

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031202.D
 Acq On : 15 Apr 2019 22:47
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Quant Time: Apr 16 04:16:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	34482	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	12809	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12749	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	225850	16.149	ug/l	99
3) Chloromethane	1.32	50	235967	14.278	ug/l	99
4) Vinyl Chloride	1.40	62	231685	14.691	ug/l	99
5) Bromomethane	1.63	94	138592	17.785	ug/l	99
6) Chloroethane	1.70	64	154343	16.824	ug/l	100
7) Trichlorofluoromethane	1.88	101	344337	18.312	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	176068	18.595	ug/l	99
9) 1,1-Dichloroethene	2.28	96	173165	18.455	ug/l	95
10) Iodomethane	2.41	142	261494	21.412	ug/l	100
11) Allyl Chloride	2.59	41	334737	16.674	ug/l	100
12) Acrylonitrile	2.94	53	93142	30.529	ug/l	98
13) Acetone	2.33	43	207642	74.193	ug/l	99
14) Carbon Disulfide	2.48	76	647479	18.782	ug/l	100
15) Methylene Chloride	2.70	84	195145	15.248	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	182125	17.158	ug/l	98
17) 1,1-Dichloroethane	3.44	63	280889	13.520	ug/l	99
18) 2-Butanone	4.27	43	237860	66.684	ug/l	100
19) Cyclohexane	4.99	56	217712	12.991	ug/l	99
20) Methylcyclohexane	6.41	83	237156	16.308	ug/l	98
21) 2,2-Dichloropropane	4.22	77	222095	13.839	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	161311	15.052	ug/l	98
23) Diethyl Ether	2.10	59	158186	16.752	ug/l	99
24) tert-Butyl Alcohol	2.86	59	165206	149.769	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	495515	16.890	ug/l	100
26) Bromochloromethane	4.54	128	72275	15.570	ug/l	100
27) Chloroform	4.67	83	280152	14.237	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	242428	14.964	ug/l	100
29) 1,1-Dichloropropene	5.13	75	213947	15.078	ug/l	100
30) Carbon Tetrachloride	5.13	117	216374	15.294	ug/l	99
31) Isopropyl Ether	3.57	45	436091	12.921	ug/l	96
32) Ethyl-t-butyl ether	4.06	59	394842	14.396	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	362312	15.708	ug/l	99
34) Propionitrile	4.33	54	67899	76.584	ug/l #	96
35) Benzene	5.38	78	615457	14.611	ug/l	100
36) 1,2-Dichloroethane	5.40	62	191831	14.317	ug/l	99
37) Trichloroethene	6.18	130	160211	15.627	ug/l	93
38) 1,2-Dichloropropane	6.43	63	163587	13.618	ug/l	100
39) Methacrylonitrile	4.54	41	60708	13.847	ug/l	99
40) Methyl acrylate	4.42	55	91617	17.005	ug/l	98
41) Tetrahydrofuran	4.65	42	64151	27.190	ug/l	99
42) 1-Chlorobutane	5.06	56	309705	14.369	ug/l	99

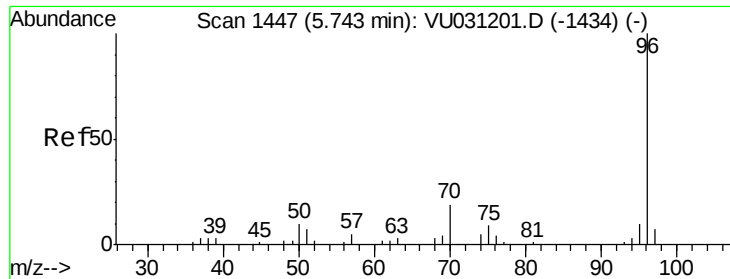
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	86594	15.367	ug/l	99
44) Bromodichloromethane	6.75	83	209907	14.261	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	576267	71.899	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	87320	31.647	ug/l	98
47) Methyl methacrylate	6.62	69	171241	33.337	ug/l	99
48) Ethyl methacrylate	8.02	69	165191	17.169	ug/l	98
49) Toluene	7.63	92	367922	16.007	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	199207	15.786	ug/l	98
51) cis-1,3-Dichloropropene	7.26	75	229021	15.101	ug/l	97
52) 1,1,2-Trichloroethane	8.06	97	115855	14.412	ug/l	98
53) 1,3-Dichloropropane	8.24	76	205391	14.596	ug/l	98
54) 2-Hexanone	8.36	43	405099	76.191	ug/l	99
55) Dibromochloromethane	8.47	129	142047	15.550	ug/l	99
56) 1,2-Dibromoethane	8.58	107	112395	15.491	ug/l	97
58) Tetrachloroethene	8.22	164	149128	16.368	ug/l	97
59) Chlorobenzene	9.12	112	389473	15.496	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	142581	15.034	ug/l	99
61) Pentachloroethane	11.10	117	103676	14.268	ug/l	93
62) Hexachloroethane	12.14	117	106539	15.429	ug/l	100
63) Ethyl Benzene	9.24	91	691822	16.621	ug/l	99
64) m/p-Xylenes	9.37	106	528417	34.725	ug/l	100
65) o-Xylene	9.77	106	247305	16.723	ug/l	99
66) Styrene	9.79	104	443262	17.359	ug/l	99
67) Bromoform	9.95	173	84434	16.082	ug/l	99
69) Isopropylbenzene	10.16	105	670864	17.001	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	150336	14.220	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	87320	10.863	ug/l #	88
72) Bromobenzene	10.45	156	164407	16.481	ug/l	99
73) n-propylbenzene	10.58	120	184296	17.508	ug/l	98
74) 2-Chlorotoluene	10.66	126	159467	16.601	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	580148	17.356	ug/l	98
76) 4-Chlorotoluene	10.77	126	165763	16.908	ug/l	99
77) tert-Butylbenzene	11.10	119	543628	16.690	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	589097	17.300	ug/l	100
79) sec-Butylbenzene	11.32	105	743698	16.802	ug/l	99
80) Nitrobenzene	12.86	77	30299	96.296	ug/l #	95
81) p-Isopropyltoluene	11.47	119	611081	17.607	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	318484	16.121	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	314830	16.123	ug/l	99
84) n-Butylbenzene	11.88	91	599040	17.173	ug/l	98
85) 1,2-Dichlorobenzene	11.87	146	294916	15.707	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24567	14.883	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	211141	18.828	ug/l	99
88) Hexachlorobutadiene	13.69	225	118998	17.680	ug/l	98
89) Naphthalene	13.74	128	404792	20.491	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	203362	18.234	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

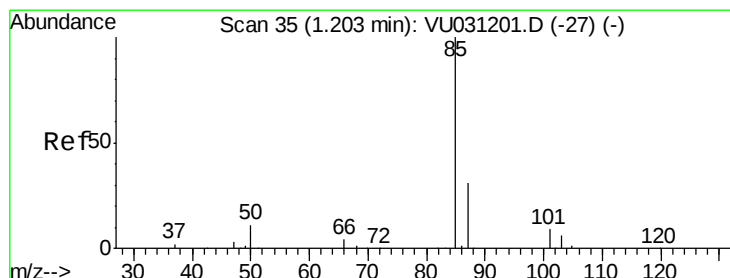
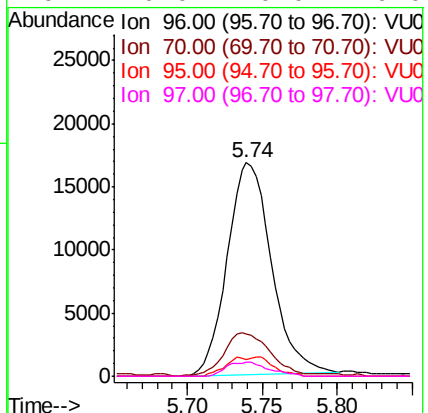
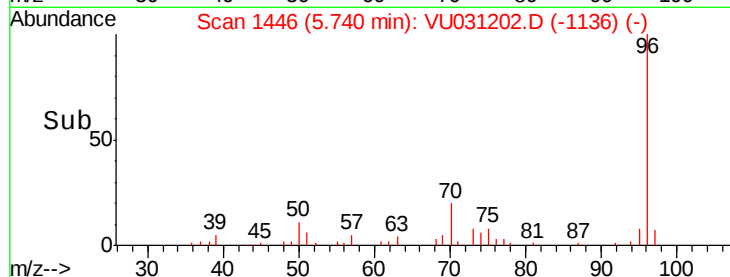
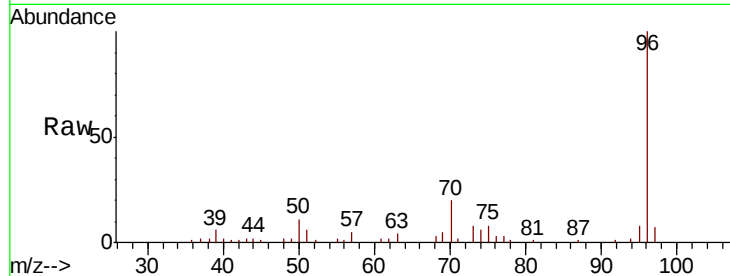
ClientSampleId :

VSTDIC015

Tgt Ion: 96 Resp: 34482

Ion Ratio Lower Upper

96	100		
70	21.1	18.4	27.6
95	0.0	7.6	11.4
97	0.0	0.0	0.0



#2

Dichlorodifluoromethane

Concen: 16.149 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

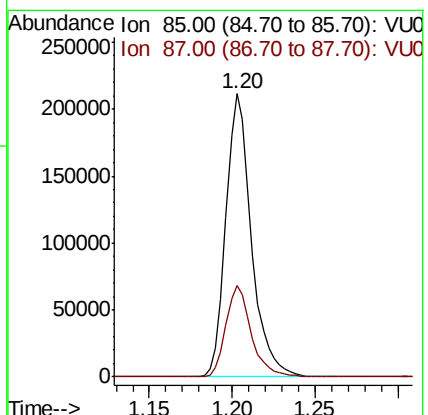
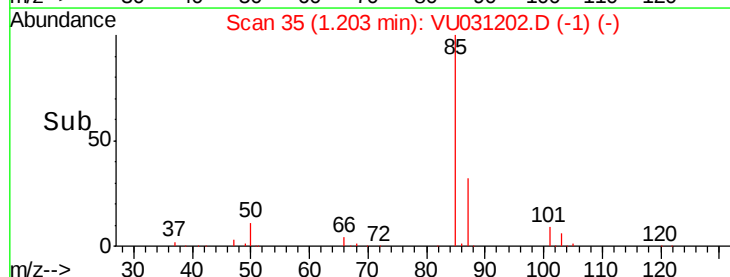
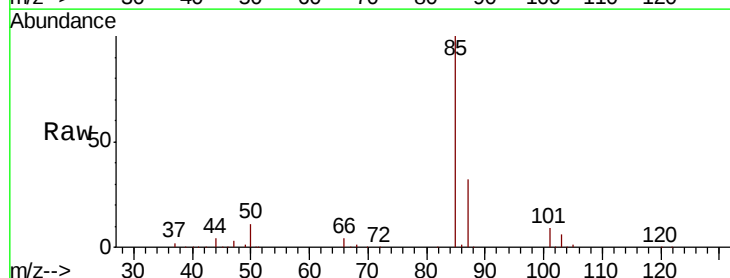
Lab File: VU031202.D

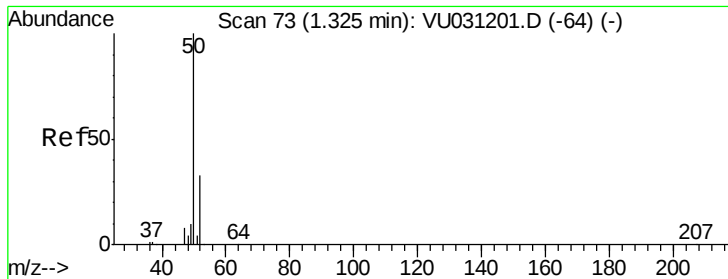
Acq: 15 Apr 2019 22:47

Tgt Ion: 85 Resp: 225850

Ion Ratio Lower Upper

85	100		
87	32.3	15.8	47.3





#3

Chloromethane

Concen: 14.278 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

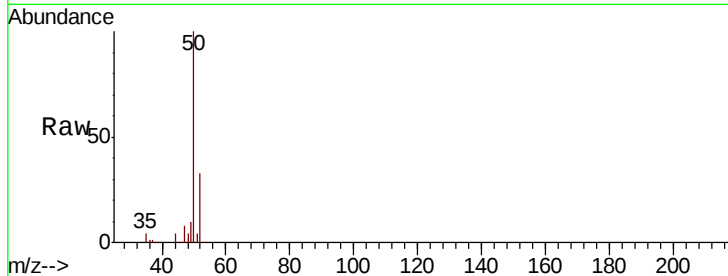
VSTDIC015

Tgt Ion: 50 Resp: 235967

Ion Ratio Lower Upper

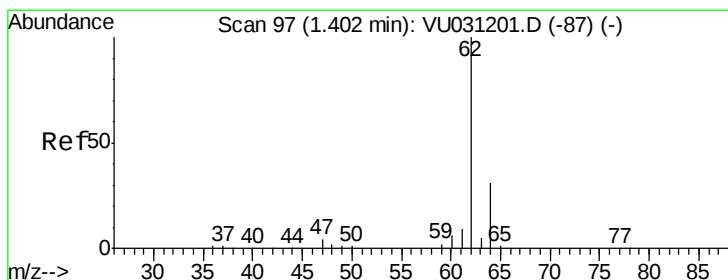
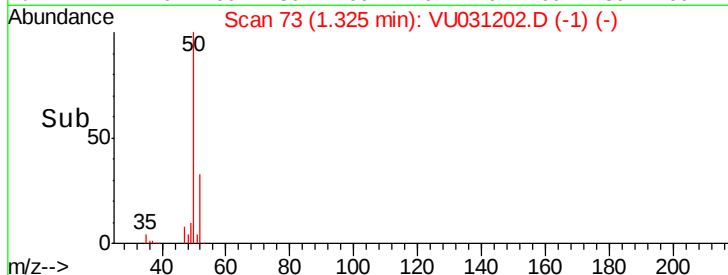
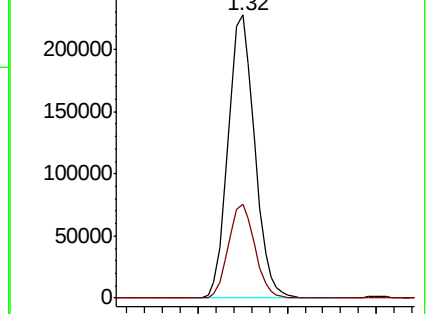
50 100

52 33.4 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VU031201.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031201.D (-64) (-)



#4

Vinyl Chloride

Concen: 14.691 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031202.D

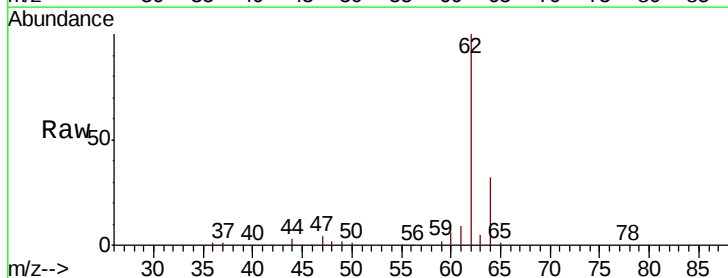
Acq: 15 Apr 2019 22:47

Tgt Ion: 62 Resp: 231685

Ion Ratio Lower Upper

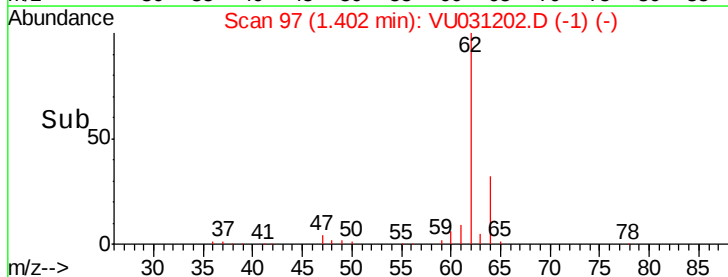
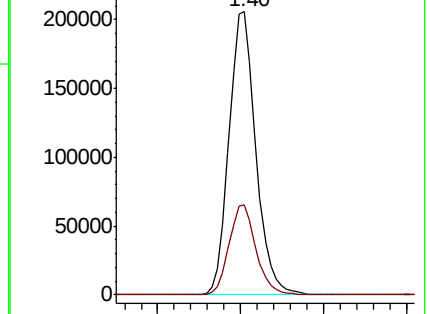
62 100

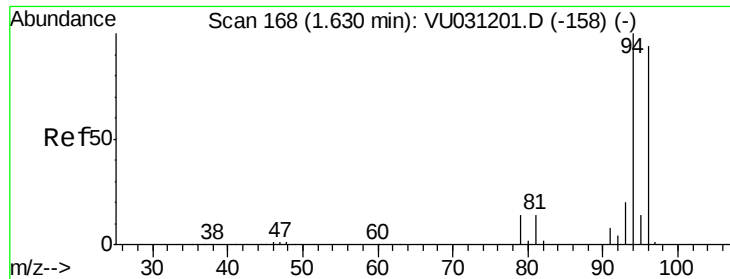
64 31.8 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VU031201.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU031201.D (-87) (-)

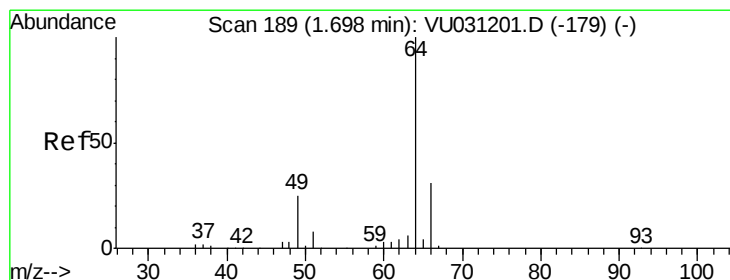
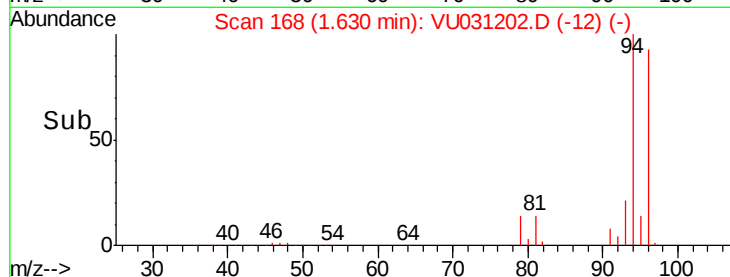
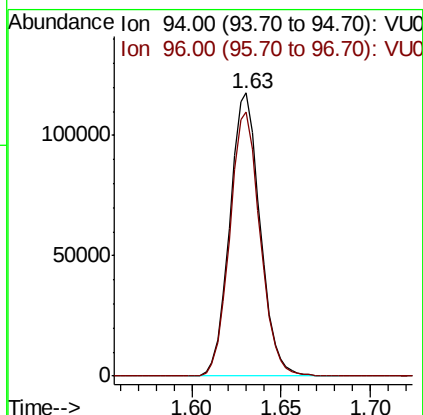
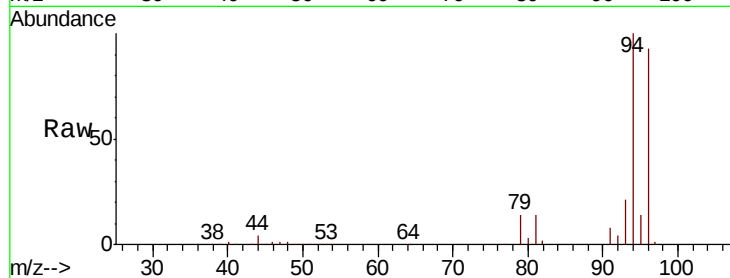




#5
Bromomethane
Concen: 17.785 ug/l
RT: 1.63 min Scan# 168
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

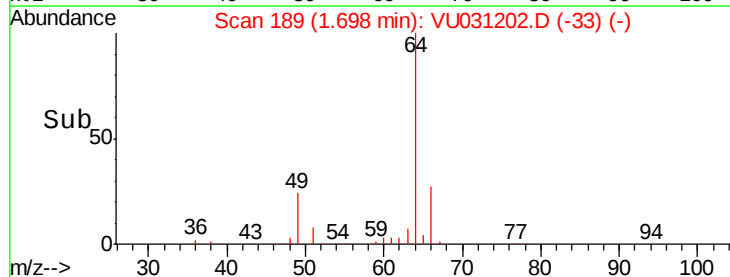
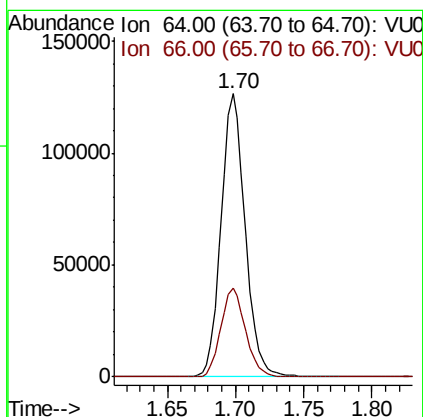
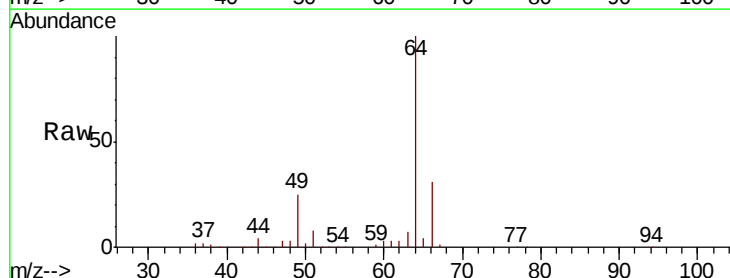
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

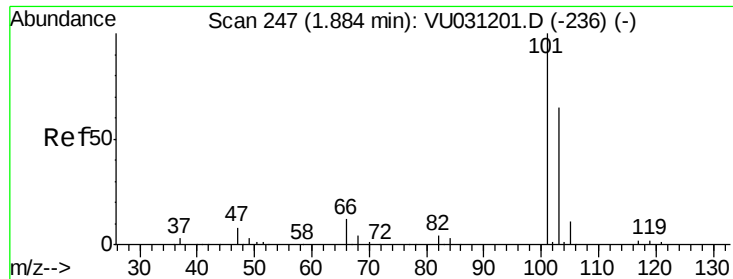
Tgt Ion: 94 Resp: 138592
Ion Ratio Lower Upper
94 100
96 93.3 75.0 112.6



#6
Chloroethane
Concen: 16.824 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 64 Resp: 154343
Ion Ratio Lower Upper
64 100
66 31.3 25.1 37.7



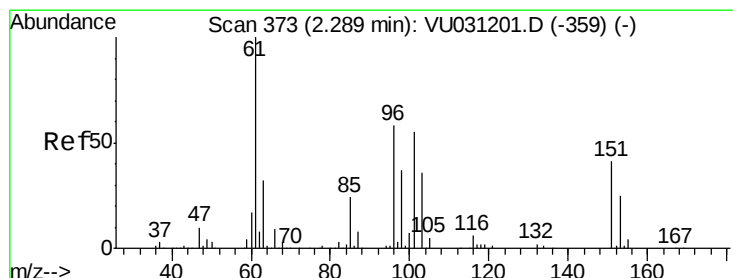
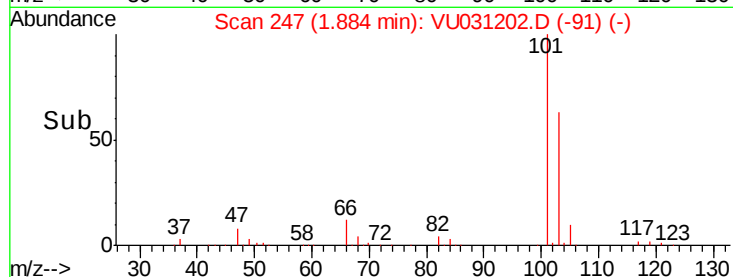
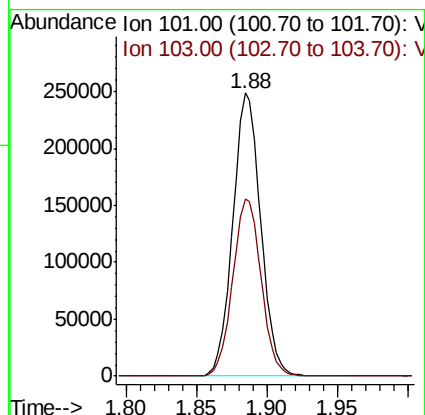
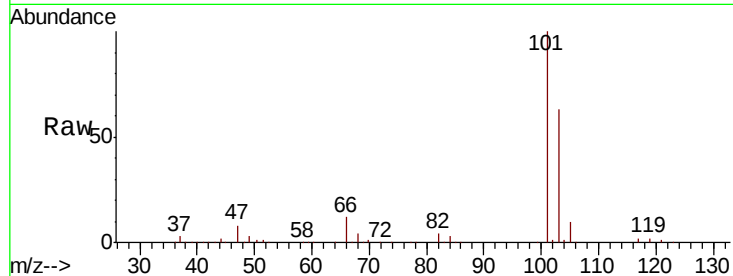


#7

Trichlorofluoromethane
Concen: 18.312 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

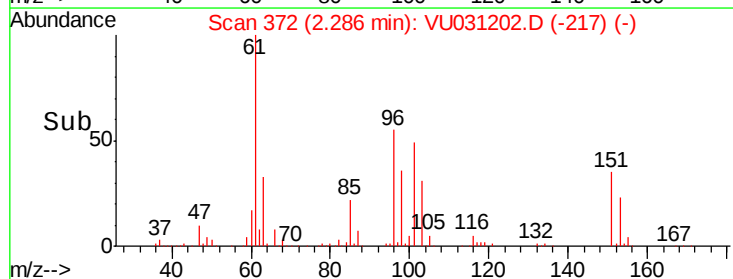
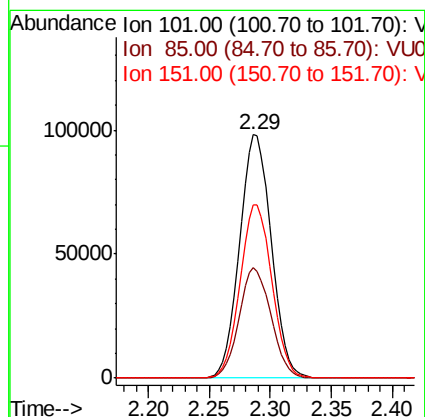
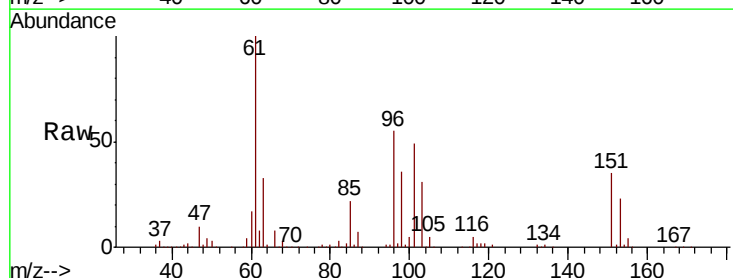
Tgt Ion:101 Resp: 344337
Ion Ratio Lower Upper
101 100
103 62.7 51.8 77.8

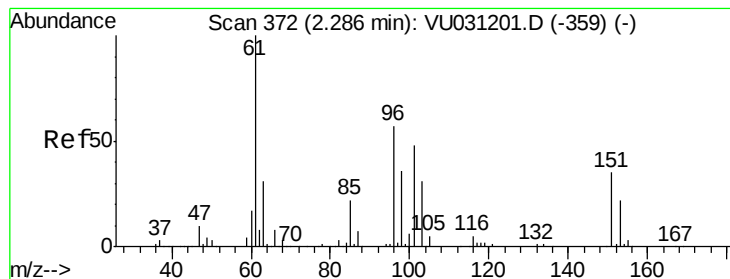


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 18.595 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion:101 Resp: 176068
Ion Ratio Lower Upper
101 100
85 45.3 36.1 54.1
151 71.6 58.2 87.2





#9

1,1-Dichloroethene

Concen: 18.455 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

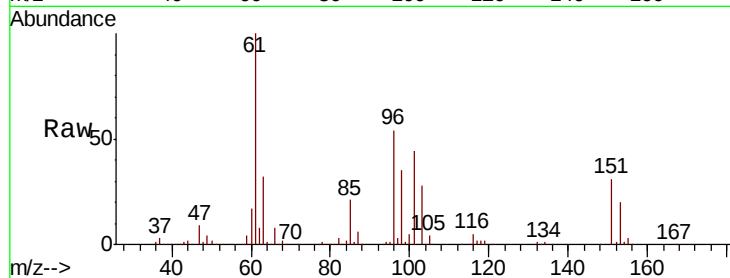
Tgt Ion: 96 Resp: 173165

Ion Ratio Lower Upper

96 100

61 183.8 0.0 527.7

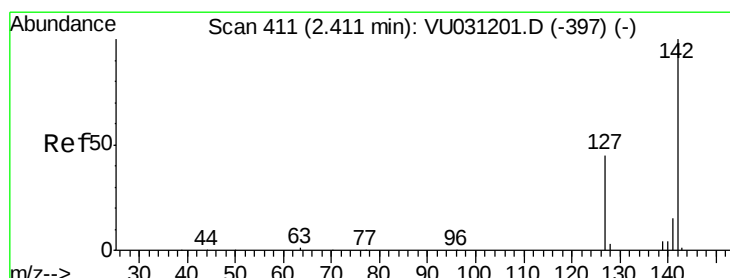
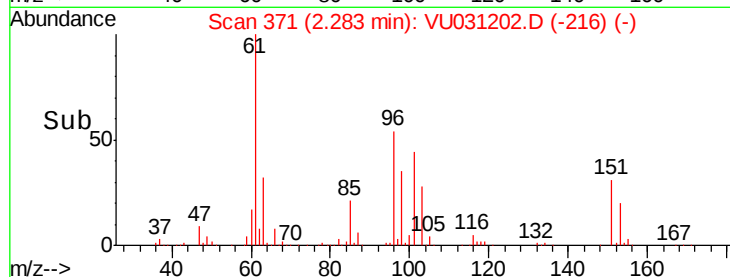
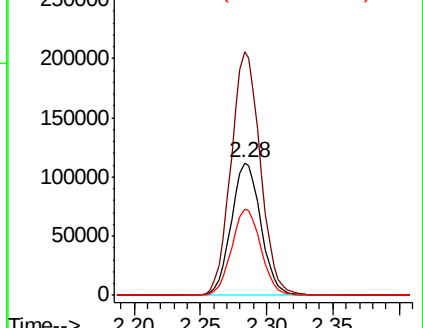
98 64.9 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU031202.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU031202.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU031202.D (-216) (-)



