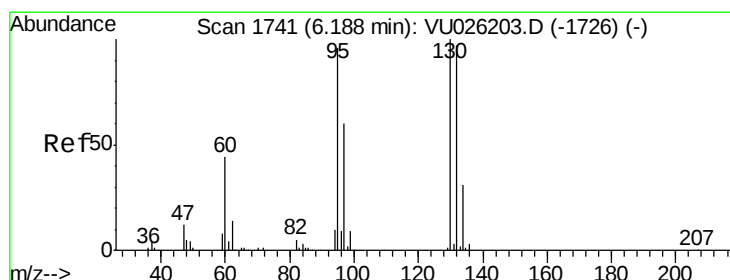
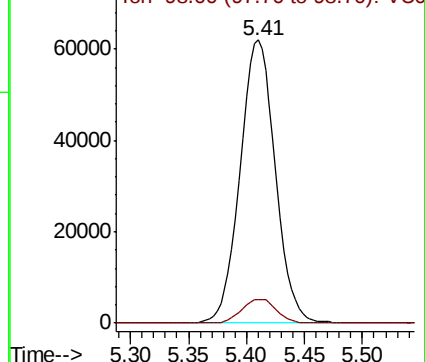
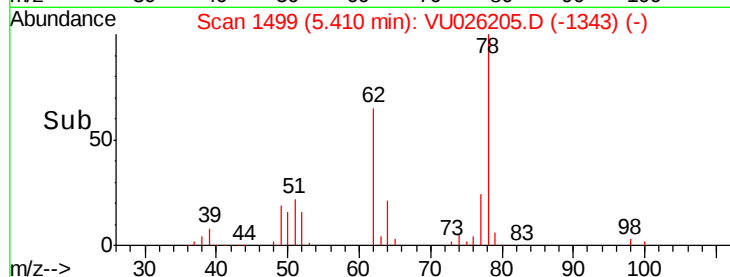
Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026205.D (-1343) (-)



#37

Trichloroethene

Concen: 10.042 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026205.D

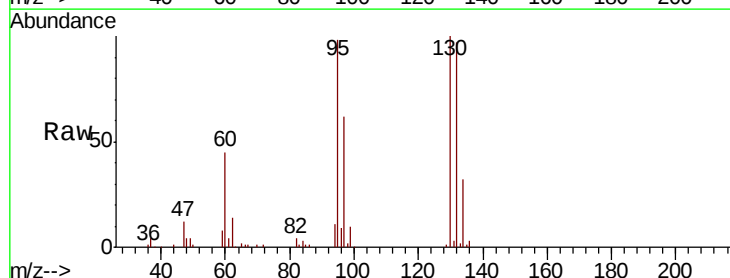
Acq: 20 Aug 2018 13:36

Tgt Ion:130 Resp: 119973

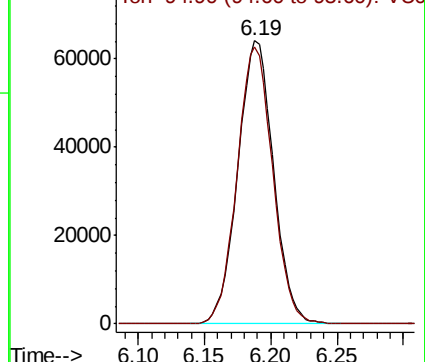
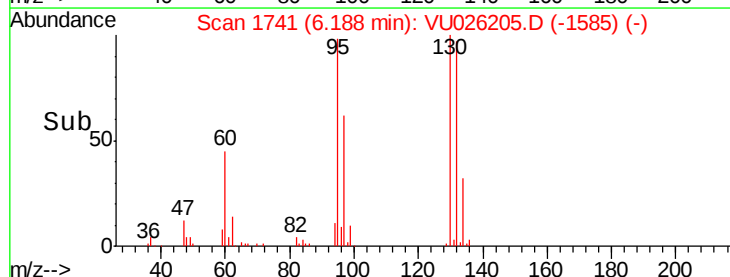
Ion Ratio Lower Upper

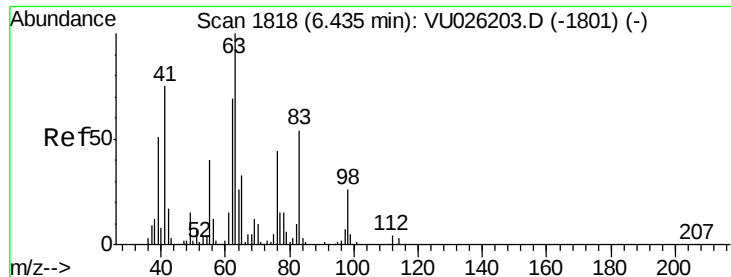
130 100

95 98.1 77.9 116.9



Abundance Ion 129.90 (129.60 to 130.60): VU026205.D (-1585) (-)

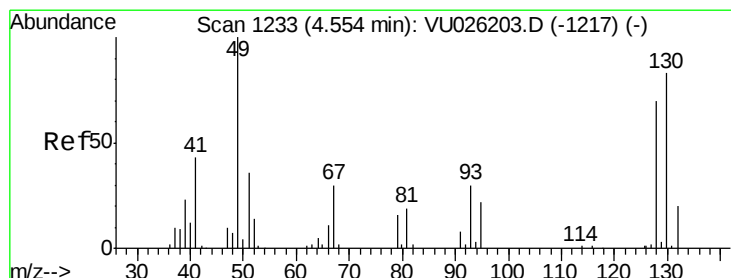
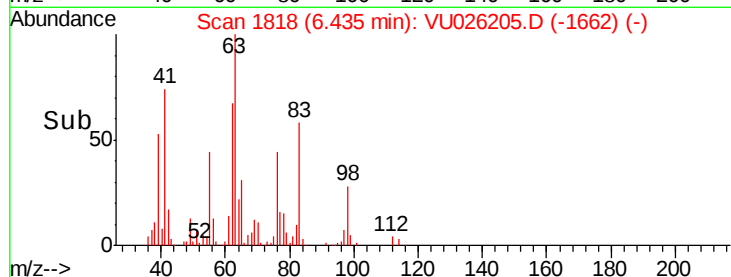
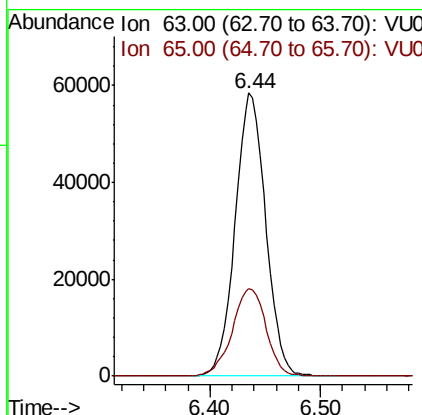
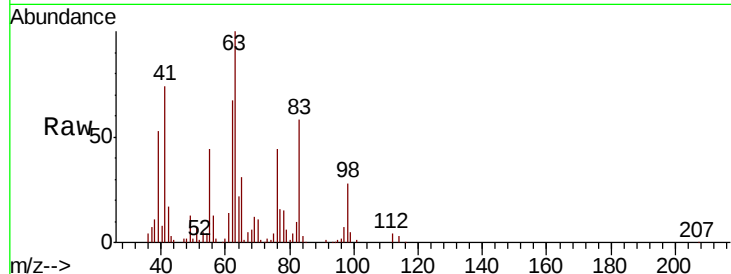




#38
 1,2-Dichloropropane
 Concen: 10.200 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

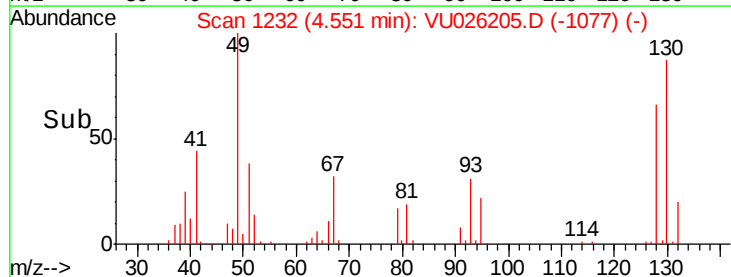
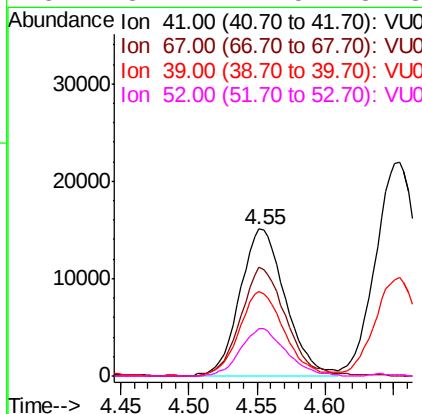
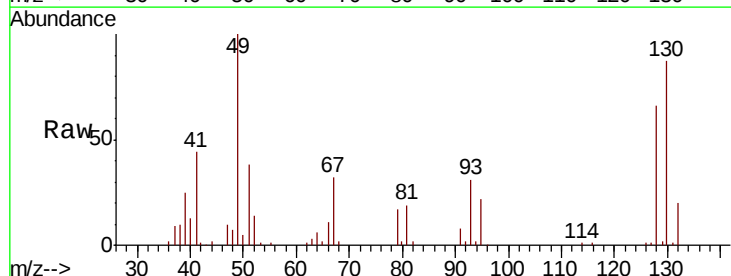
Instrument :
 MSVOA_U
 ClientSampleId :

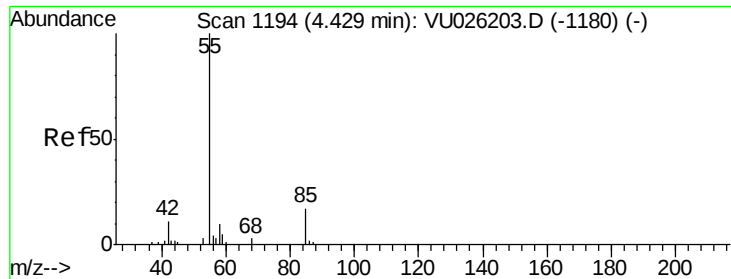
Tot Ion: 63 Resp: 112172
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.8 38.8



#39
 Methacrylonitrile
 Concen: 10.505 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 41 Resp: 35067
 Ion Ratio Lower Upper
 41 100
 67 73.3 51.3 76.9
 39 56.5 40.6 60.8
 52 32.2 21.5 32.3

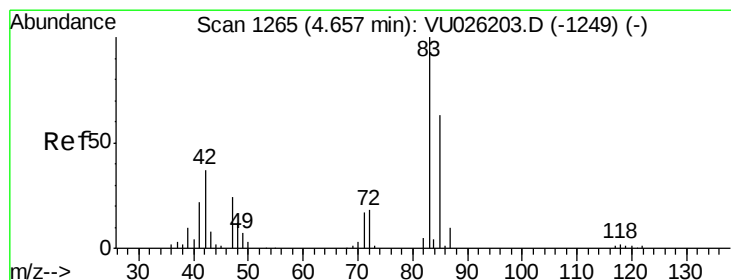
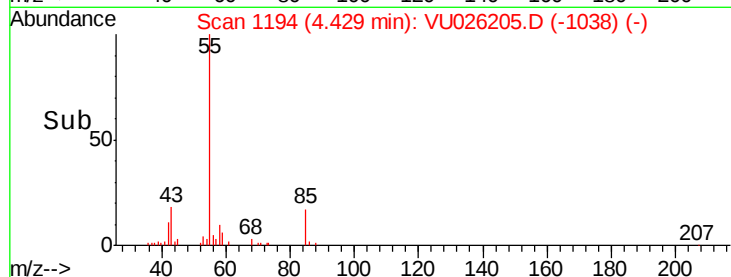
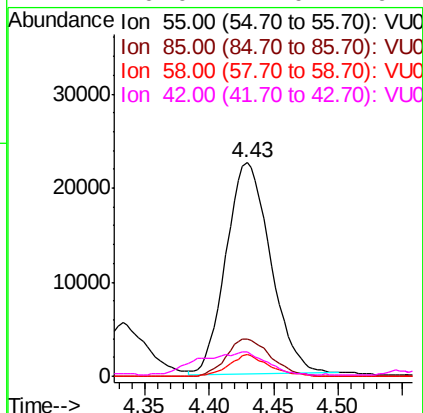
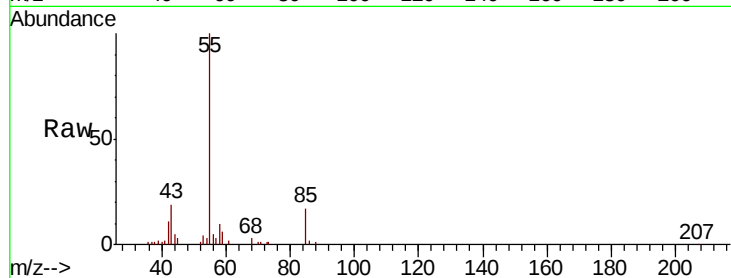




#40
Methvl acrylate
Concen: 10.641 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

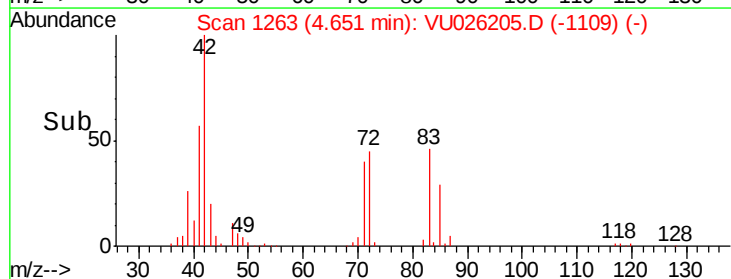
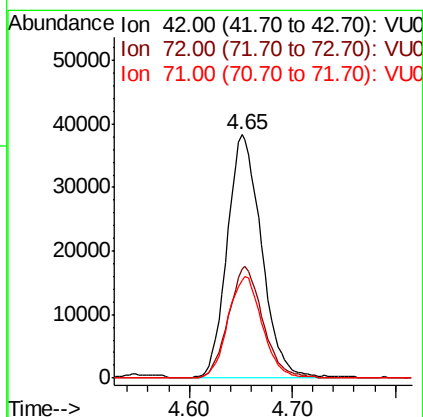
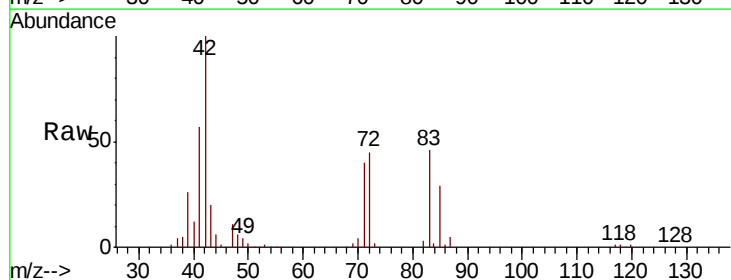
Instrument :
MSVOA_U
ClientSampleId :

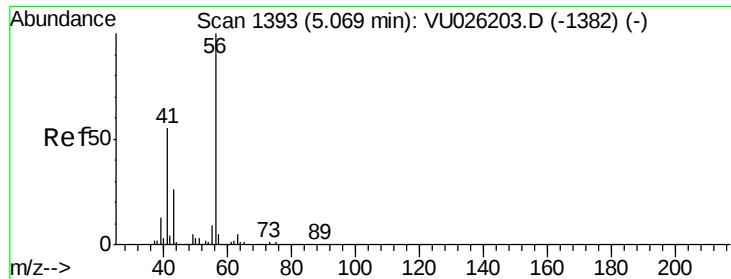
Tot Ion:	55	Resp:	53869
Ion	Ratio	Lower	Upper
55	100		
85	17.3	12.3	18.5
58	9.2	7.0	10.6
42	0.0	7.0	10.4#



#41
Tetrahydrofuran
Concen: 47.966 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion:	42	Resp:	89077
Ion	Ratio	Lower	Upper
42	100		
72	45.8	33.2	49.8
71	41.5	29.8	44.8

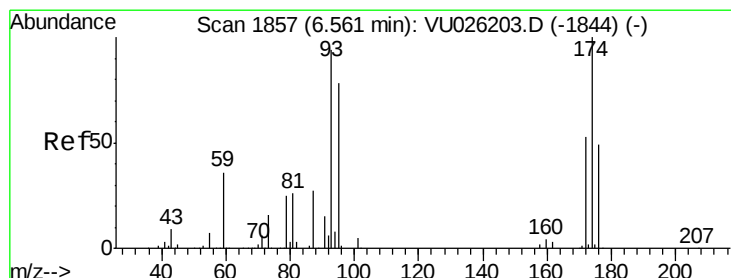
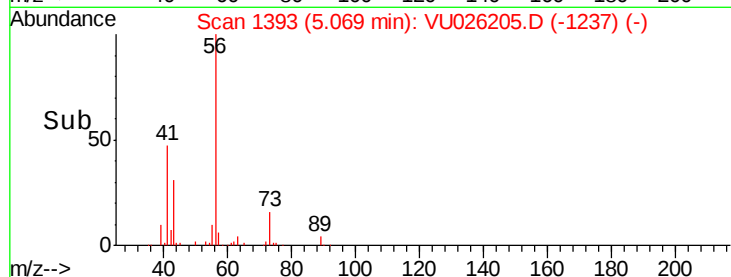
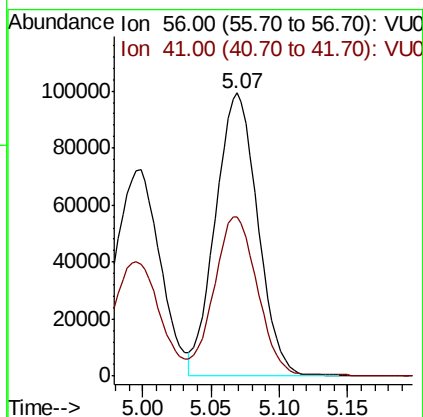
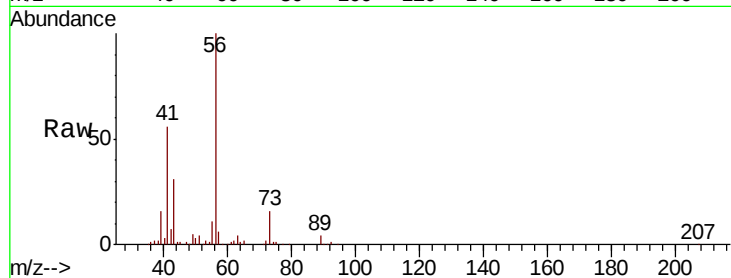




