

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031203.D
 Acq On : 15 Apr 2019 23:40
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Quant Time: Apr 16 05:02:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	36294	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13606	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12900	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	96158	6.126	ug/l 100
3) Chloromethane	1.33	50	130744	7.894	ug/l 99
4) Vinyl Chloride	1.40	62	136628	8.444	ug/l 99
5) Bromomethane	1.63	94	85904	9.062	ug/l 99
6) Chloroethane	1.70	64	99141	8.873	ug/l 98
7) Trichlorofluoromethane	1.89	101	209014	8.858	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	119914	10.209	ug/l 99
9) 1,1-Dichloroethene	2.29	96	125324	10.681	ug/l 97
10) Iodomethane	2.41	142	170952	10.788	ug/l 100
11) Allyl Chloride	2.59	41	244131	10.600	ug/l 96
12) Acrylonitrile	2.94	53	190774	55.575	ug/l 96
13) Acetone	2.33	43	141165	50.173	ug/l 99
14) Carbon Disulfide	2.48	76	421304	9.721	ug/l 99
15) Methylene Chloride	2.70	84	138718	9.170	ug/l 98
16) trans-1,2-Dichloroethene	2.98	96	136707	10.556	ug/l 97
17) 1,1-Dichloroethane	3.44	63	199590	9.731	ug/l 98
18) 2-Butanone	4.28	43	174539	54.711	ug/l 100
19) Cyclohexane	4.99	56	163748	11.347	ug/l 99
20) Methylcyclohexane	6.41	83	168245	11.497	ug/l 99
21) 2,2-Dichloropropane	4.22	77	160443	10.092	ug/l 98
22) cis-1,2-Dichloroethene	4.22	96	121398	10.751	ug/l 99
23) Diethyl Ether	2.10	59	106820	9.760	ug/l 98
24) tert-Butyl Alcohol	2.87	59	58761	50.409	ug/l # 88
25) Methyl tert-Butyl Ether	3.00	73	357085	10.437	ug/l 100
26) Bromochloromethane	4.54	128	54283	10.546	ug/l 99
27) Chloroform	4.67	83	209602	10.328	ug/l 99
28) 1,1,1-Trichloroethane	4.91	97	182131	10.558	ug/l 99
29) 1,1-Dichloropropene	5.13	75	159709	11.041	ug/l 99
30) Carbon Tetrachloride	5.13	117	160393	10.524	ug/l 99
31) Isopropyl Ether	3.57	45	335829	11.166	ug/l # 1
33) Tert-Amyl methyl ether	5.39	73	7991	0.358	ug/l # 1
34) Propionitrile	4.34	54	106037	120.291	ug/l # 94
35) Benzene	5.38	78	466971	10.846	ug/l 99
36) 1,2-Dichloroethane	5.40	62	143869	10.501	ug/l 99
37) Trichloroethene	6.18	130	119802	9.923	ug/l 99
38) 1,2-Dichloropropane	6.43	63	123514	10.773	ug/l 99
39) Methacrylonitrile	4.55	41	44798	11.283	ug/l 97
40) Methyl acrylate	4.42	55	74193	11.887	ug/l # 98
41) Tetrahydrofuran	4.65	42	120908	59.632	ug/l 98
42) 1-Chlorobutane	5.06	56	230524	11.188	ug/l 100
43) Dibromomethane	6.56	93	64680	10.486	ug/l 99