#10

Iodomethane

Concen: 21.412 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU031202.D

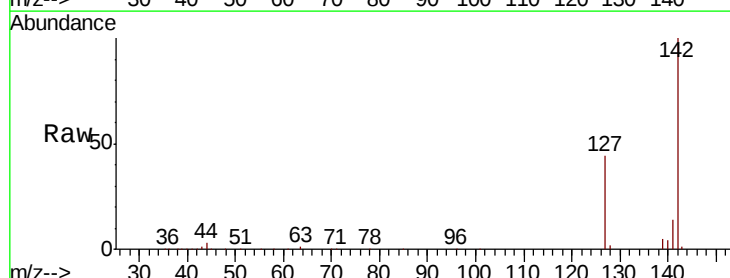
Acq: 15 Apr 2019 22:47

Tgt Ion: 142 Resp: 261494

Ion Ratio Lower Upper

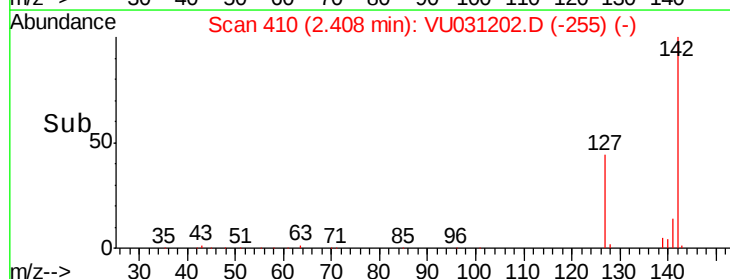
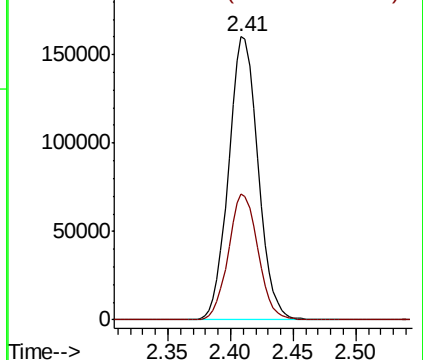
142 100

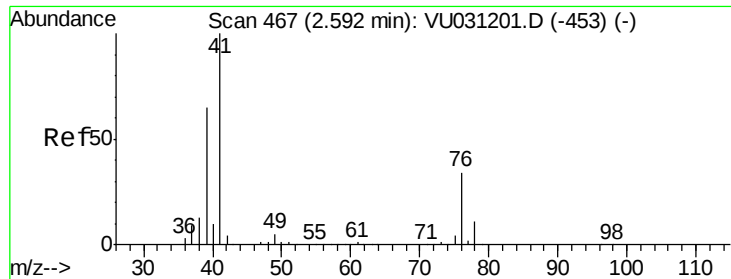
127 44.7 35.9 53.9



Abundance Ion 142.00 (141.70 to 142.70): VU031202.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU031202.D (-255) (-)

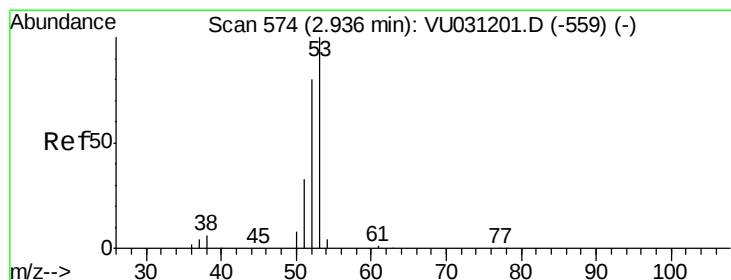
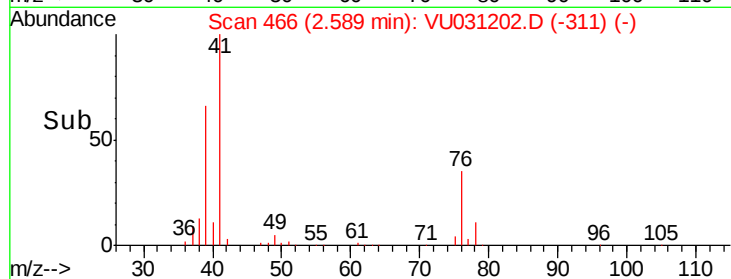
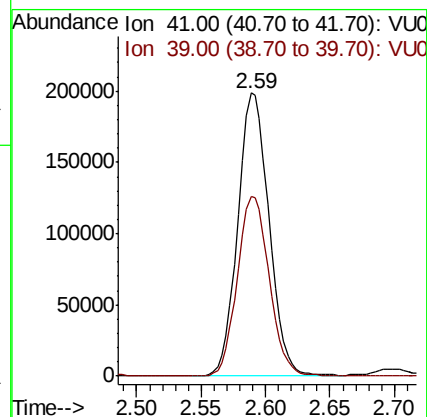
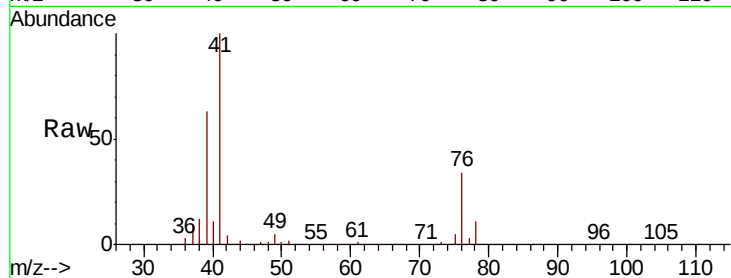




#11
 Allyl Chloride
 Concen: 16.674 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

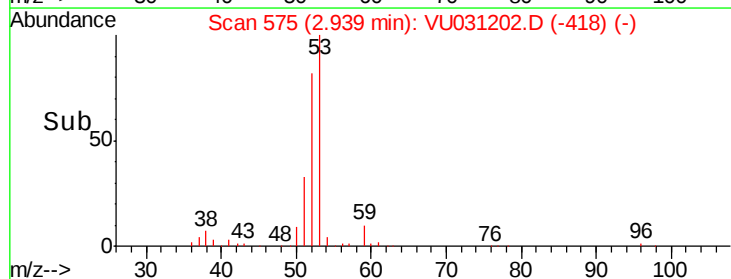
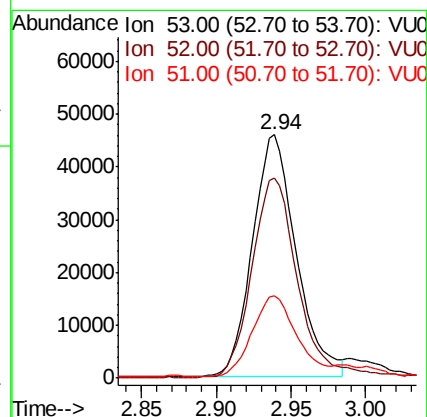
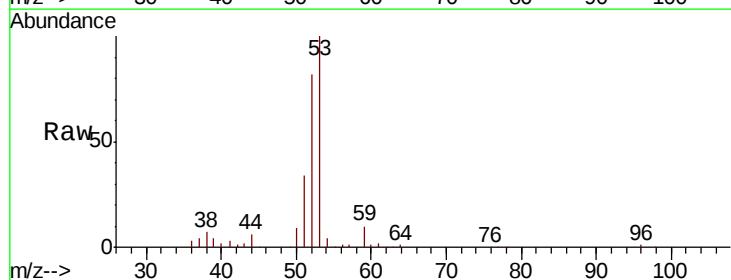
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

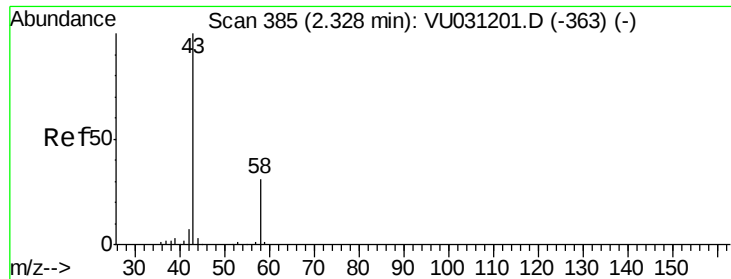
Tgt Ion: 41 Resp: 334737
 Ion Ratio Lower Upper
 41 100
 39 64.6 51.9 77.9



#12
 Acrylonitrile
 Concen: 30.529 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 53 Resp: 93142
 Ion Ratio Lower Upper
 53 100
 52 87.8 67.8 101.8
 51 33.8 26.9 40.3





#13

Acetone

Concen: 74.193 ug/l

RT: 2.33 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampled :

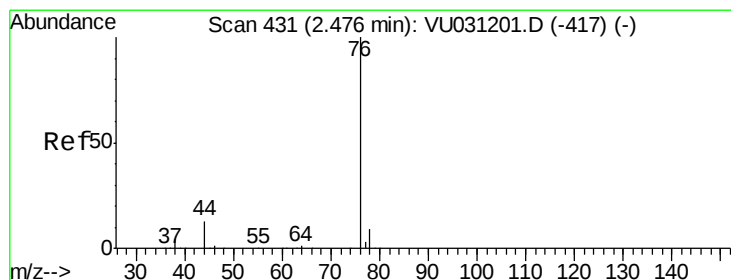
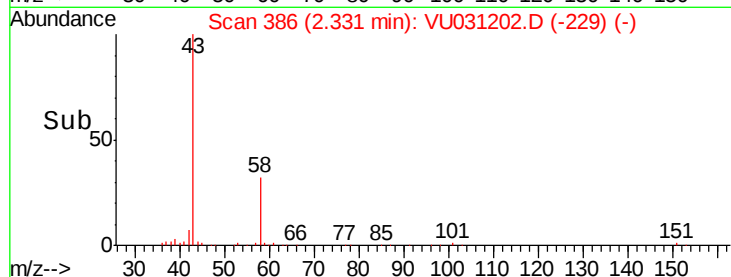
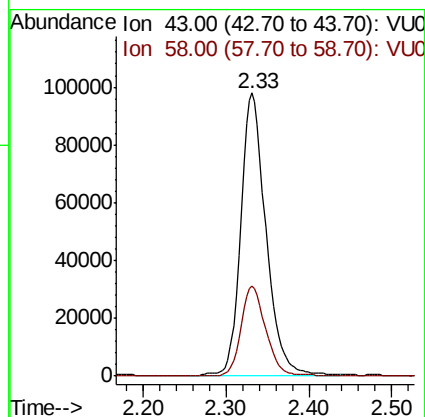
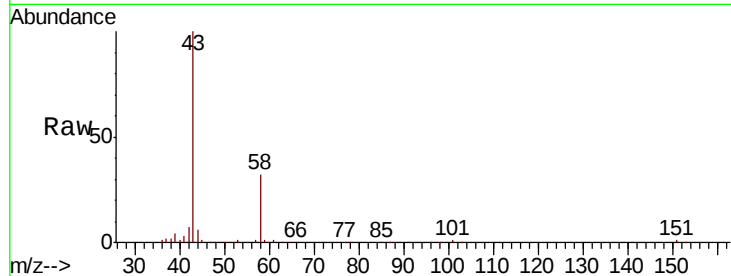
VSTDIC015

Tgt Ion: 43 Resp: 207642

Ion Ratio Lower Upper

43 100

58 31.6 24.7 37.1



#14

Carbon Disulfide

Concen: 18.782 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031202.D

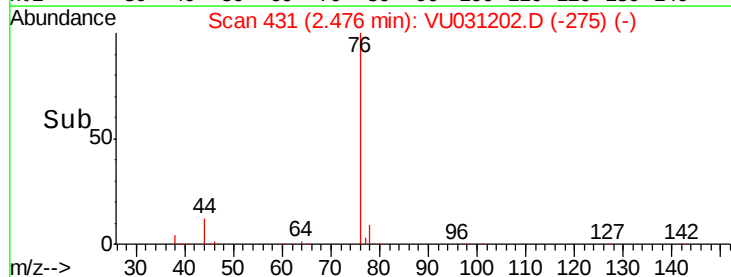
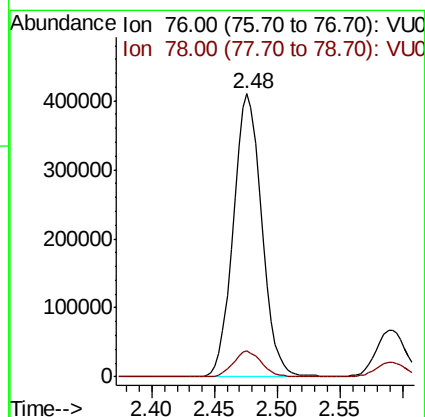
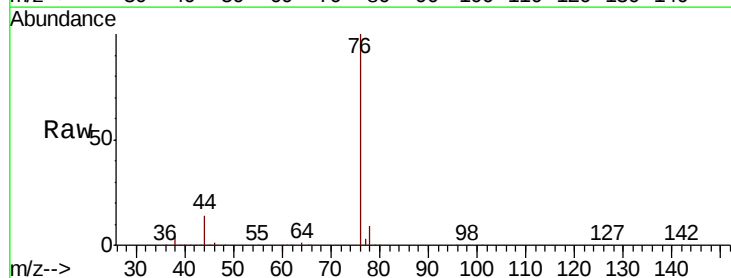
Acq: 15 Apr 2019 22:47

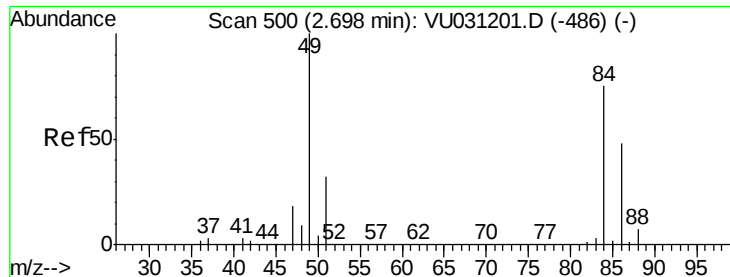
Tgt Ion: 76 Resp: 647479

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

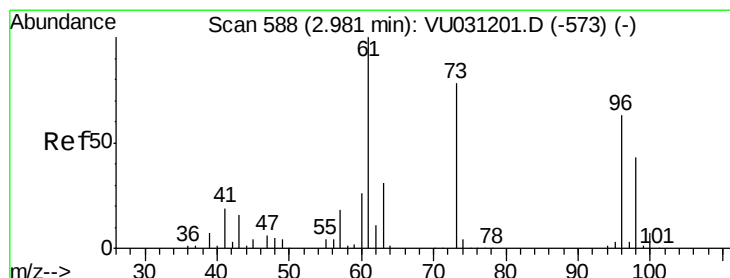
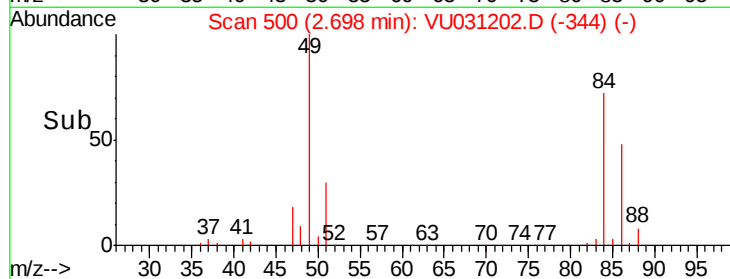
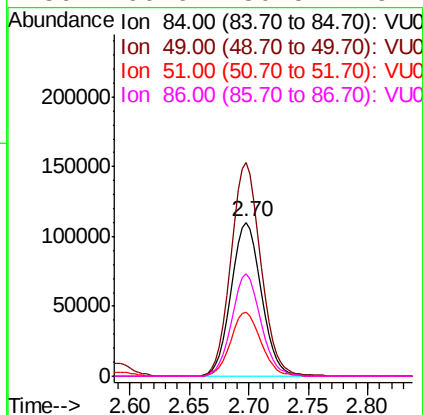
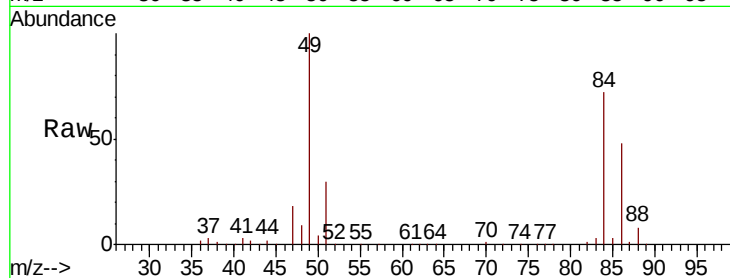




#15
Methylene Chloride
Concen: 15.248 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

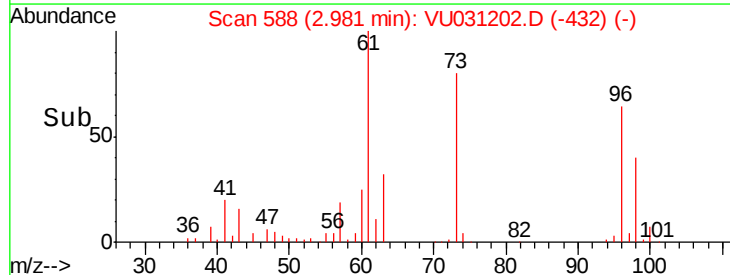
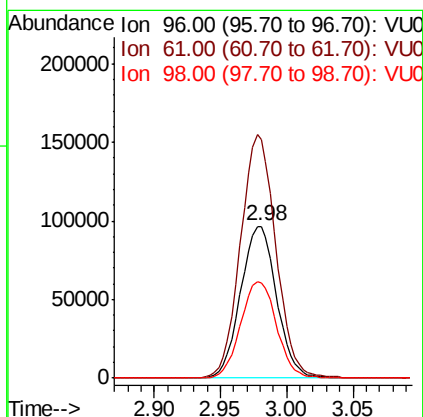
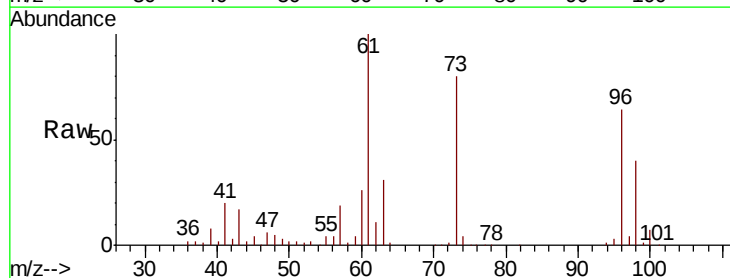
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

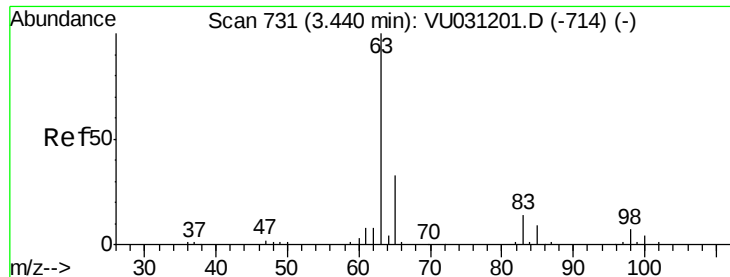
Tgt Ion:	84	Resp:	195145
Ion	Ratio	Lower	Upper
84	100		
49	138.6	106.1	159.1
51	41.4	0.0	84.2
86	66.6	50.5	75.7



#16
trans-1,2-Dichloroethene
Concen: 17.158 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion:	96	Resp:	182125
Ion	Ratio	Lower	Upper
96	100		
61	157.0	126.6	189.8
98	62.6	53.9	80.9

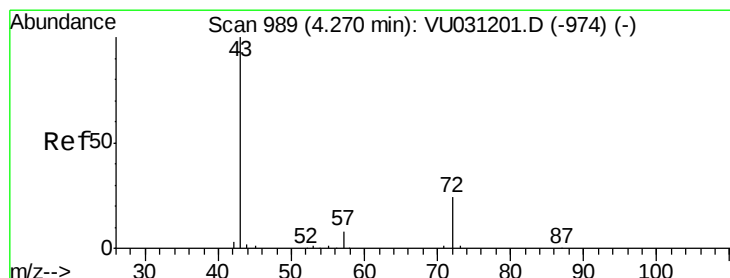
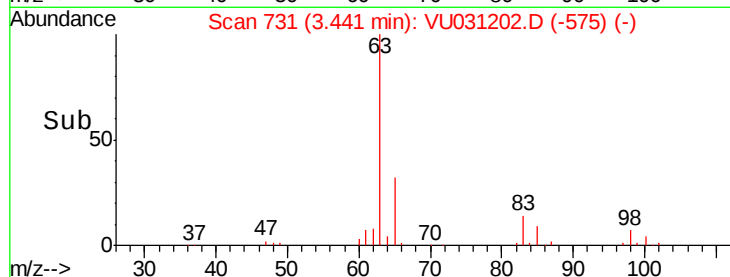
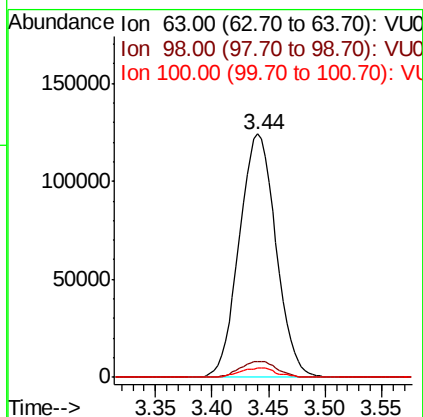
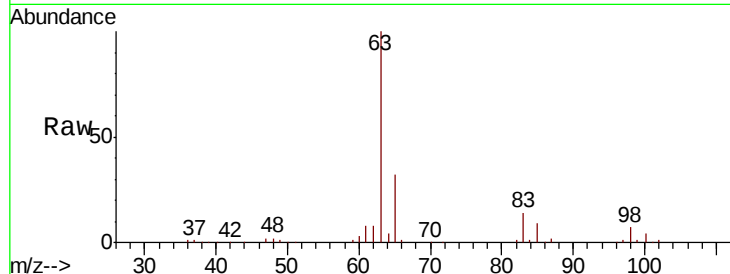




#17
 1,1-Dichloroethane
 Concen: 13.520 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

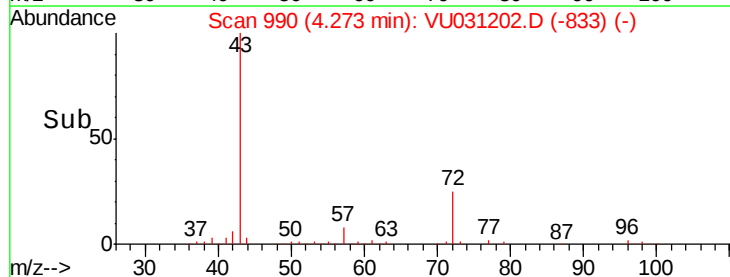
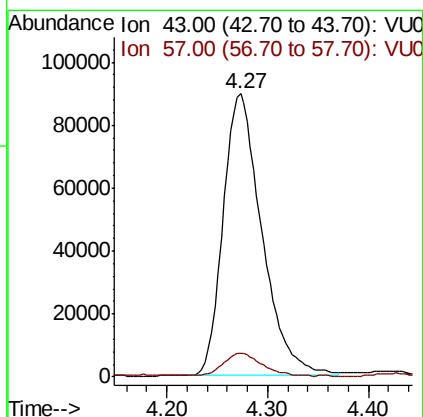
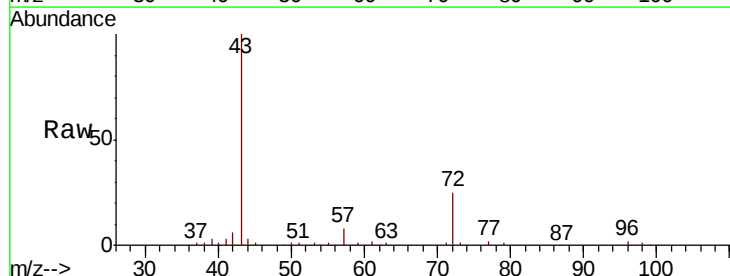
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

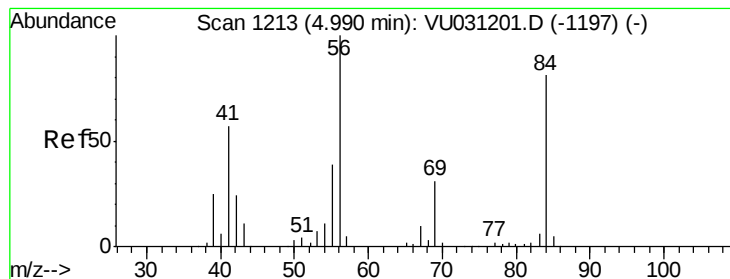
Tgt Ion: 63 Resp: 280889
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 3.6 2.0 5.8



#18
 2-Butanone
 Concen: 66.684 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 43 Resp: 237860
 Ion Ratio Lower Upper
 43 100
 57 8.1 0.0 16.2

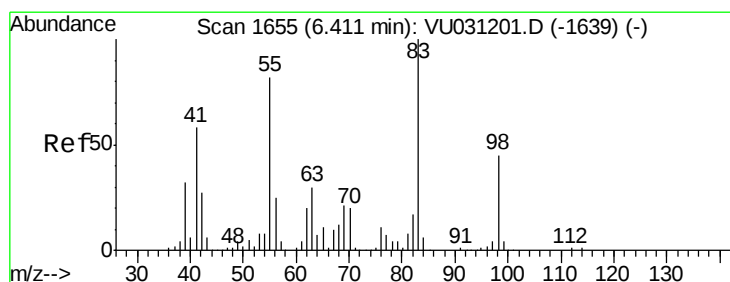
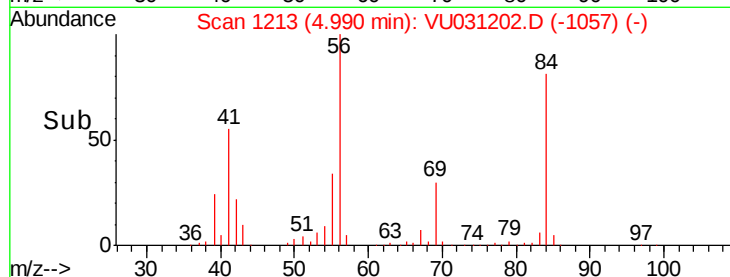
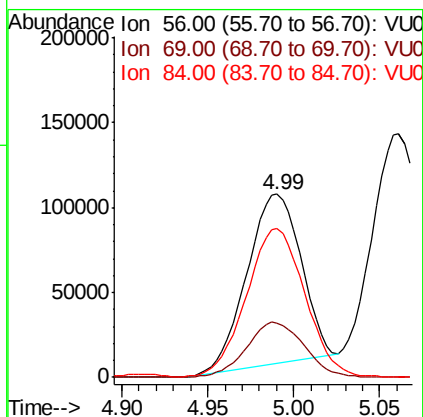
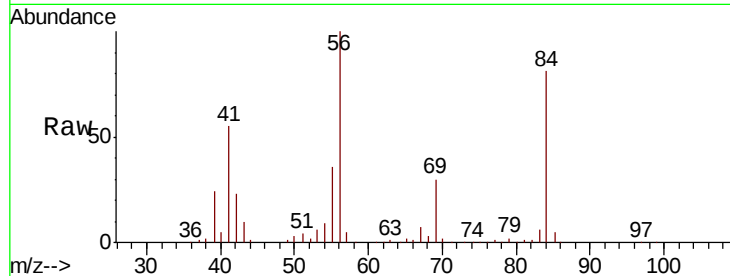




#19
Cyclohexane
Concen: 12.991 ug/l
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

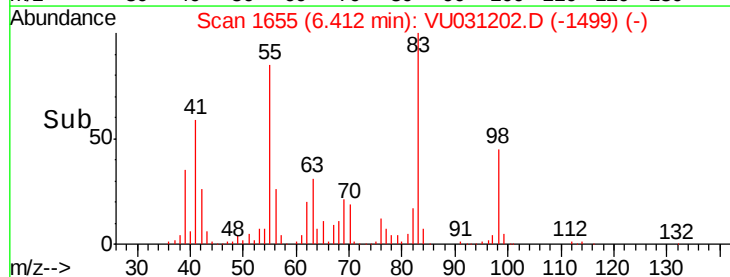
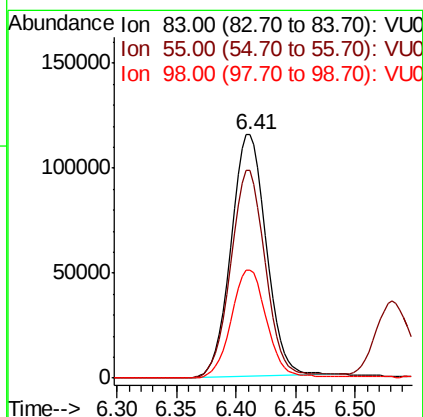
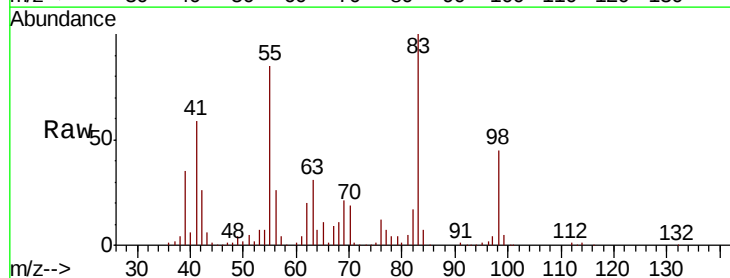
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

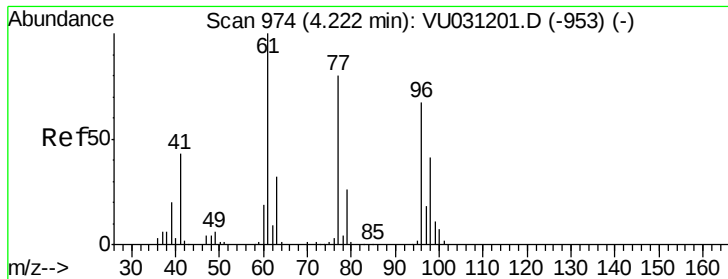
Tgt Ion: 56 Resp: 217712
Ion Ratio Lower Upper
56 100
69 34.6 28.3 42.5
84 94.3 75.2 112.8



#20
Methylcyclohexane
Concen: 16.308 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 83 Resp: 237156
Ion Ratio Lower Upper
83 100
55 82.2 68.2 102.2
98 44.1 35.8 53.8