#42
1-Chlorobutane
Concen: 10.701 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

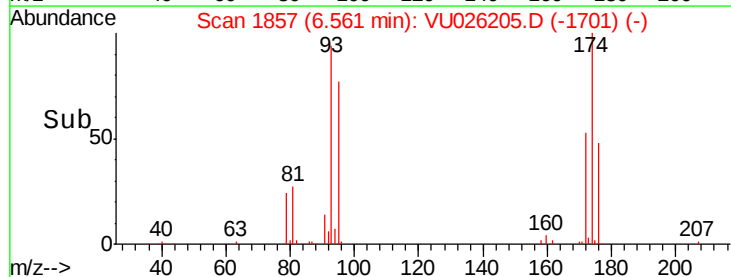
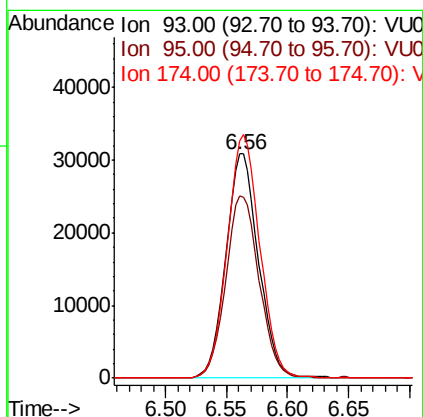
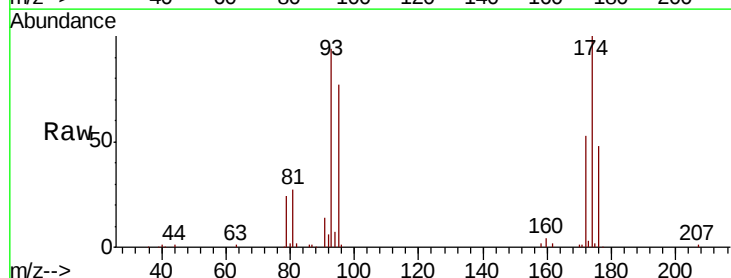
Instrument :
MSVOA_U
ClientSampled :

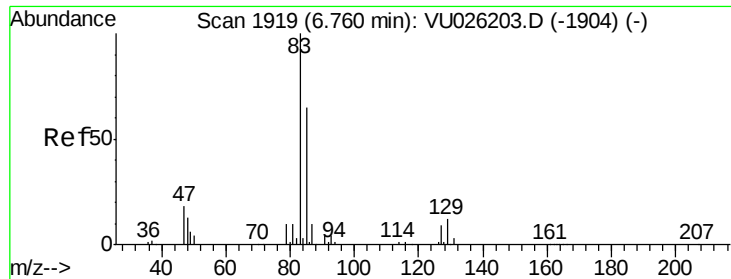
Tot Ion: 56 Resp: 212685
Ion Ratio Lower Upper
56 100
41 57.1 27.5 82.5



#43
Dibromomethane
Concen: 9.863 ug/l
RT: 6.56 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 93 Resp: 57625
Ion Ratio Lower Upper
93 100
95 83.2 67.2 100.8
174 108.5 82.8 124.2





#44

Bromodichloromethane

Concen: 10.053 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampled :

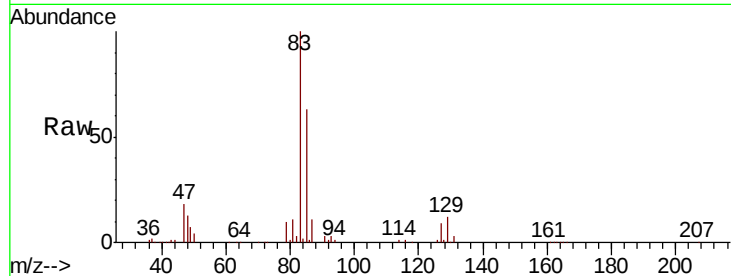
Tot Ion: 83 Resp: 151605

Ion Ratio Lower Upper

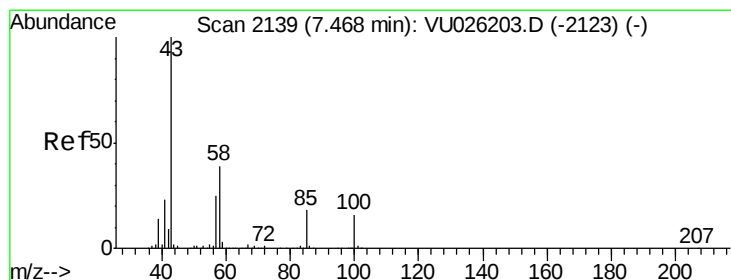
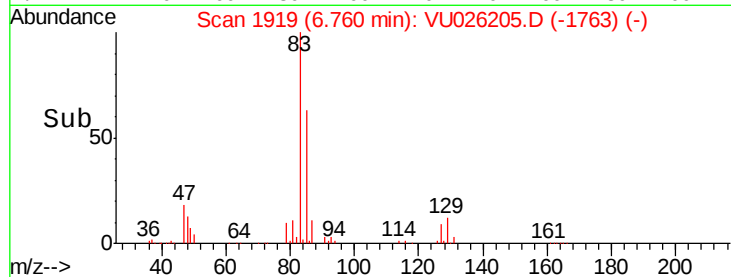
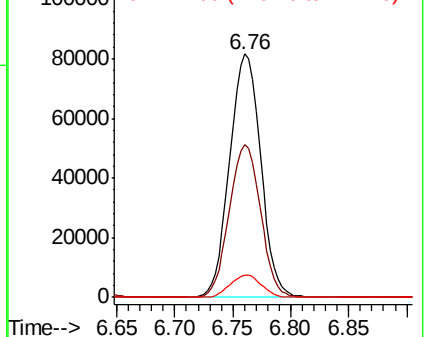
83 100

85 62.7 52.2 78.4

127 9.3 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V



#45

4-Methyl-2-Pentanone

Concen: 68.843 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

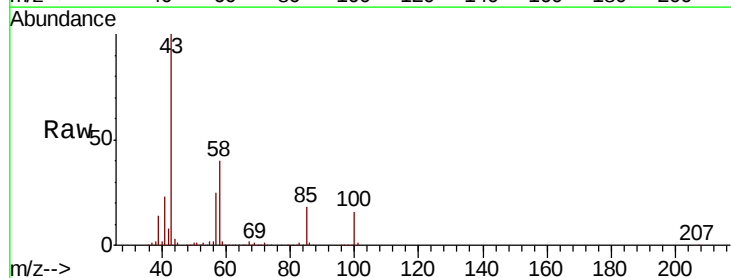
Tgt Ion: 43 Resp: 407696

Ion Ratio Lower Upper

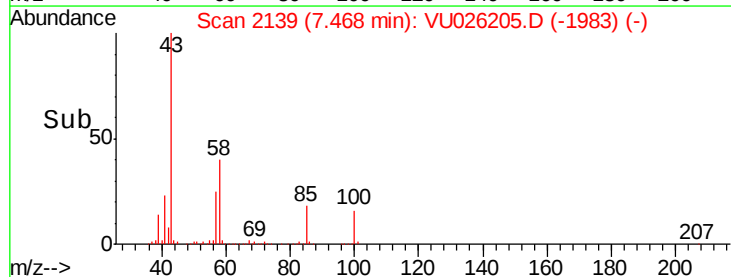
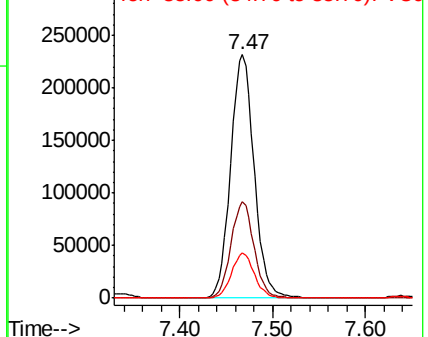
43 100

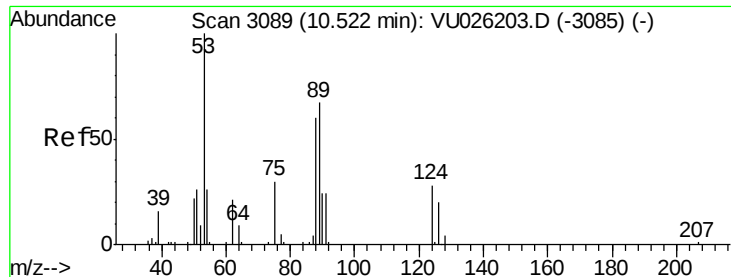
58 39.0 18.8 56.4

85 18.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

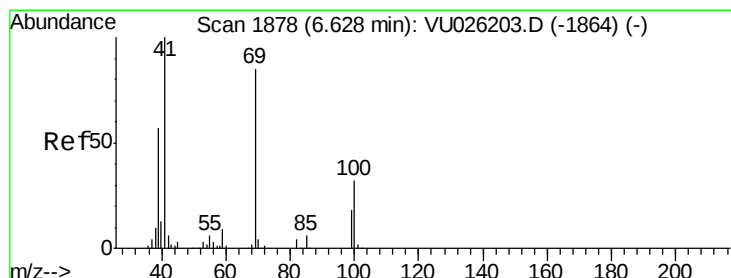
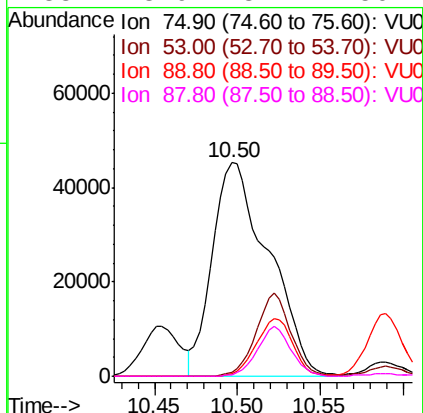
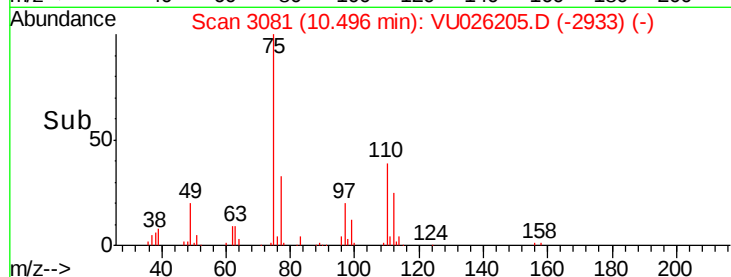
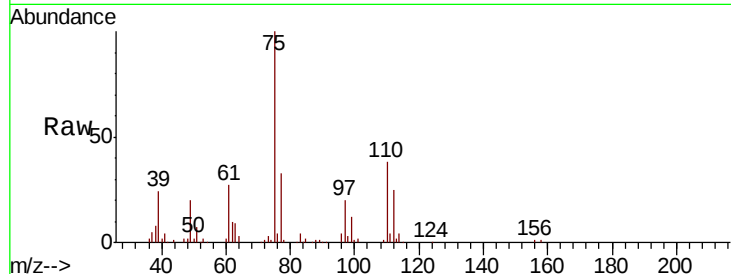




#46
t-1,4-Dichloro-2-butene
Concen: 35.404 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

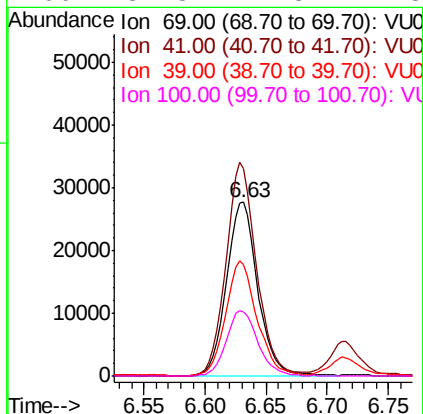
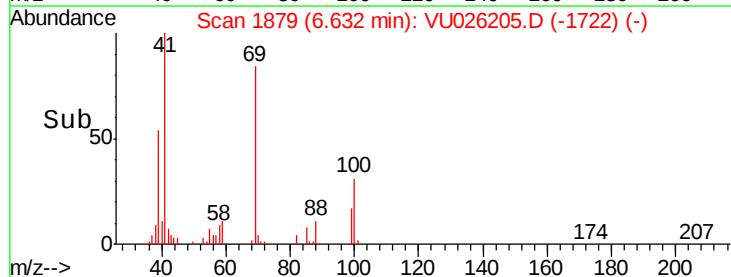
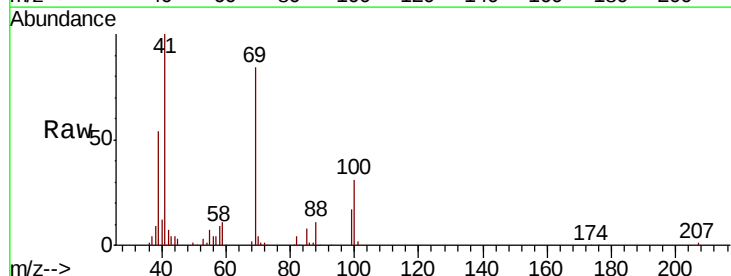
Instrument :
MSVOA_U
ClientSampleId :

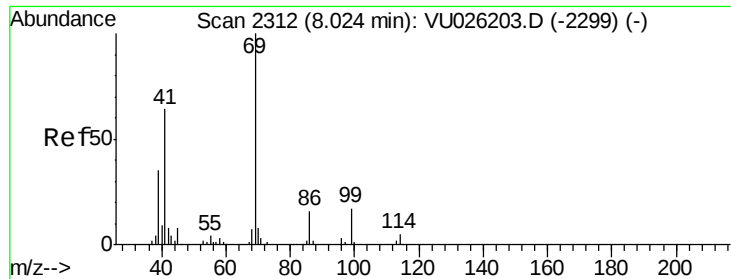
Tot Ion	Ratio	Lower	Upper
75	100		
53	23.9	82.2	123.4#
89	17.6	51.3	76.9#
88	13.9	37.4	56.2#



#47
Methyl methacrylate
Concen: 11.166 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	119.4	0.0	245.4
39	66.3	49.0	73.4
100	37.8	27.8	41.8

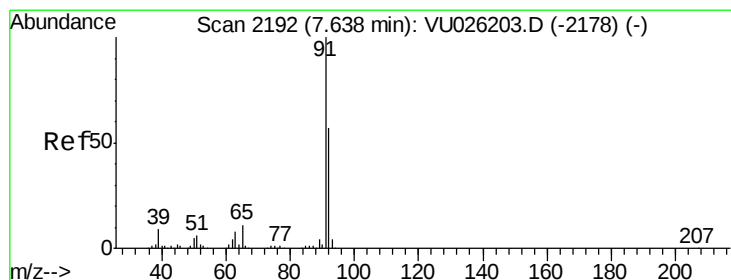
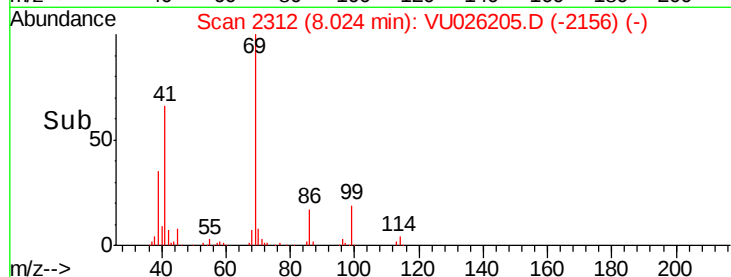
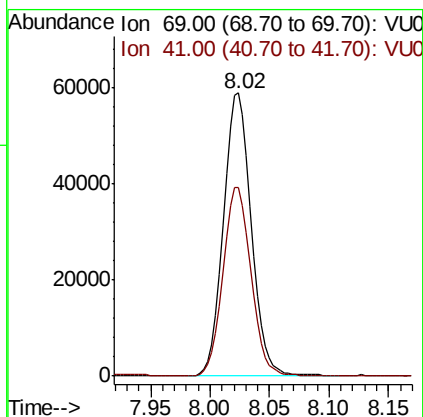
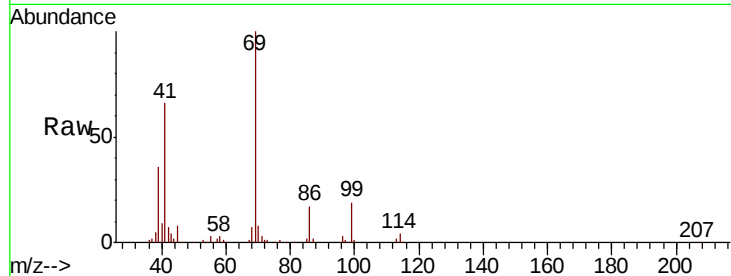




#48
 Ethyl methacrylate
 Concen: 11.683 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

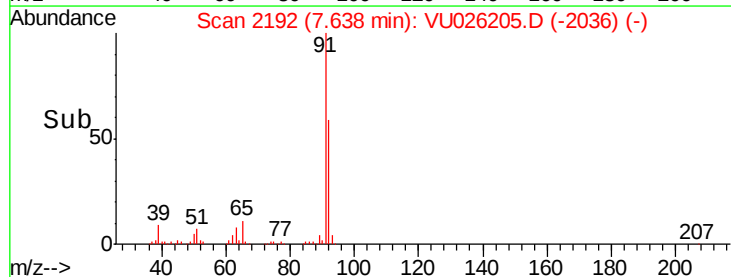
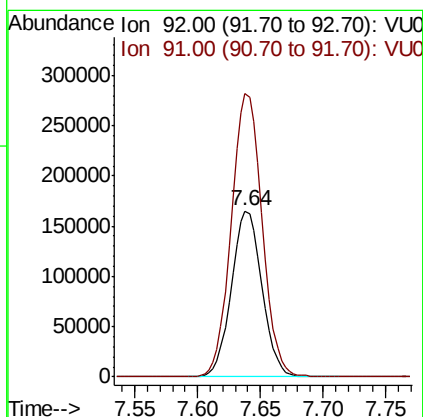
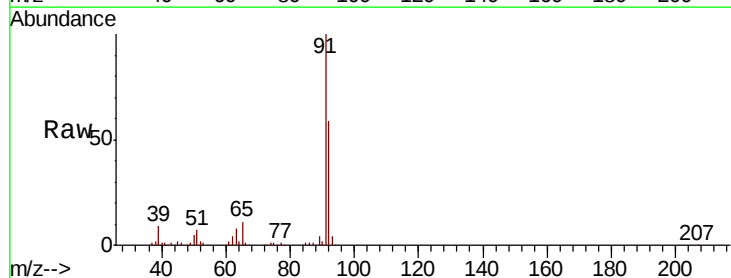
Instrument :
 MSVOA_U
 ClientSampleId :