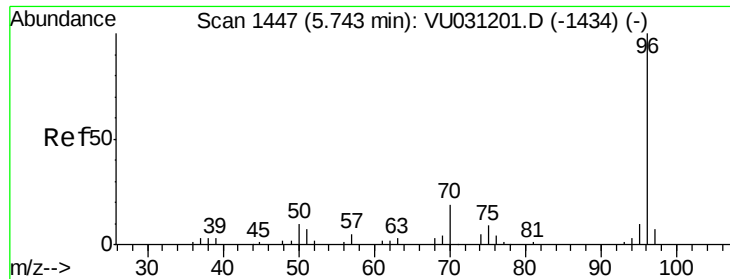
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031203.D
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Quant Time: Apr 16 05:02:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.75	83	160441	10.794	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	425061	58.417	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	114006	41.105	ug/l #	41
47) Methyl methacrylate	6.62	69	60808	11.681	ug/l	99
48) Ethyl methacrylate	8.02	69	118689	10.474	ug/l	96
49) Toluene	7.63	92	278898	11.803	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	150505	11.874	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	173579	11.583	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	91617	11.007	ug/l	99
53) 1,3-Dichloropropane	8.24	76	153471	10.862	ug/l	96
54) 2-Hexanone	8.36	43	296103	60.297	ug/l	98
55) Dibromochloromethane	8.47	129	105859	10.730	ug/l	99
56) 1,2-Dibromoethane	8.58	107	84199	10.885	ug/l	99
58) Tetrachloroethene	8.22	164	111310	10.844	ug/l	98
59) Chlorobenzene	9.12	112	288567	10.996	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.20	131	105611	10.737	ug/l	98
61) Pentachloroethane	11.10	117	81044	10.589	ug/l	94
62) Hexachloroethane	12.14	117	77766	10.512	ug/l	98
63) Ethyl Benzene	9.24	91	517931	12.370	ug/l	100
64) m/p-Xylenes	9.37	106	392010	24.589	ug/l	97
65) o-Xylene	9.77	106	184866	12.115	ug/l	97
66) Styrene	9.79	104	333706	10.831	ug/l	98
67) Bromoform	9.95	173	62458	10.972	ug/l	98
69) Isopropylbenzene	10.16	105	512959	12.541	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	111471	10.326	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	114006	14.606	ug/l #	86
72) Bromobenzene	10.45	156	125021	11.551	ug/l	98
73) n-propylbenzene	10.59	120	135506	12.405	ug/l	97
74) 2-Chlorotoluene	10.66	126	119610	11.874	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	442576	12.783	ug/l	99
76) 4-Chlorotoluene	10.77	126	125750	12.391	ug/l	99
77) tert-Butylbenzene	11.10	119	399185	11.784	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	442405	12.676	ug/l	99
79) sec-Butylbenzene	11.32	105	513724	11.272	ug/l	100
80) Nitrobenzene	12.87	77	3438	12.195	ug/l #	75
81) p-Isopropyltoluene	11.47	119	459324	12.548	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	232056	10.855	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	237479	11.470	ug/l	99
84) n-Butylbenzene	11.89	91	444654	12.570	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	219134	10.932	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	18264	11.755	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	159536	13.021	ug/l	99
88) Hexachlorobutadiene	13.69	225	88792	10.849	ug/l	99
89) Naphthalene	13.74	128	307141	11.185	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	151934	12.386	ug/l	100

(#) = 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: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tgt Ion: 96 Resp: 36294

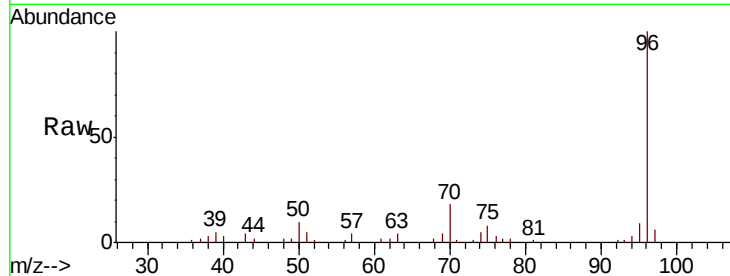
Ion Ratio Lower Upper

96 100

70 18.8 18.4 27.6

95 9.3 7.6 11.4

97 0.0 0.0 0.0

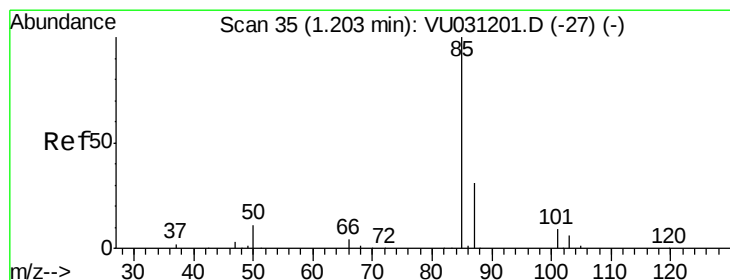
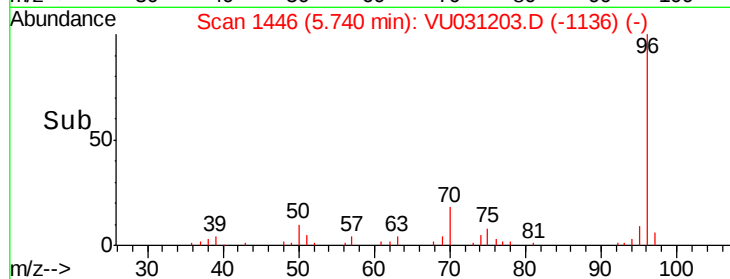
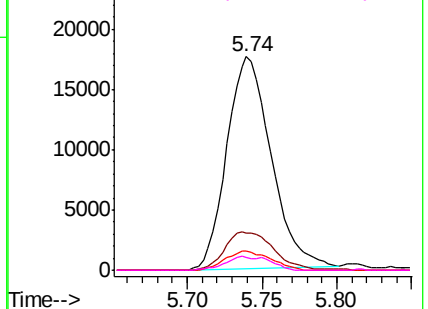