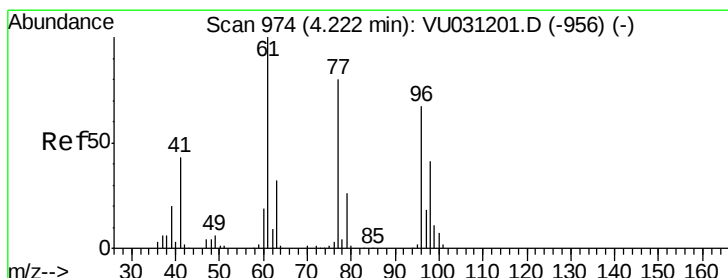
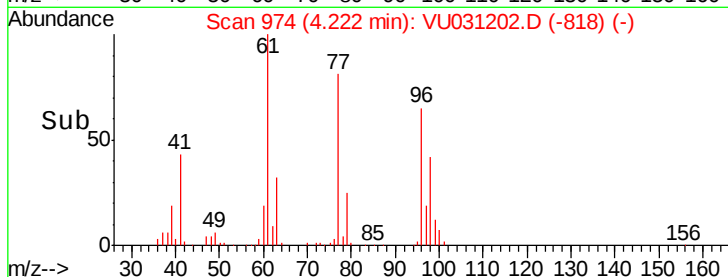
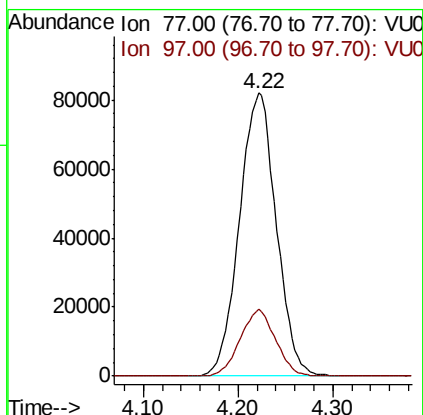
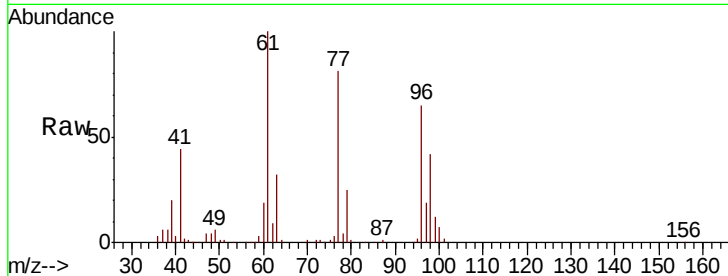




#21
 2,2-Dichloropropane
 Concen: 13.839 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

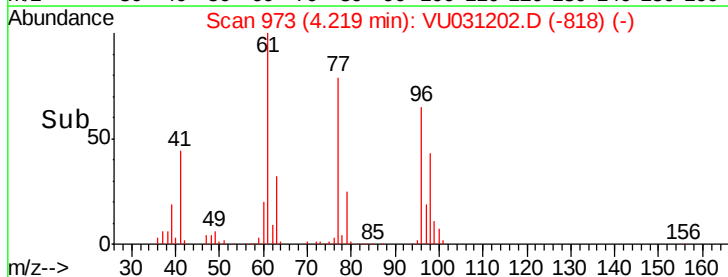
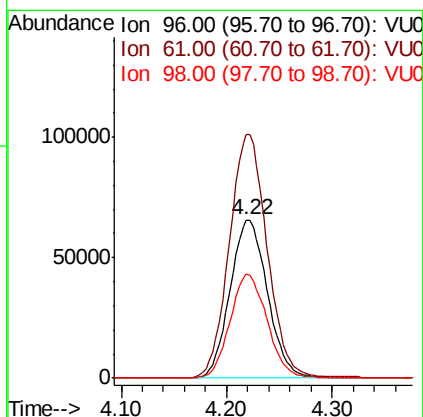
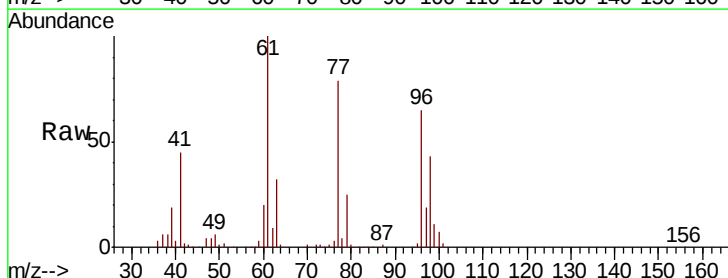
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

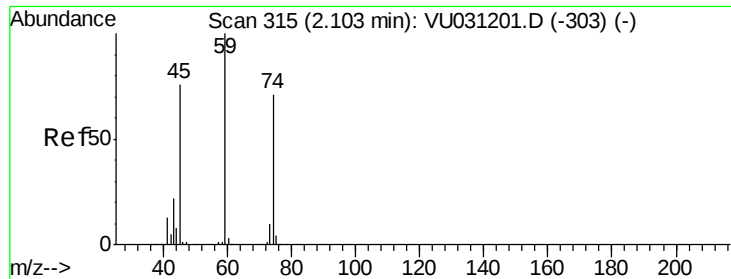
Tgt Ion: 77 Resp: 222095
 Ion Ratio Lower Upper
 77 100
 97 22.5 18.2 27.2



#22
 cis-1,2-Dichloroethene
 Concen: 15.052 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 96 Resp: 161311
 Ion Ratio Lower Upper
 96 100
 61 155.9 0.0 380.0
 98 65.2 32.3 96.9

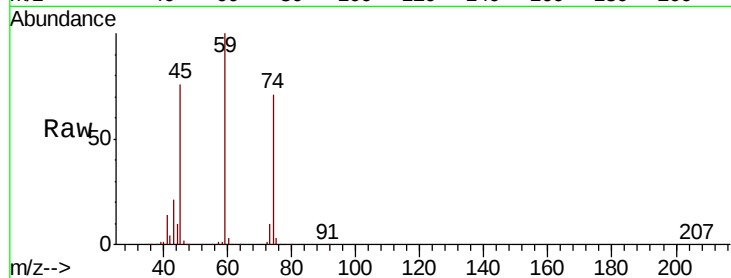




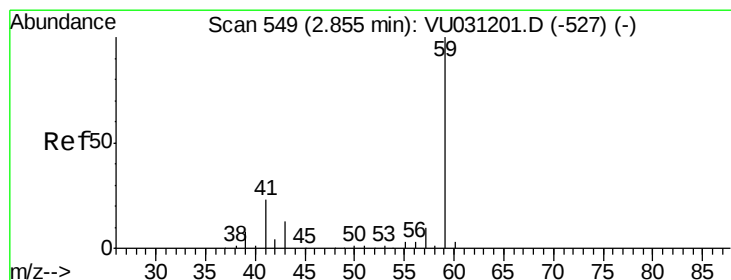
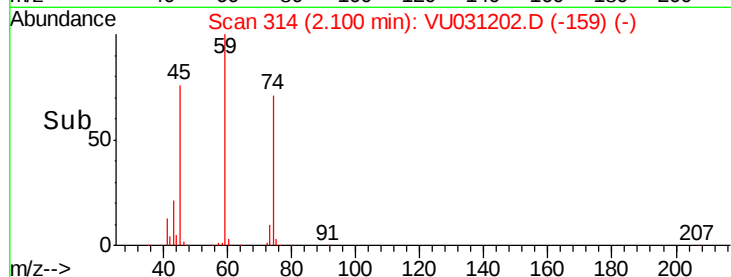
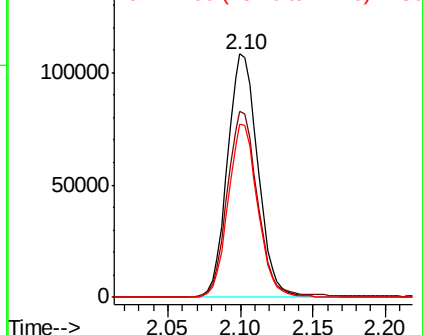
#23
Diethyl Ether
Concen: 16.752 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 158186
Ion Ratio Lower Upper
59 100
45 76.1 61.8 92.6
74 69.1 55.8 83.8

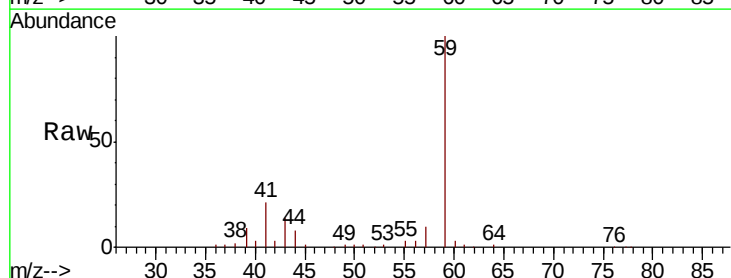


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

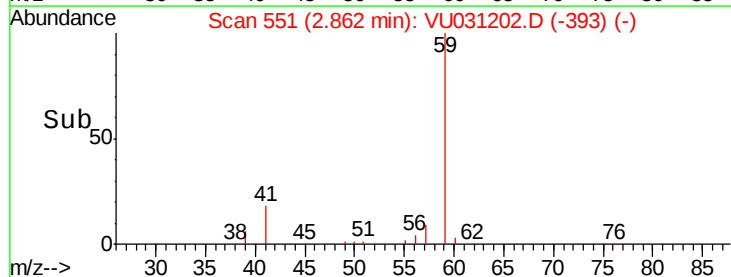
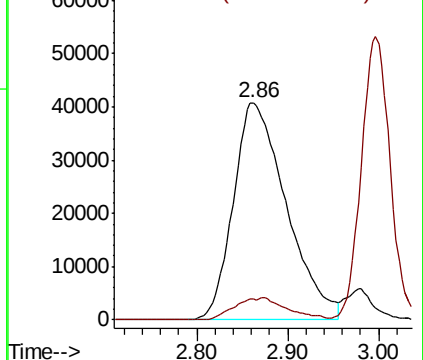


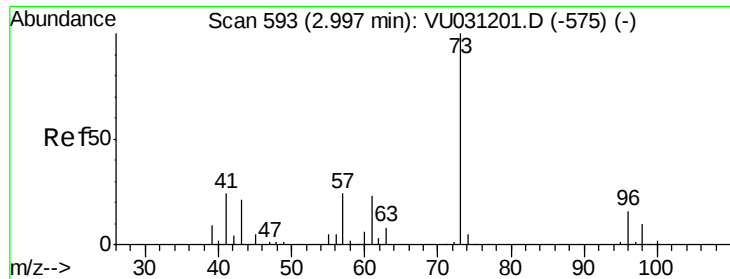
#24
tert-Butyl Alcohol
Concen: 149.769 ug/l
RT: 2.86 min Scan# 551
Delta R.T. 0.01 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 59 Resp: 165206
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6



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



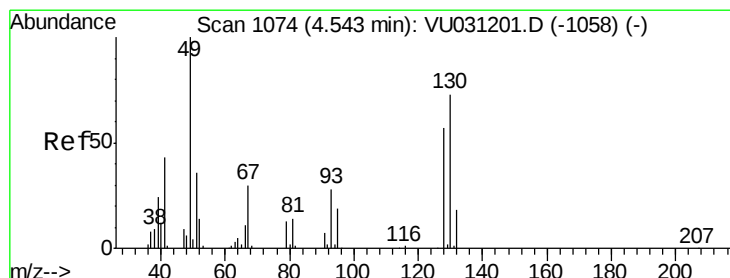
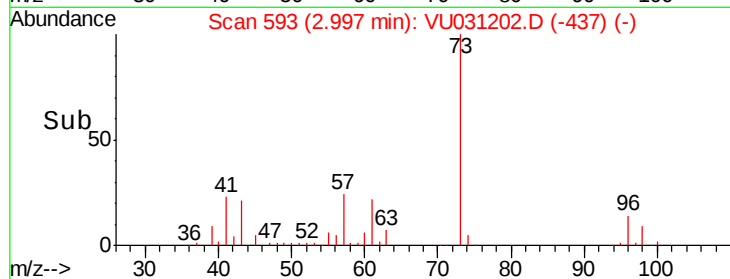
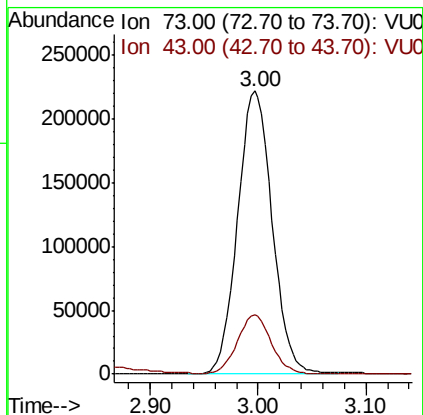
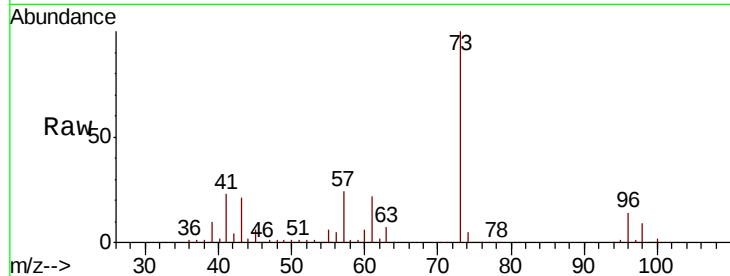


#25

Methyl tert-Butyl Ether
 Concen: 16.890 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

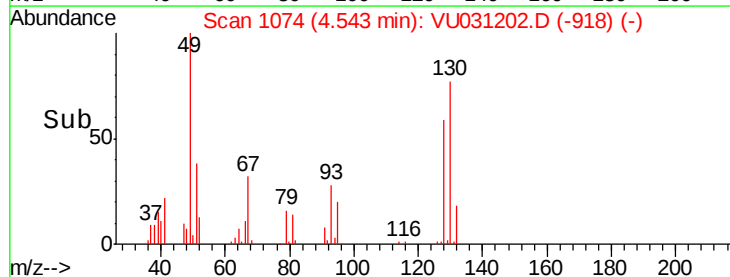
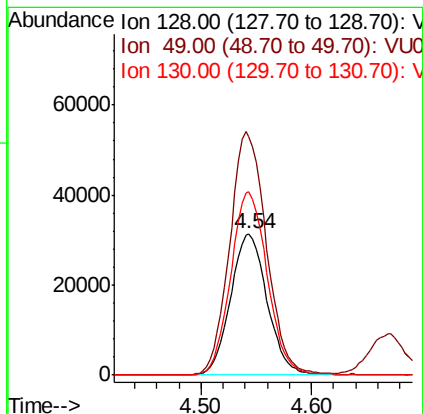
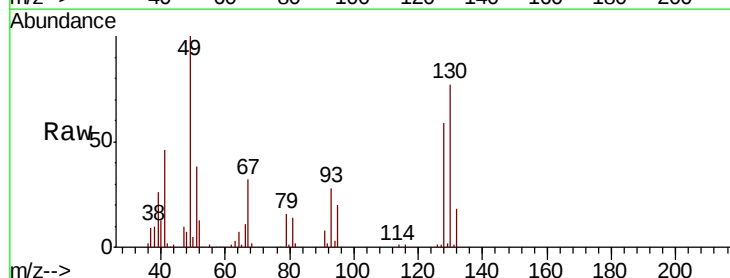
Tgt Ion: 73 Resp: 495515
 Ion Ratio Lower Upper
 73 100
 43 20.2 16.2 24.4

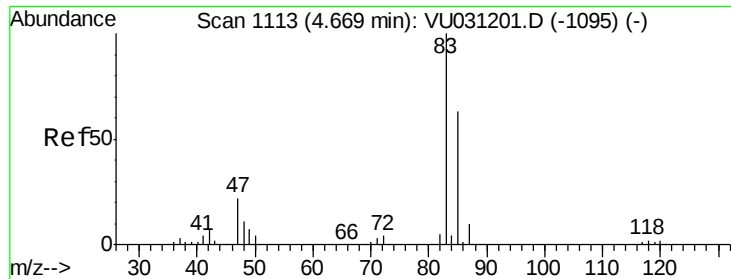


#26

Bromochloromethane
 Concen: 15.570 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 128 Resp: 72275
 Ion Ratio Lower Upper
 128 100
 49 172.4 0.0 345.8
 130 129.8 103.4 155.2

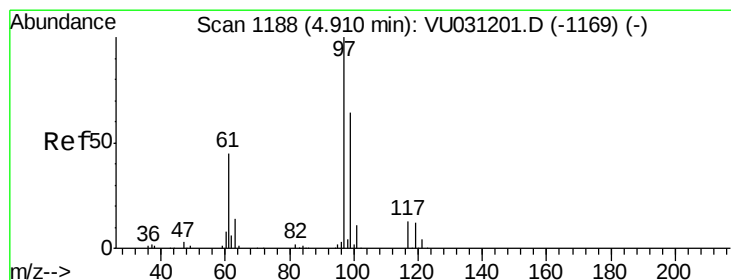
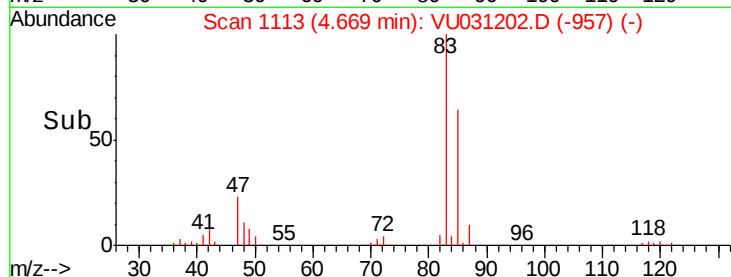
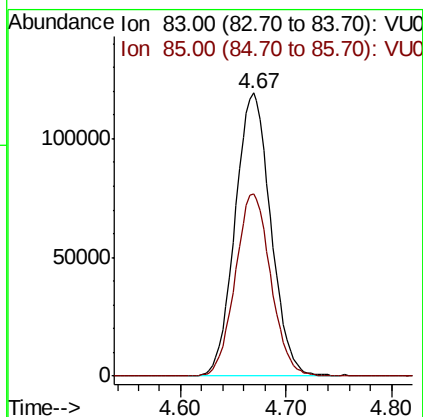
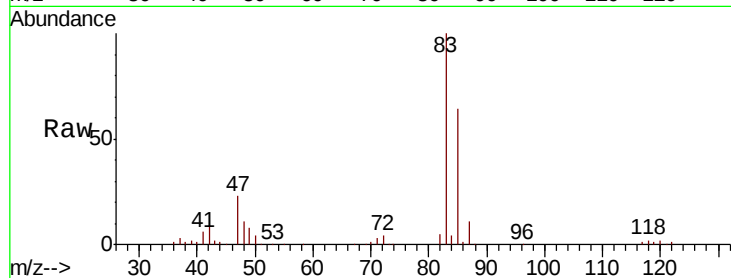




#27
Chloroform
Concen: 14.237 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

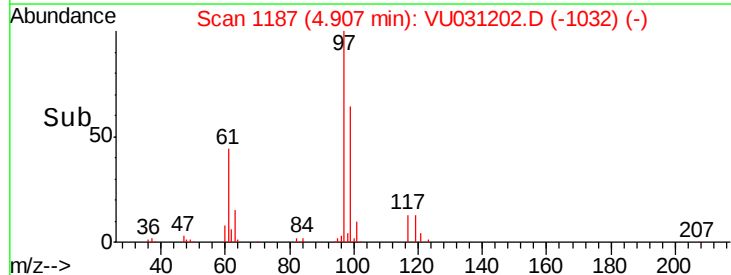
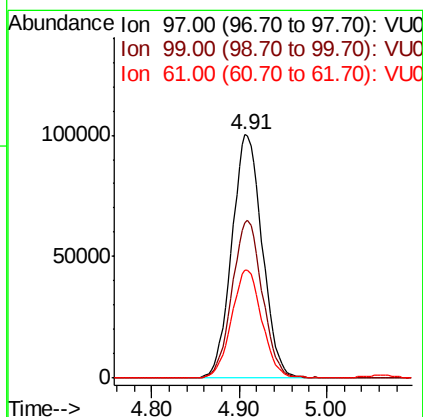
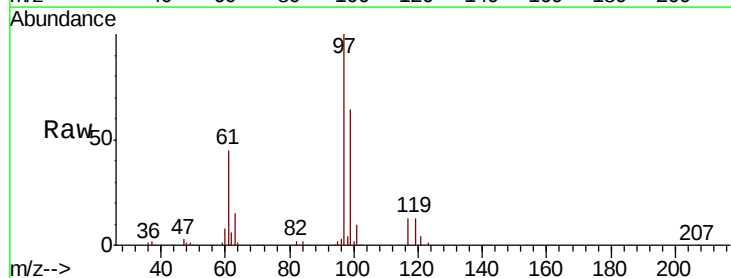
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

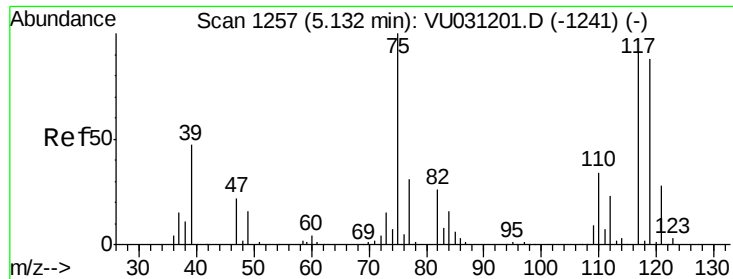
Tgt Ion: 83 Resp: 280152
Ion Ratio Lower Upper
83 100
85 64.5 0.0 126.6



#28
1,1,1-Trichloroethane
Concen: 14.964 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 97 Resp: 242428
Ion Ratio Lower Upper
97 100
99 64.2 32.0 96.0
61 44.4 22.2 66.6

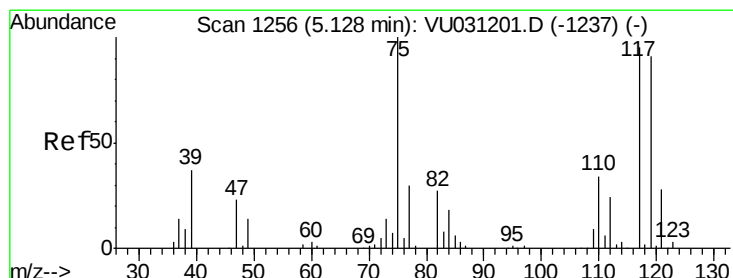
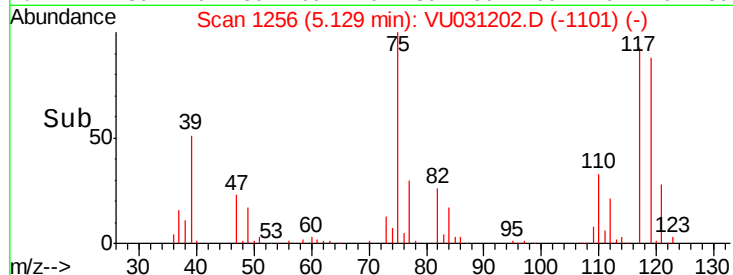
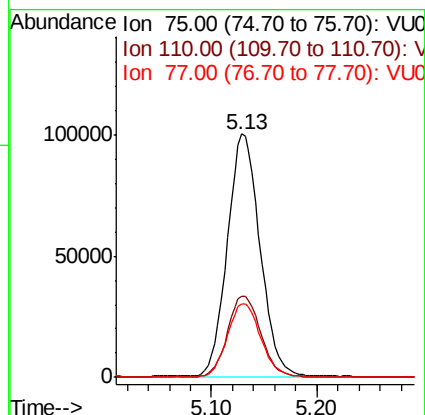
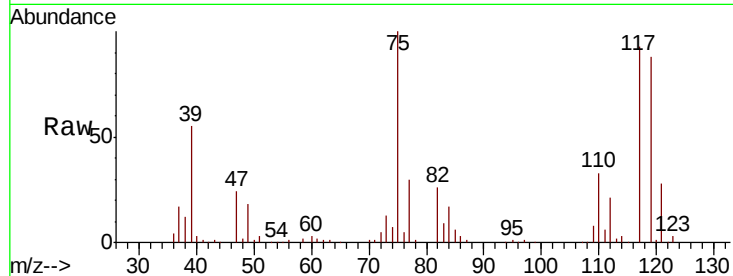




#29
1,1-Dichloropropene
Concen: 15.078 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

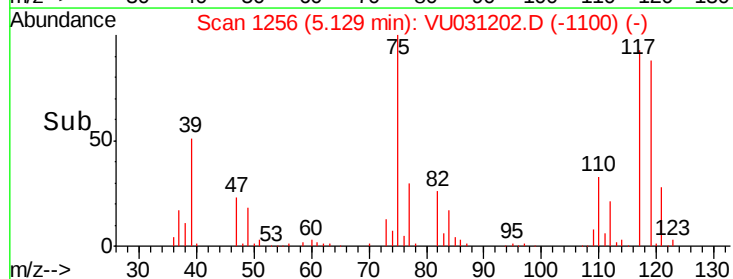
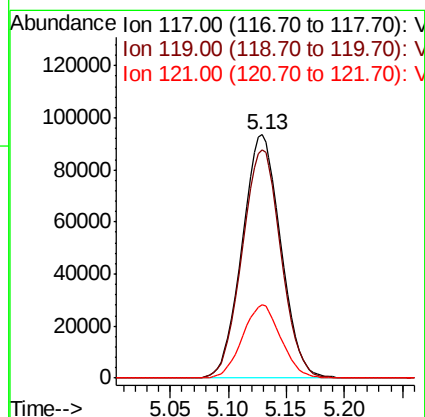
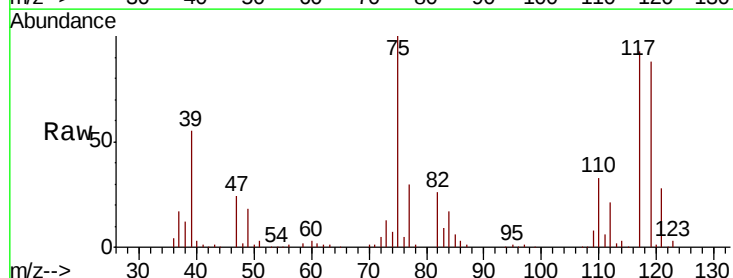
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

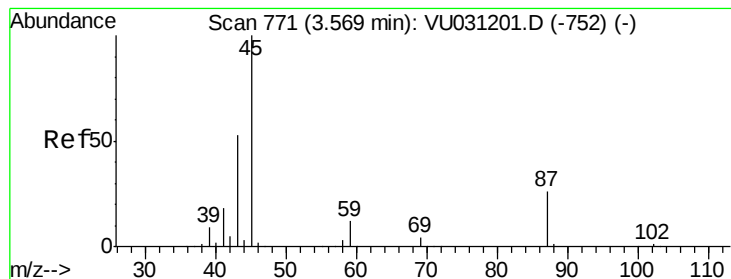
Tgt Ion: 75 Resp: 213947
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.5
77 30.7 24.9 37.3



#30
Carbon Tetrachloride
Concen: 15.294 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 117 Resp: 216374
Ion Ratio Lower Upper
117 100
119 94.0 76.2 114.4
121 30.1 23.8 35.8





#31

Isopropyl Ether

Concen: 12.921 ug/l

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

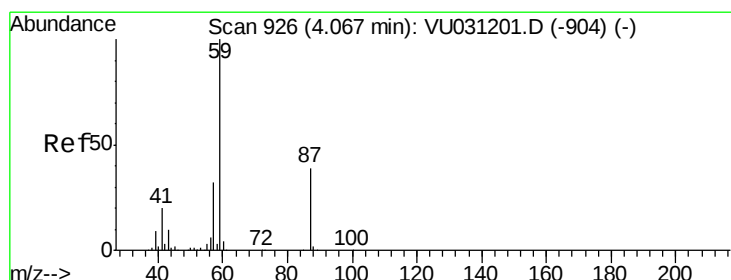
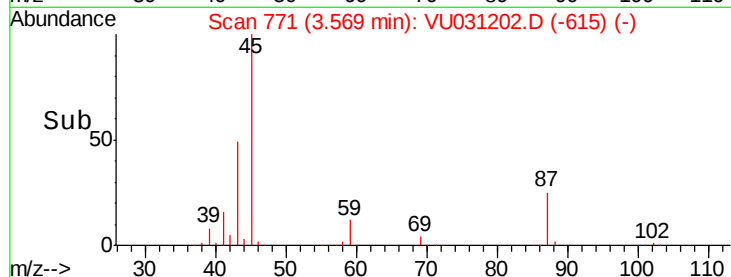
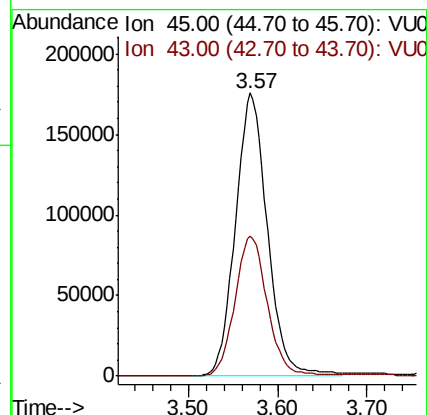
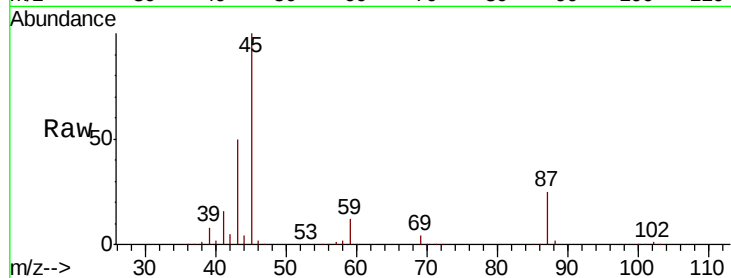
VSTDIC015