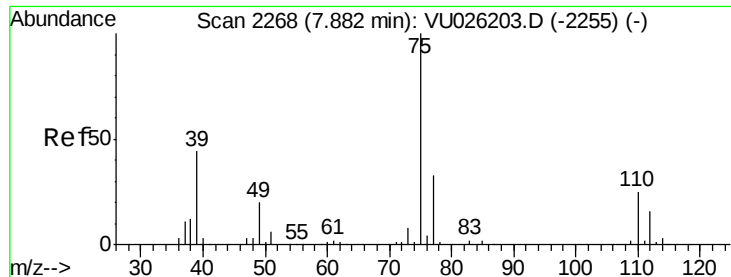
Tot Ion: 69 Resp: 95443
 Ion Ratio Lower Upper
 69 100
 41 67.3 34.2 102.5



#49
 Toluene
 Concen: 11.470 ug/l
 RT: 7.64 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 92 Resp: 278061
 Ion Ratio Lower Upper
 92 100
 91 173.2 137.1 205.7

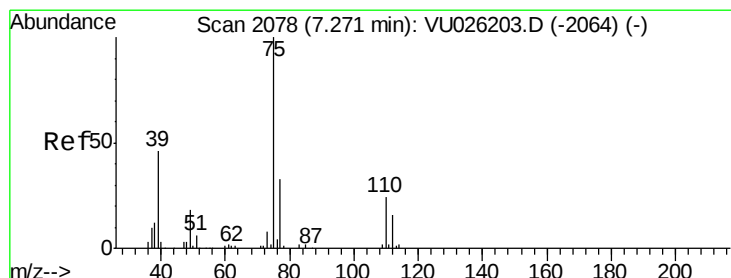
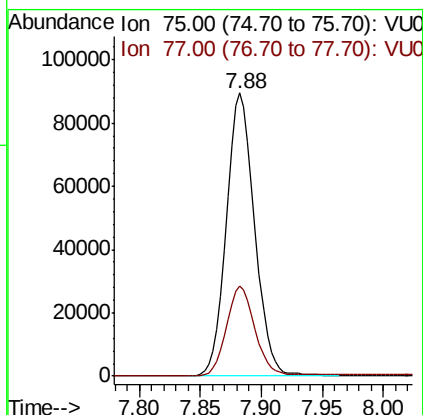
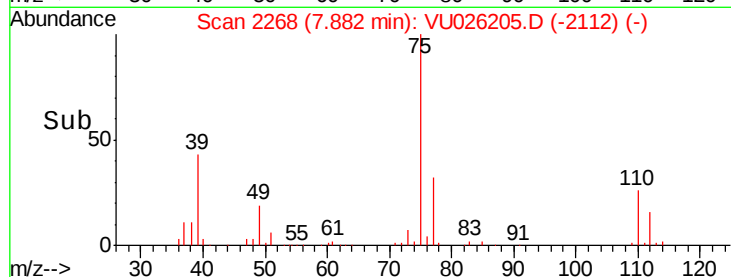
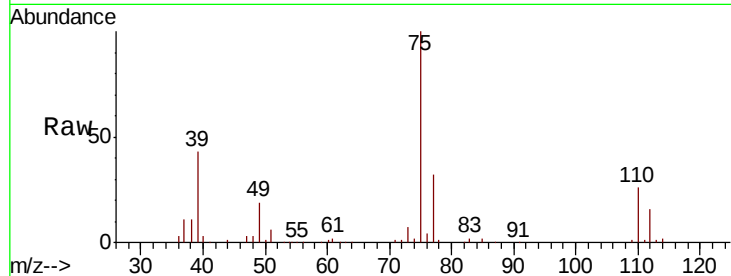




#50
 t-1,3-Dichloropropene
 Concen: 11.305 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

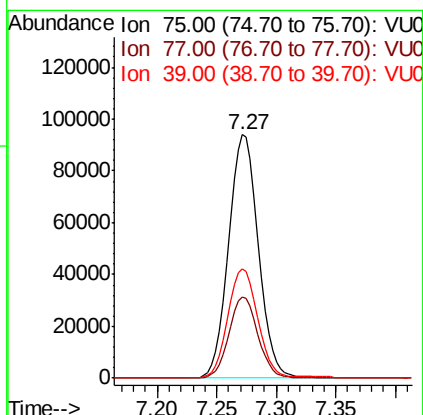
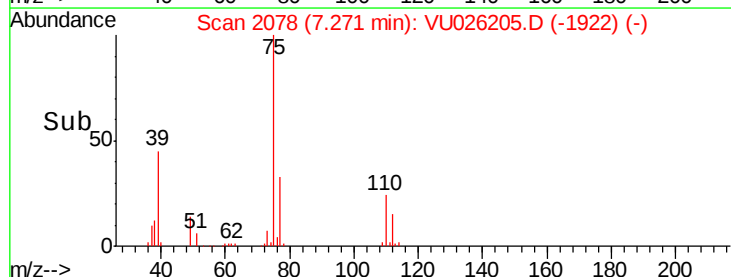
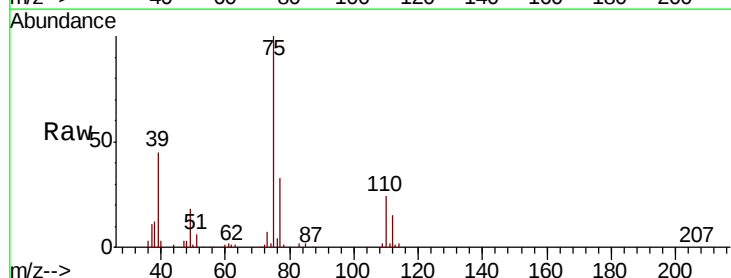
Instrument :
 MSVOA_U
 ClientSampleId :

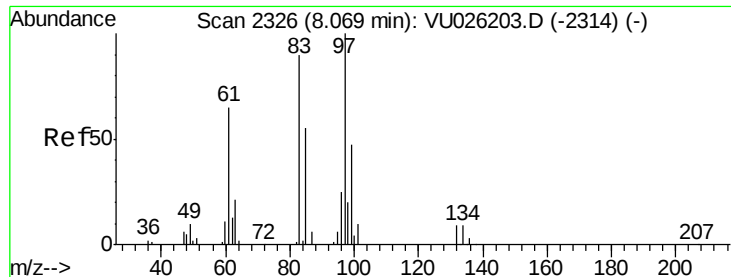
Tot Ion: 75 Resp: 145450
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8



#51
 cis-1,3-Dichloropropene
 Concen: 10.923 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 75 Resp: 162987
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.2 37.8
 39 44.9 36.4 54.6

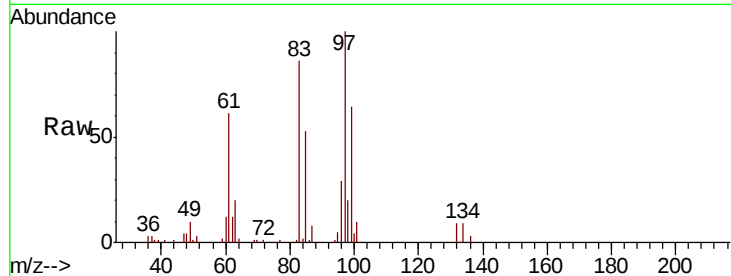




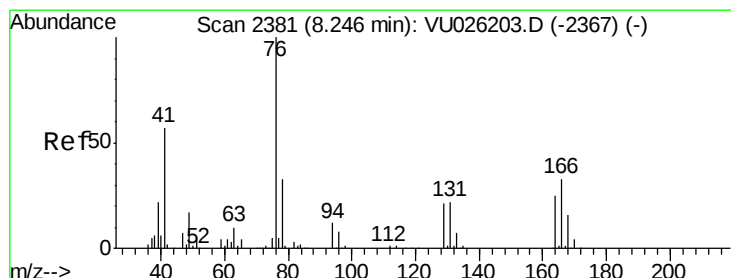
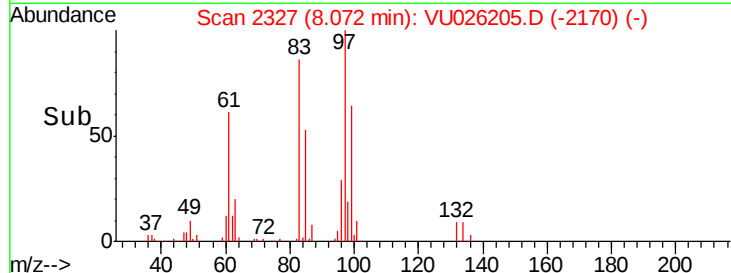
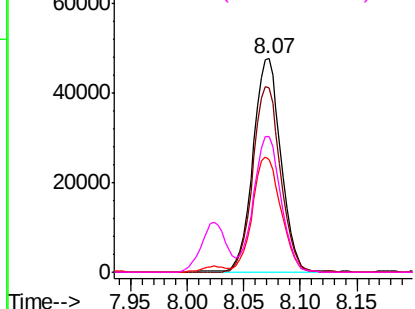
#52
 1,1,2-Trichloroethane
 Concen: 10.344 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 81973
 Ion Ratio Lower Upper
 97 100
 83 86.2 72.6 109.0
 85 52.6 47.2 70.8
 99 63.7 50.8 76.2

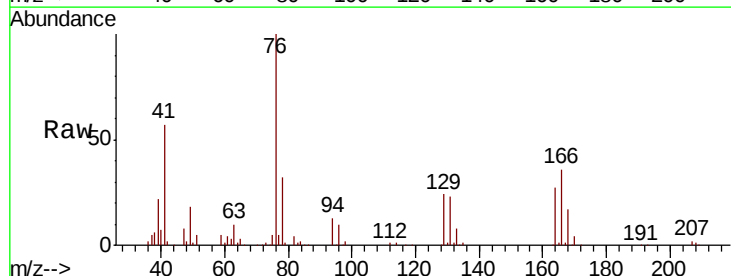


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

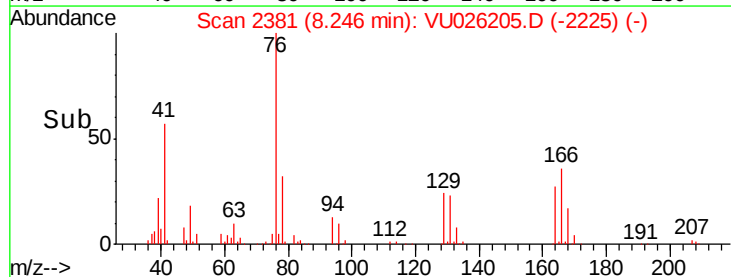
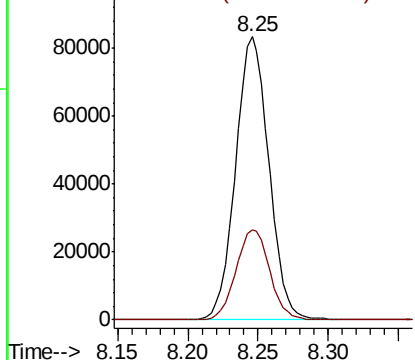


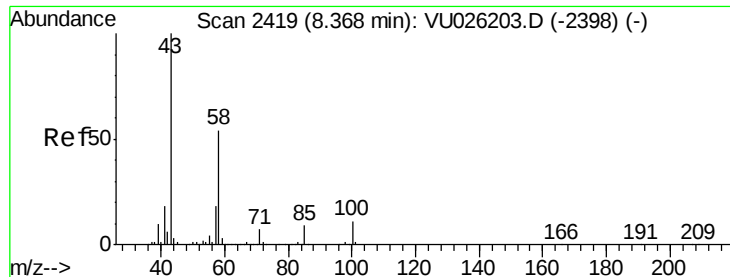
#53
 1,3-Dichloropropane
 Concen: 10.485 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 76 Resp: 138031
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

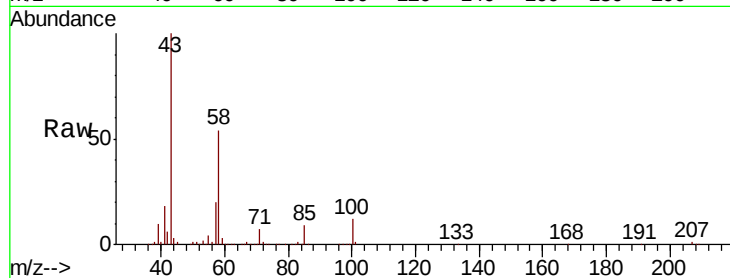




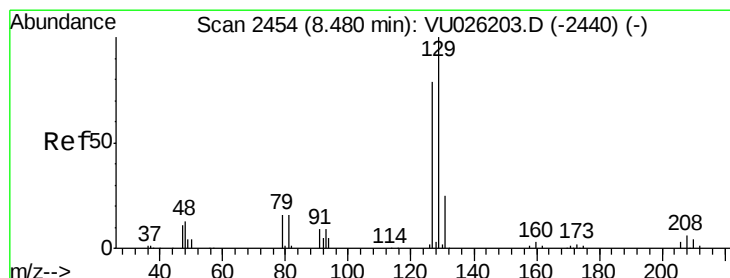
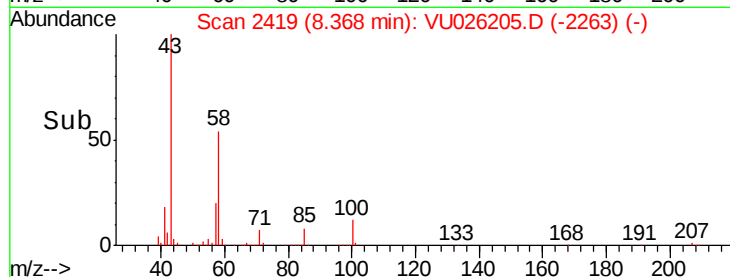
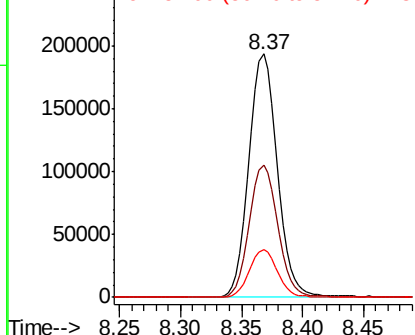
#54
2-Hexanone
Concen: 73.525 ug/l
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 310011
Ion Ratio Lower Upper
43 100
58 54.6 32.5 72.5
57 19.4 0.0 37.9

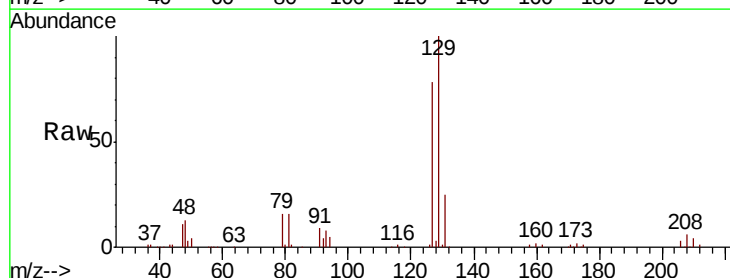


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

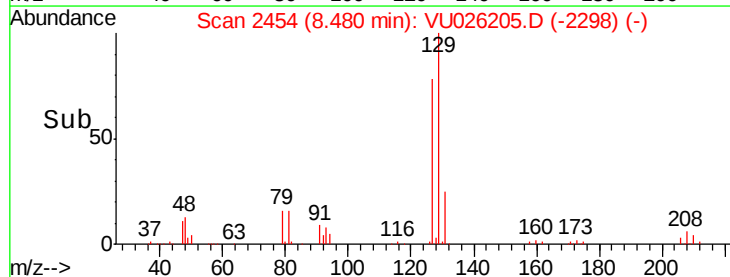
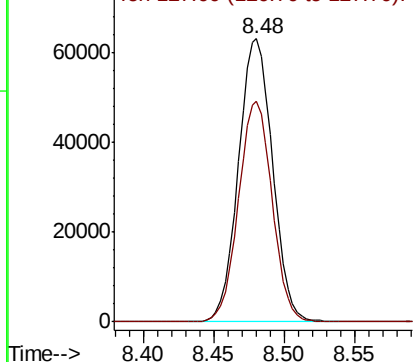


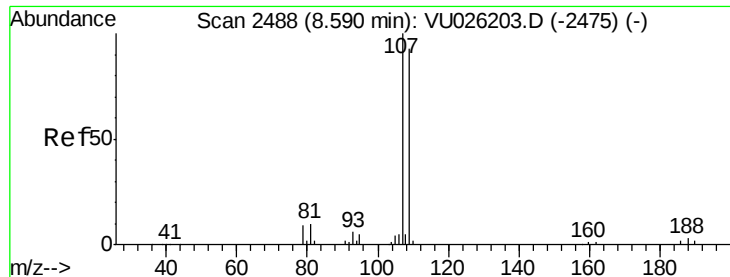
#55
Dibromochloromethane
Concen: 10.139 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 129 Resp: 107390
Ion Ratio Lower Upper
129 100
127 76.5 61.1 91.7