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 6.126 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031203.D

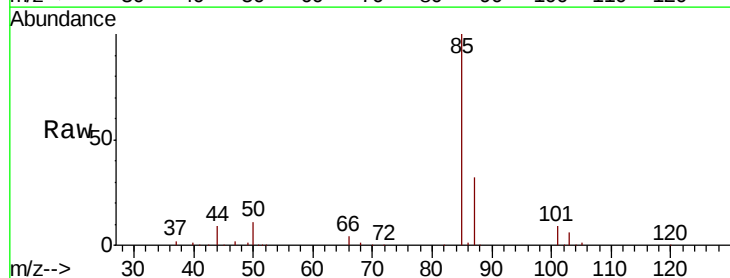
Acq: 15 Apr 2019 23:40

Tgt Ion: 85 Resp: 96158

Ion Ratio Lower Upper

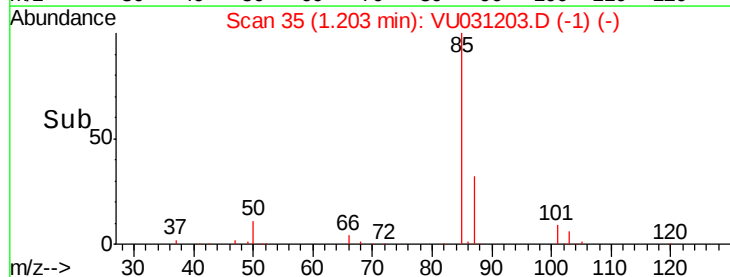
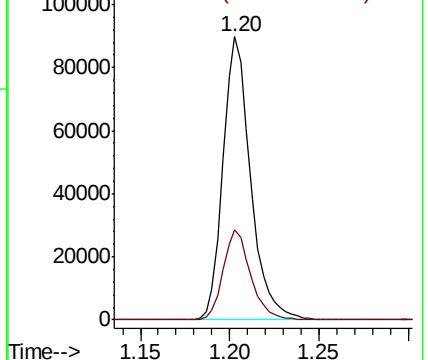
85 100

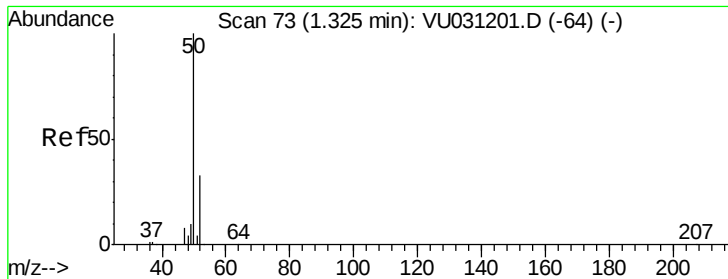
87 31.6 15.8 47.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 7.894 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

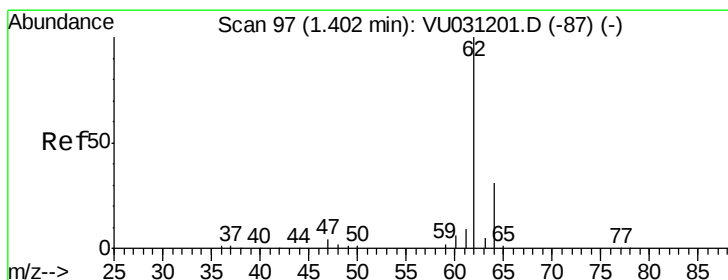
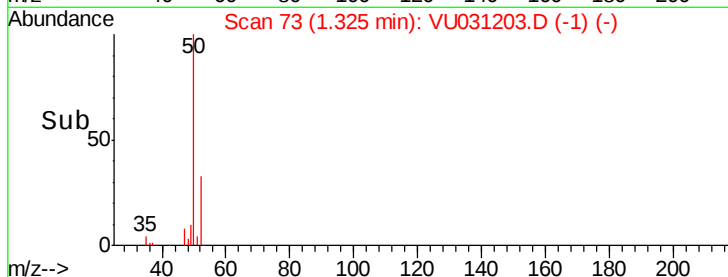
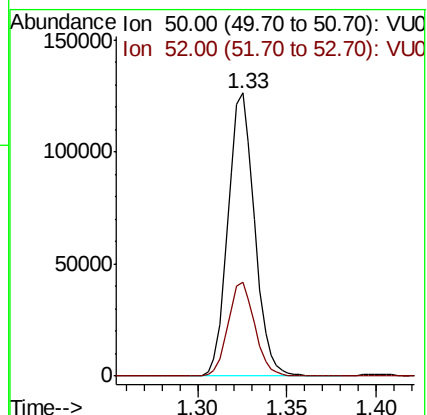
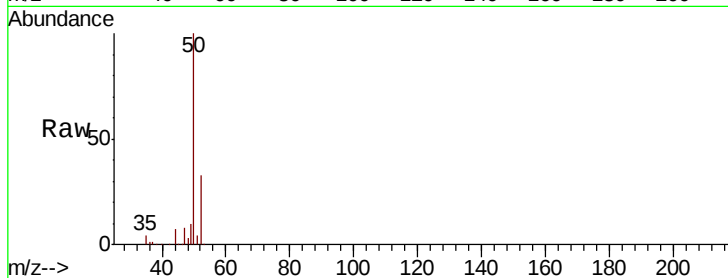
ICVVU041519