Tgt Ion: 45 Resp: 436091

Ion Ratio Lower Upper

45 100

43 50.0 26.4 79.2



#32

Ethyl-t-butyl ether

Concen: 14.396 ug/l

RT: 4.06 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU031202.D

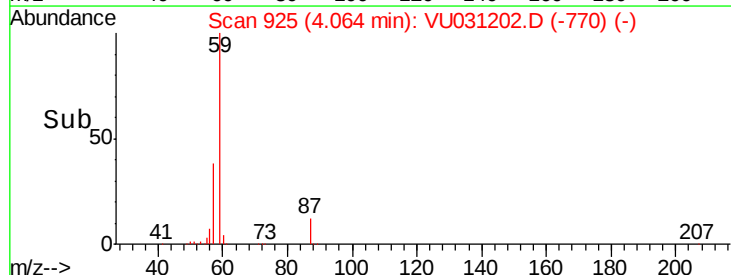
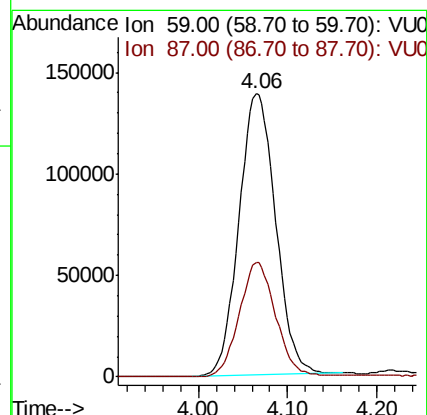
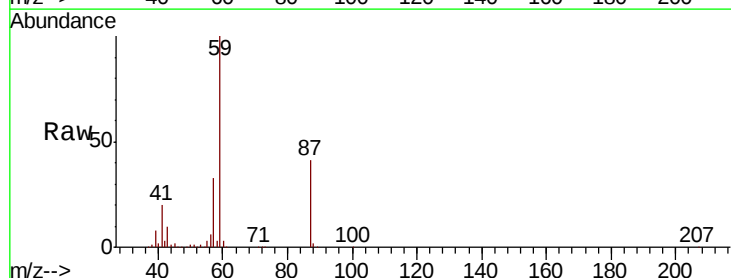
Acq: 15 Apr 2019 22:47

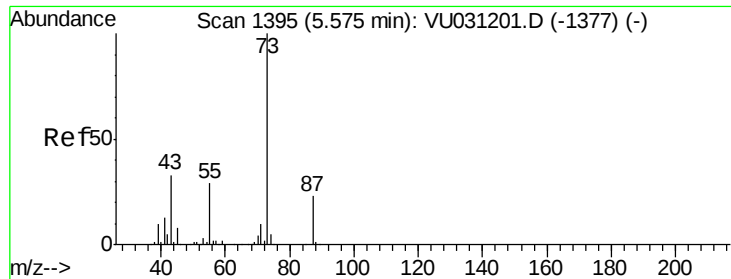
Tgt Ion: 59 Resp: 394842

Ion Ratio Lower Upper

59 100

87 40.0 32.2 48.2

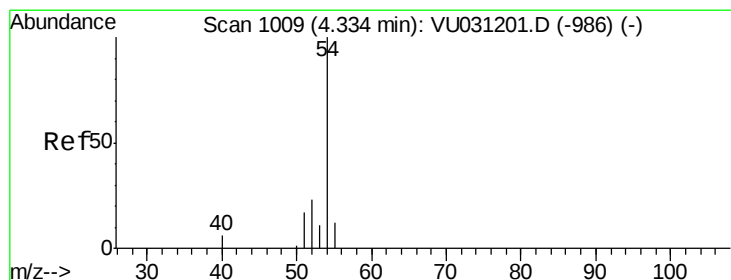
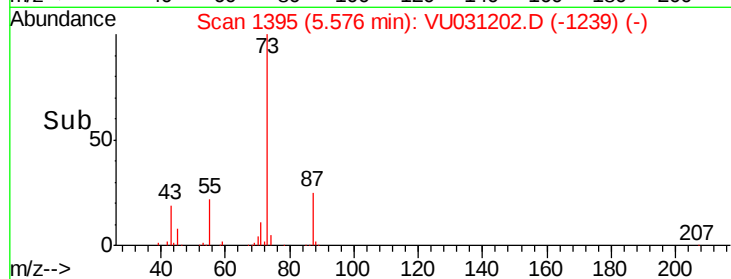
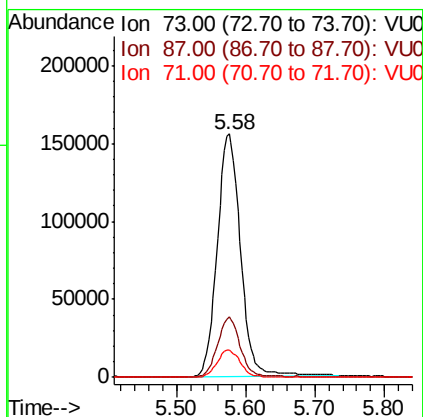
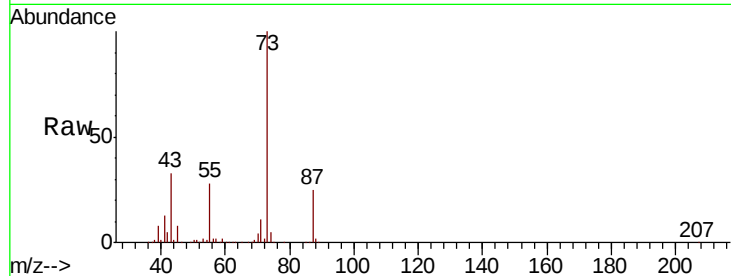




#33
Tert-Amyl methyl ether
Concen: 15.708 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

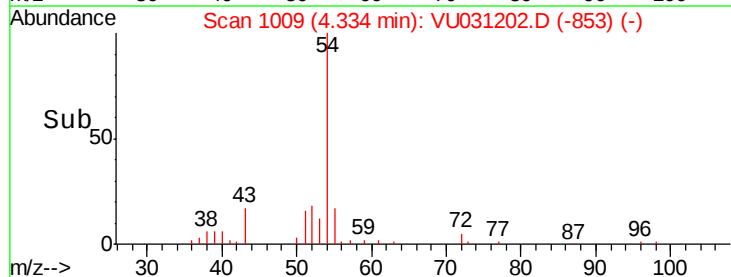
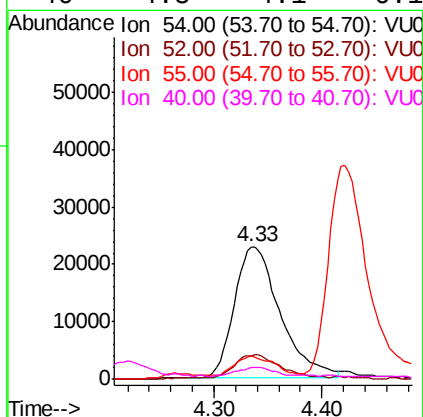
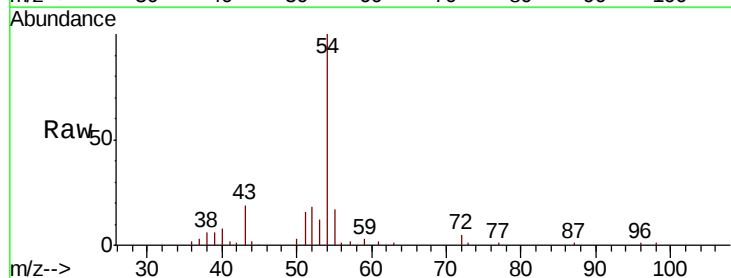
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

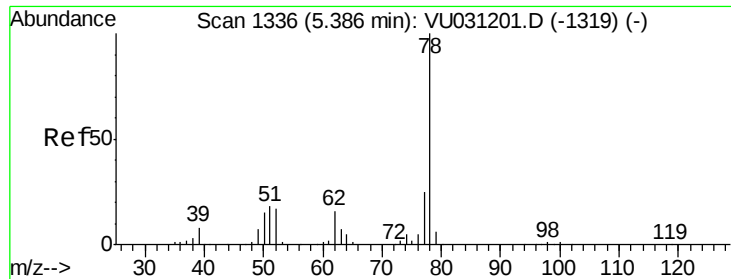
Tgt Ion: 73 Resp: 362312
Ion Ratio Lower Upper
73 100
87 23.4 18.4 27.6
71 11.0 8.8 13.2



#34
Propionitrile
Concen: 76.584 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 54 Resp: 67899
Ion Ratio Lower Upper
54 100
52 19.1 15.9 23.9
55 13.9 8.9 13.3#
40 4.5 4.1 6.1





#35

Benzene

Concen: 14.611 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

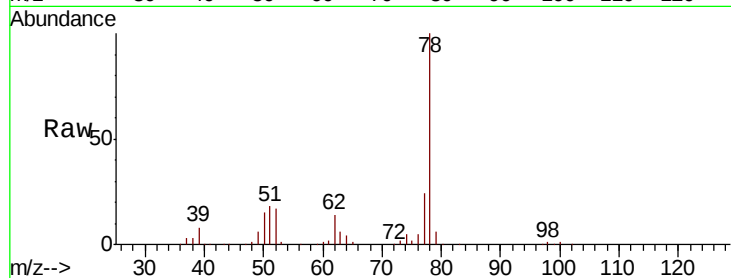
VSTDIC015

Tgt Ion: 78 Resp: 615457

Ion Ratio Lower Upper

78 100

77 24.3 19.6 29.4



Abundance Ion 78.10 (77.80 to 78.80): VU031201.D (-1319) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-1319) (-)

5.38

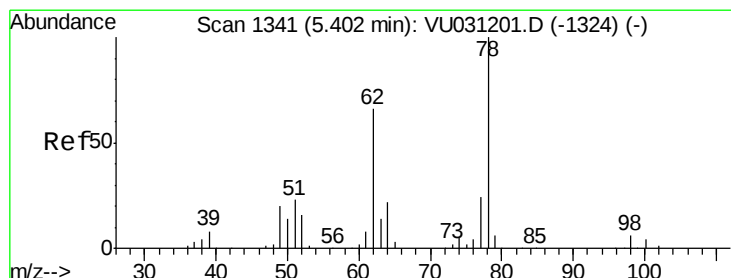
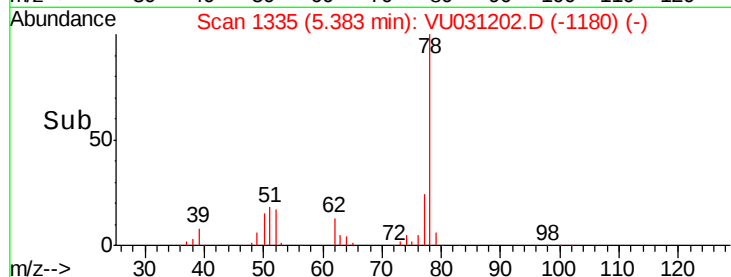
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 14.317 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU031202.D

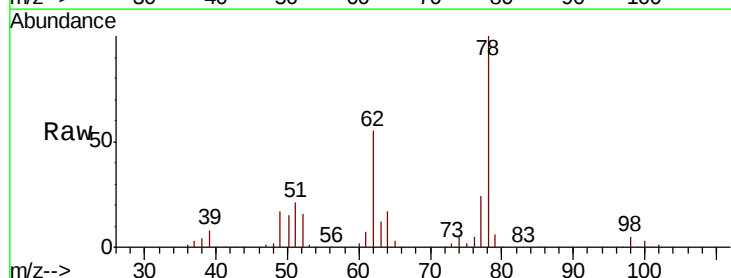
Acq: 15 Apr 2019 22:47

Tgt Ion: 62 Resp: 191831

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031201.D (-1324) (-)

Ion 98.00 (97.70 to 98.70): VU031201.D (-1324) (-)

5.40

100000

80000

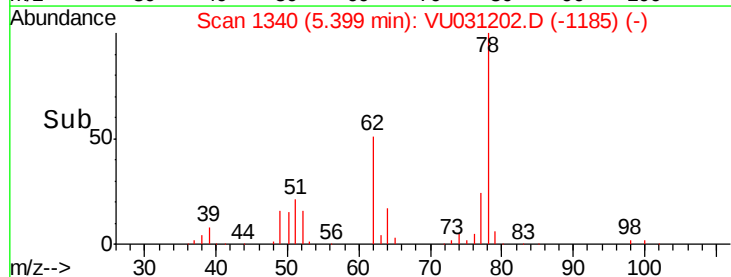
60000

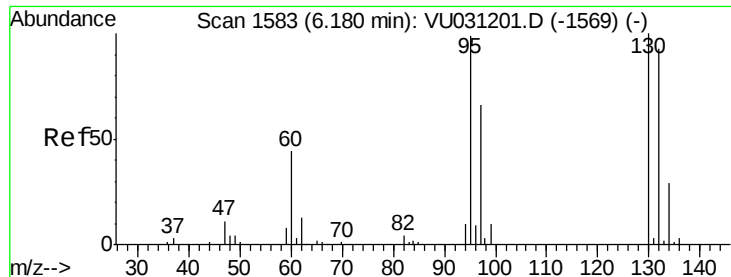
40000

20000

0

Time-->

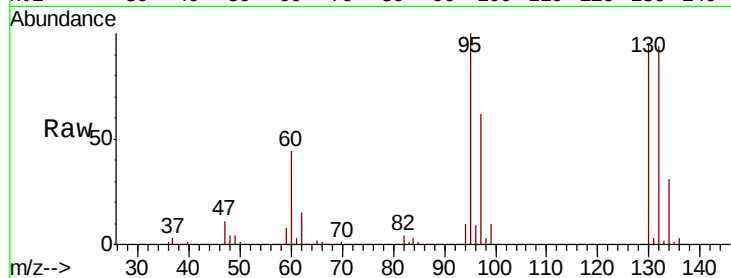




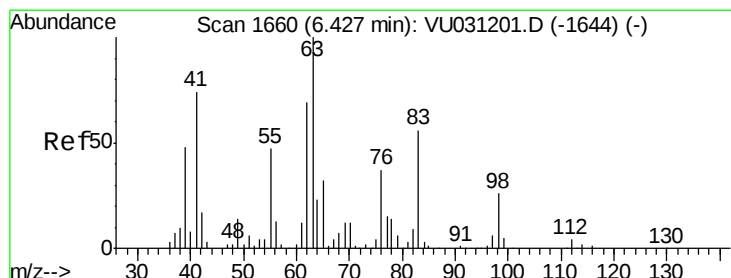
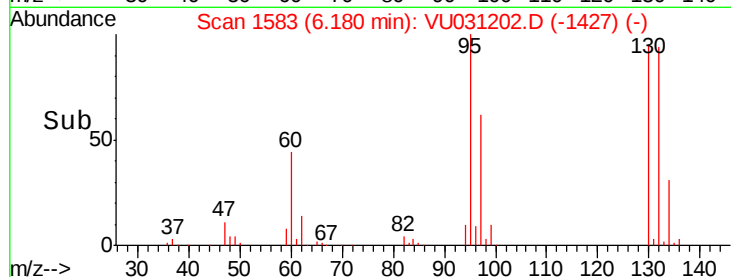
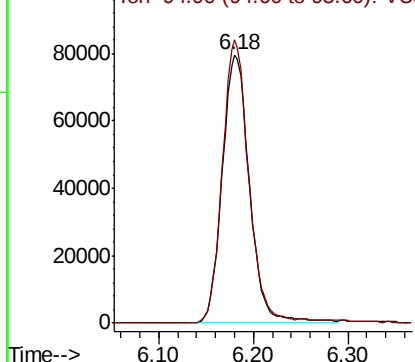
#37
 Trichloroethene
 Concen: 15.627 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 130 Resp: 160211
 Ion Ratio Lower Upper
 130 100
 95 105.6 79.3 118.9

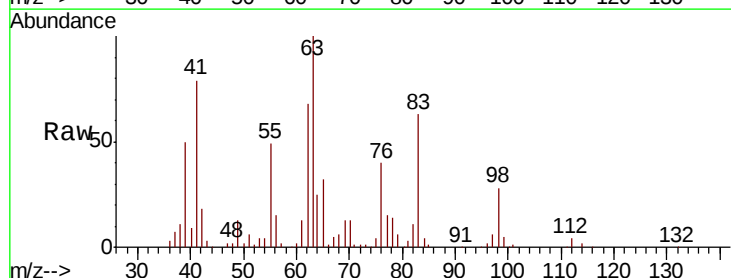


Abundance Ion 129.90 (129.60 to 130.60): VU031201.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU031201.D (-1569) (-)

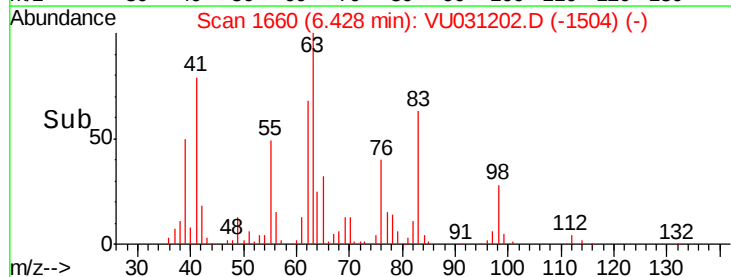
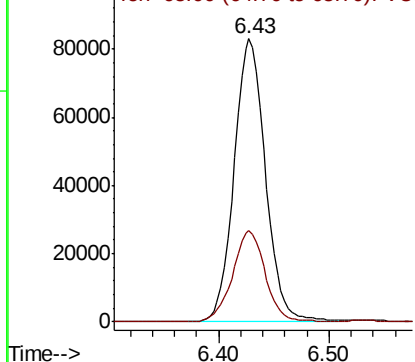


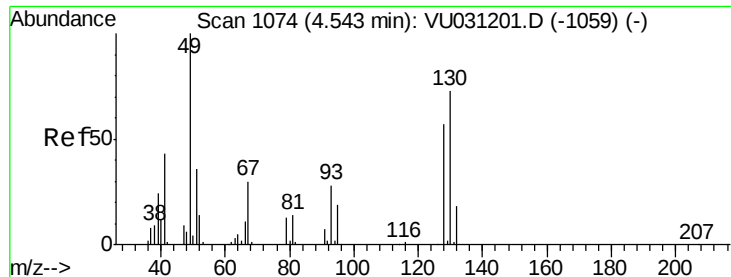
#38
 1,2-Dichloropropane
 Concen: 13.618 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 63 Resp: 163587
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU031201.D (-1644) (-)
 Ion 65.00 (64.70 to 65.70): VU031201.D (-1644) (-)

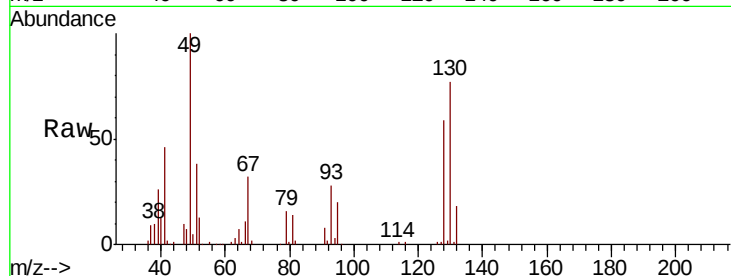




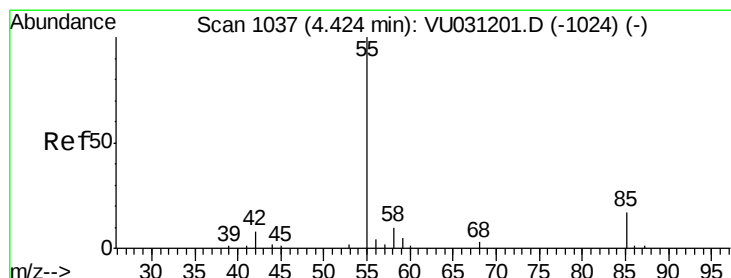
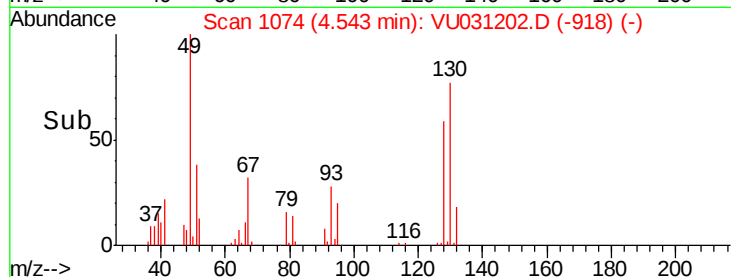
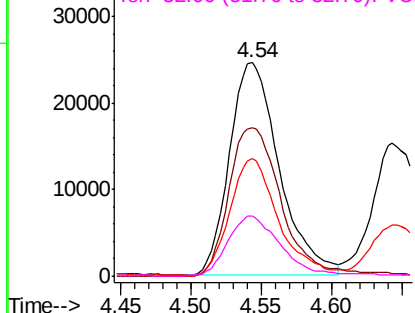
#39
Methacrylonitrile
Concen: 13.847 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:	41	Resp:	60708
Ion	Ratio	Lower	Upper
41	100		
67	73.4	59.7	89.5
39	53.8	42.2	63.2
52	29.8	24.4	36.6

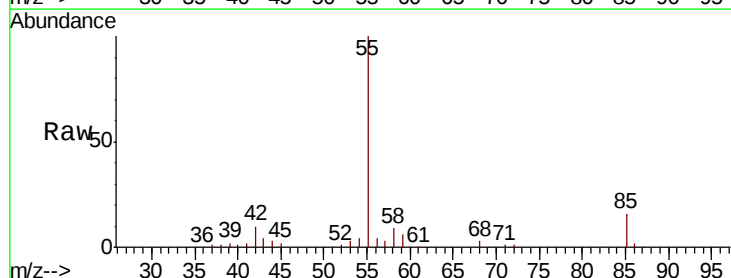


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

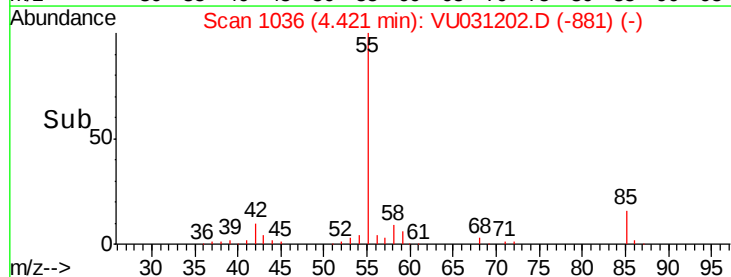
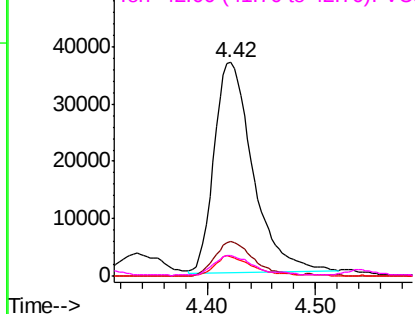


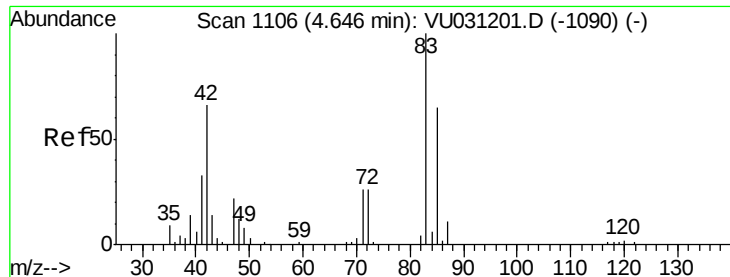
#40
Methyl acrylate
Concen: 17.005 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion:	55	Resp:	91617
Ion	Ratio	Lower	Upper
55	100		
85	16.3	12.2	18.2
58	9.6	7.0	10.6
42	9.5	6.9	10.3



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 27.190 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

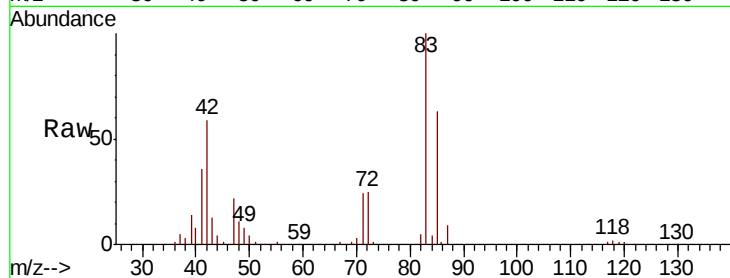
Tgt Ion: 42 Resp: 64151

Ion Ratio Lower Upper

42 100

72 42.6 34.4 51.6

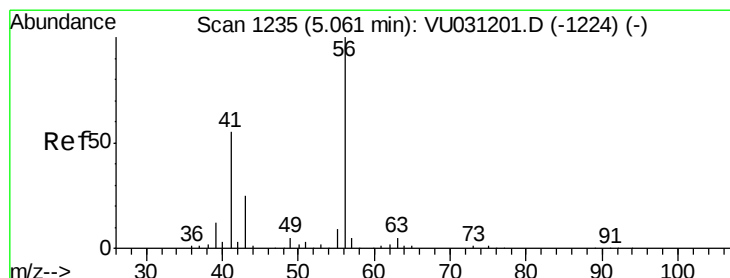
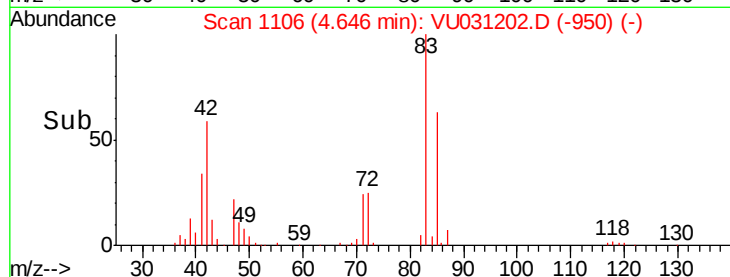
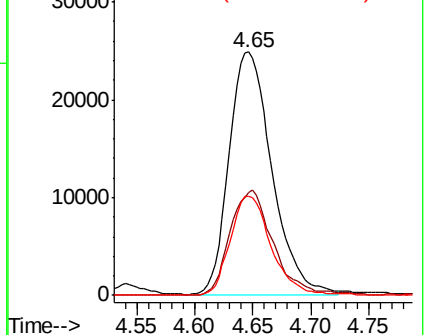
71 38.8 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 14.369 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU031202.D

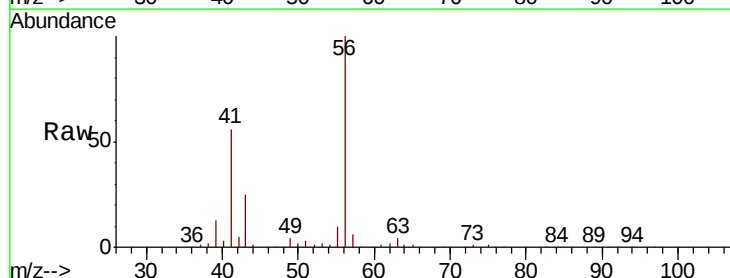
Acq: 15 Apr 2019 22:47

Tgt Ion: 56 Resp: 309705

Ion Ratio Lower Upper

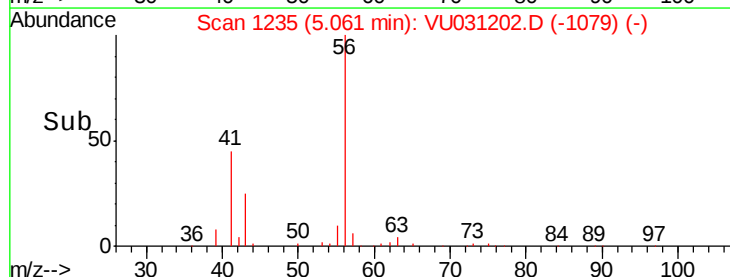
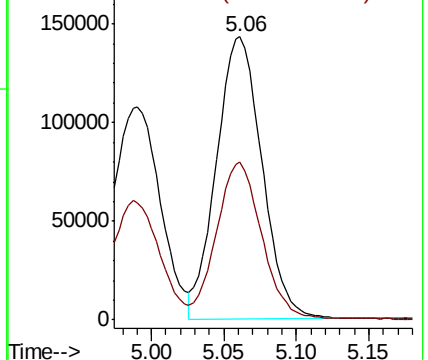
56 100

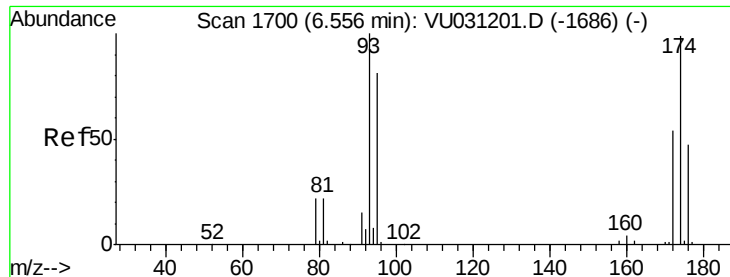
41 55.5 27.3 81.9



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 15.367 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

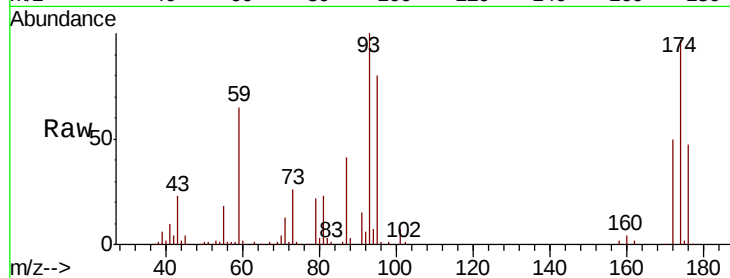
Tgt Ion: 93 Resp: 86594

Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.0

174 98.2 79.1 118.7

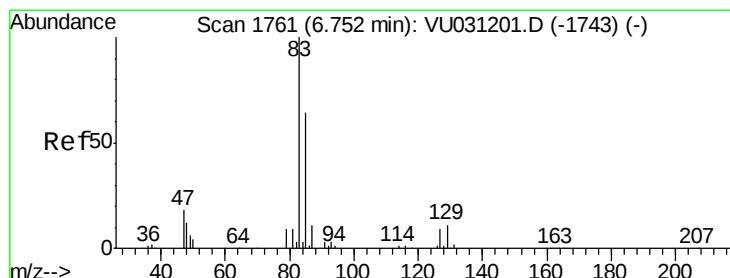
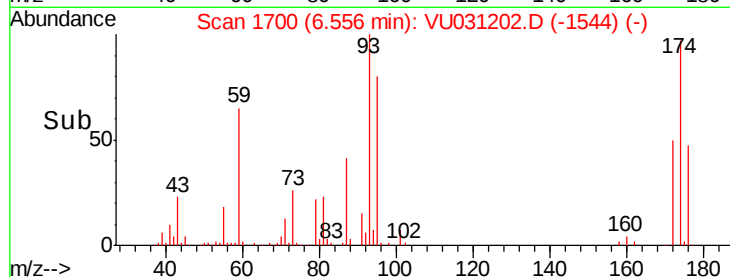
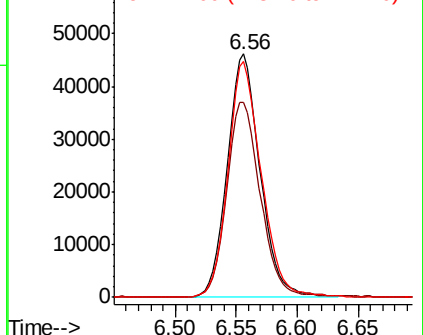


Abundance

Ion 93.00 (92.70 to 93.70): VU031202.D (-1686) (-)

Ion 95.00 (94.70 to 95.70): VU031202.D (-1686) (-)