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

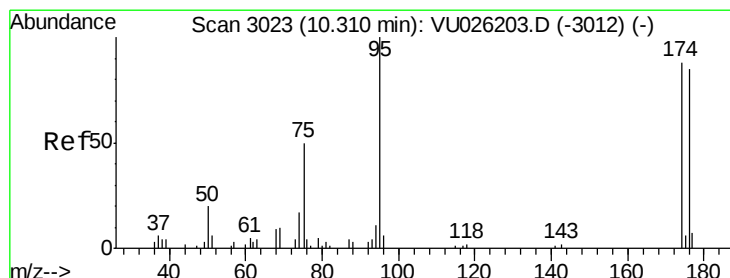
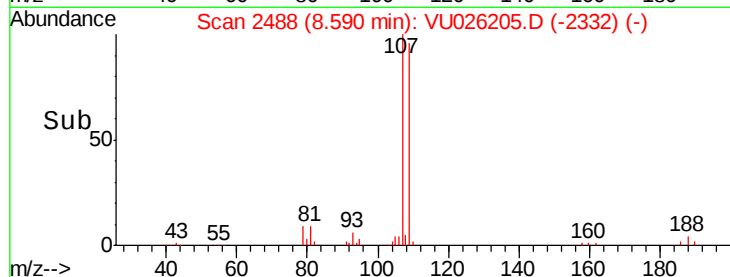
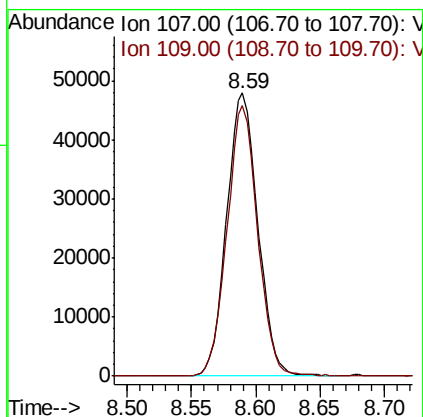
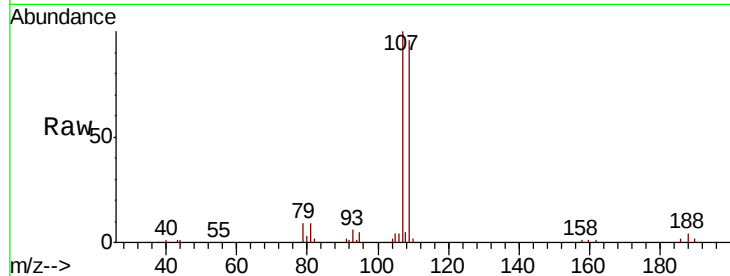




#56
 1,2-Dibromoethane
 Concen: 10.452 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

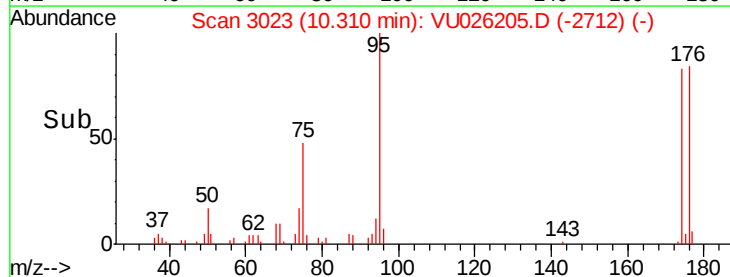
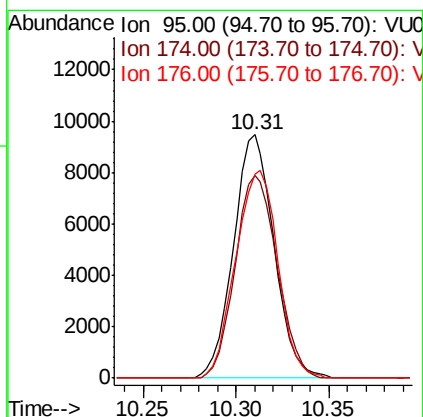
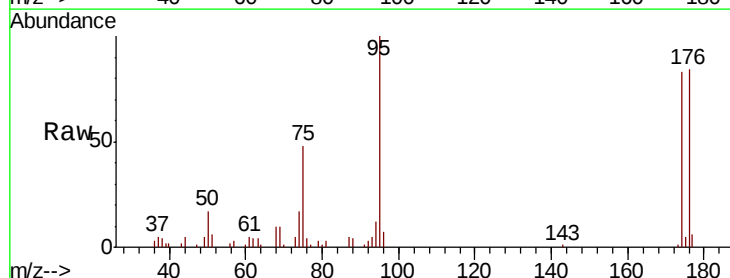
Instrument :
 MSVOA_U
 ClientSampleId :

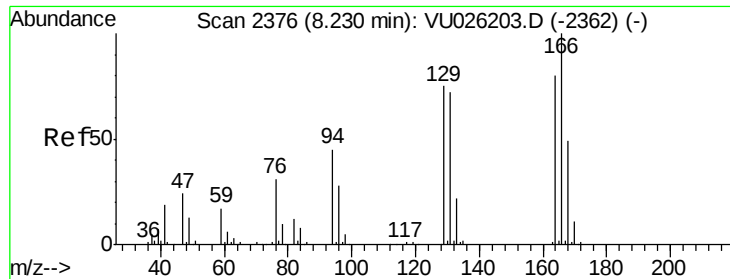
Tot Ion: 107 Resp: 80583
 Ion Ratio Lower Upper
 107 100
 109 93.8 0.0 189.0



#57
 4-Bromofluorobenzene
 Concen: 10.452 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 95 Resp: 14426
 Ion Ratio Lower Upper
 95 100
 174 86.0 65.6 98.4
 176 88.7 62.0 93.0





#58

Tetrachloroethene

Concen: 10.217 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 115411

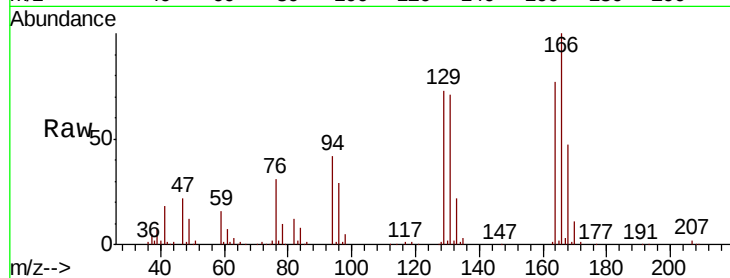
Ion Ratio Lower Upper

164 100

166 129.4 104.1 156.1

129 94.7 76.8 115.2

131 91.8 72.6 108.8

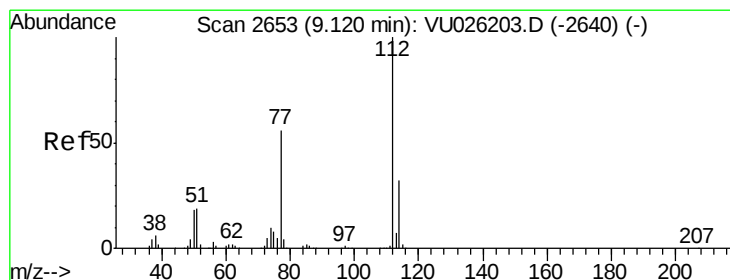
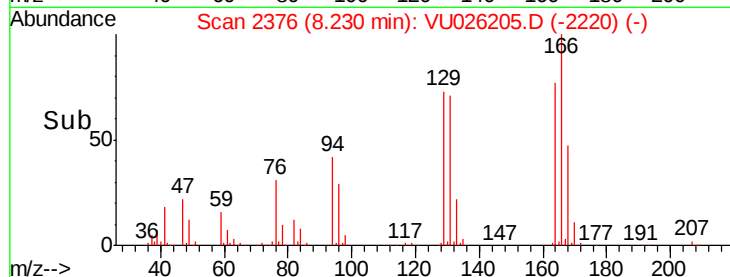
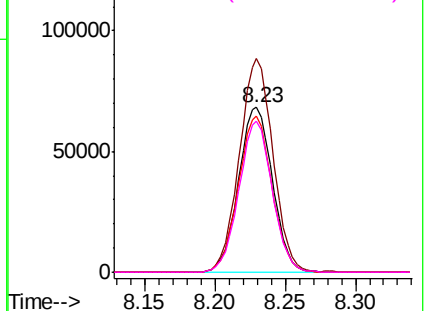


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 10.987 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026205.D

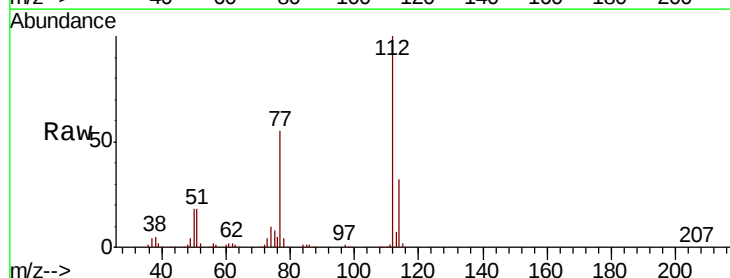
Acq: 20 Aug 2018 13:36

Tgt Ion:112 Resp: 308550

Ion Ratio Lower Upper

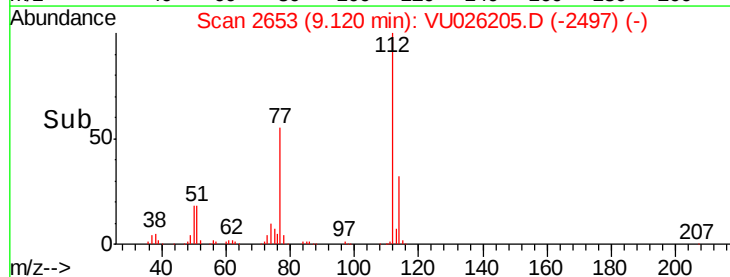
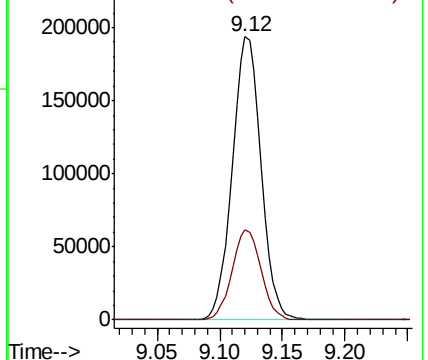
112 100

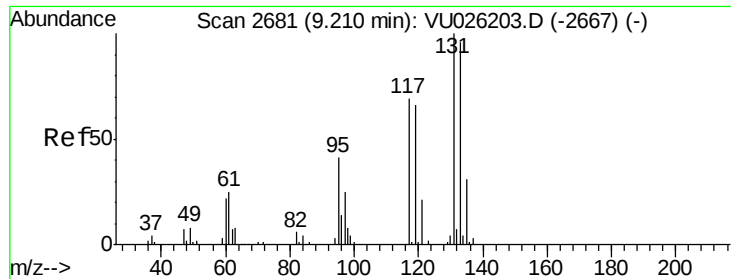
114 31.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 10.334 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

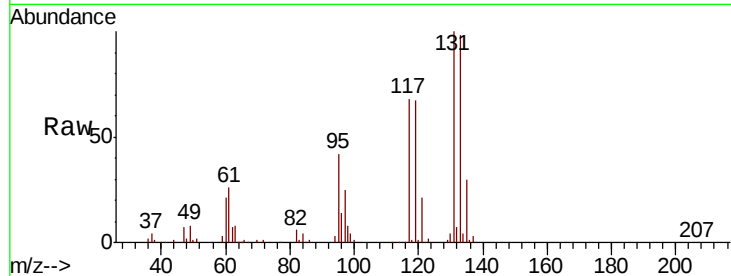
Tot Ion:131 Resp: 115730

Ion Ratio Lower Upper

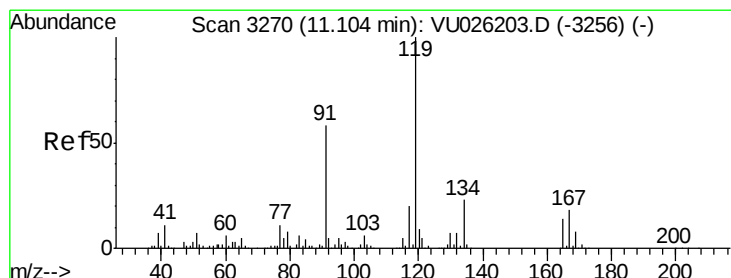
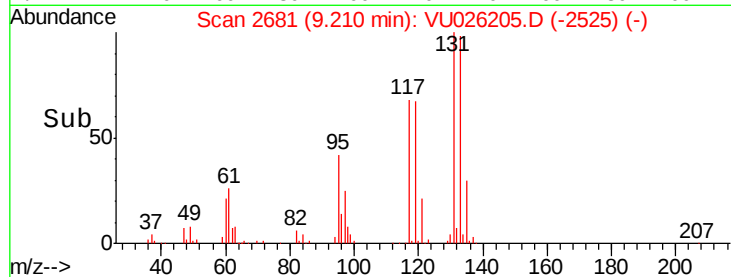
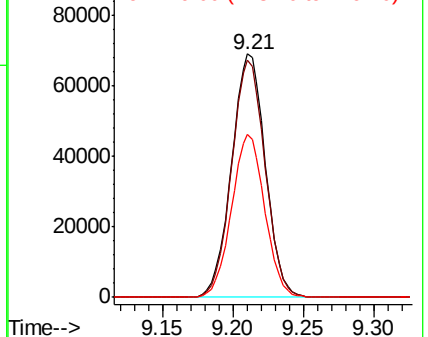
131 100

133 96.8 75.8 113.8

119 65.3 53.0 79.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 10.084 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026205.D

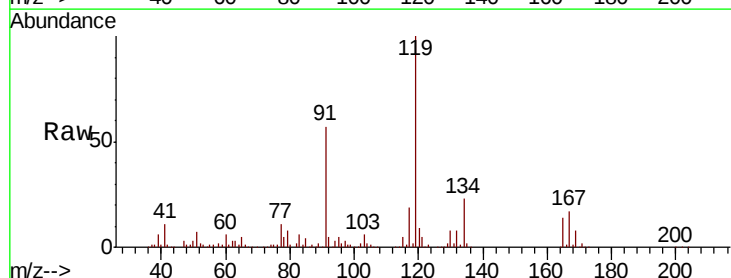
Acq: 20 Aug 2018 13:36

Tgt Ion:117 Resp: 96338

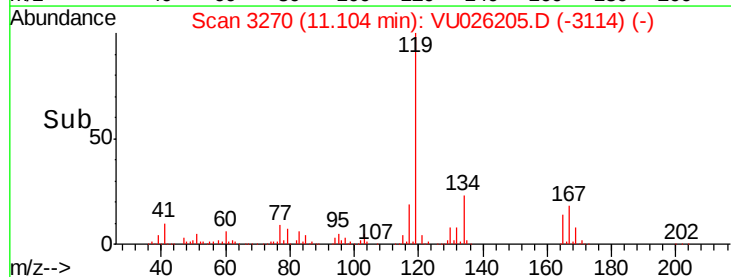
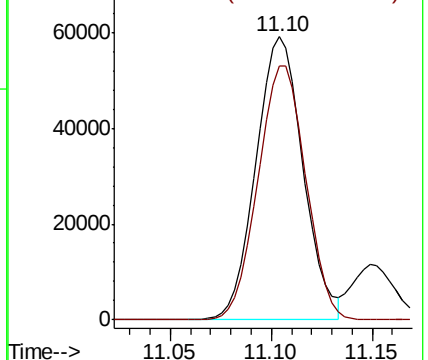
Ion Ratio Lower Upper

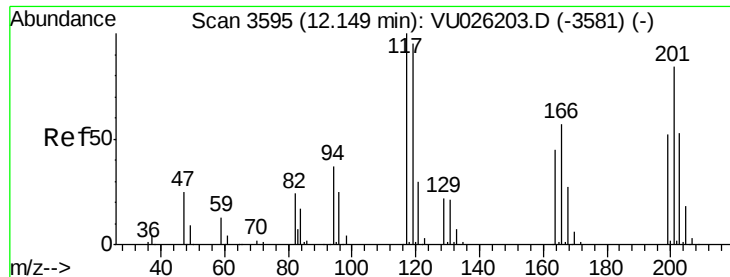
117 100

167 90.8 69.2 103.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 10.359 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

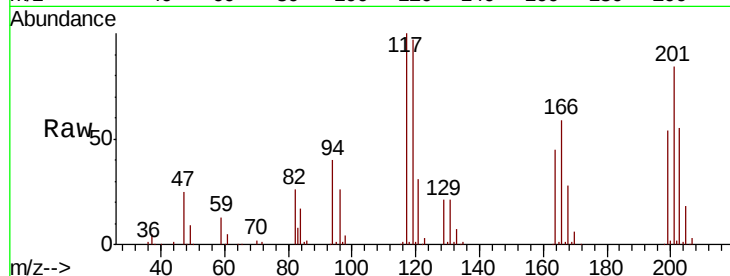
ClientSampleId :

Tot Ion:117 Resp: 98741

Ion Ratio Lower Upper

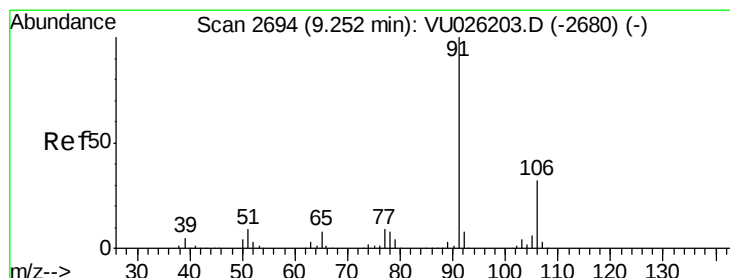
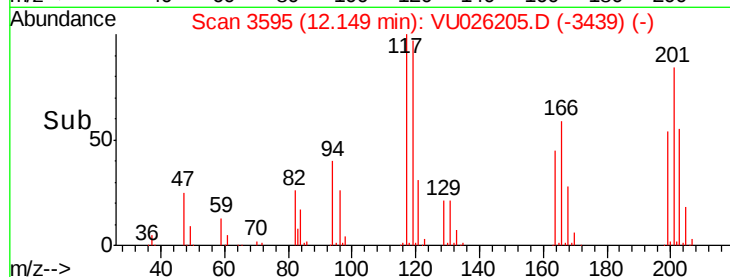
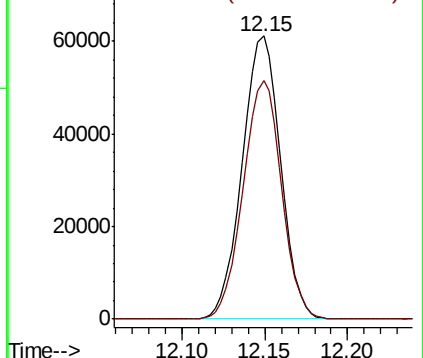
117 100