Tgt Ion: 50 Resp: 130744

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.2



#4

Vinyl Chloride

Concen: 8.444 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031203.D

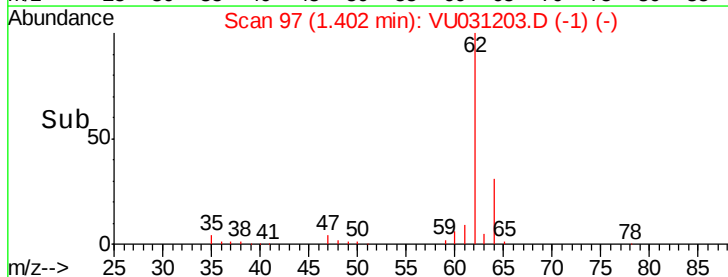
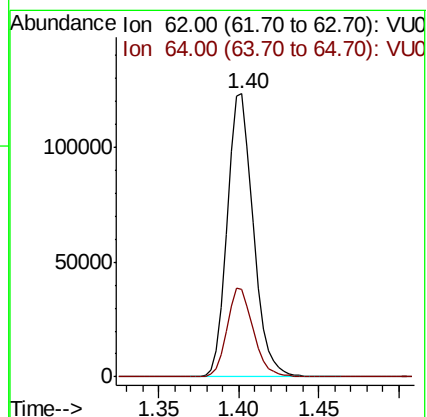
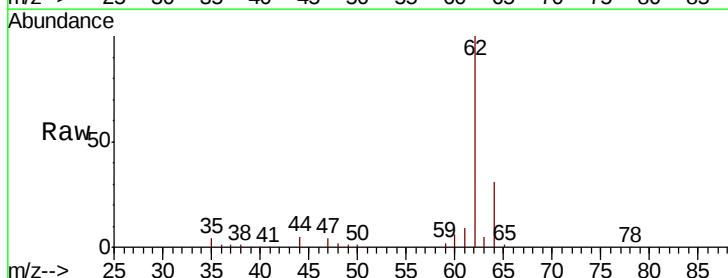
Acq: 15 Apr 2019 23:40