Ion 174.00 (173.70 to 174.70): VU031202.D (-1686) (-)



#44

Bromodichloromethane

Concen: 14.261 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

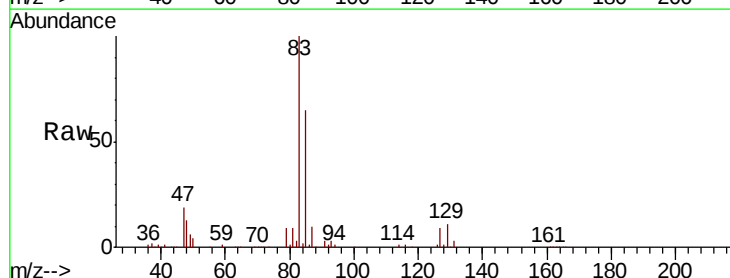
Tgt Ion: 83 Resp: 209907

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

127 8.6 7.4 11.0

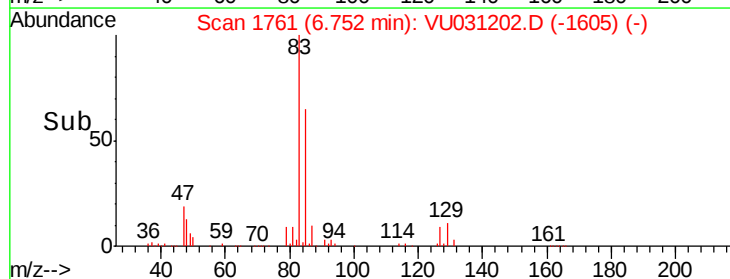
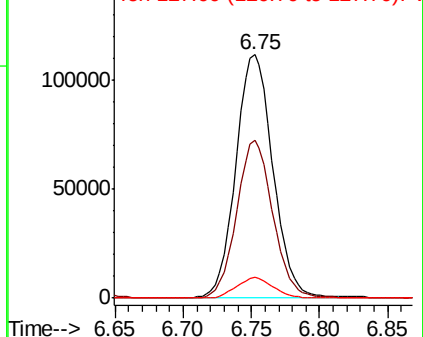


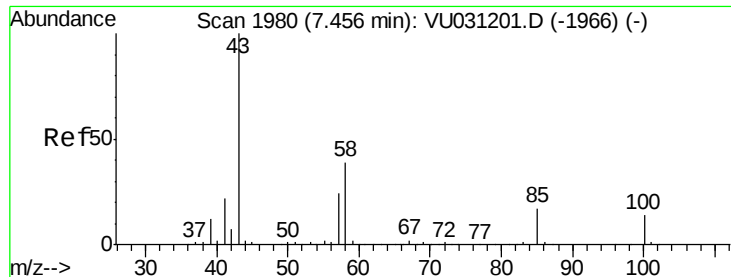
Abundance

Ion 83.00 (82.70 to 83.70): VU031202.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VU031202.D (-1605) (-)

Ion 127.00 (126.70 to 127.70): VU031202.D (-1605) (-)

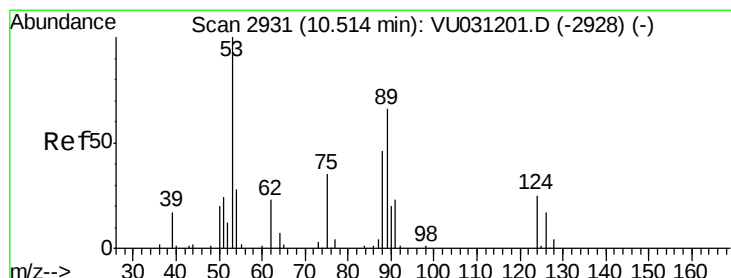
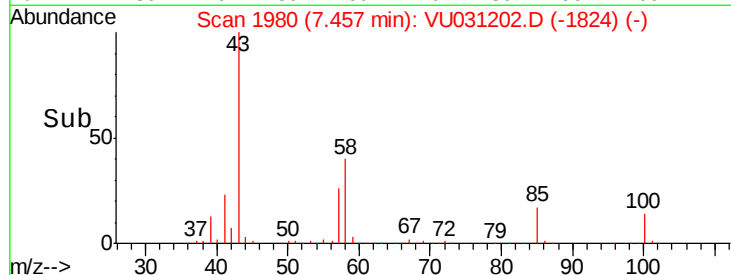
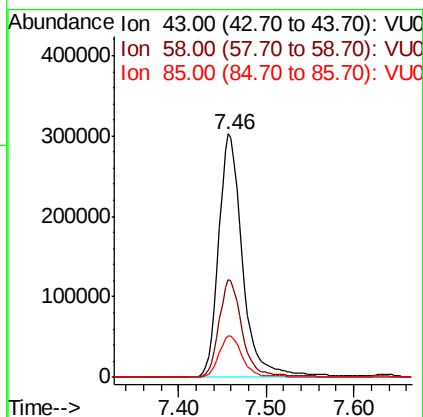
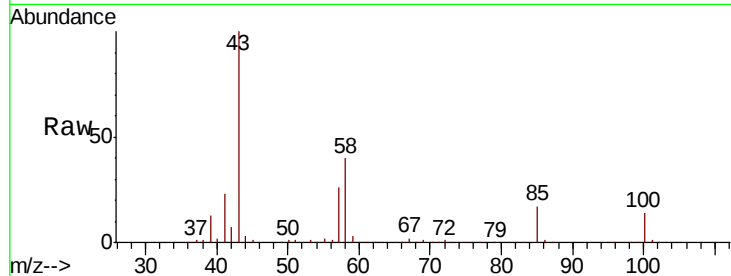




#45
 4-Methyl-2-Pentanone
 Concen: 71.899 ug/l
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

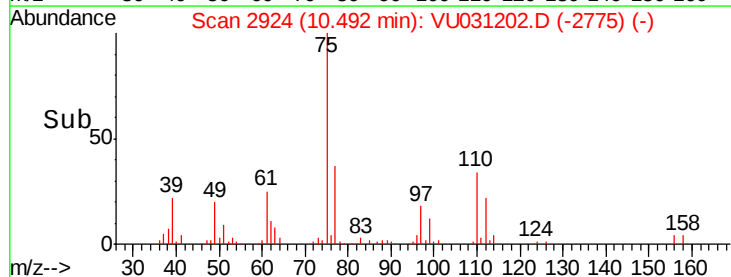
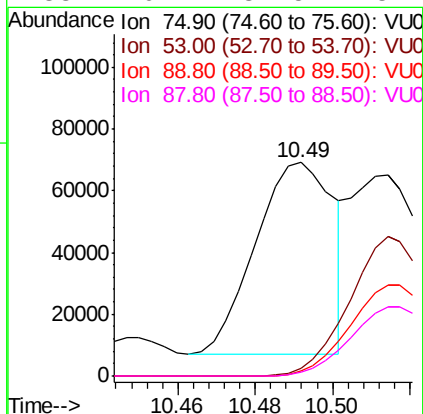
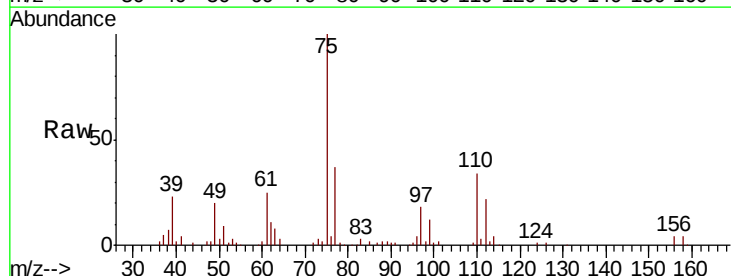
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

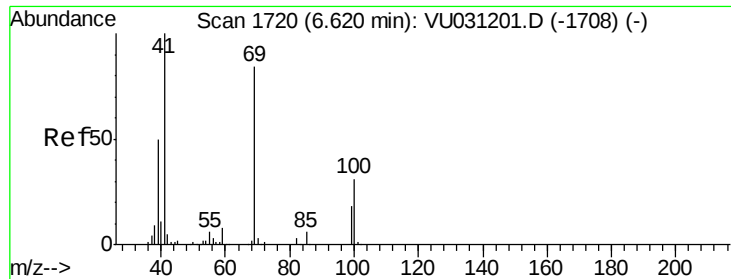
Tgt Ion: 43 Resp: 576267
 Ion Ratio Lower Upper
 43 100
 58 39.0 19.4 58.2
 85 16.5 13.2 19.8



#46
 t-1,4-Dichloro-2-butene
 Concen: 31.647 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 75 Resp: 87320
 Ion Ratio Lower Upper
 75 100
 53 77.8 65.2 97.8
 89 53.0 43.0 64.4
 88 40.4 32.5 48.7

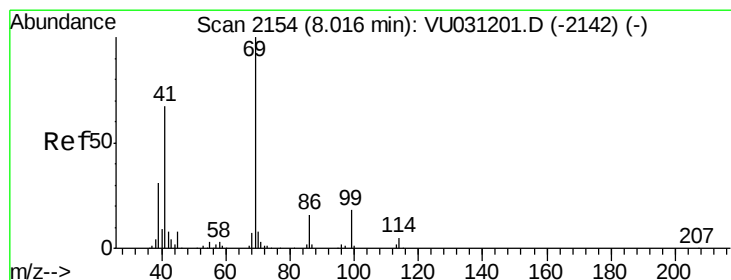
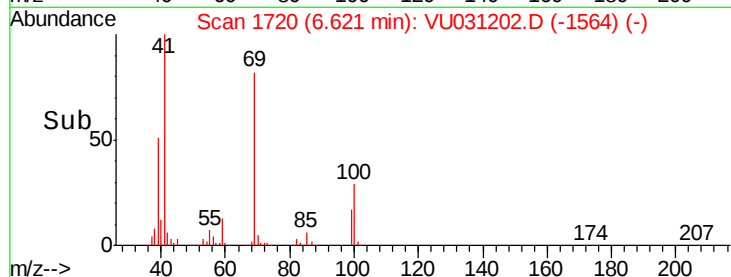
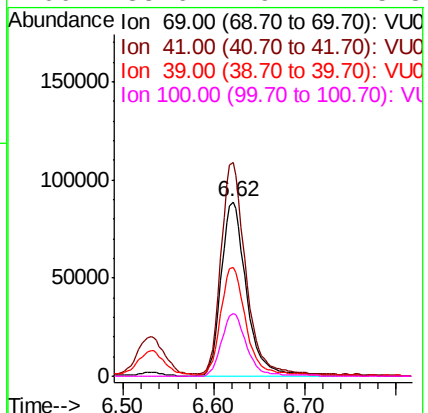
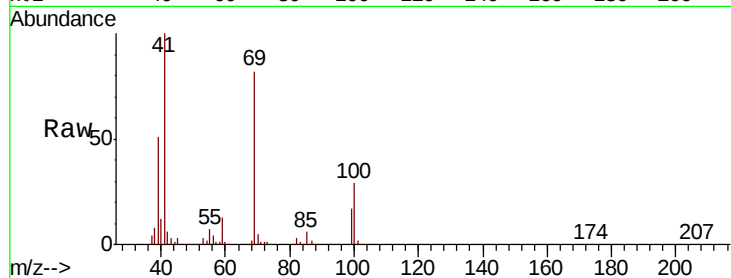




#47
Methyl methacrylate
Concen: 33.337 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

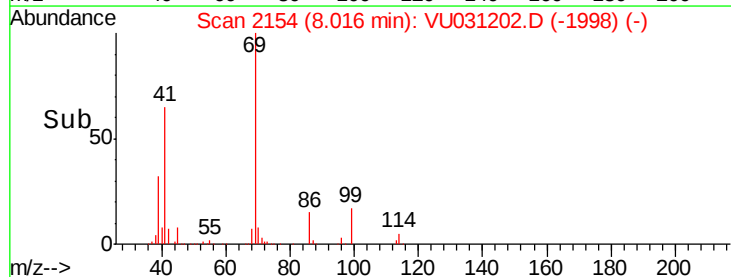
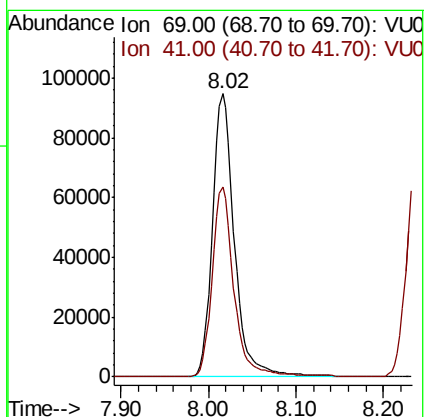
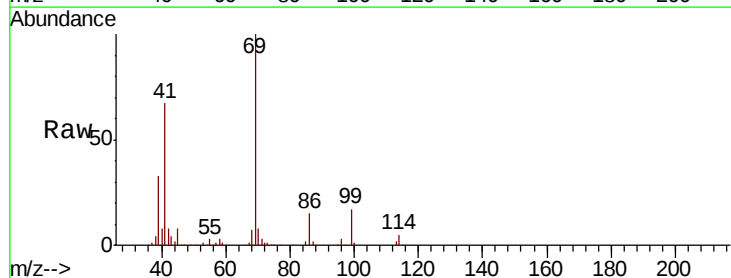
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

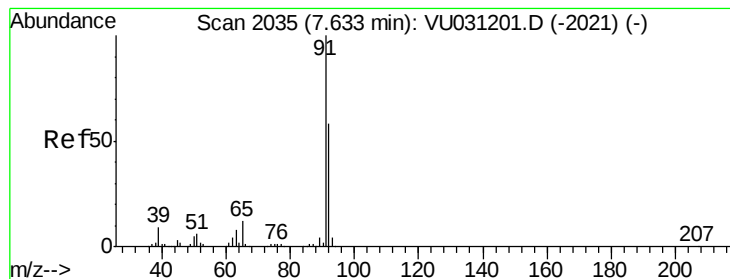
Tgt Ion: 69 Resp: 171241
Ion Ratio Lower Upper
69 100
41 118.5 0.0 237.2
39 61.3 47.4 71.2
100 35.6 29.2 43.8



#48
Ethyl methacrylate
Concen: 17.169 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 69 Resp: 165191
Ion Ratio Lower Upper
69 100
41 66.4 32.5 97.5





#49

Toluene

Concen: 16.007 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

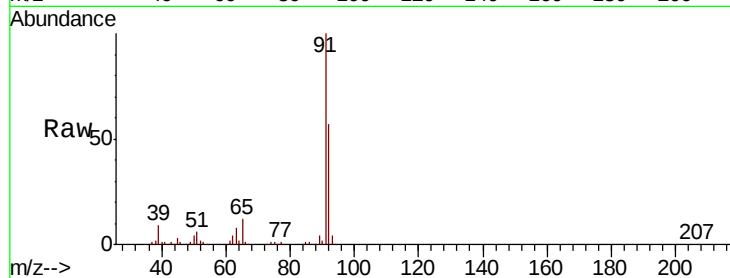
VSTDIC015

Tgt Ion: 92 Resp: 367922

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU031202.D (-1879) (-)

Ion 91.00 (90.70 to 91.70): VU031202.D (-1879) (-)

400000

300000

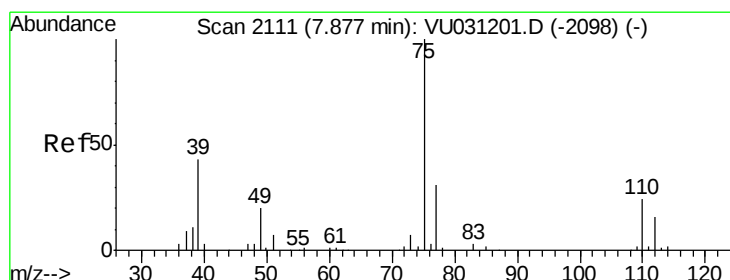
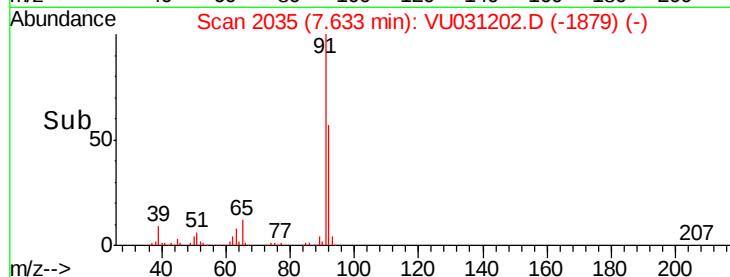
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 15.786 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031202.D

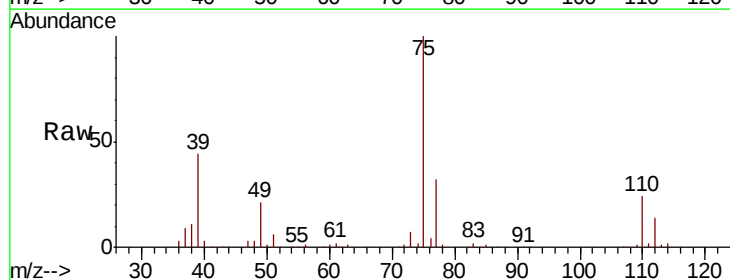
Acq: 15 Apr 2019 22:47

Tgt Ion: 75 Resp: 199207

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU031202.D (-1955) (-)

Ion 77.00 (76.70 to 77.70): VU031202.D (-1955) (-)

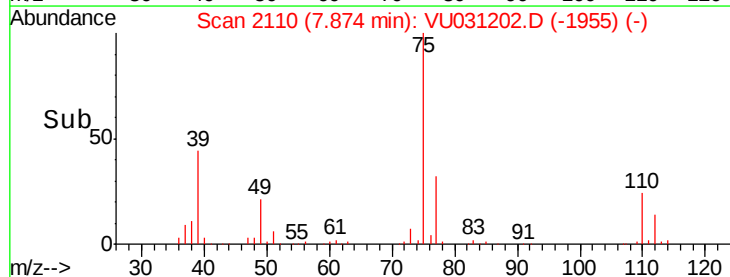
100000

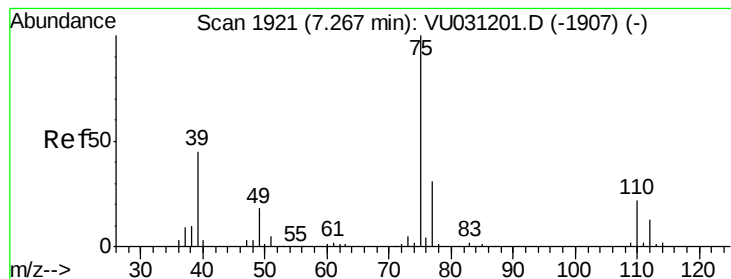
50000

0

7.80 7.90 8.00

Time-->





#51

cis-1,3-Dichloropropene

Concen: 15.101 ug/l

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

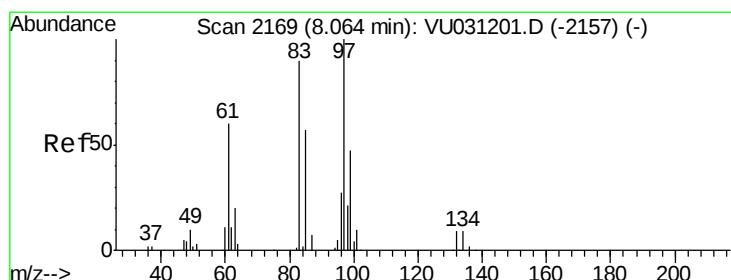
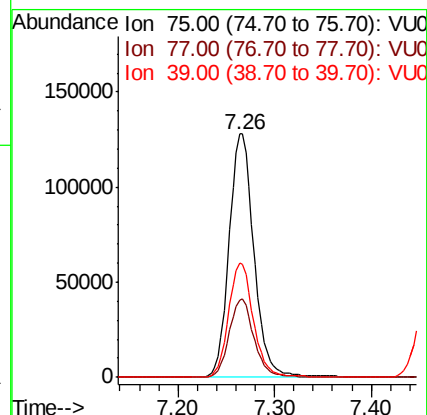
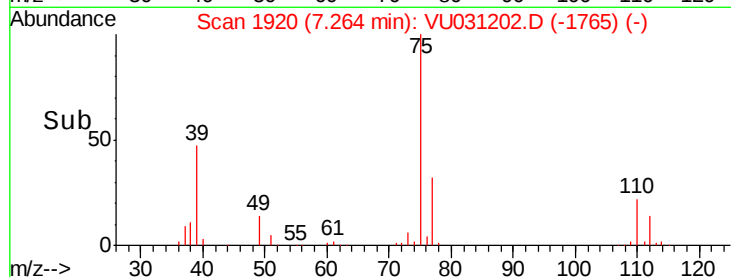
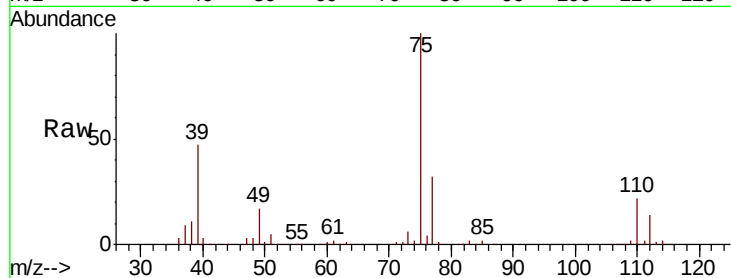
Tgt Ion: 75 Resp: 229021

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

39 47.0 36.1 54.1



#52

1,1,2-Trichloroethane

Concen: 14.412 ug/l

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Tgt Ion: 97 Resp: 115855

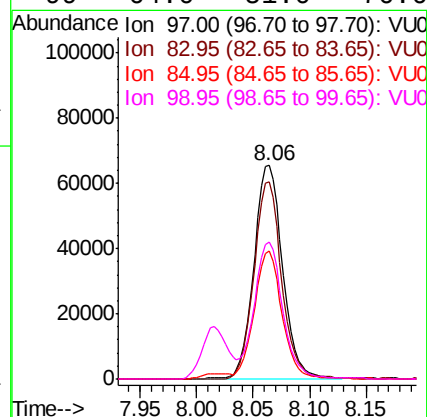
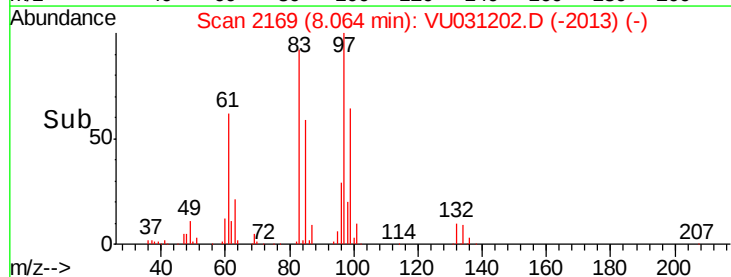
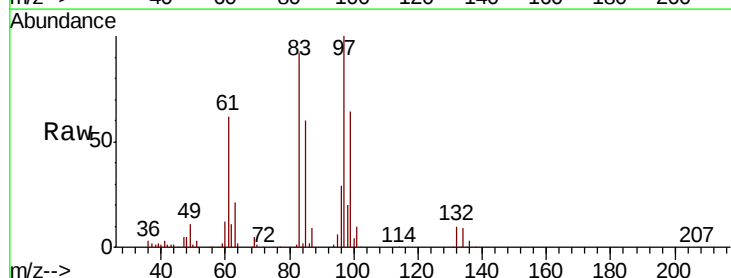
Ion Ratio Lower Upper

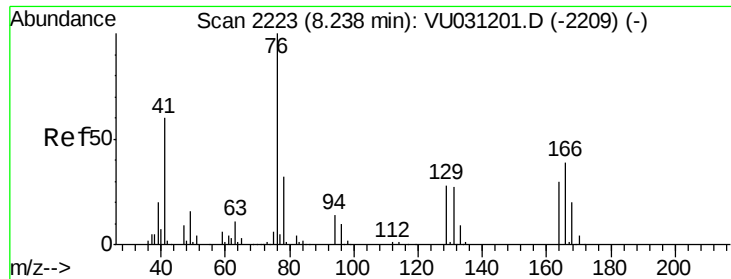
97 100

83 92.4 71.5 107.3

85 59.4 46.7 70.1

99 64.0 51.0 76.6

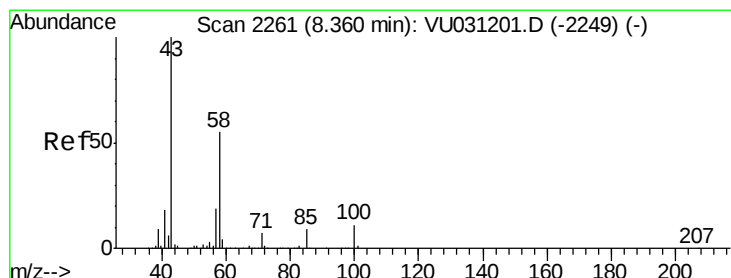
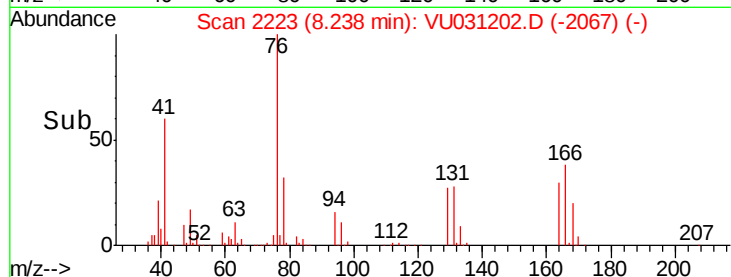
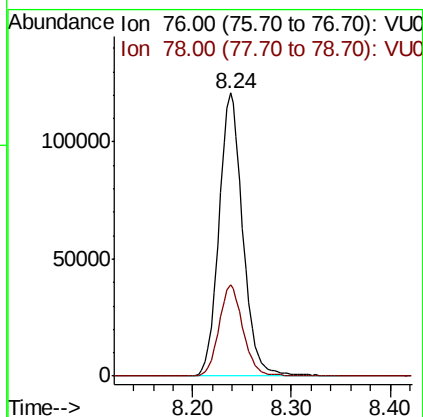
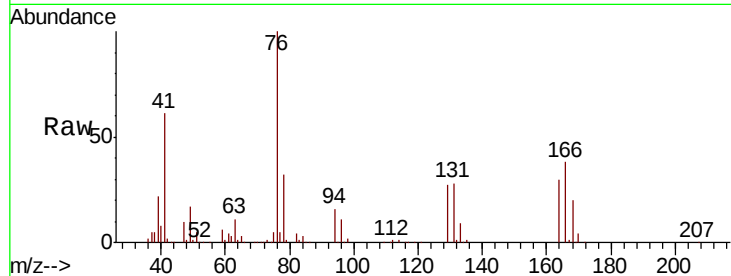




#53
 1,3-Dichloropropane
 Concen: 14.596 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

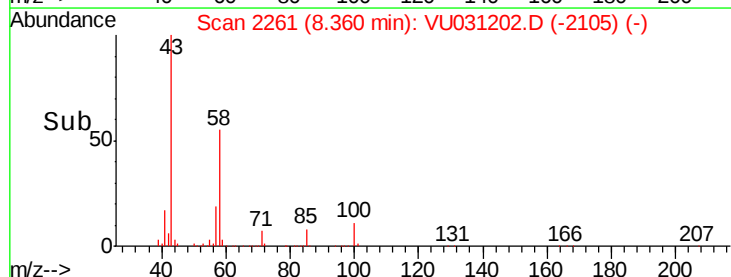
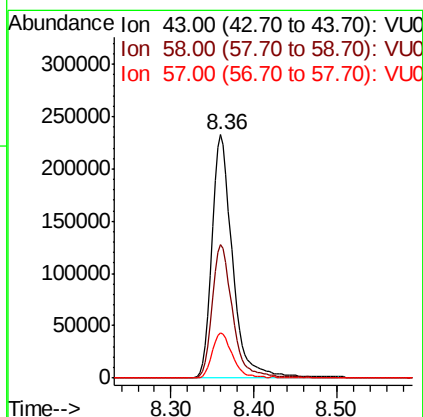
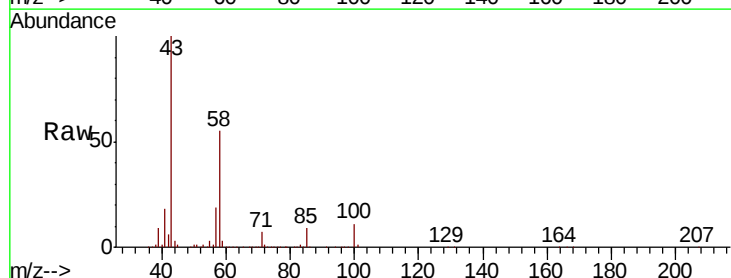
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

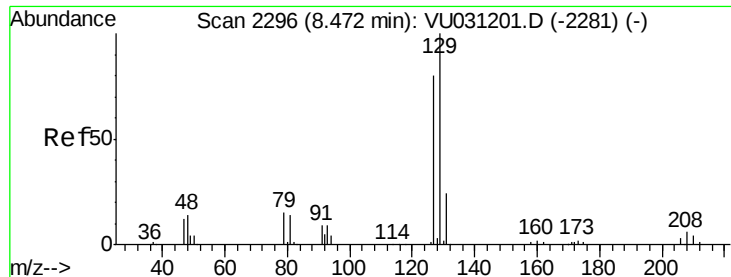
Tgt Ion: 76 Resp: 205391
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9



#54
 2-Hexanone
 Concen: 76.191 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 43 Resp: 405099
 Ion Ratio Lower Upper
 43 100
 58 55.0 35.5 75.5
 57 18.4 0.0 38.7