201 84.5 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 11.885 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026205.D

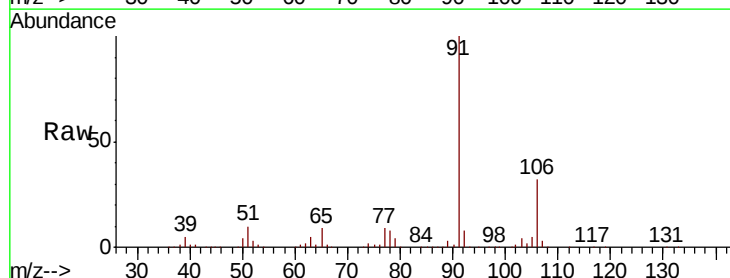
Acq: 20 Aug 2018 13:36

Tgt Ion: 91 Resp: 529573

Ion Ratio Lower Upper

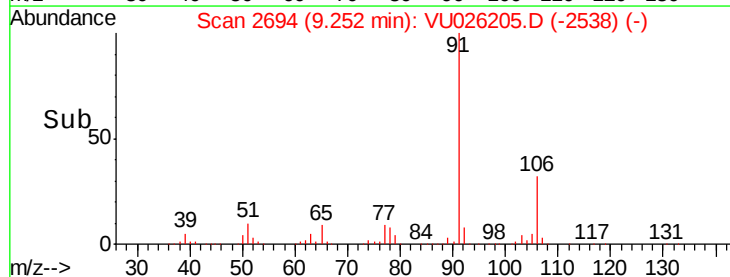
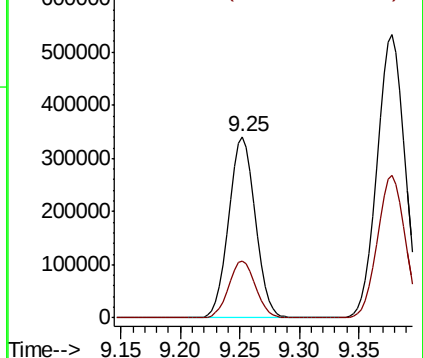
91 100

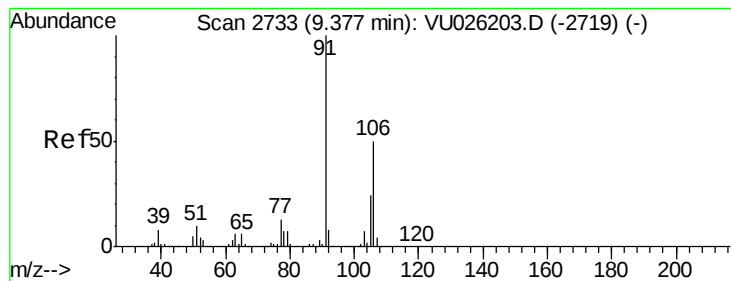
106 31.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 24.418 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

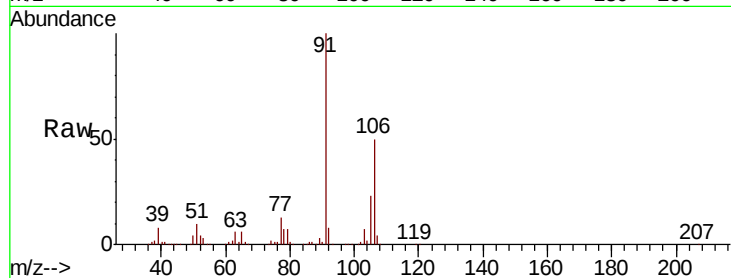
ClientSampleId :

Tot Ion:106 Resp: 434323

Ion Ratio Lower Upper

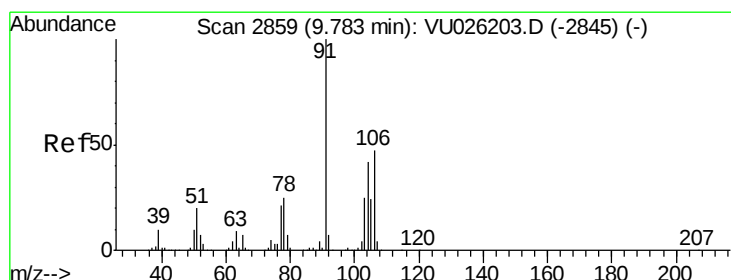
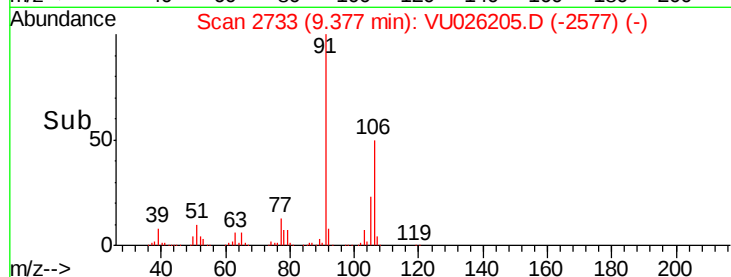
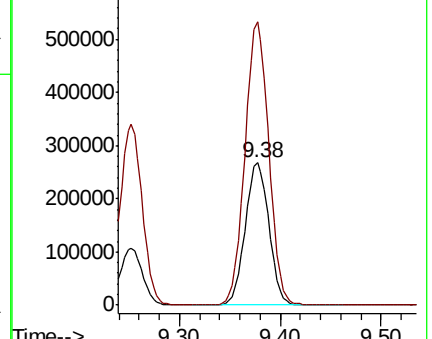
106 100

91 198.8 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 11.701 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026205.D

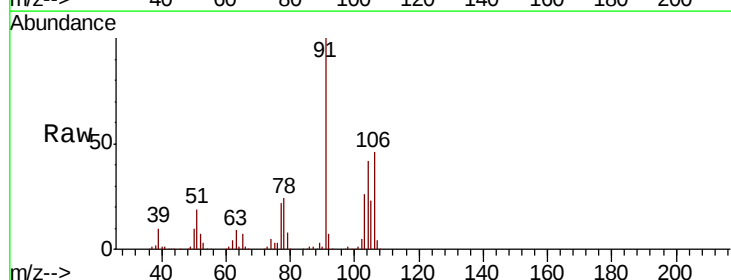
Acq: 20 Aug 2018 13:36

Tgt Ion:106 Resp: 198436

Ion Ratio Lower Upper

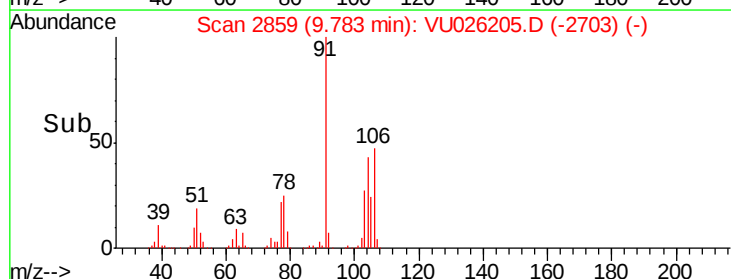
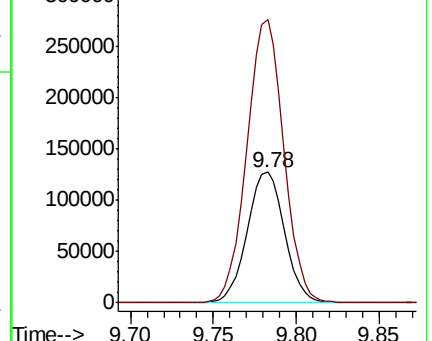
106 100

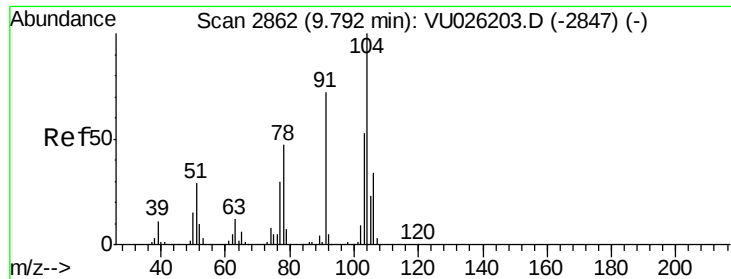
91 215.3 107.9 323.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

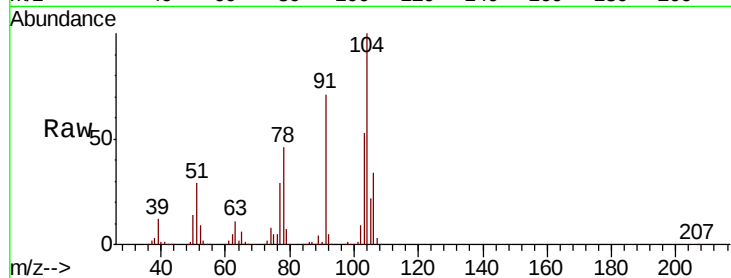




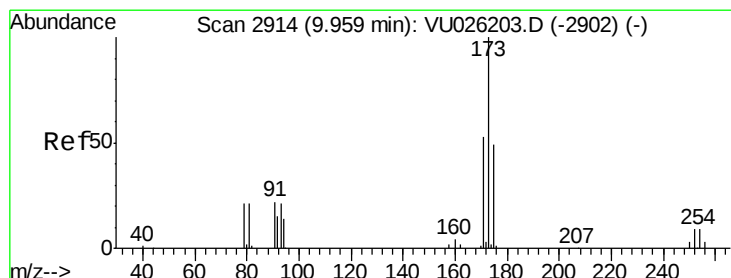
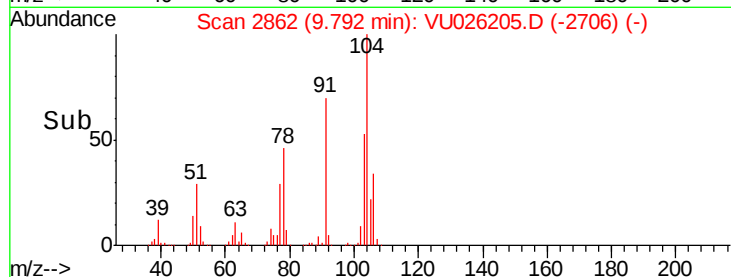
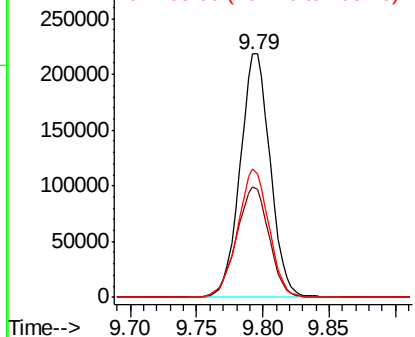
#66
 Stvrene
 Concen: 11.852 ug/l
 RT: 9.79 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:104 Resp: 344064
 Ion Ratio Lower Upper
 104 100
 78 49.3 40.2 60.2
 103 55.2 44.2 66.4

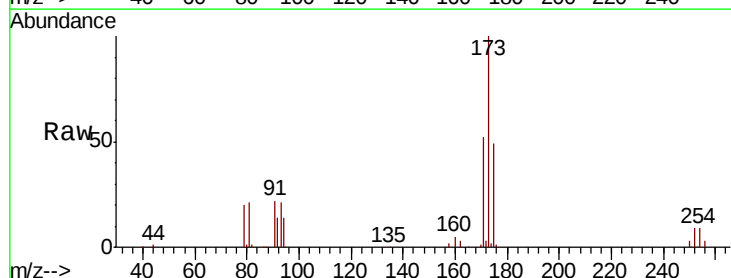


Abundance Ion 104.00 (103.70 to 104.70): V
 Ion 78.00 (77.70 to 78.70): VU0
 Ion 103.00 (102.70 to 103.70): V

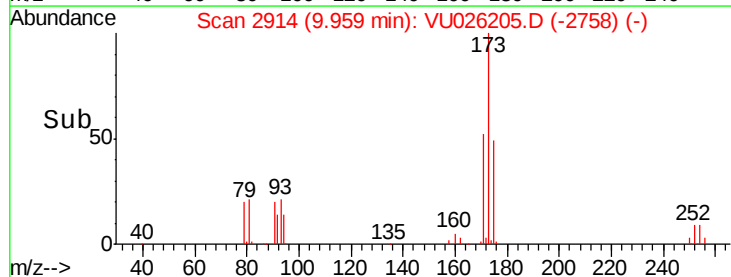
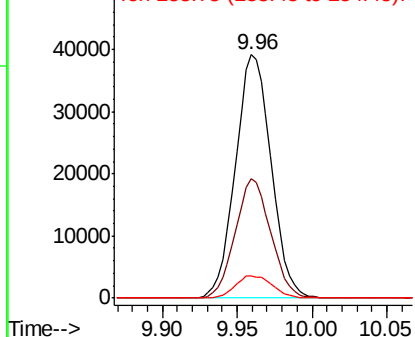


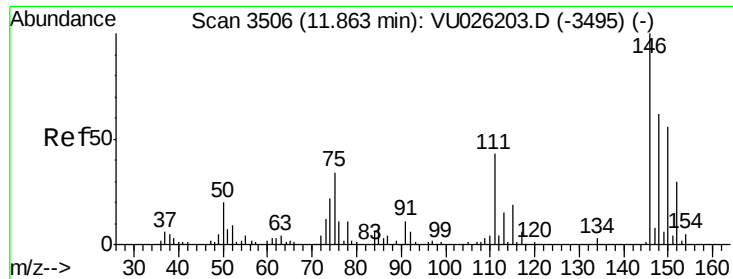
#67
 Bromoform
 Concen: 10.423 ug/l
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion:173 Resp: 65037
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.6 57.8
 254 9.6 8.8 13.2



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V





#68

1,2-Dichlorobenzene-d4

Concen: 10.423 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

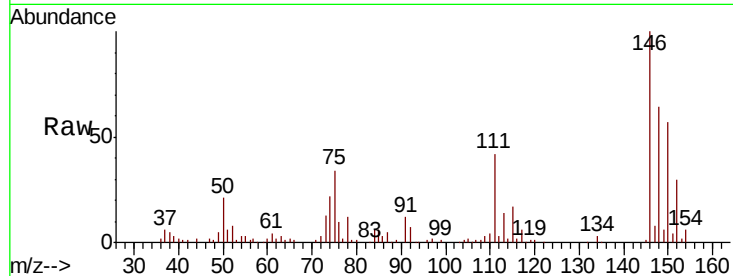
Tot Ion:152 Resp: 15720

Ion Ratio Lower Upper

152 100

115 57.5 0.0 118.8

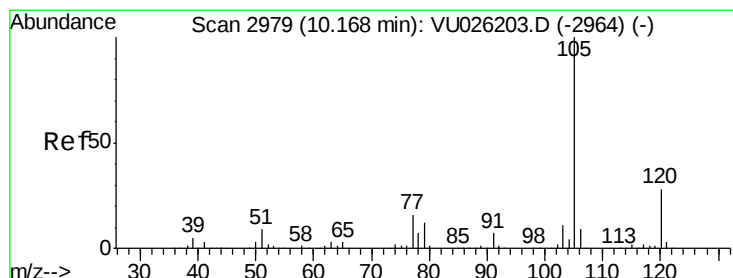
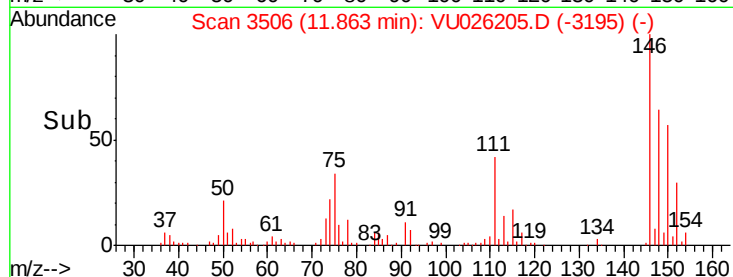
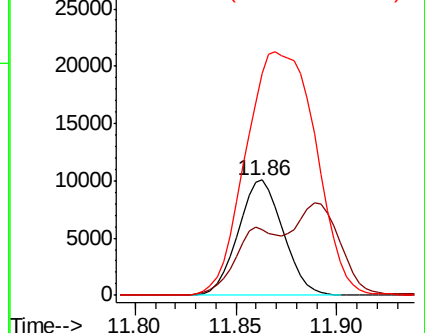
150 325.8 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 12.368 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026205.D

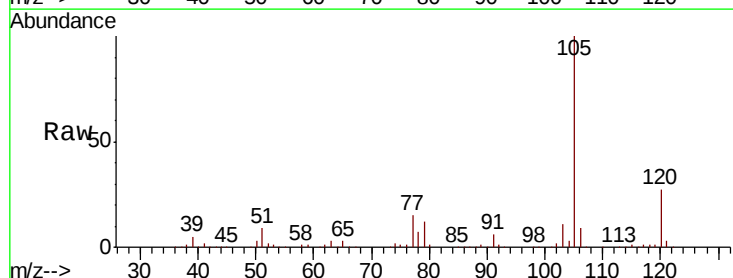
Acq: 20 Aug 2018 13:36

Tgt Ion:105 Resp: 554561

Ion Ratio Lower Upper

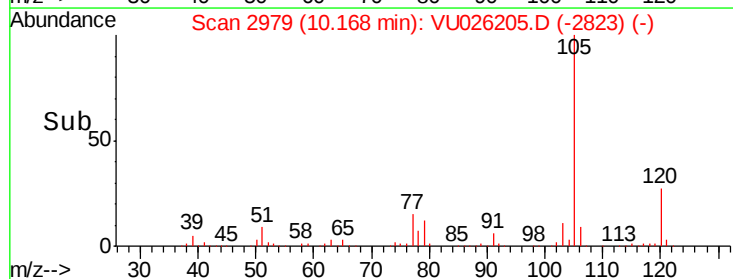
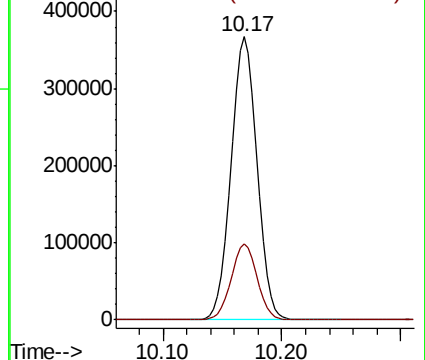
105 100