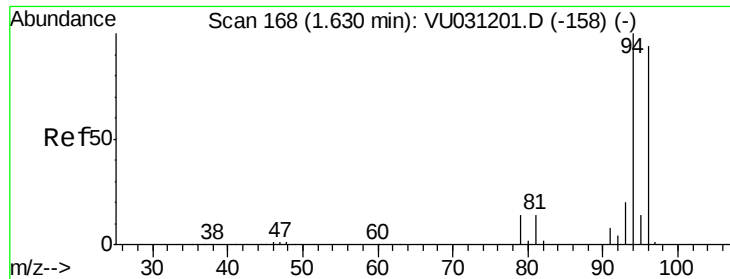
Tgt Ion: 62 Resp: 136628

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.6





#5

Bromomethane

Concen: 9.062 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

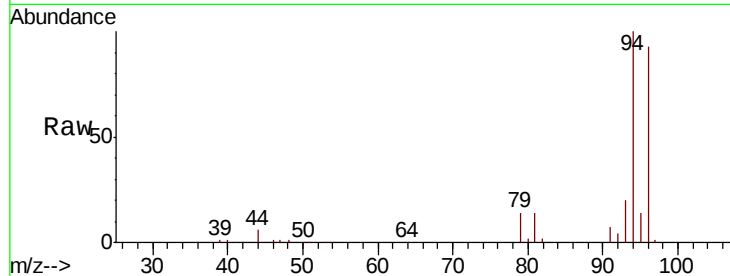
ICVVU041519

Tgt Ion: 94 Resp: 85904

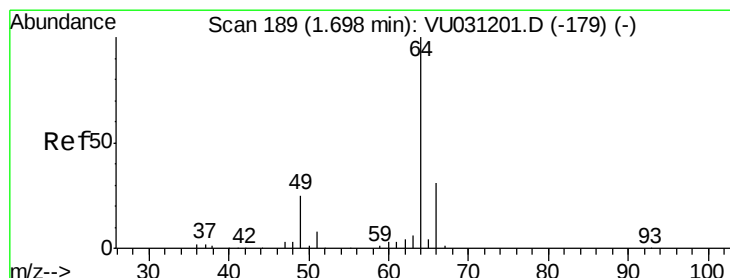
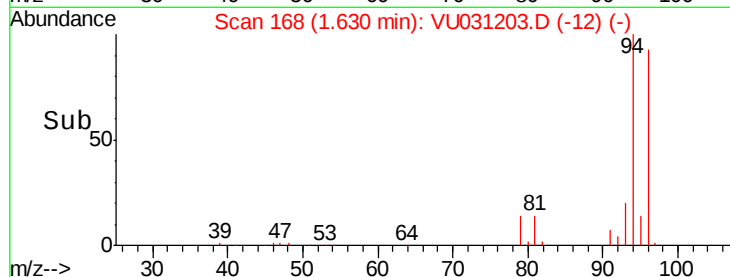
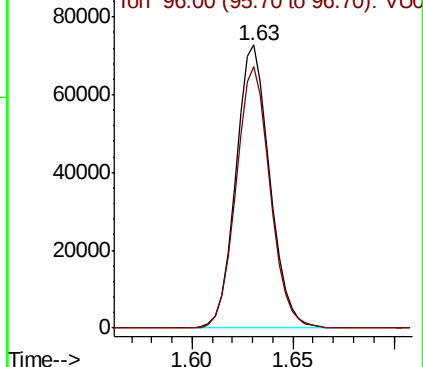
Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VU031203.D (-12) (-)



#6

Chloroethane

Concen: 8.873 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031203.D

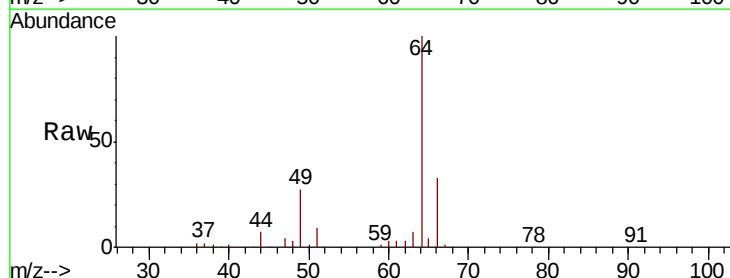
Acq: 15 Apr 2019 23:40

Tgt Ion: 64 Resp: 99141

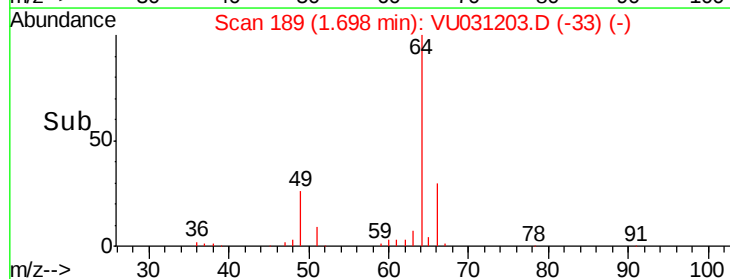
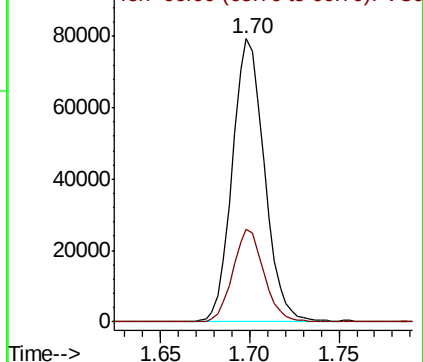
Ion Ratio Lower Upper