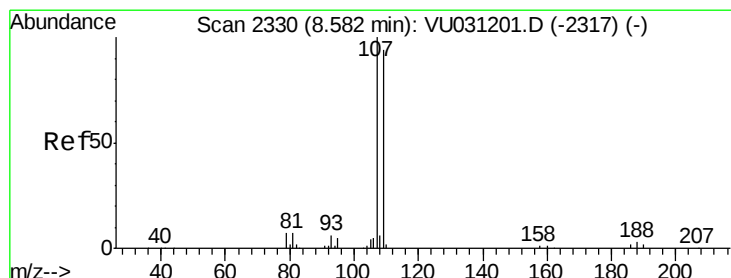
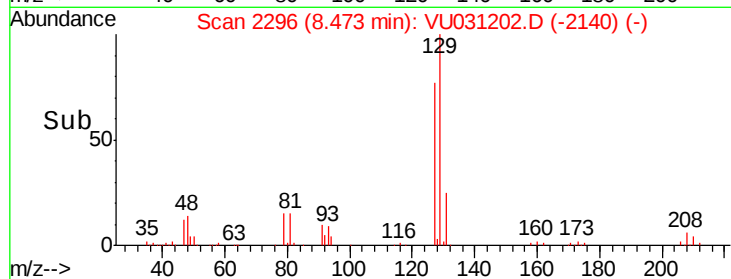
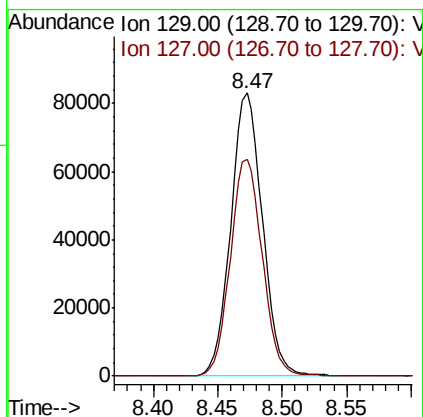
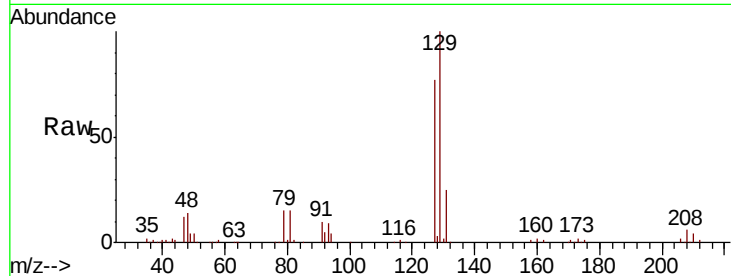




#55
 Dibromochloromethane
 Concen: 15.550 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

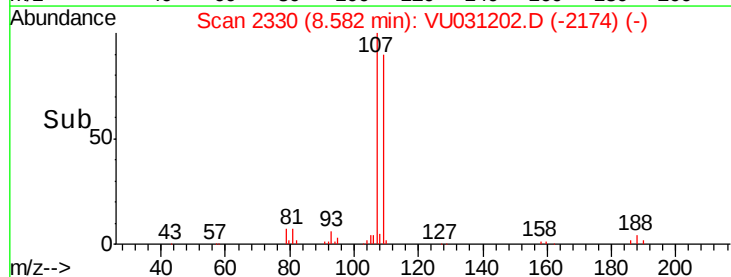
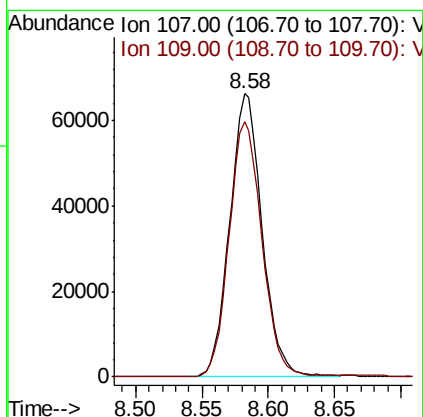
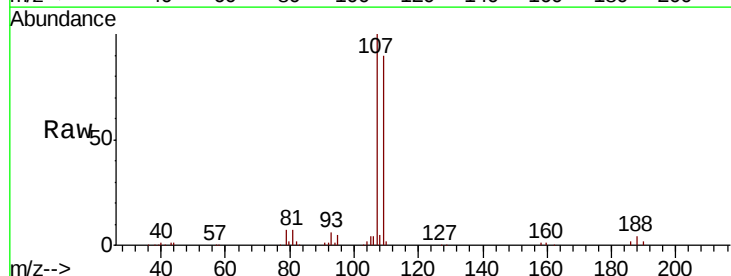
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

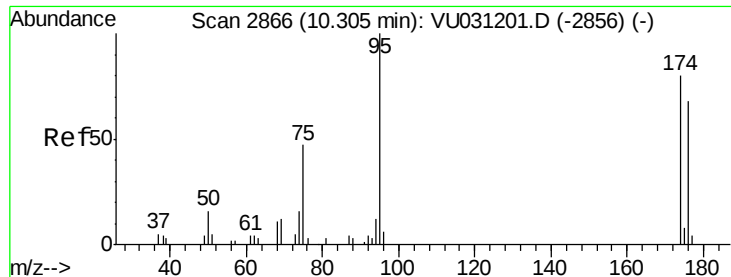
Tgt Ion:129 Resp: 142047
 Ion Ratio Lower Upper
 129 100
 127 77.2 62.2 93.2



#56
 1,2-Dibromoethane
 Concen: 15.491 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion:107 Resp: 112395
 Ion Ratio Lower Upper
 107 100
 109 91.5 0.0 189.0

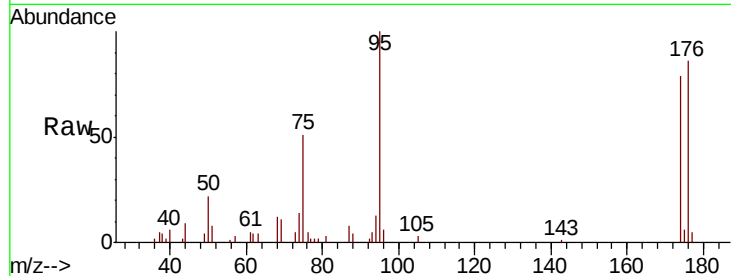




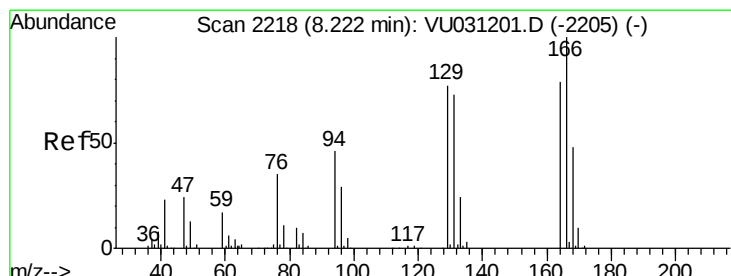
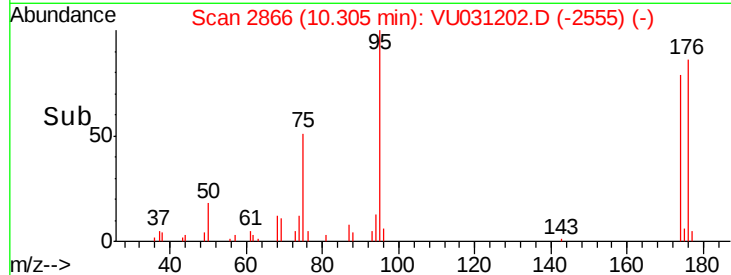
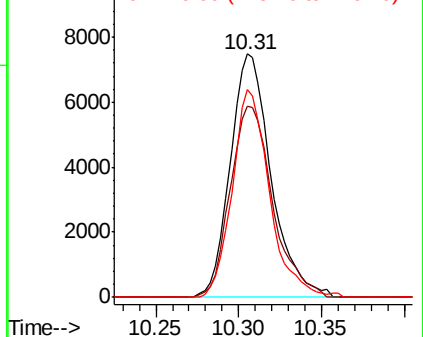
#57
4-Bromofluorobenzene
Concen: 15.491 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 95 Resp: 12809
Ion Ratio Lower Upper
95 100
174 81.6 64.2 96.2
176 78.0 58.0 87.0

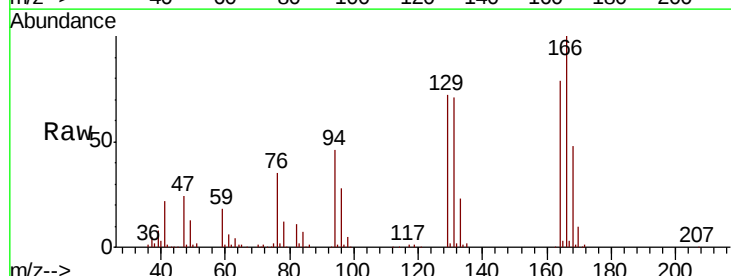


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

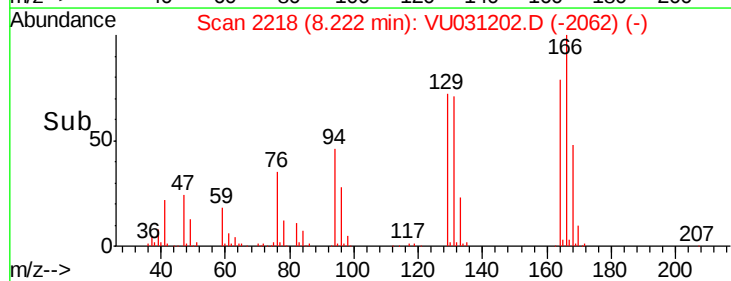
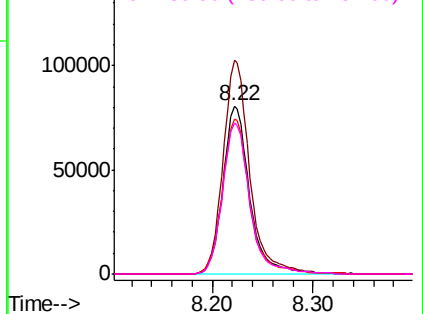


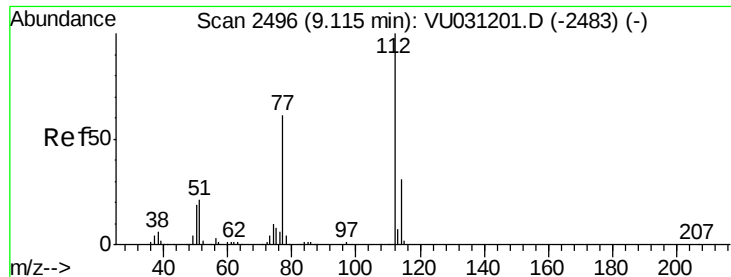
#58
Tetrachloroethene
Concen: 16.368 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 164 Resp: 149128
Ion Ratio Lower Upper
164 100
166 127.3 100.9 151.3
129 92.2 77.6 116.4
131 89.8 73.5 110.3



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

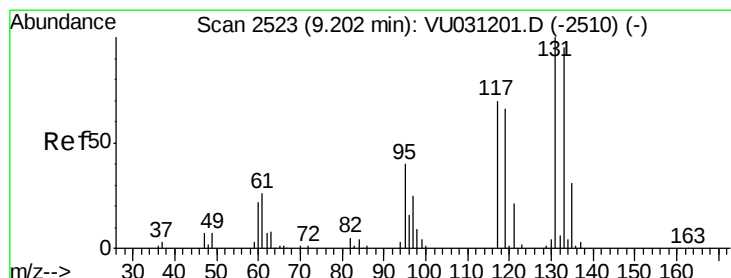
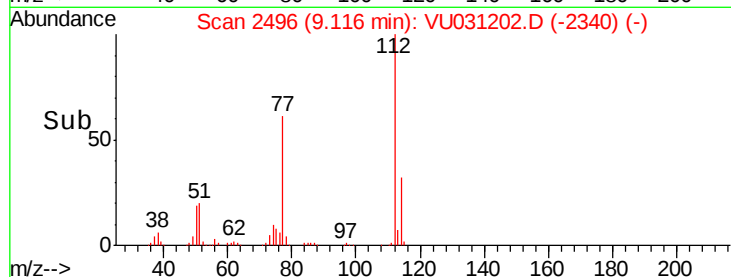
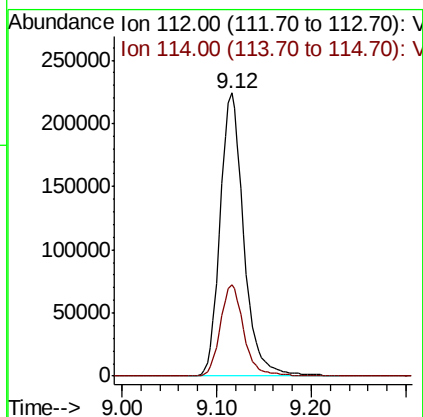
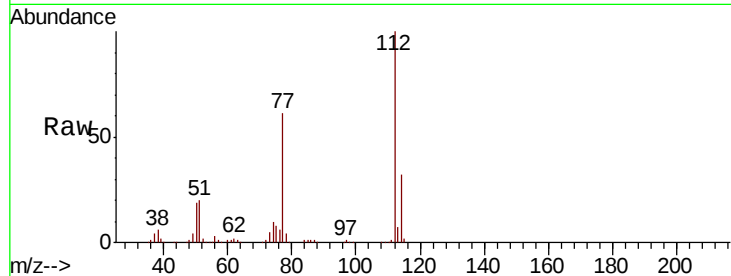




#59
Chlorobenzene
Concen: 15.496 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

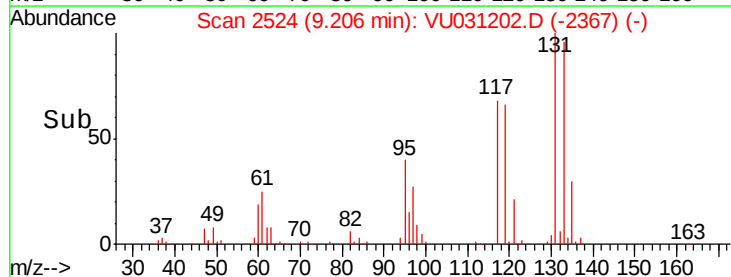
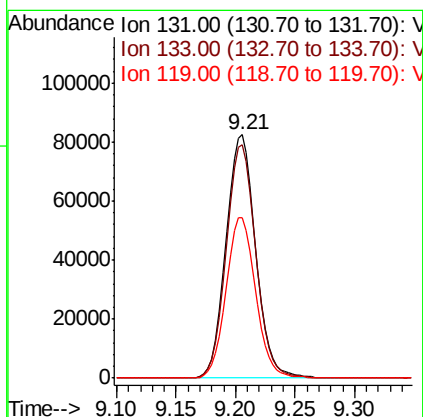
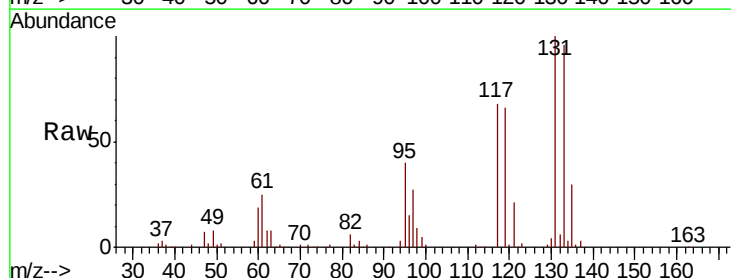
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

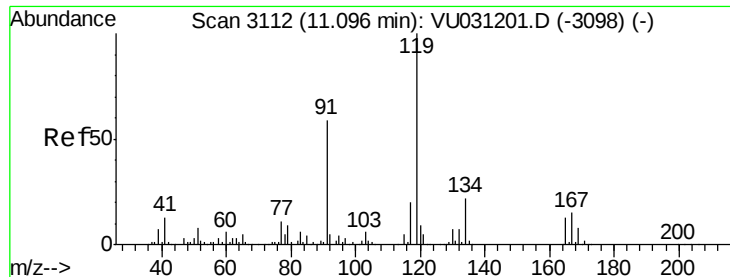
Tgt Ion:112 Resp: 389473
Ion Ratio Lower Upper
112 100
114 32.5 24.4 36.6



#60
1,1,1,2-Tetrachloroethane
Concen: 15.034 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion:131 Resp: 142581
Ion Ratio Lower Upper
131 100
133 95.8 77.2 115.8
119 65.9 51.4 77.2





#61

Pentachloroethane

Concen: 14.268 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

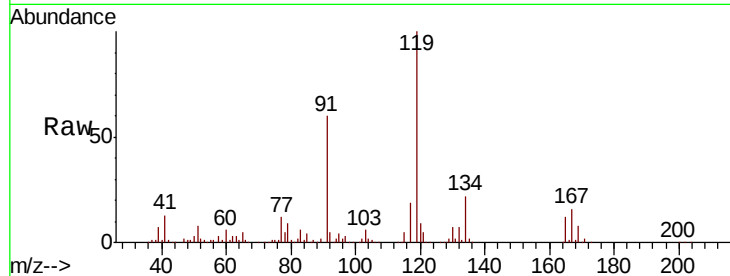
VSTDIC015

Tgt Ion:117 Resp: 103676

Ion Ratio Lower Upper

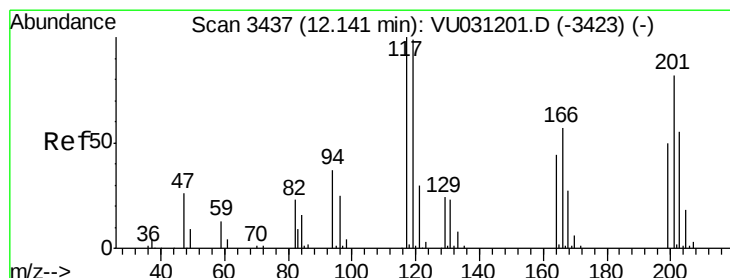
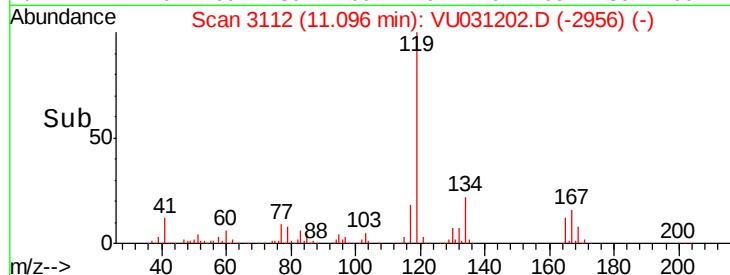
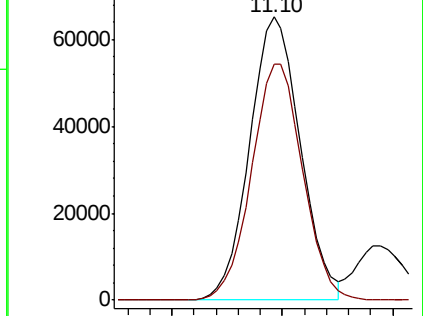
117 100

167 84.6 63.1 94.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 15.429 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031202.D

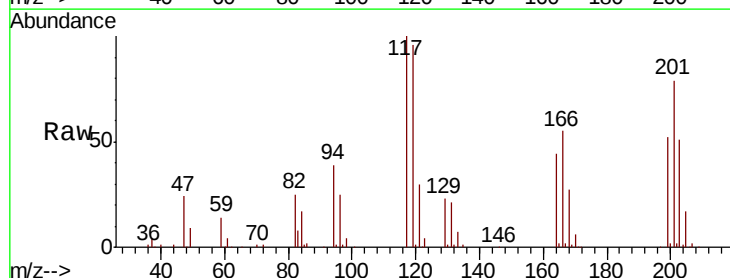
Acq: 15 Apr 2019 22:47

Tgt Ion:117 Resp: 106539

Ion Ratio Lower Upper

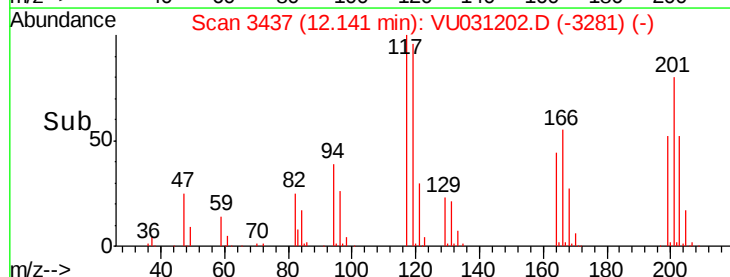
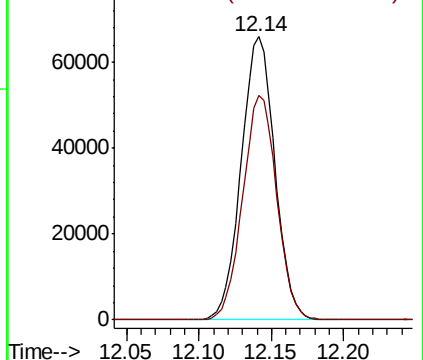
117 100

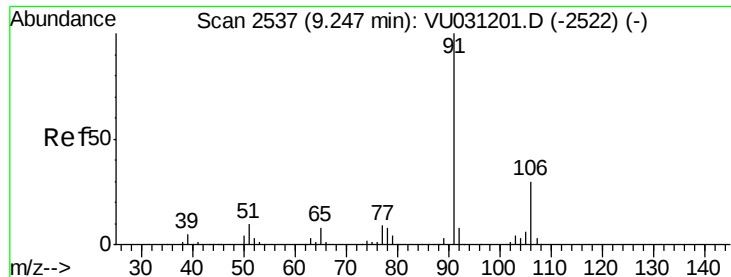
201 80.0 63.9 95.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

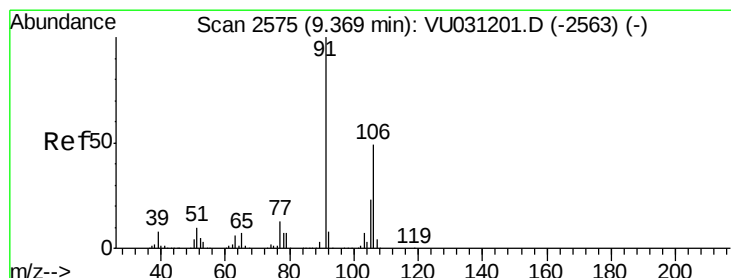
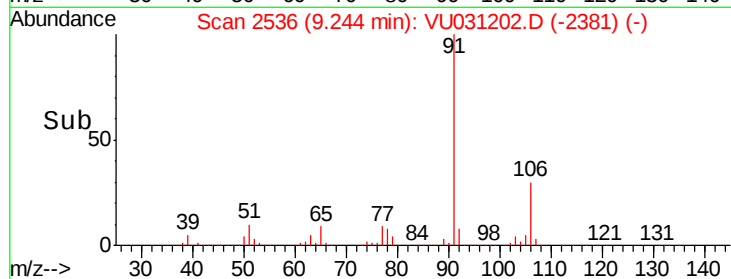
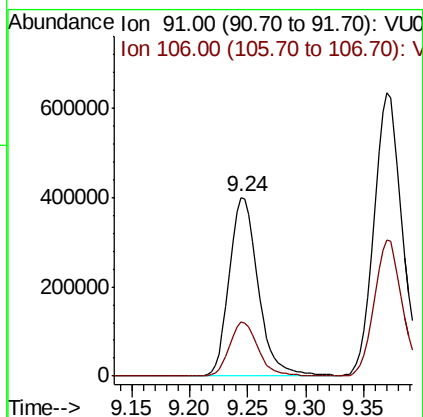
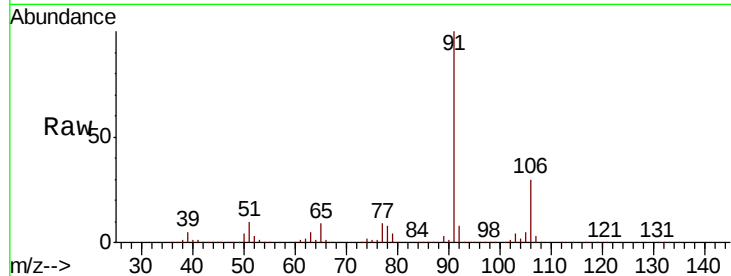




#63
Ethyl Benzene
Concen: 16.621 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

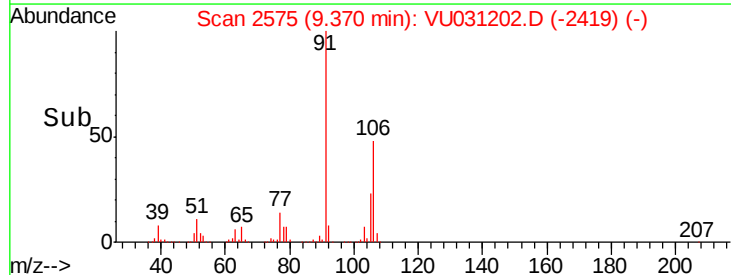
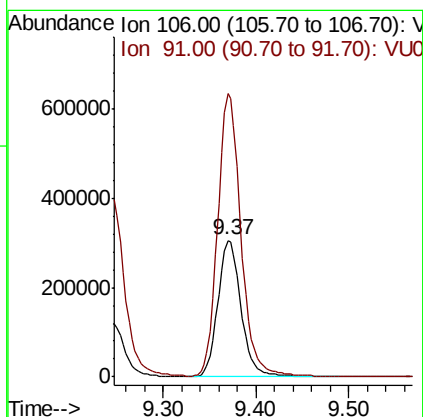
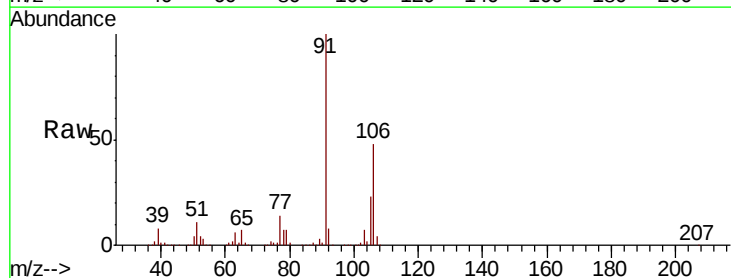
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

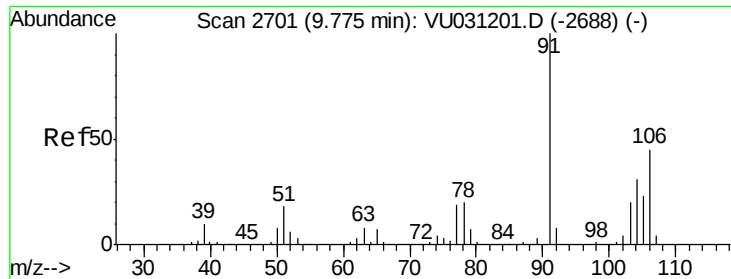
Tgt Ion: 91 Resp: 691822
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#64
m/p-Xylenes
Concen: 34.725 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion: 106 Resp: 528417
Ion Ratio Lower Upper
106 100
91 207.2 165.7 248.5

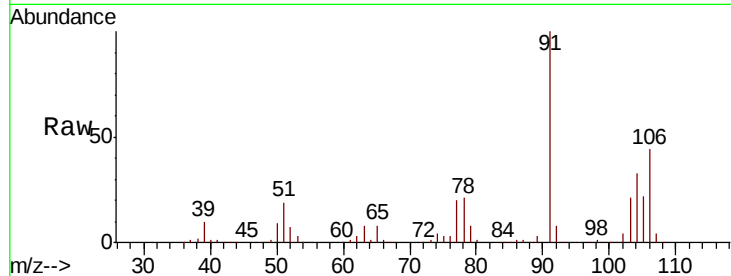




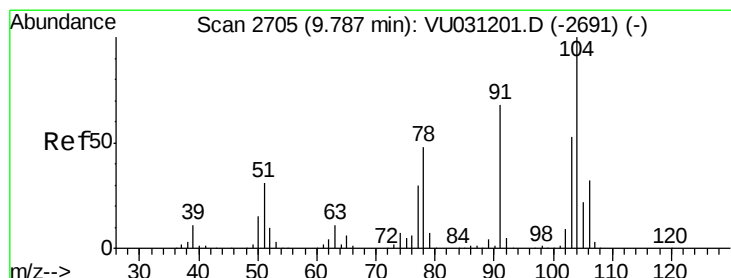
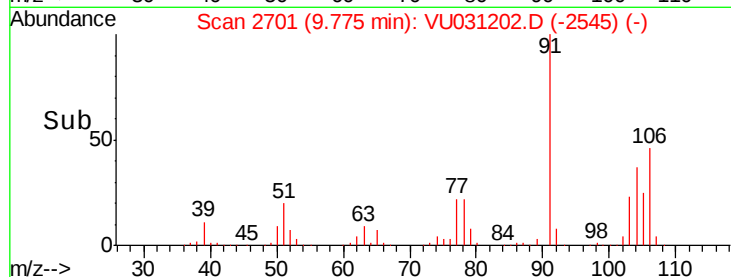
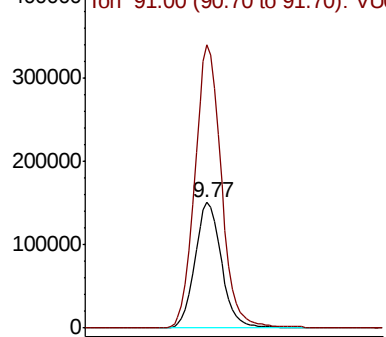
#65
o-Xylene
Concen: 16.723 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:106 Resp: 247305
Ion Ratio Lower Upper
106 100
91 224.8 111.3 333.8

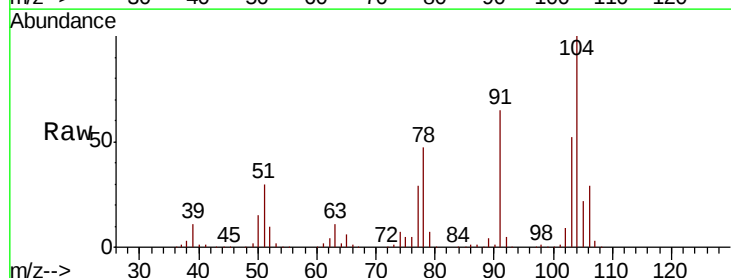


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

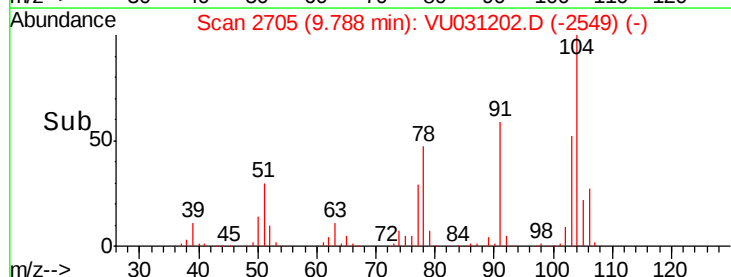
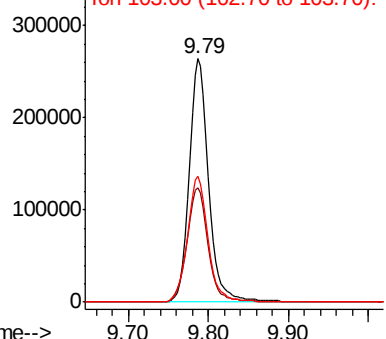


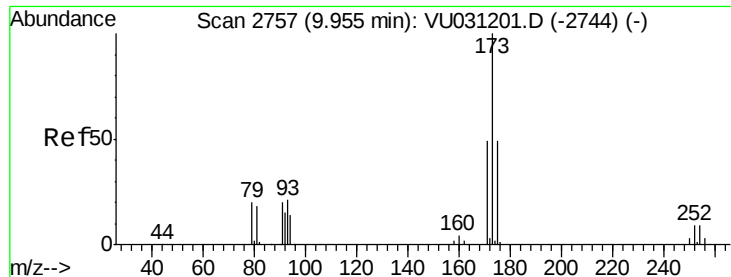
#66
Styrene
Concen: 17.359 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031202.D
Acq: 15 Apr 2019 22:47