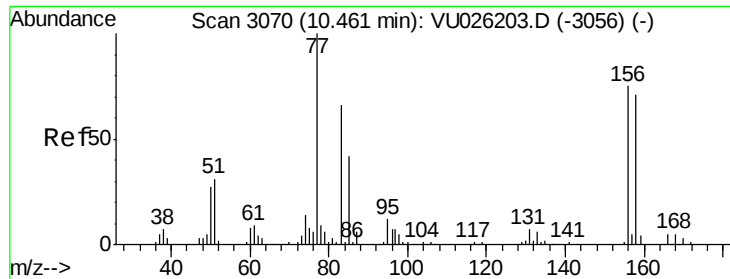
120 26.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 10.178 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

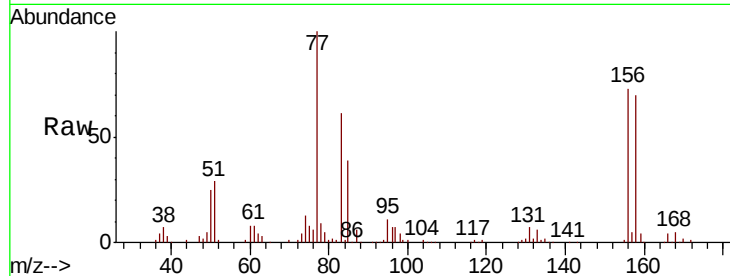
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 83 Resp: 101183

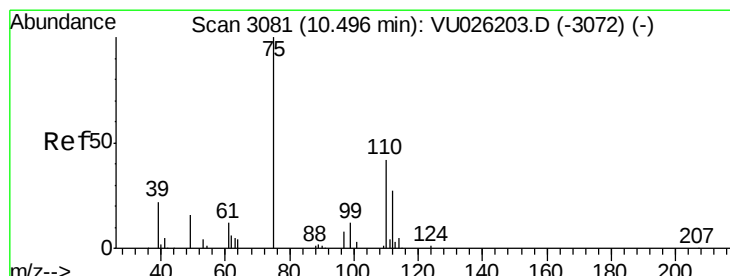
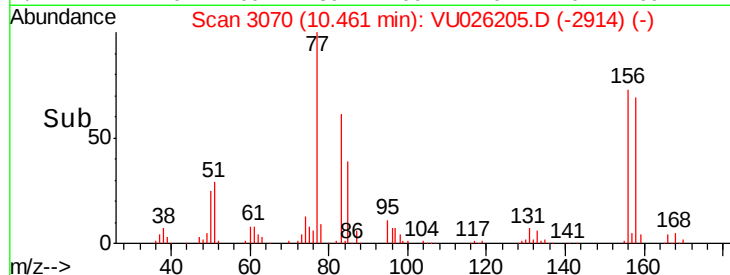
Ion	Ratio	Lower	Upper
83	100		
131	10.6	7.9	11.9
85	63.3	51.8	77.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



#71

1,2,3-Trichloropropane

Concen: 15.036 ug/l

RT: 10.50 min Scan# 3081

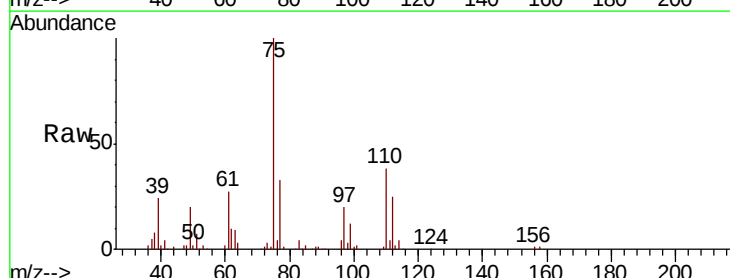
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion: 75 Resp: 107002

Ion	Ratio	Lower	Upper
75	100		
77	30.1	0.0	0.0#
110	26.3	0.0	74.0
97	13.3	0.0	39.6

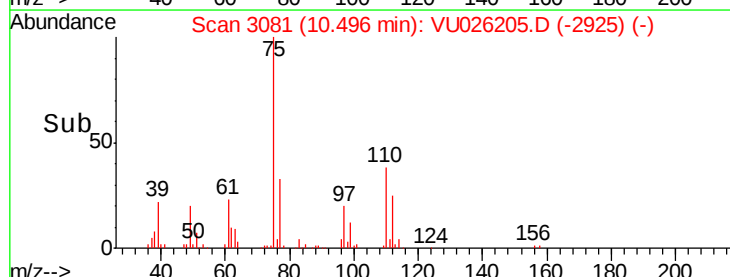


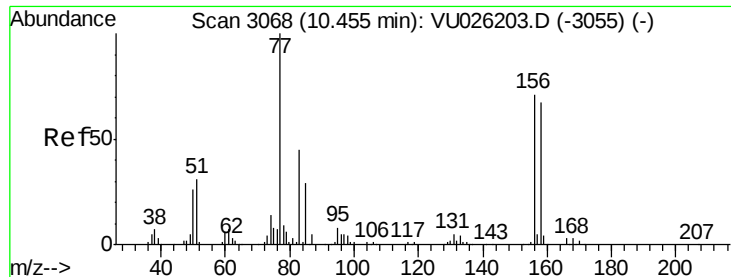
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0





#72

Bromobenzene

Concen: 11.101 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

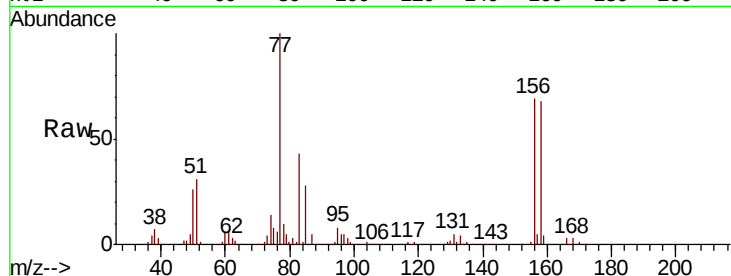
Tot Ion:156 Resp: 139288

Ion Ratio Lower Upper

156 100

77 144.6 0.0 309.8

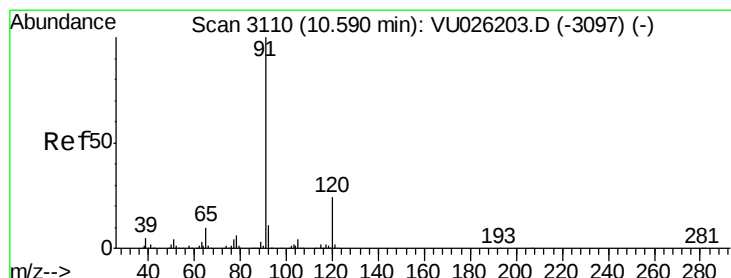
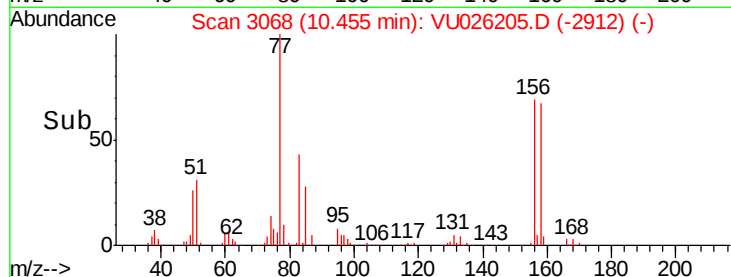
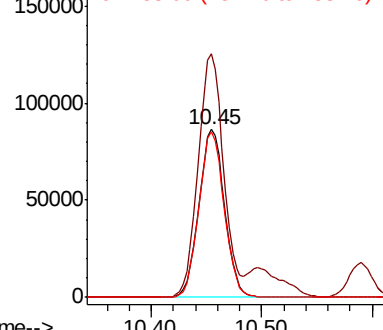
158 97.2 0.0 193.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 12.059 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026205.D

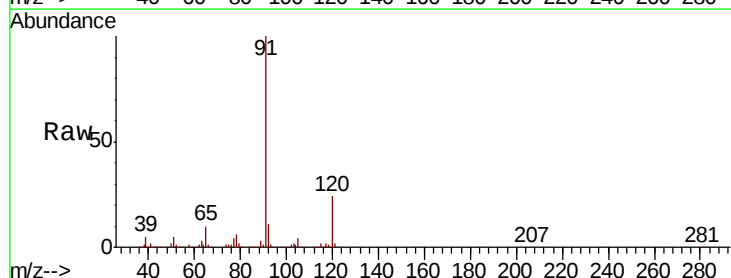
Acq: 20 Aug 2018 13:36

Tgt Ion:120 Resp: 158093

Ion Ratio Lower Upper

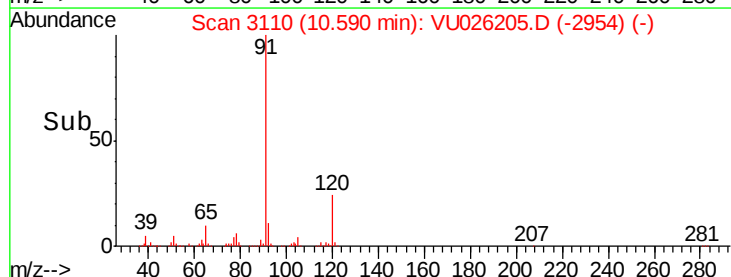
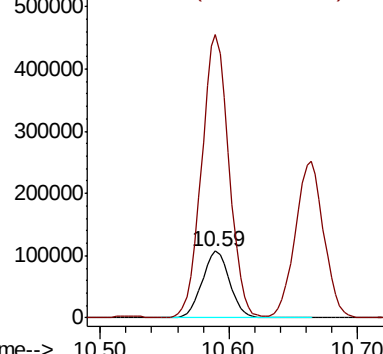
120 100

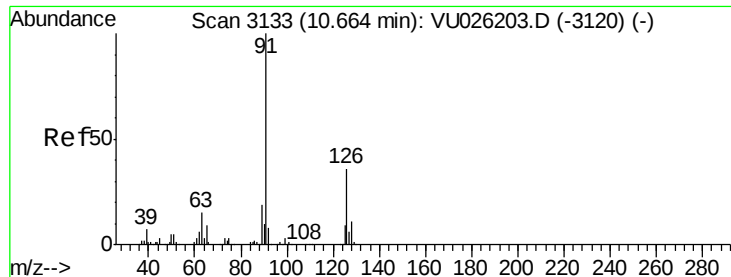
91 421.6 352.2 528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

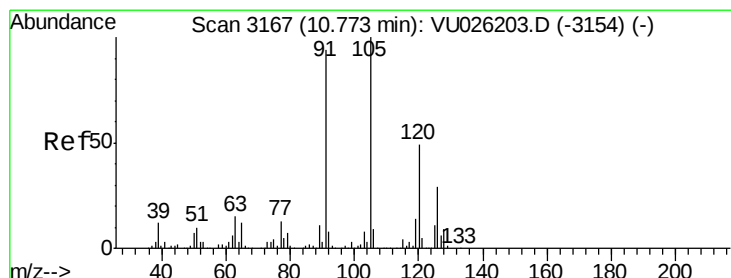
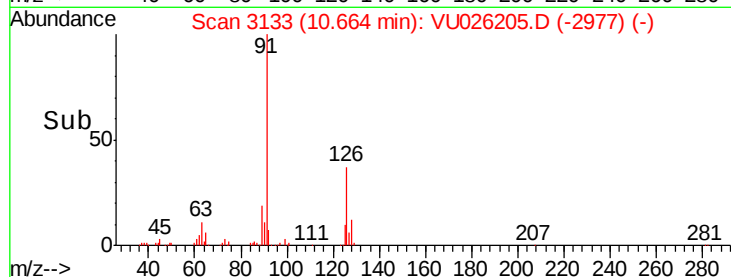
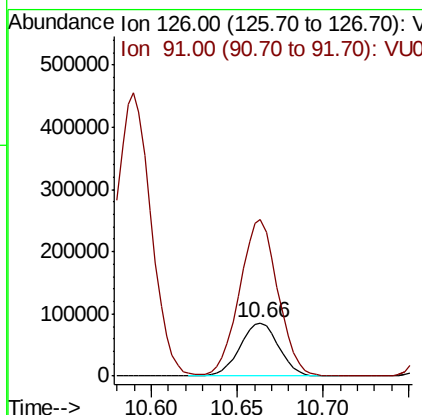
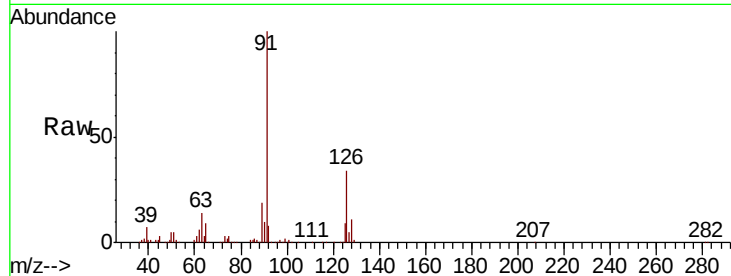




#74
 2-Chlorotoluene
 Concen: 11.277 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

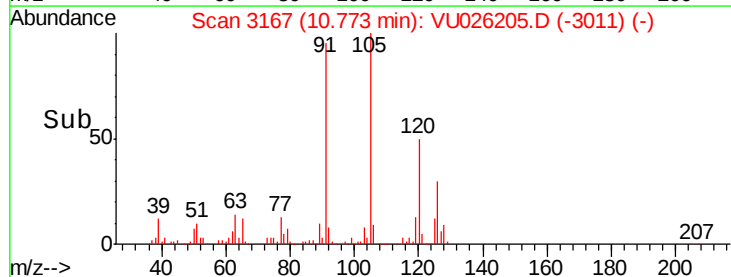
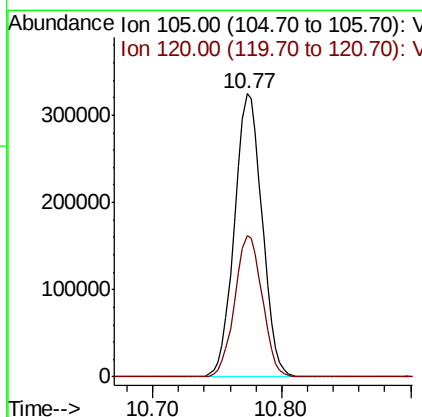
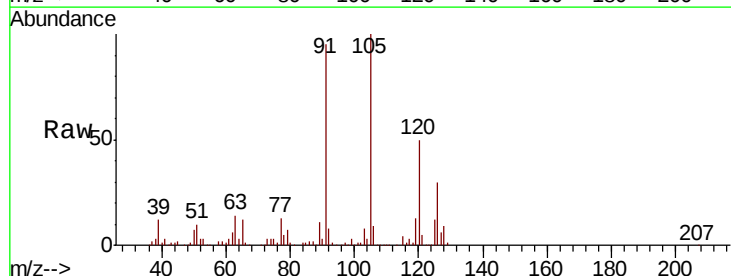
Instrument :
 MSVOA_U
 ClientSampled :

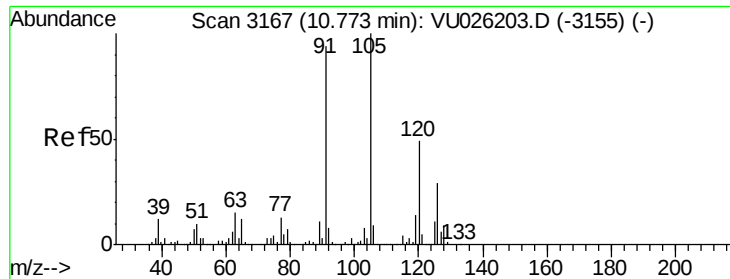
Tot Ion:126 Resp: 133400
 Ion Ratio Lower Upper
 126 100
 91 288.8 0.0 613.0



#75
 1,3,5-Trimethylbenzene
 Concen: 12.128 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion:105 Resp: 483294
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.0 58.6

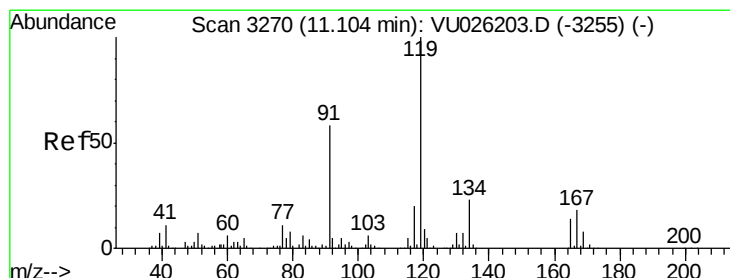
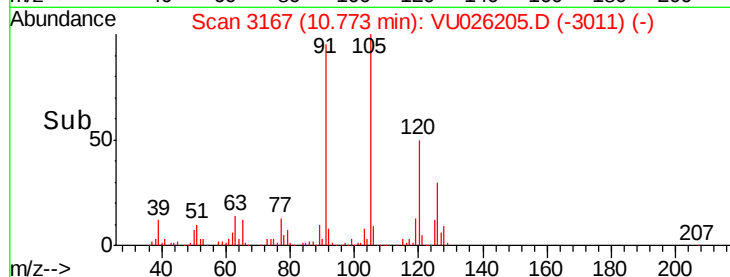
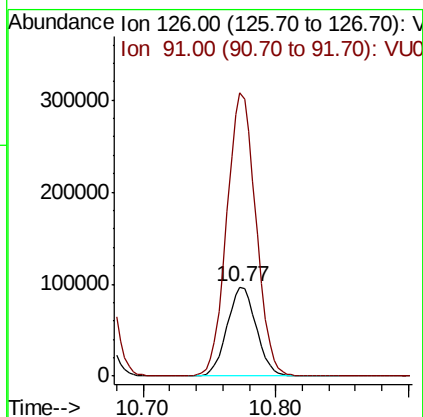
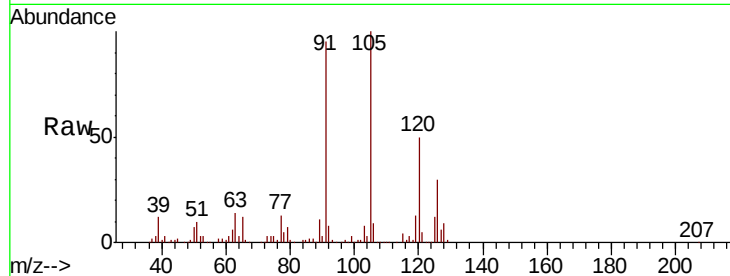