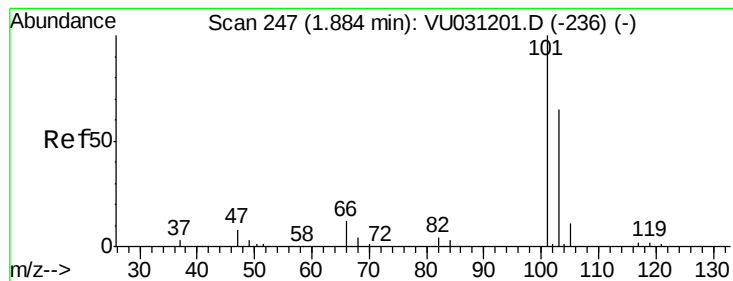
64 100

66 32.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031203.D (-33) (-)





#7

Trichlorofluoromethane

Concen: 8.858 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

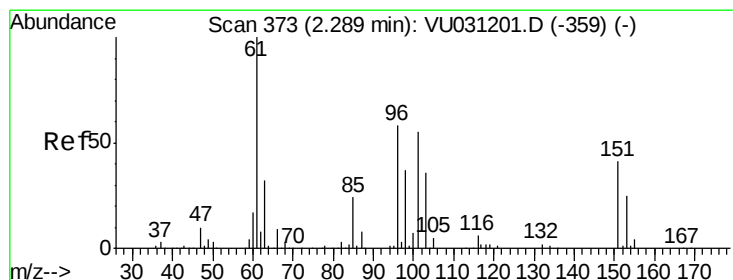
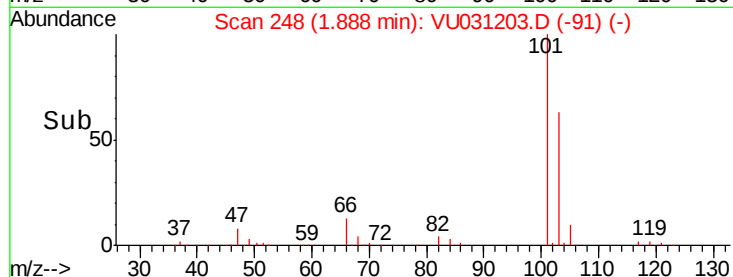
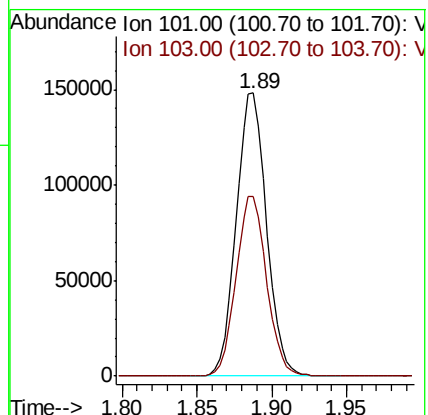
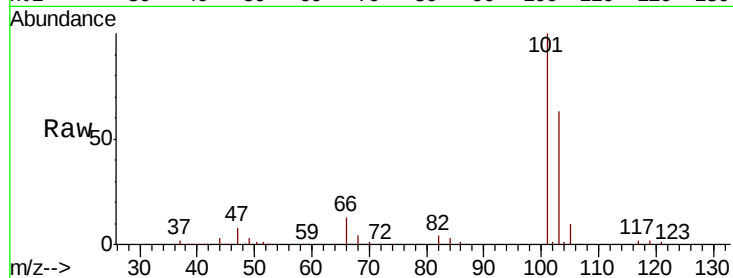
ICVVU041519

Tgt Ion:101 Resp: 209014

Ion Ratio Lower Upper

101 100

103 63.5 51.8 77.8



#8

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

Concen: 10.209 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

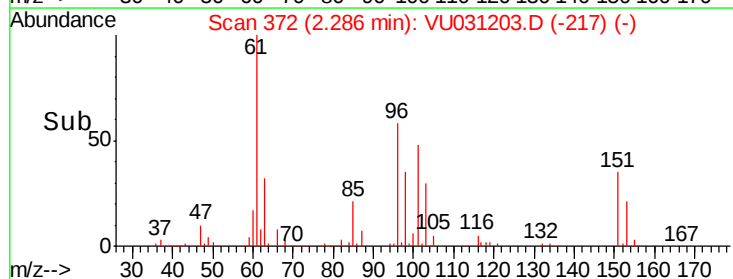
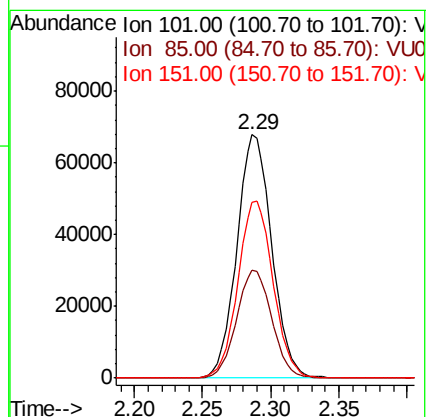
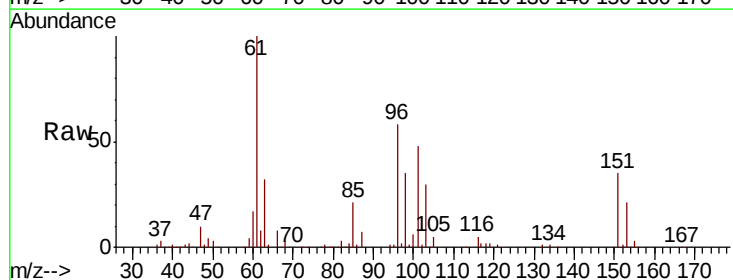
Tgt Ion:101 Resp: 119914