Tgt Ion:104 Resp: 443262
Ion Ratio Lower Upper
104 100
78 51.4 41.4 62.0
103 55.2 45.0 67.4



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: 16.082 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

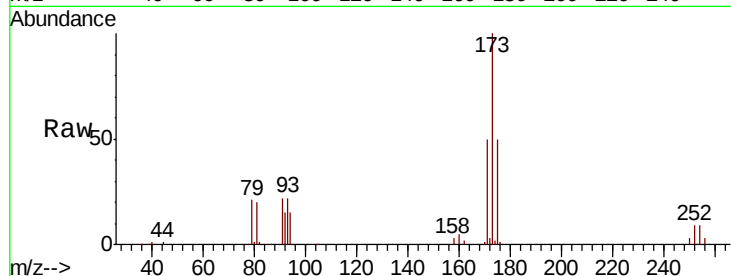
Tgt Ion:173 Resp: 84434

Ion Ratio Lower Upper

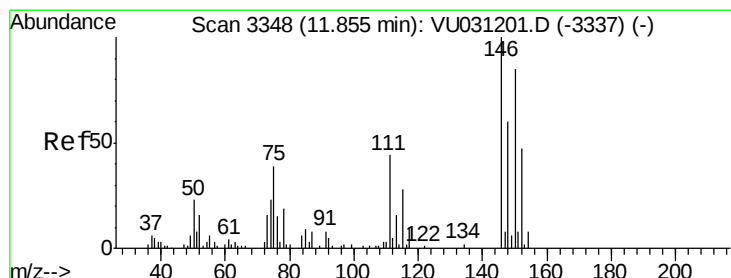
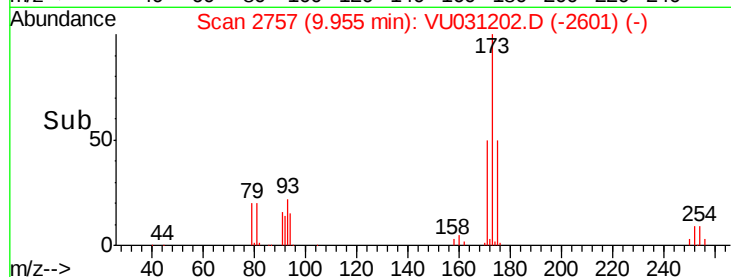
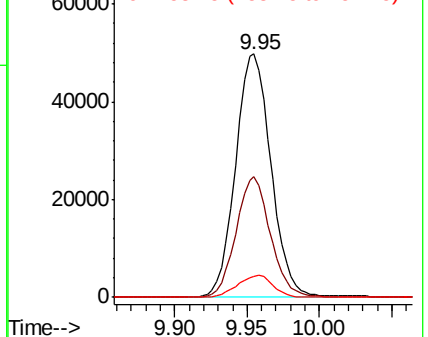
173 100

175 48.1 38.0 57.0

254 8.9 7.1 10.7



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: 16.082 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

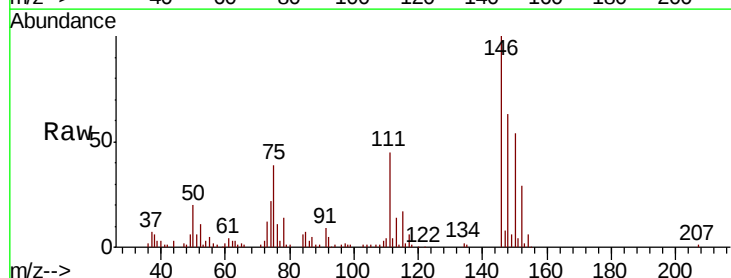
Tgt Ion:152 Resp: 12749

Ion Ratio Lower Upper

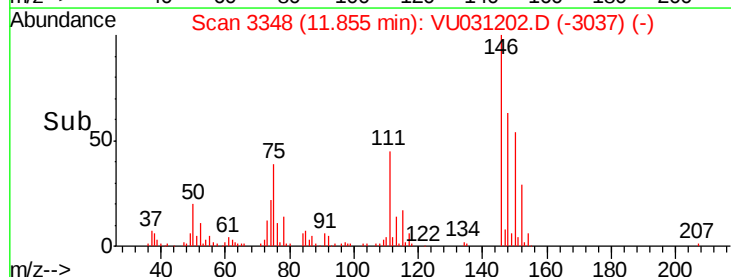
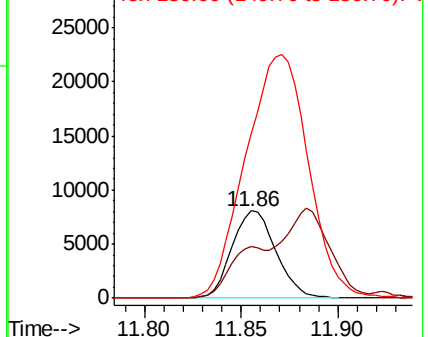
152 100

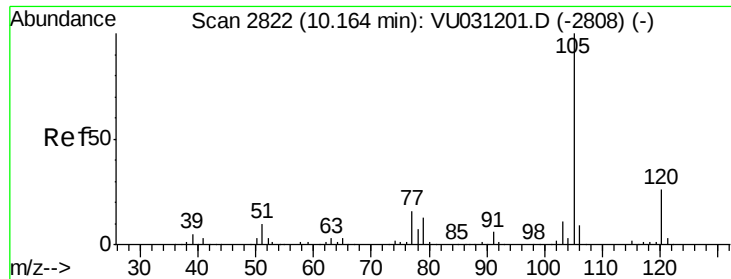
115 52.6 0.0 130.0

150 0.0 0.0 639.0



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: 17.001 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

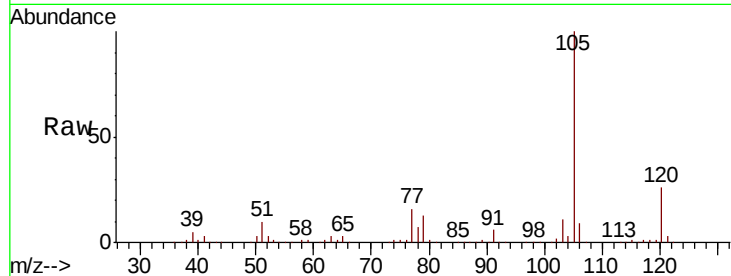
VSTDIC015

Tgt Ion:105 Resp: 670864

Ion Ratio Lower Upper

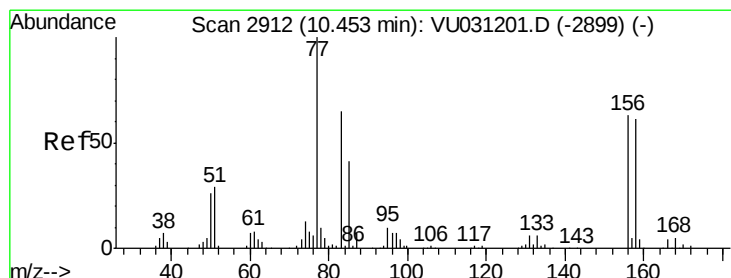
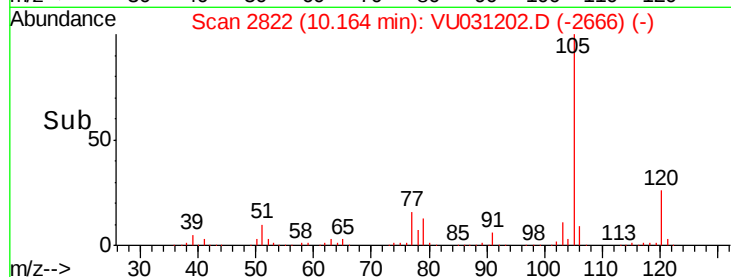
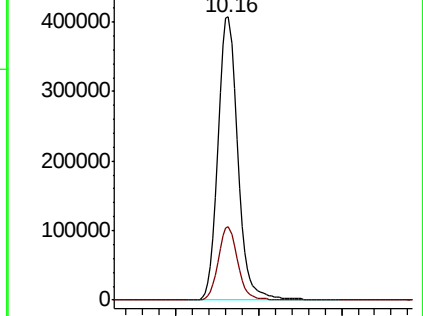
105 100

120 25.6 12.8 38.3



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: 14.220 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

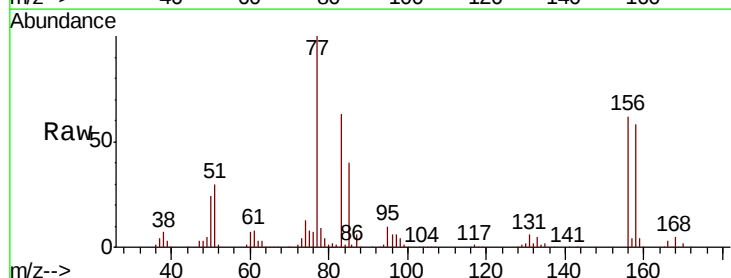
Tgt Ion: 83 Resp: 150336

Ion Ratio Lower Upper

83 100

131 9.4 8.0 12.0

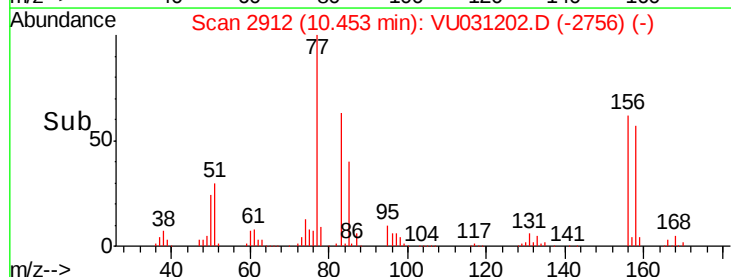
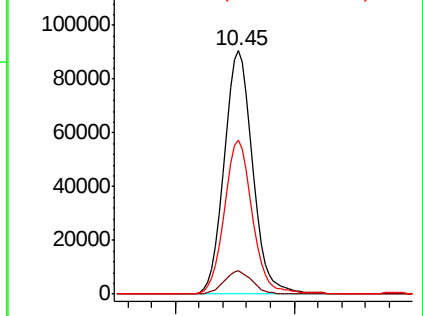
85 62.2 51.3 76.9

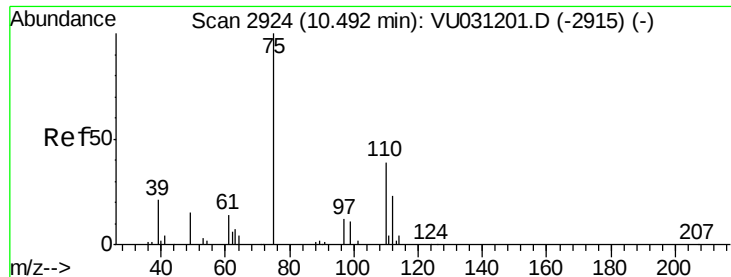


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 10.863 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 87320

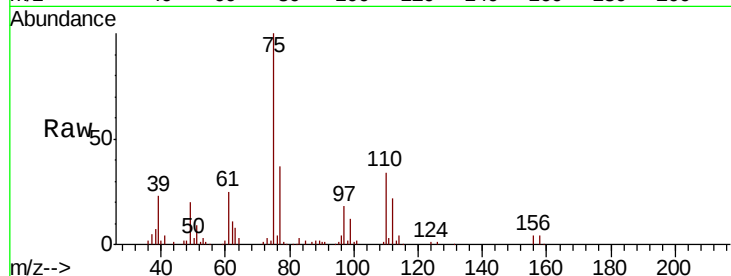
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 43.8 0.0 71.0

97 24.5 0.0 40.4

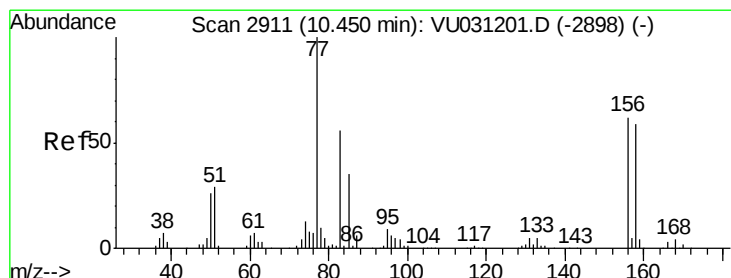
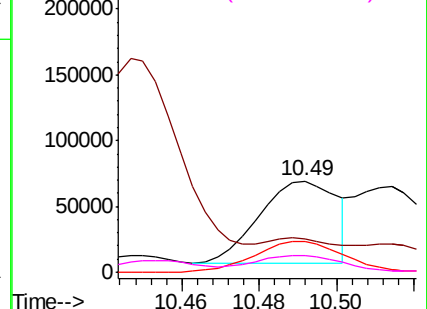
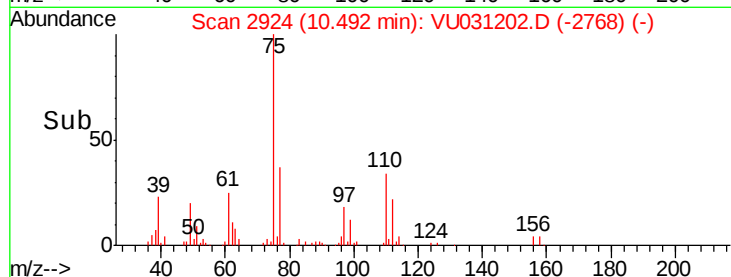


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 16.481 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

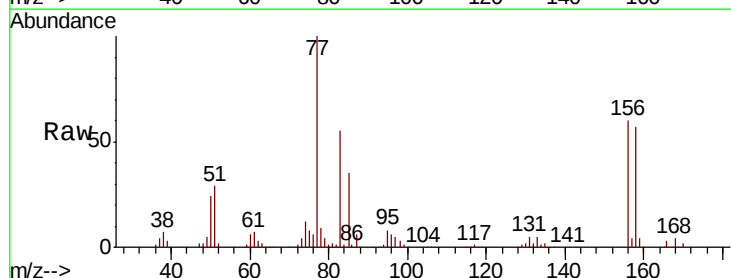
Tgt Ion: 156 Resp: 164407

Ion Ratio Lower Upper

156 100

77 162.8 0.0 322.6

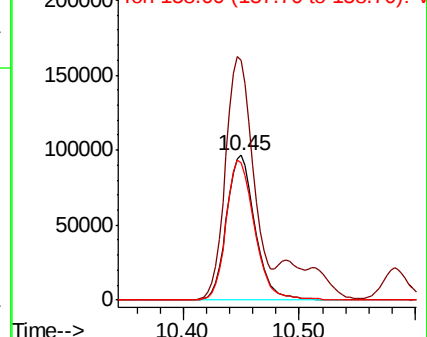
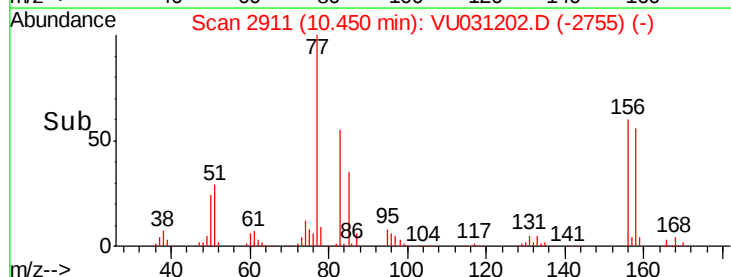
158 96.2 0.0 191.0

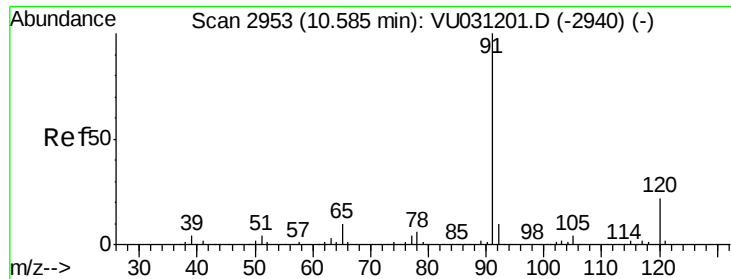


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 17.508 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

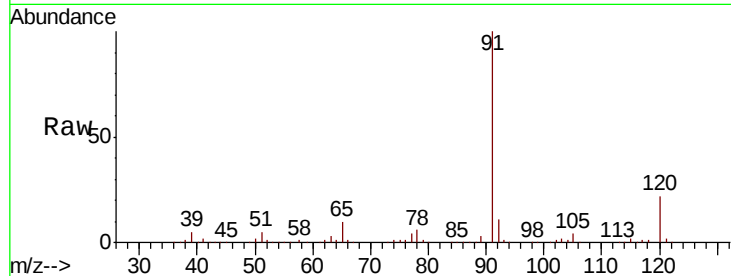
VSTDIC015

Tgt Ion:120 Resp: 184296

Ion Ratio Lower Upper

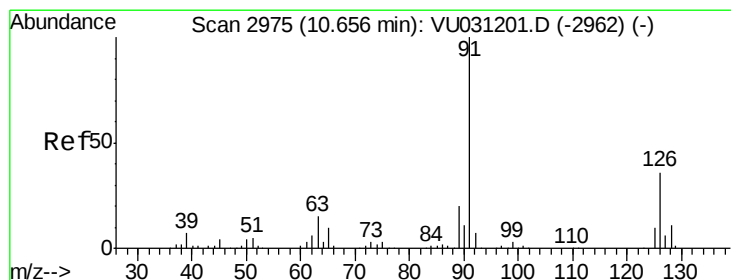
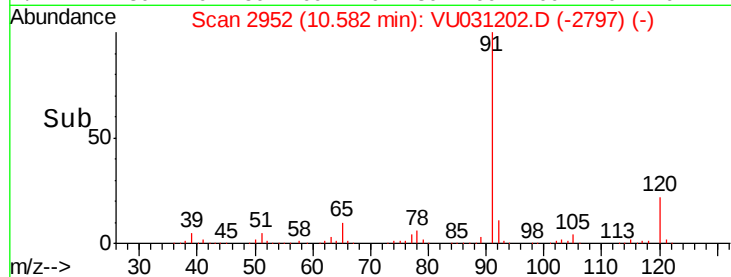
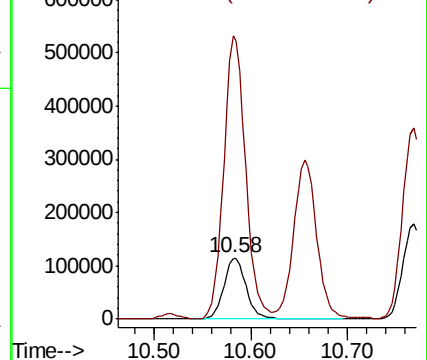
120 100

91 451.7 364.9 547.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 16.601 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031202.D

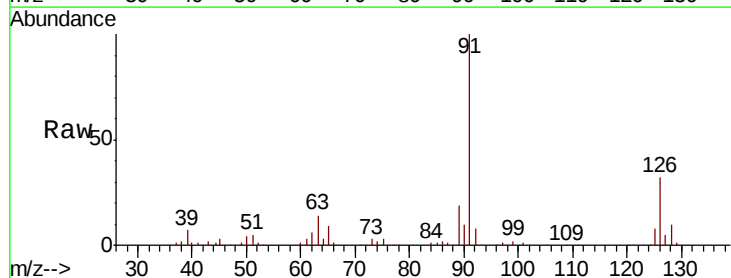
Acq: 15 Apr 2019 22:47

Tgt Ion:126 Resp: 159467

Ion Ratio Lower Upper

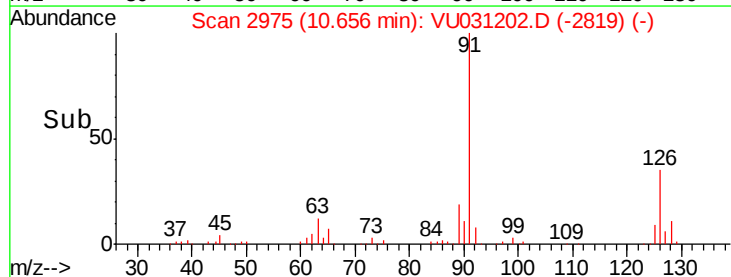
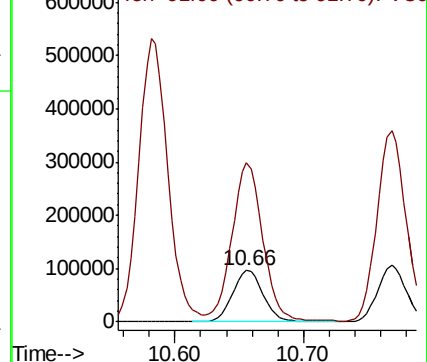
126 100

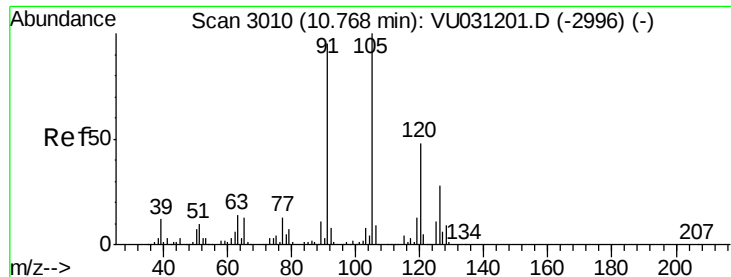
91 312.0 0.0 612.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 17.356 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

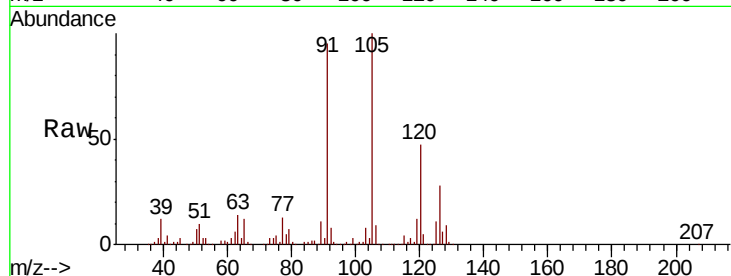
VSTDIC015

Tgt Ion:105 Resp: 580148

Ion Ratio Lower Upper

105 100

120 47.3 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

400000

300000

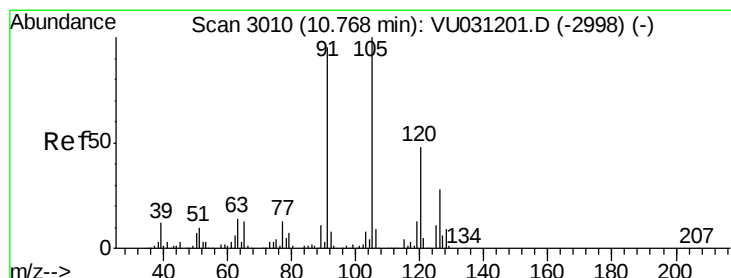
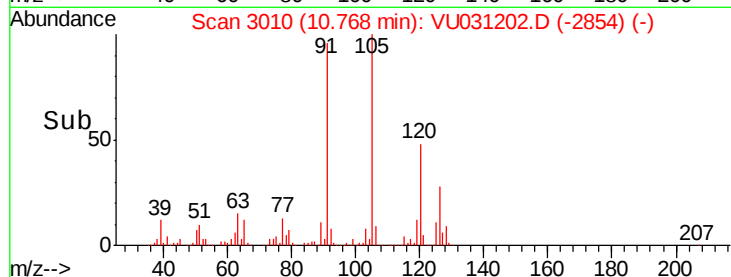
200000

100000

0

Time-->

10.70 10.80 10.90



#76

4-Chlorotoluene

Concen: 16.908 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031202.D

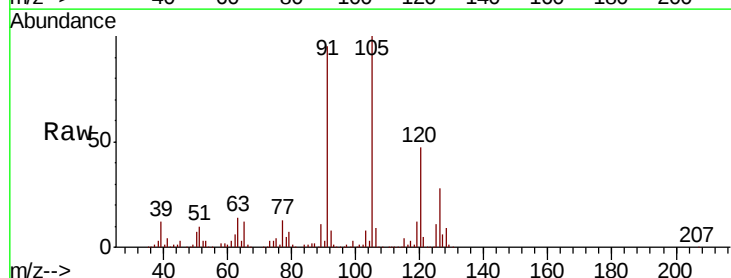
Acq: 15 Apr 2019 22:47

Tgt Ion:126 Resp: 165763

Ion Ratio Lower Upper

126 100

91 344.1 0.0 683.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

400000

300000

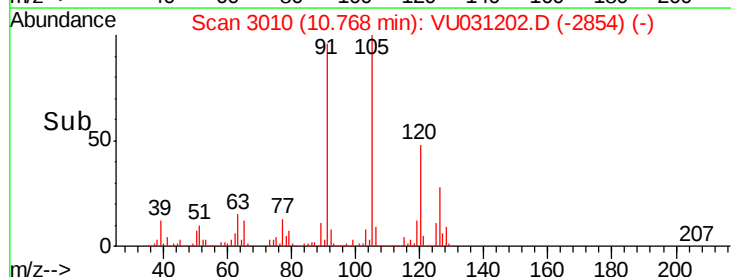
200000

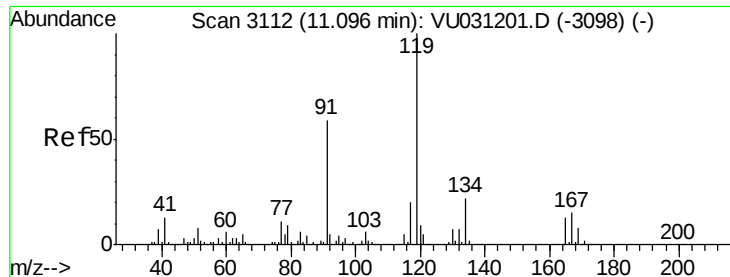
100000

0

Time-->

10.70 10.80





#77

tert-Butylbenzene

Concen: 16.690 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

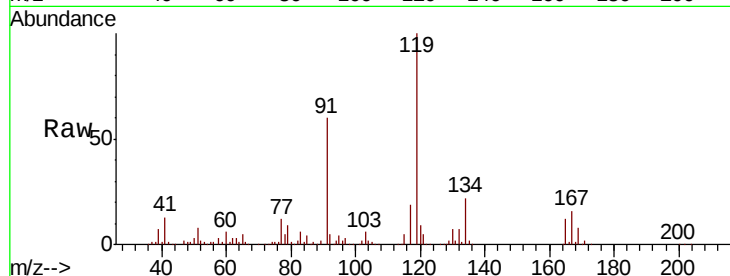
Tgt Ion:119 Resp: 543628

Ion Ratio Lower Upper

119 100

91 60.0 29.4 88.3

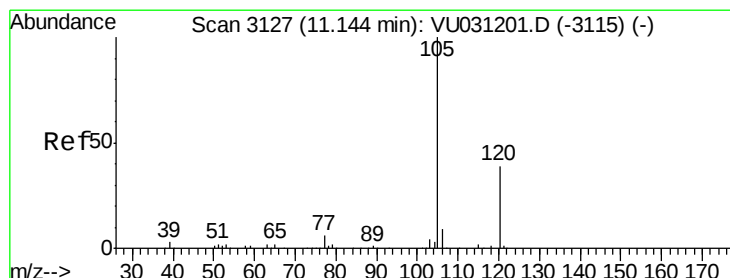
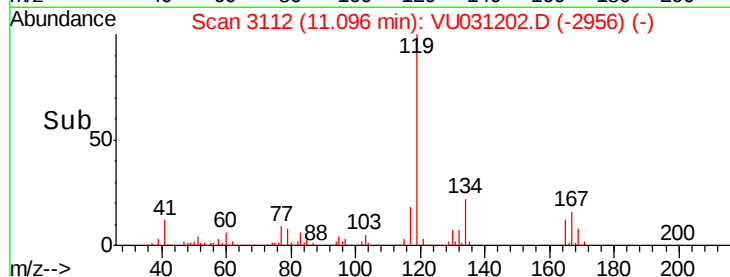
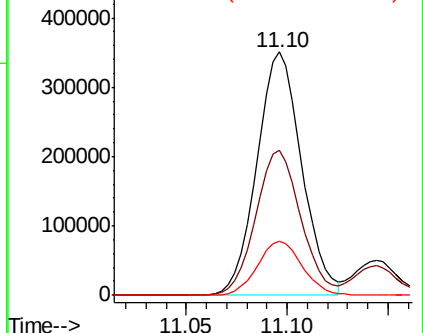
134 22.6 17.9 26.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 17.300 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU031202.D

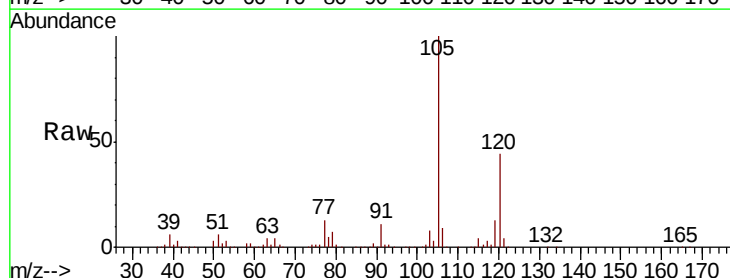
Acq: 15 Apr 2019 22:47

Tgt Ion:105 Resp: 589097

Ion Ratio Lower Upper

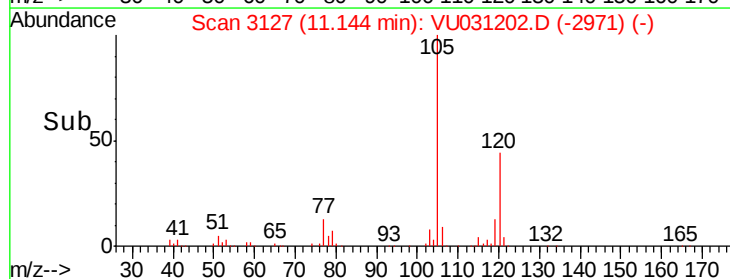
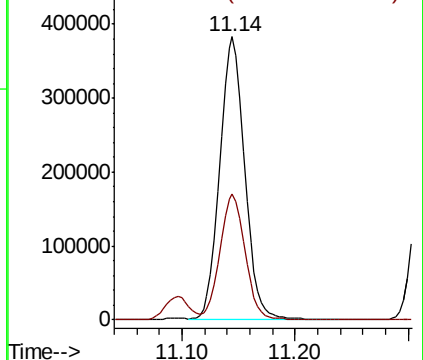
105 100