#76
4-Chlorotoluene
Concen: 12.100 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

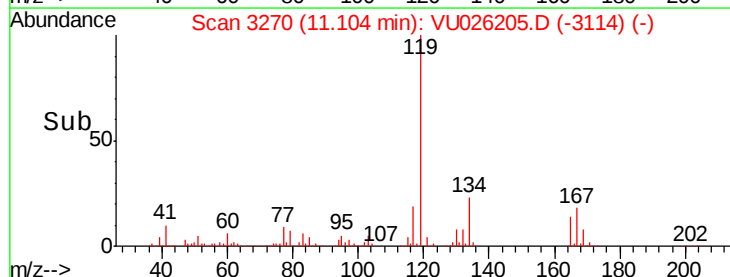
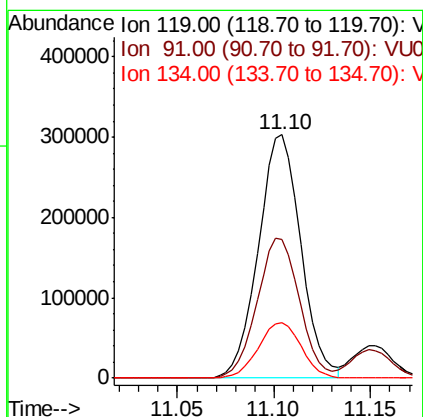
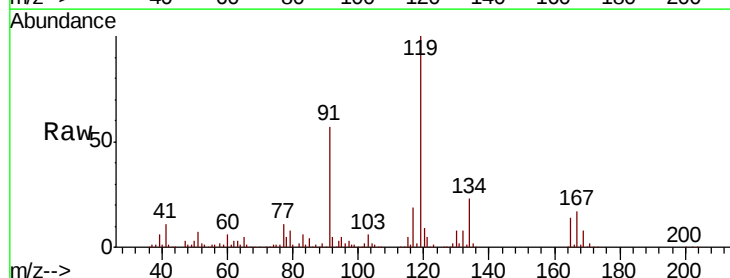
Instrument :
MSVOA_U
ClientSampleId :

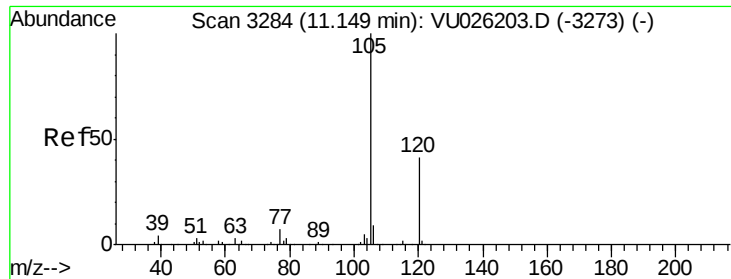
Tot Ion:126 Resp: 147116
Ion Ratio Lower Upper
126 100
91 319.1 0.0 667.2



#77
tert-Butylbenzene
Concen: 11.687 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion:119 Resp: 463966
Ion Ratio Lower Upper
119 100
91 57.3 29.6 88.8
134 23.0 19.1 28.7





#78

1,2,4-Trimethylbenzene

Concen: 12.121 ug/l

RT: 11.15 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

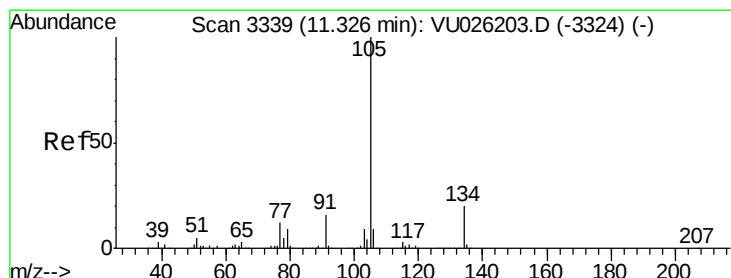
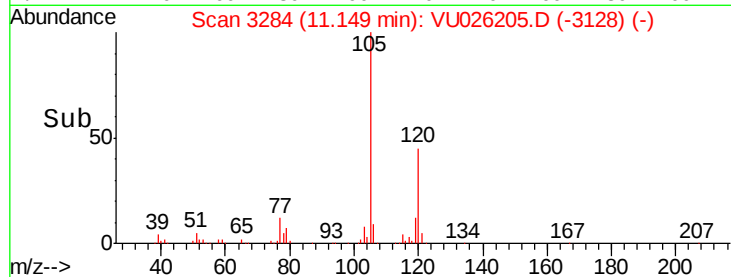
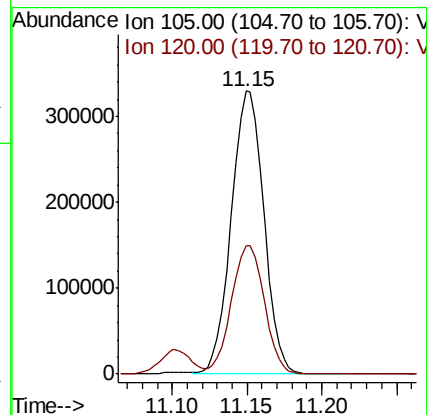
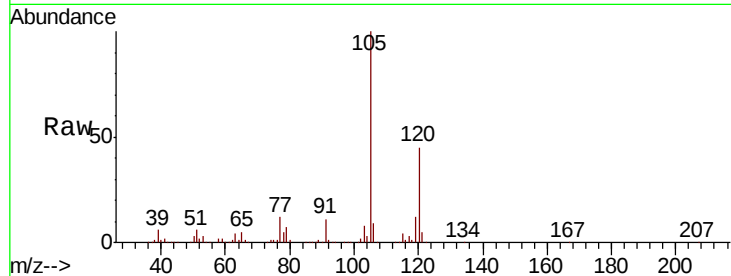
ClientSampleId :

Tot Ion:105 Resp: 499762

Ion Ratio Lower Upper

105 100

120 45.9 23.1 69.3



#79

sec-Butylbenzene

Concen: 11.458 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026205.D

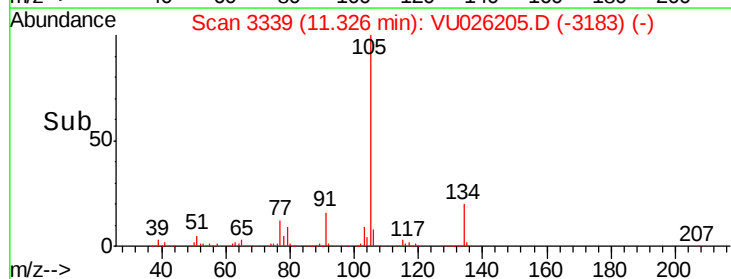
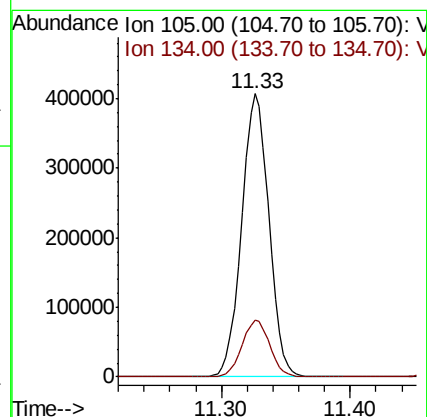
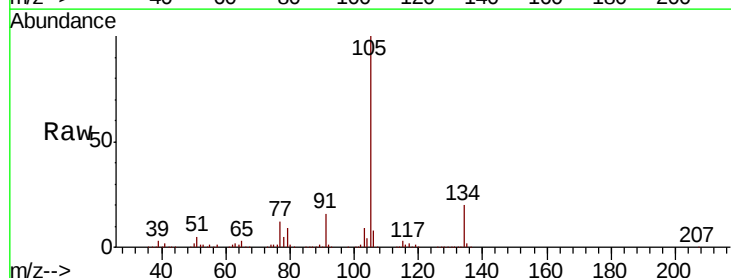
Acq: 20 Aug 2018 13:36

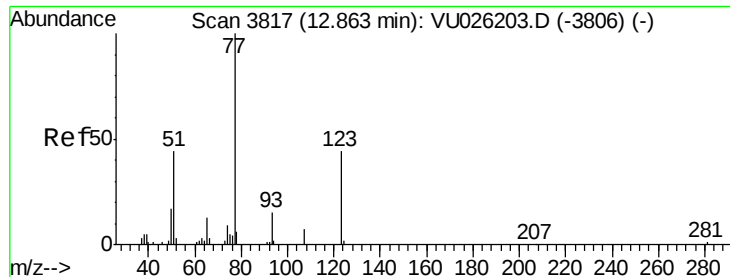
Tgt Ion:105 Resp: 595829

Ion Ratio Lower Upper

105 100

134 20.4 15.6 23.4





#80

Nitrobenzene

Concen: 13.377 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

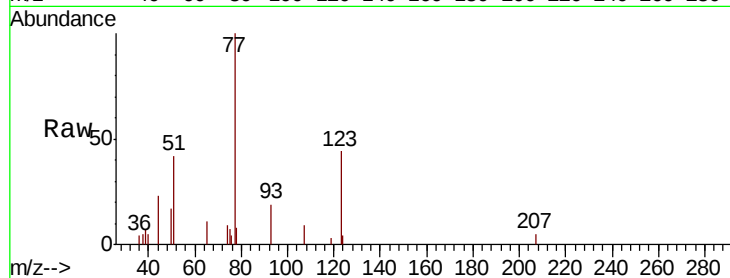
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 77 Resp: 5810

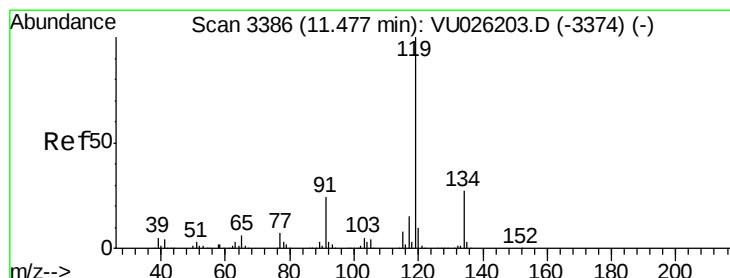
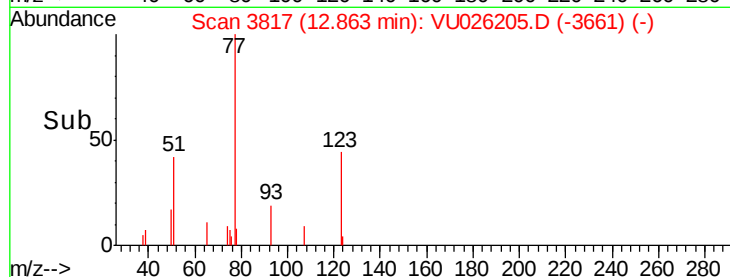
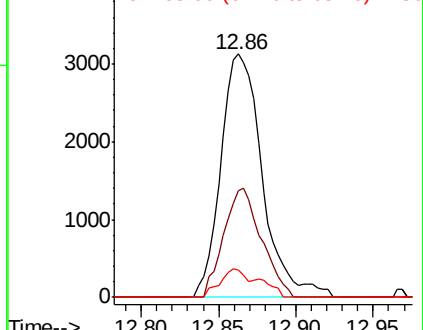
Ion	Ratio	Lower	Upper
77	100		
123	40.7	19.4	68.6
65	10.8	11.2	14.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



#81

p-Isopropyltoluene

Concen: 12.208 ug/l

RT: 11.48 min Scan# 3386

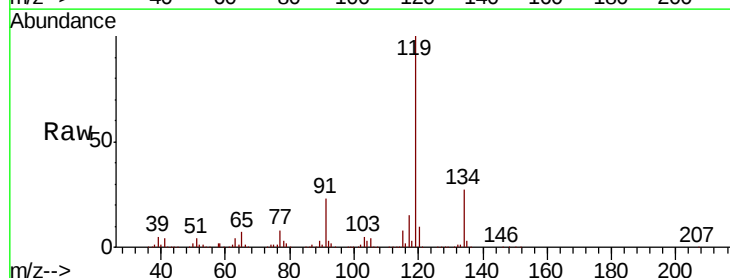
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion: 119 Resp: 537000

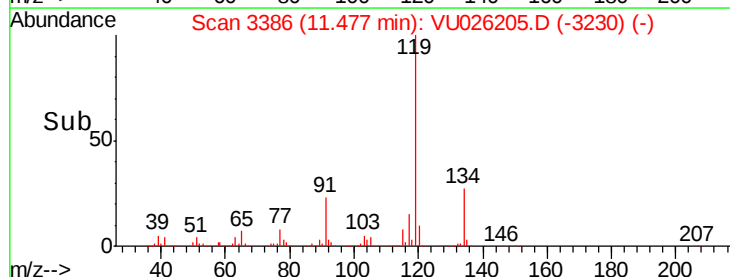
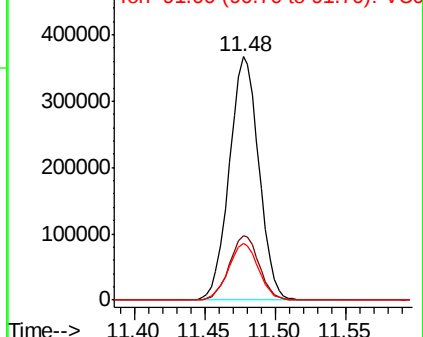
Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.9	31.3
91	23.5	18.2	27.2

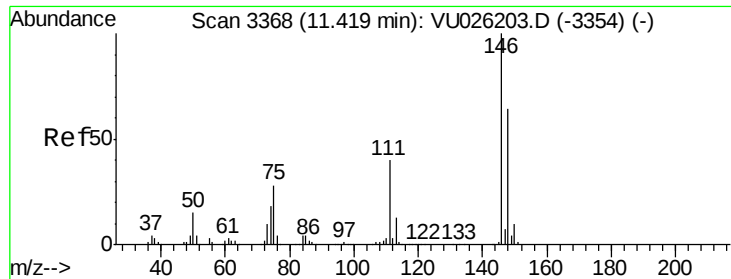


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82

1,3-Dichlorobenzene

Concen: 10.802 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

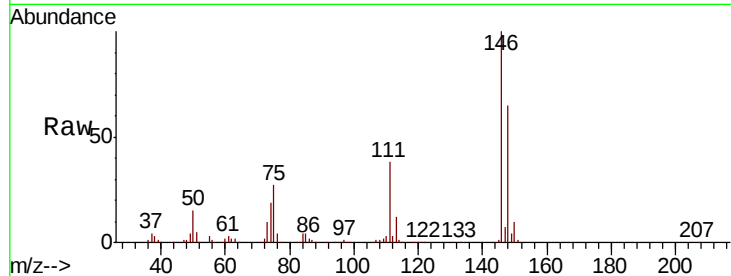
Tot Ion:146 Resp: 285457

Ion Ratio Lower Upper

146 100

111 38.3 31.8 47.6

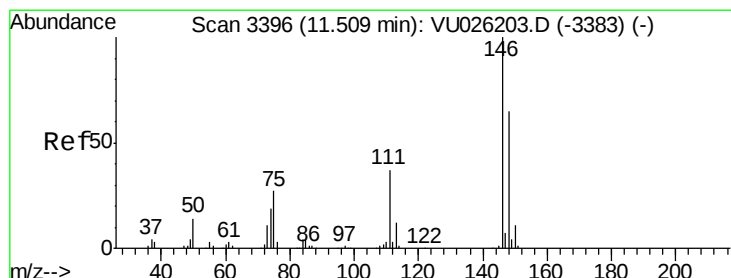
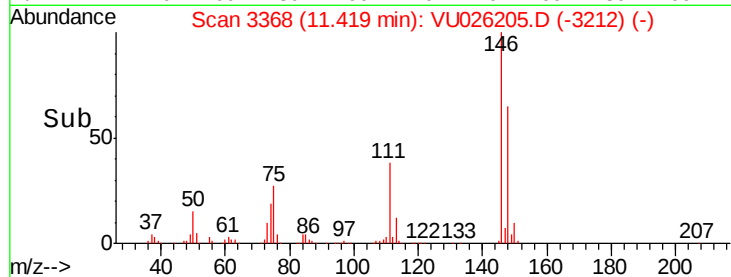
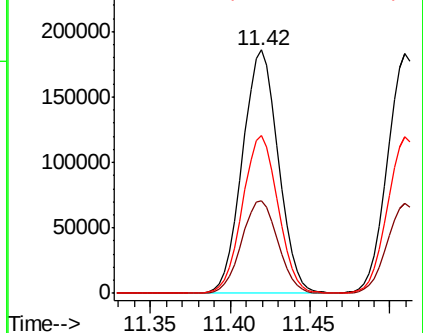
148 64.3 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 10.787 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

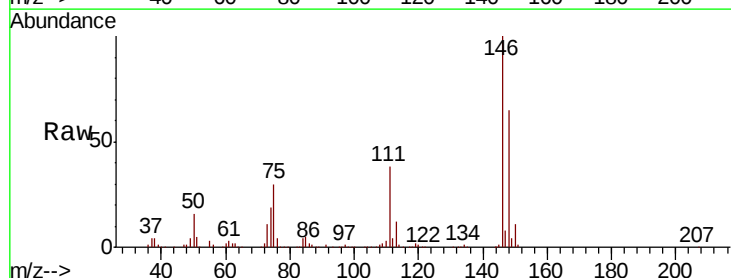
Tgt Ion:146 Resp: 284610

Ion Ratio Lower Upper

146 100

111 37.6 30.1 45.1

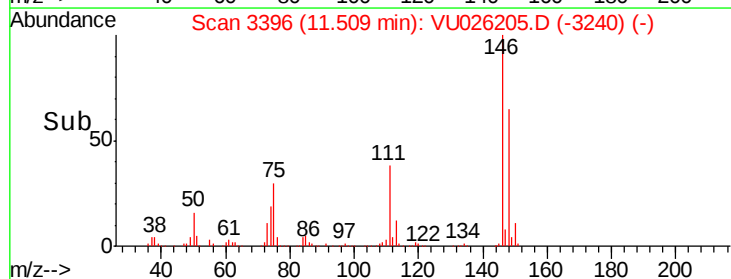
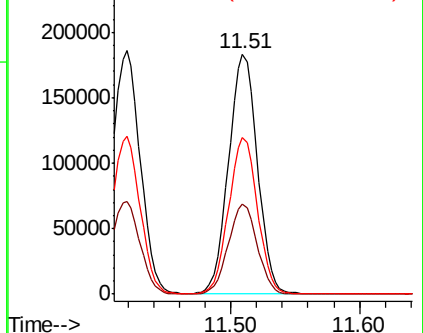
148 65.2 50.6 76.0