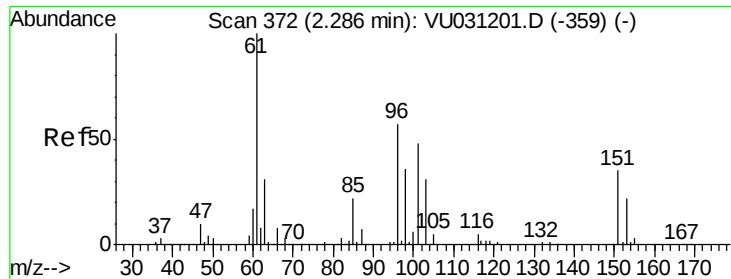
Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

151 73.8 58.2 87.2





#9

1,1-Dichloroethene

Concen: 10.681 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

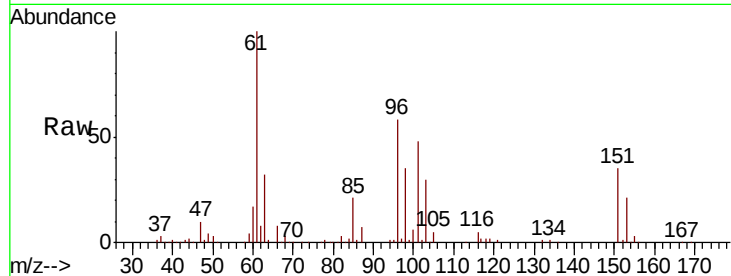
Tgt Ion: 96 Resp: 125324

Ion Ratio Lower Upper

96 100

61 172.8 0.0 527.7

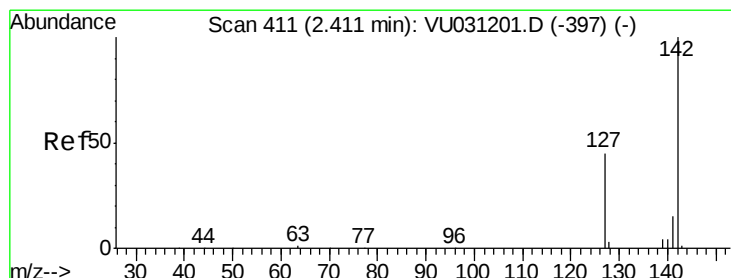
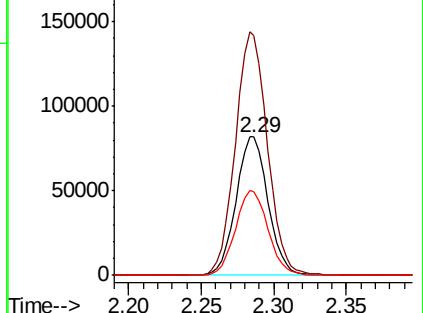
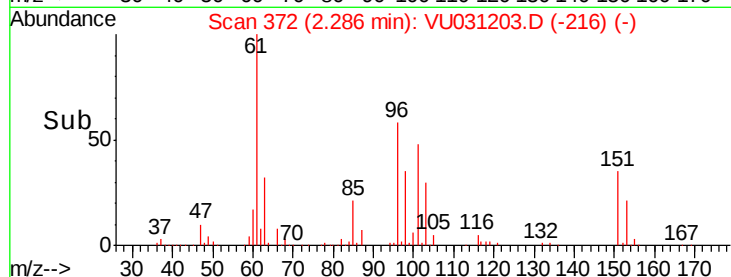
98 60.5 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU031203.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU031203.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU031203.D (-216) (-)