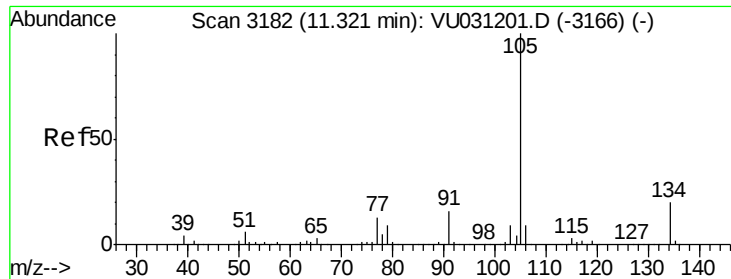
120 44.8 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

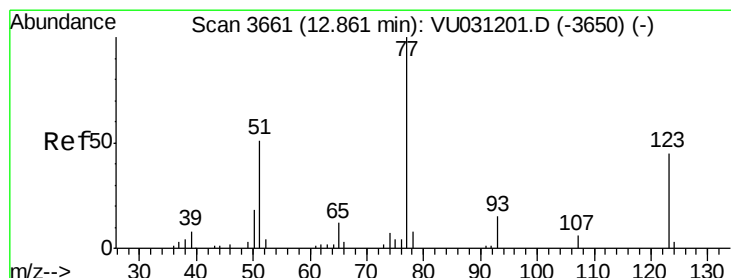
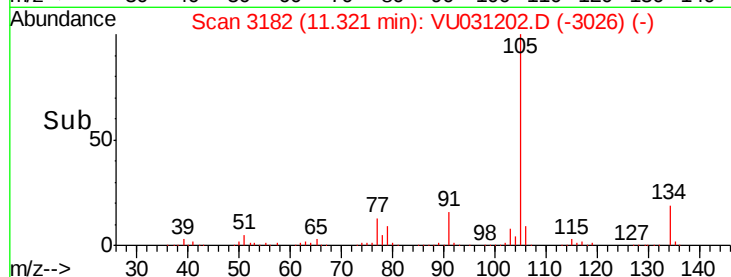
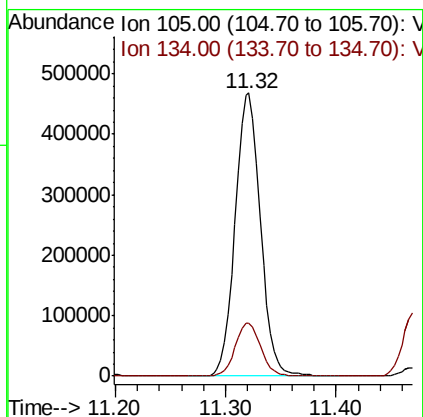
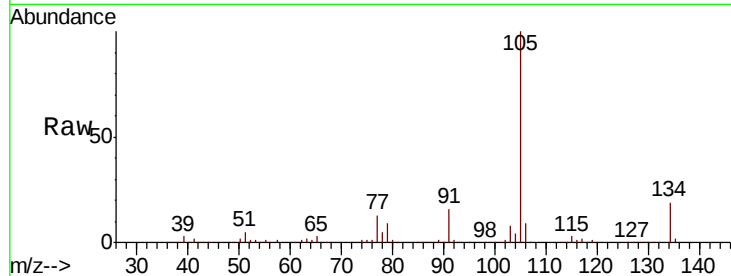




#79
 sec-Butylbenzene
 Concen: 16.802 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

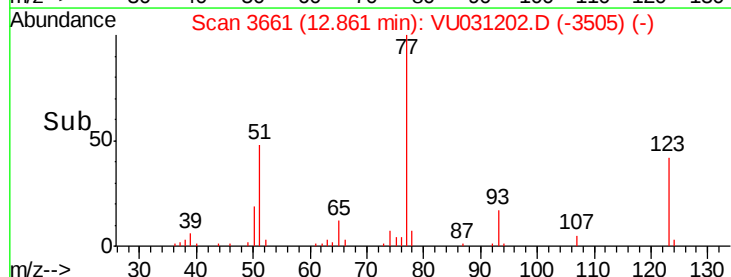
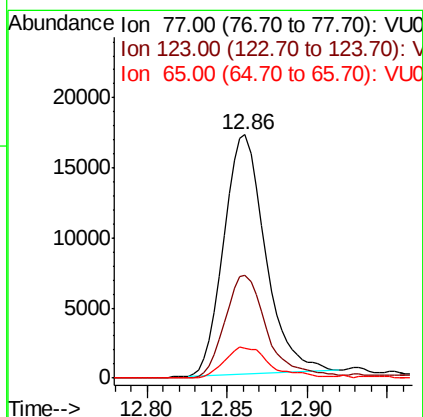
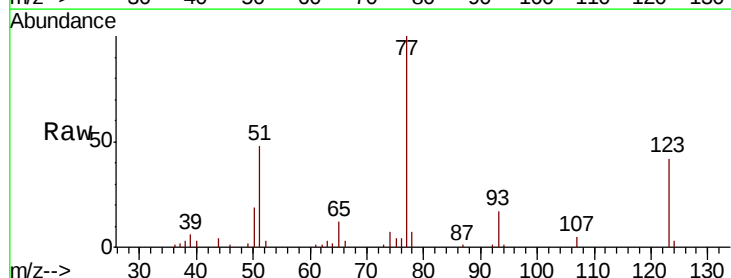
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

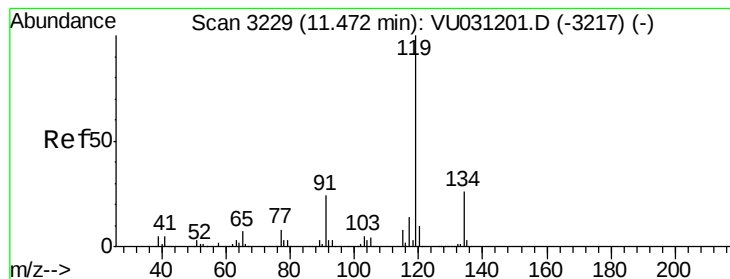
Tgt Ion: 105 Resp: 743698
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3



#80
 Nitrobenzene
 Concen: 96.296 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 77 Resp: 30299
 Ion Ratio Lower Upper
 77 100
 123 41.6 17.1 60.7
 65 13.4 9.4 12.0#





#81

p-Isopropyltoluene

Concen: 17.607 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

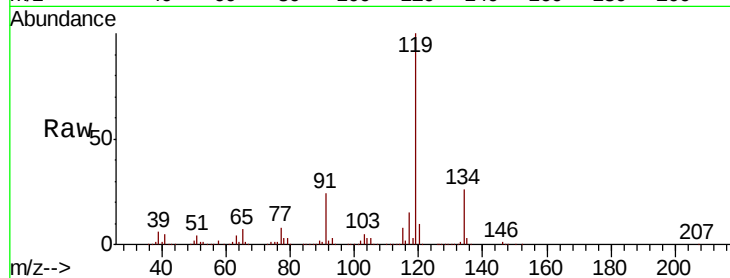
Tgt Ion:119 Resp: 611081

Ion Ratio Lower Upper

119 100

134 26.3 21.0 31.4

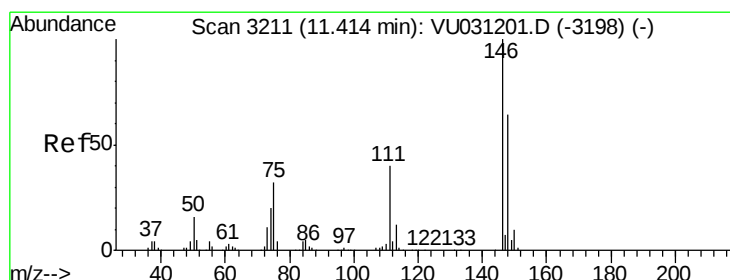
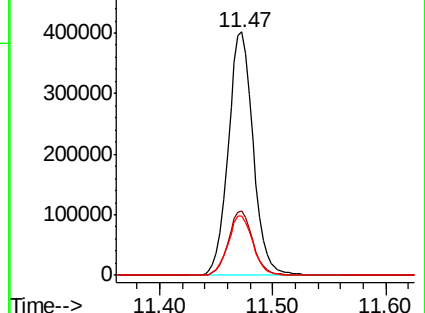
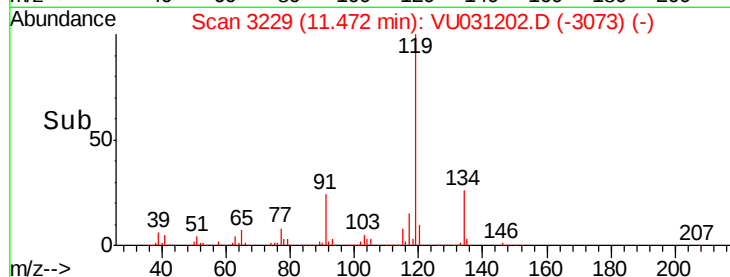
91 24.7 19.4 29.2



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): VU



#82

1,3-Dichlorobenzene

Concen: 16.121 ug/l

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

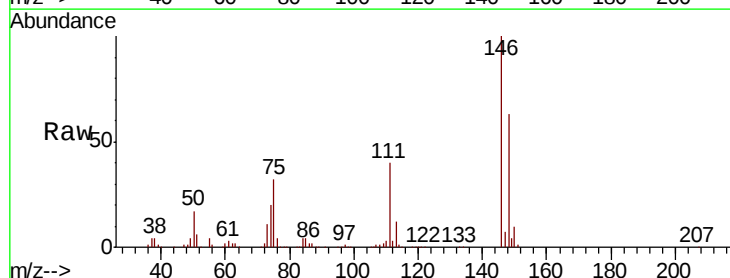
Tgt Ion:146 Resp: 318484

Ion Ratio Lower Upper

146 100

111 39.9 32.4 48.6

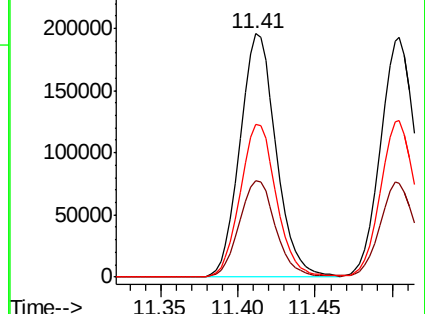
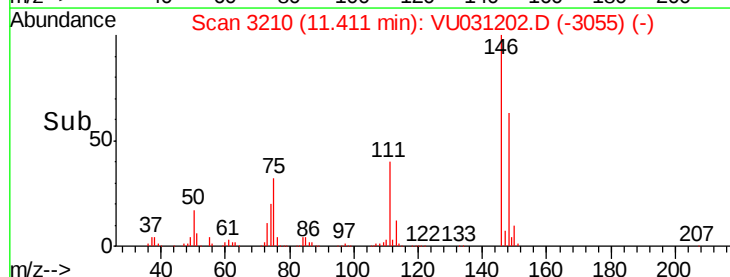
148 62.9 50.8 76.2

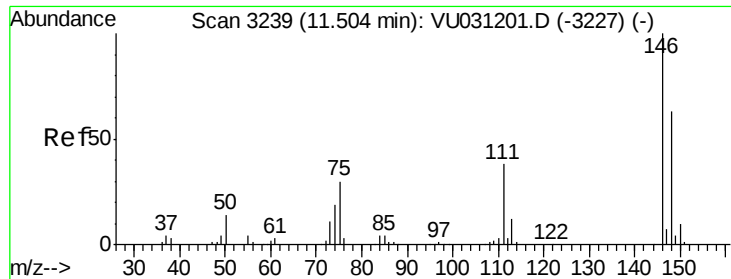


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

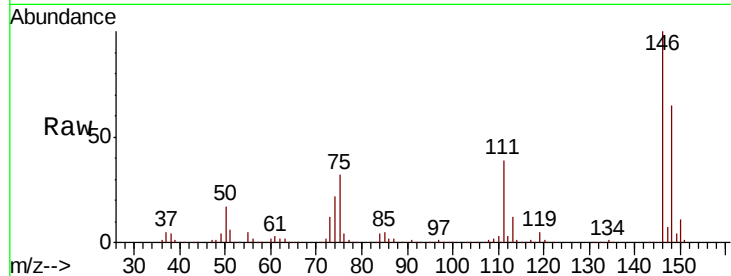




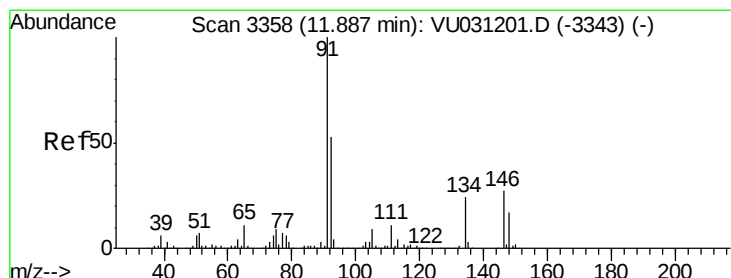
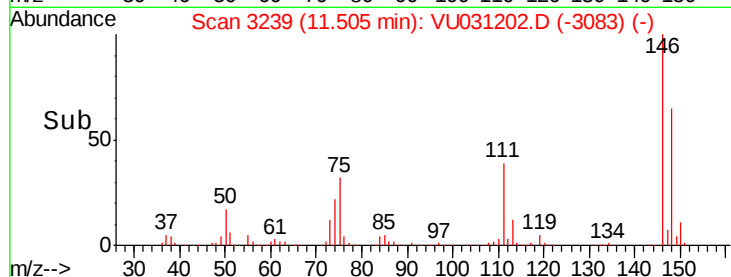
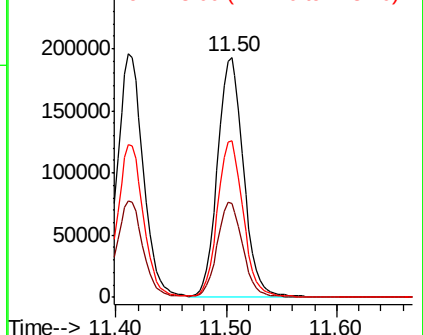
#83
 1,4-Dichlorobenzene
 Concen: 16.123 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 146 Resp: 314830
 Ion Ratio Lower Upper
 146 100
 111 38.8 30.6 46.0
 148 64.3 51.1 76.7

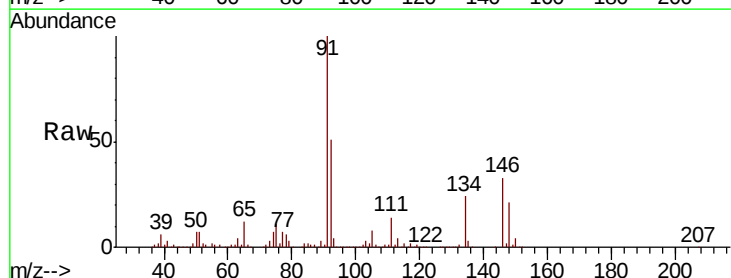


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

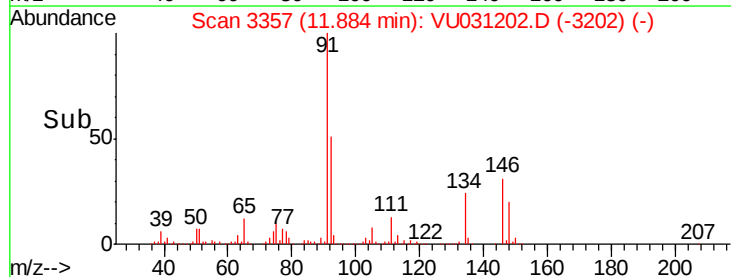
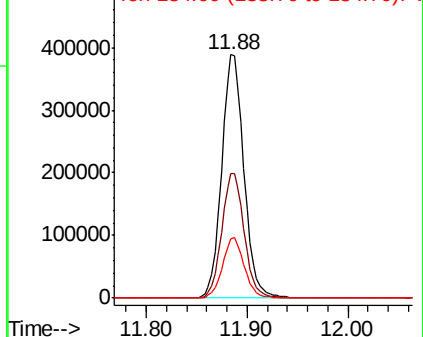


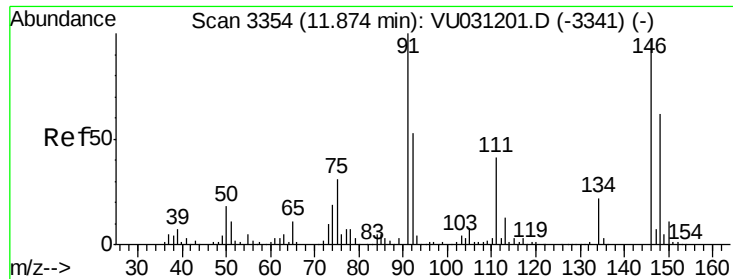
#84
 n-Butylbenzene
 Concen: 17.173 ug/l
 RT: 11.88 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion: 91 Resp: 599040
 Ion Ratio Lower Upper
 91 100
 92 51.8 42.6 63.8
 134 24.4 19.1 28.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 15.707 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

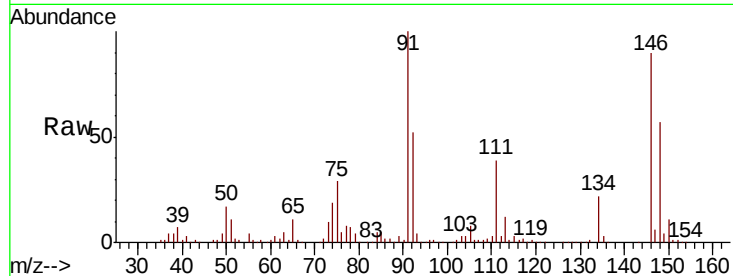
Tgt Ion: 146 Resp: 294916

Ion Ratio Lower Upper

146 100

111 42.7 20.8 62.5

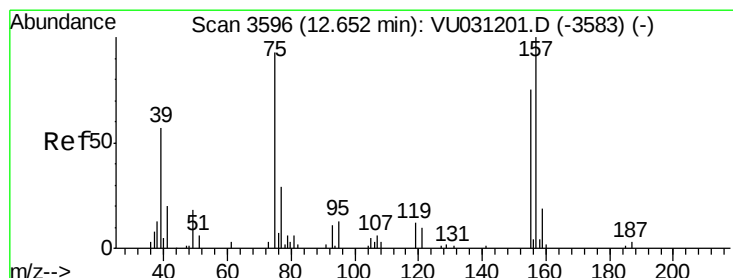
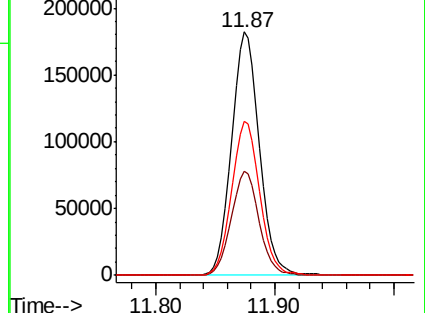
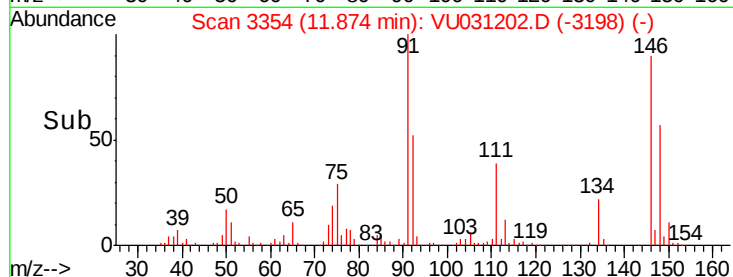
148 64.0 31.4 94.3



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



#86

1,2-Dibromo-3-Chloropropane

Concen: 14.883 ug/l

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

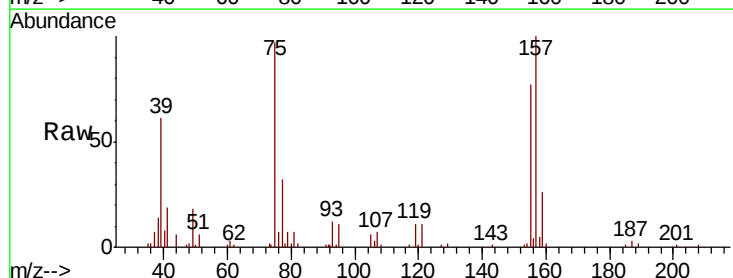
Tgt Ion: 75 Resp: 24567

Ion Ratio Lower Upper

75 100

155 81.8 61.7 92.5

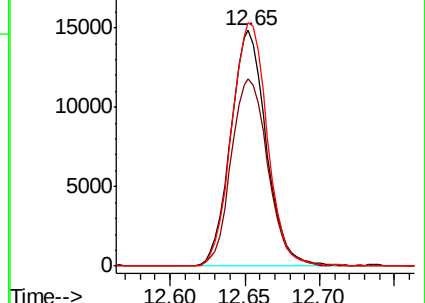
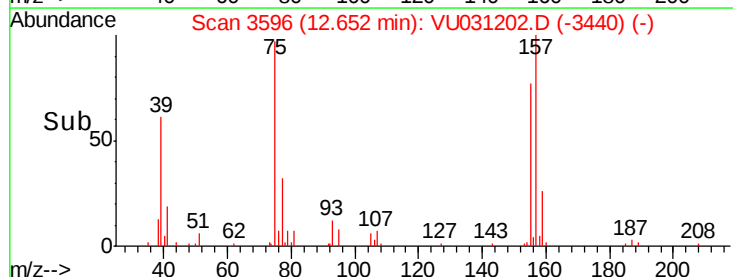
157 103.6 81.3 121.9

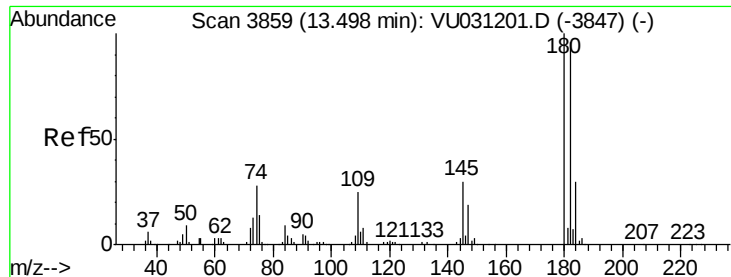


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

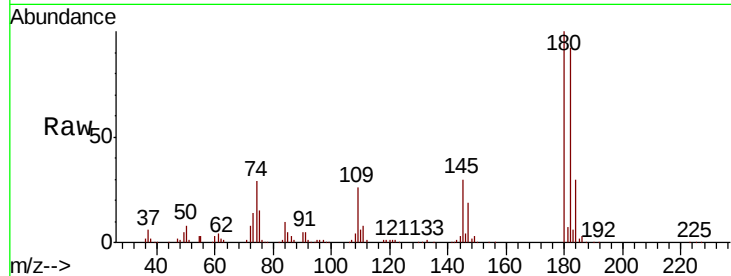




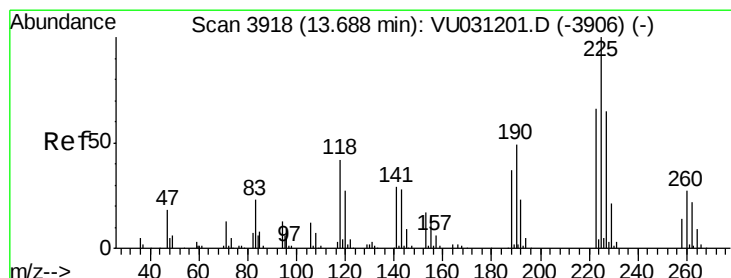
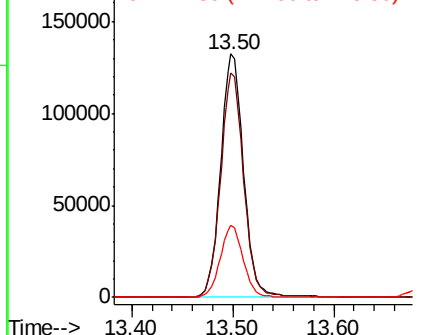
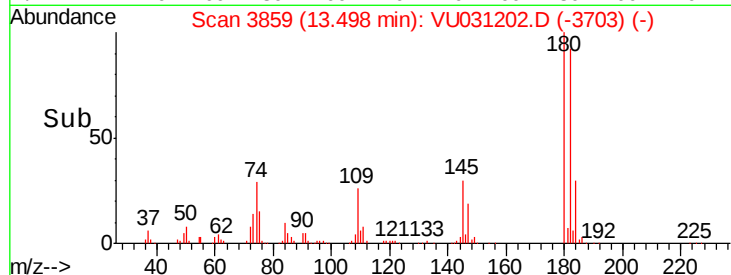
#87
 1,2,4-Trichlorobenzene
 Concen: 18.828 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 211141
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.0 112.6
 145 29.4 23.4 35.2

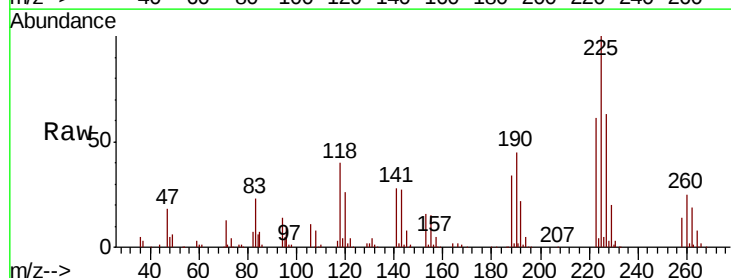


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

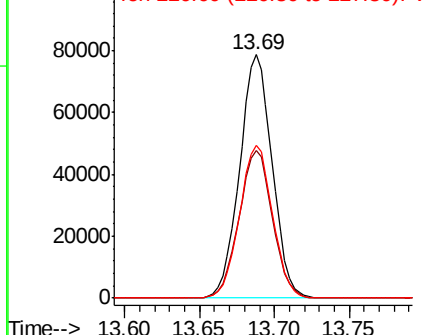
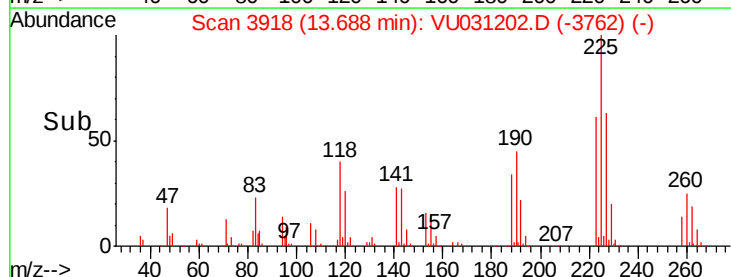


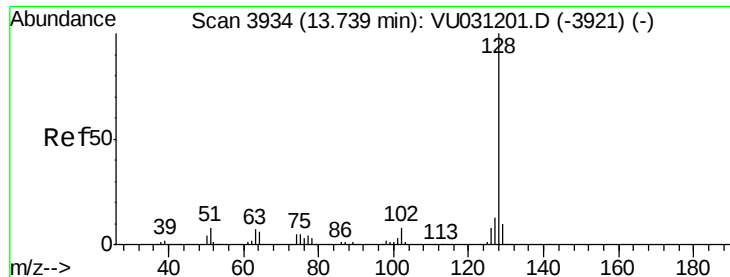
#88
 Hexachlorobutadiene
 Concen: 17.680 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031202.D
 Acq: 15 Apr 2019 22:47

Tgt Ion:225 Resp: 118998
 Ion Ratio Lower Upper
 225 100
 223 62.4 51.4 77.2
 227 63.5 51.2 76.8



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: 20.491 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

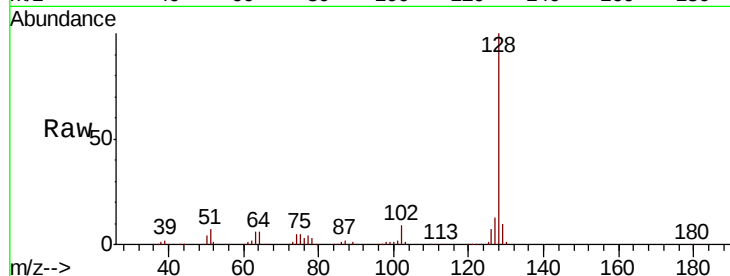
Tgt Ion:128 Resp: 404792

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

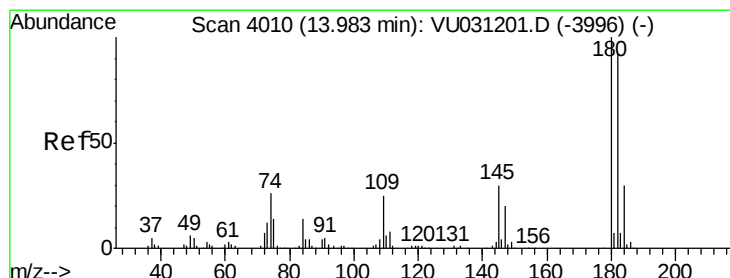
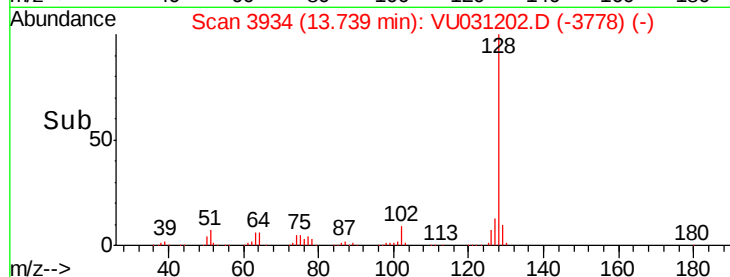
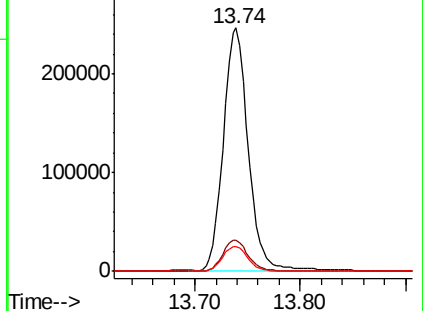
129 10.3 8.3 12.5



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: 18.234 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031202.D

Acq: 15 Apr 2019 22:47

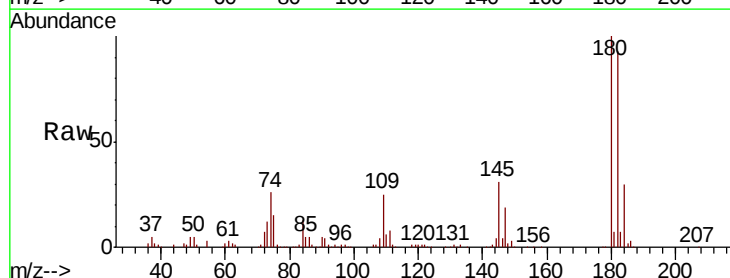
Tgt Ion:180 Resp: 203362

Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

145 31.1 25.3 37.9



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