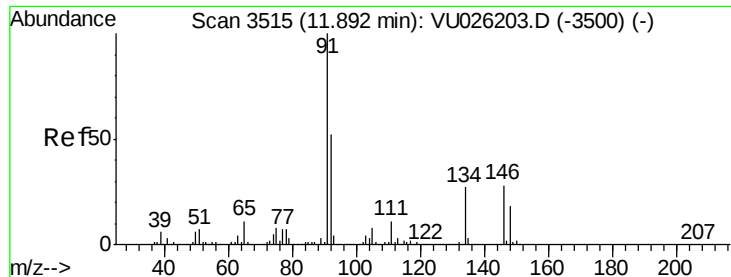


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

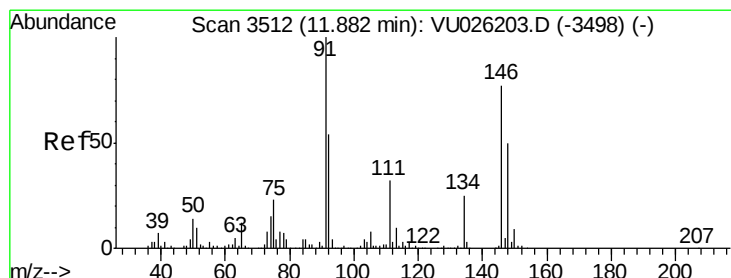
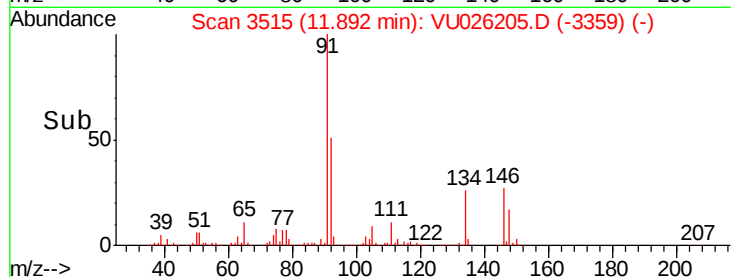
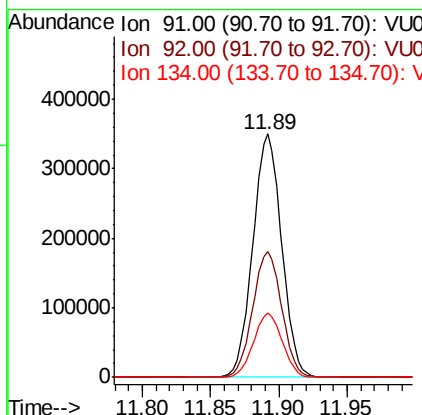
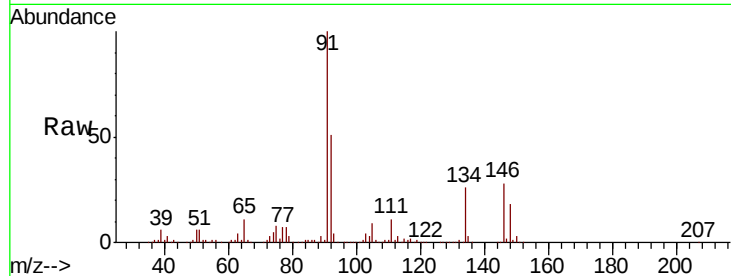




#84
n-Butylbenzene
Concen: 12.050 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

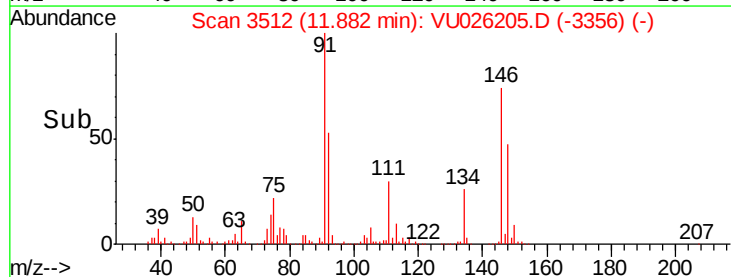
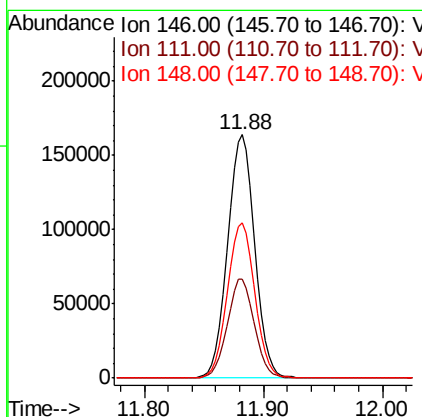
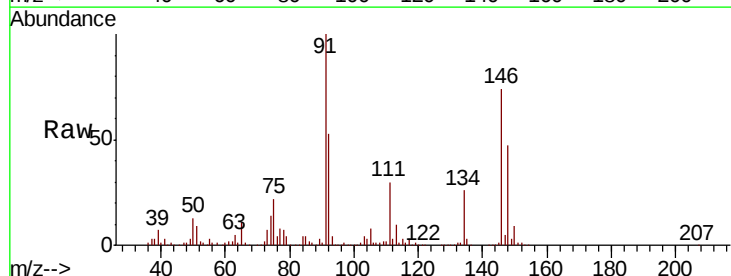
Instrument :
MSVOA_U
ClientSampleId :

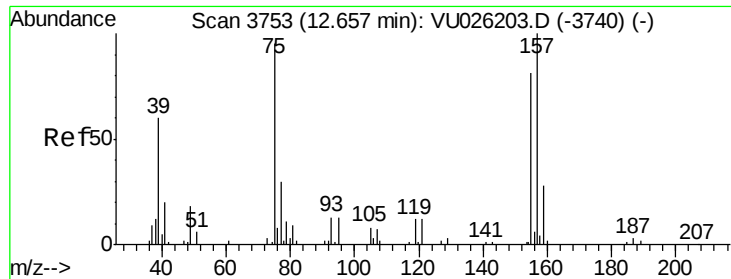
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	42.2	63.2
134	26.5	20.3	30.5



#85
1,2-Dichlorobenzene
Concen: 10.647 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	64.6	31.9	95.5

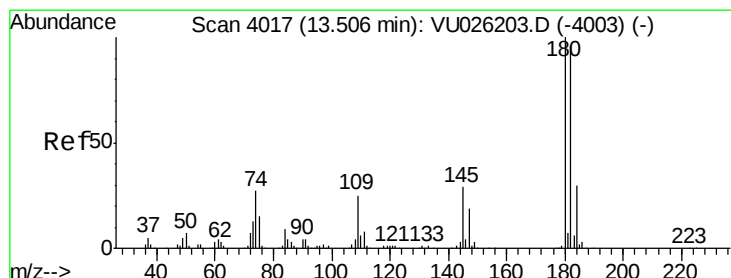
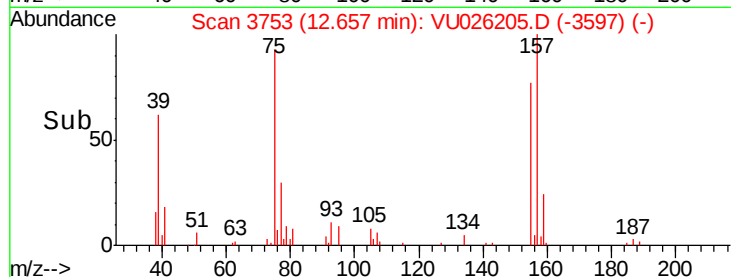
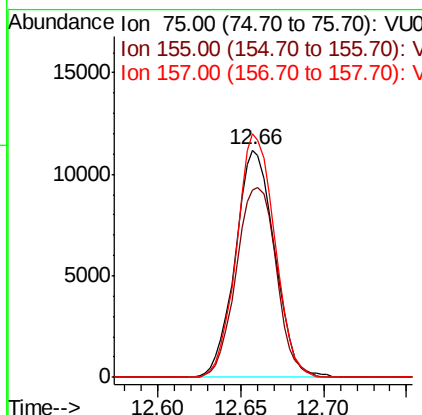
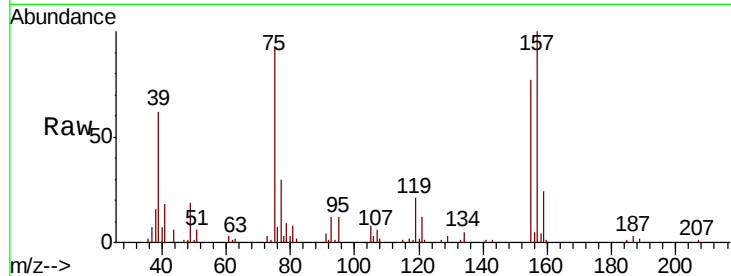




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.580 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

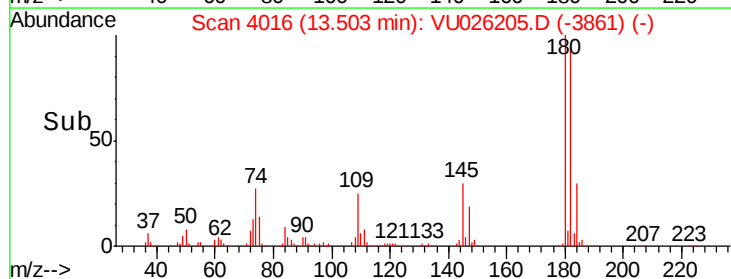
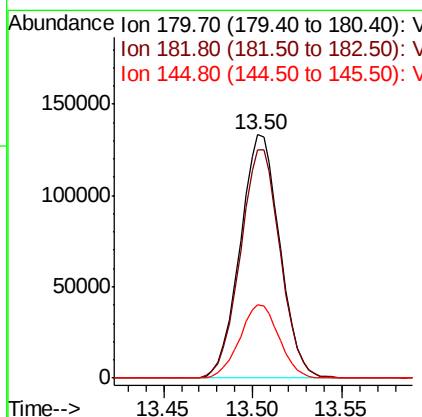
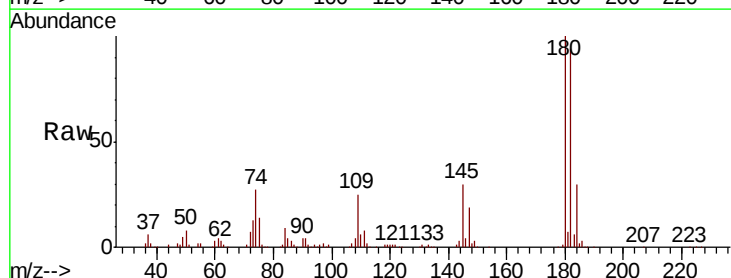
Instrument :
 MSVOA_U
 ClientSampleId :

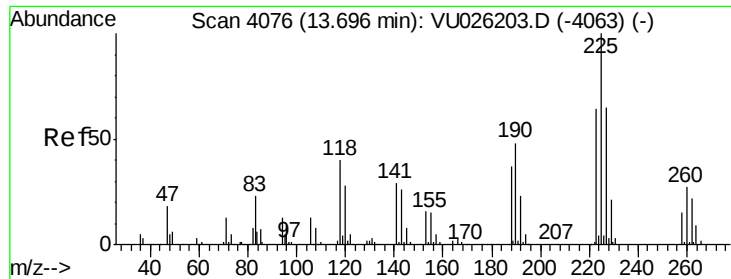
Tot Ion: 75 Resp: 18511
 Ion Ratio Lower Upper
 75 100
 155 85.4 65.8 98.6
 157 103.7 83.5 125.3



#87
 1,2,4-Trichlorobenzene
 Concen: 12.118 ug/l
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 180 Resp: 206834
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.1 115.7
 145 29.9 23.3 34.9





#88

Hexachlorobutadiene

Concen: 11.062 ug/l

RT: 13.69 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

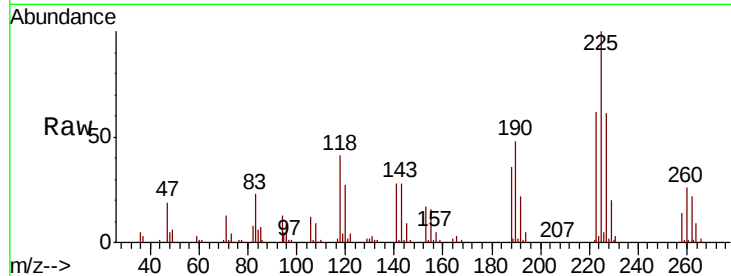
Tot Ion:225 Resp: 115500

Ion Ratio Lower Upper

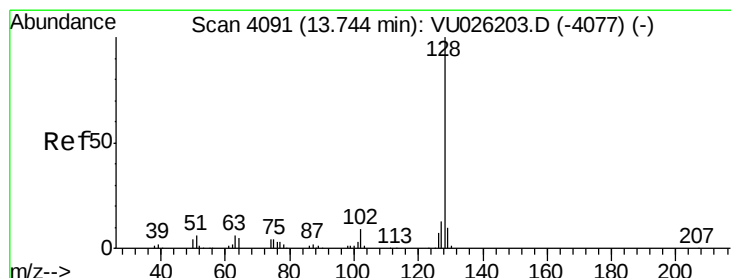
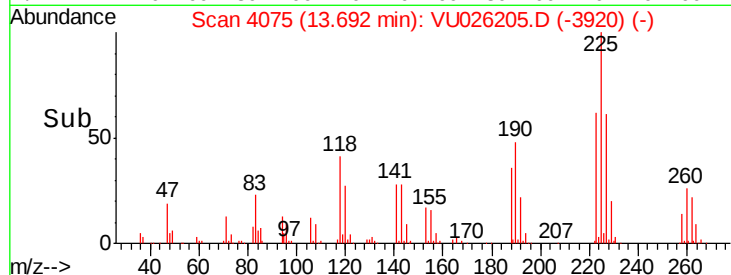
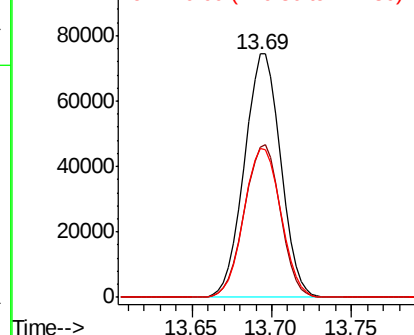
225 100

223 62.0 50.6 75.8

227 62.3 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 12.627 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

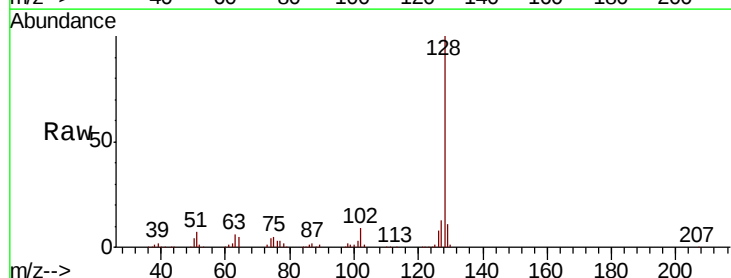
Tgt Ion:128 Resp: 339490

Ion Ratio Lower Upper

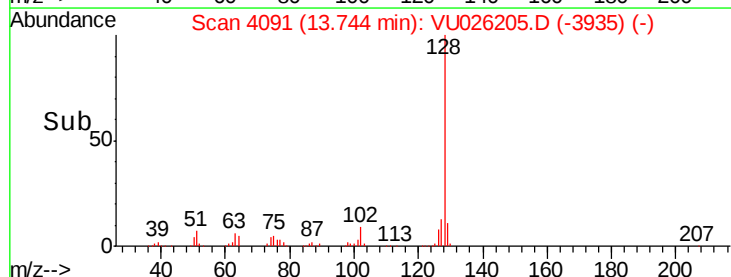
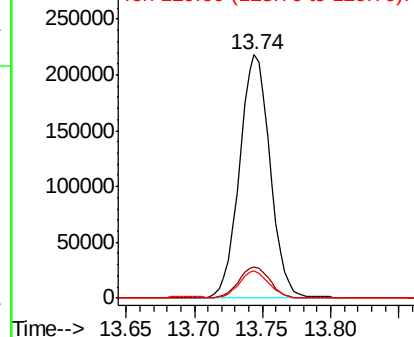
128 100

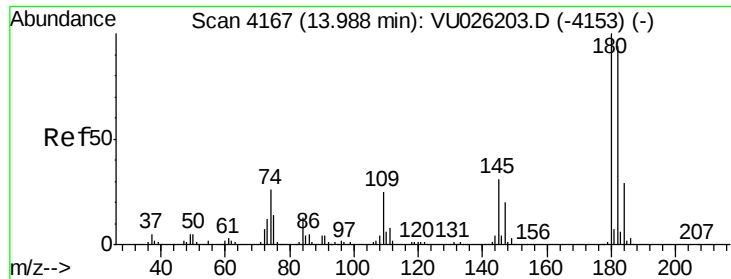
127 13.2 10.5 15.7

129 10.7 8.7 13.1



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

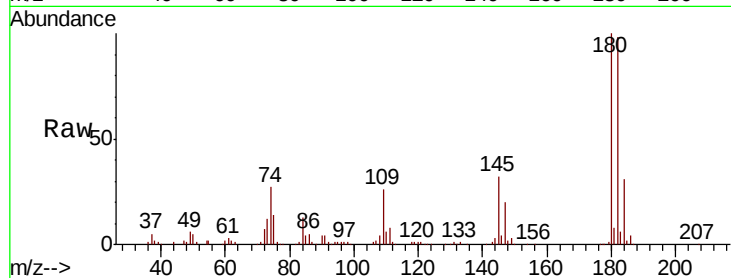




#90
 1,2,3-Trichlorobenzene
 Concen: 11.426 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.8	115.2
145	31.1	24.6	36.8



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