#10

Iodomethane

Concen: 10.788 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU031203.D

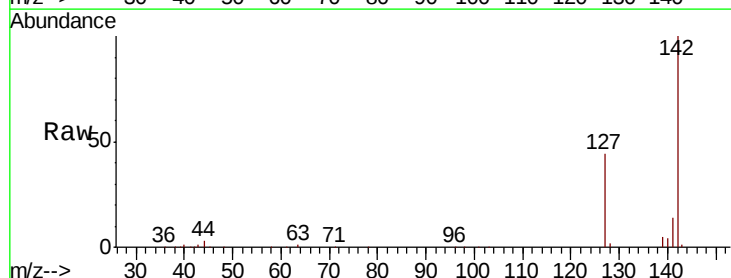
Acq: 15 Apr 2019 23:40

Tgt Ion: 142 Resp: 170952

Ion Ratio Lower Upper

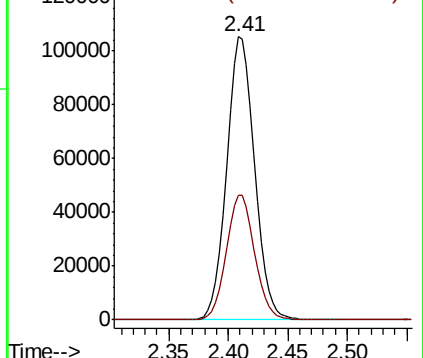
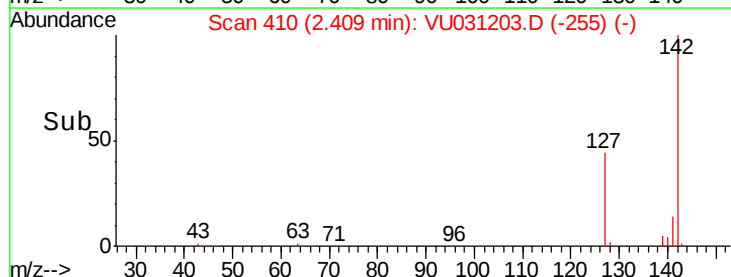
142 100

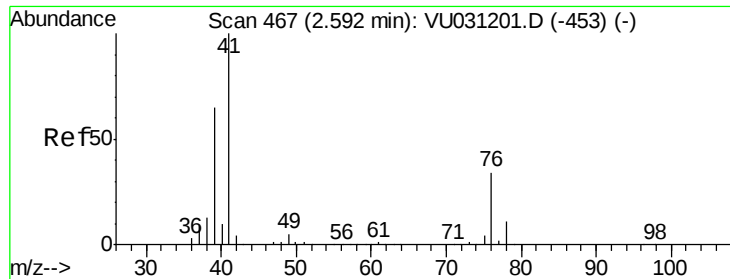
127 44.8 35.9 53.9



Abundance Ion 142.00 (141.70 to 142.70): VU031203.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU031203.D (-255) (-)

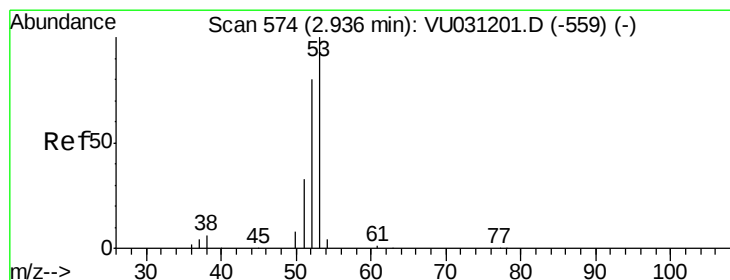
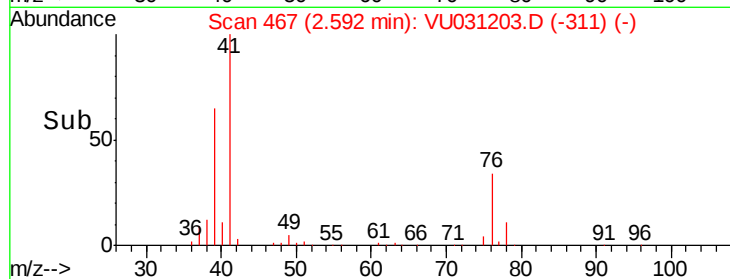
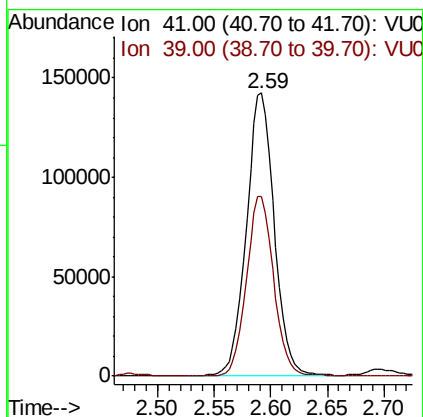
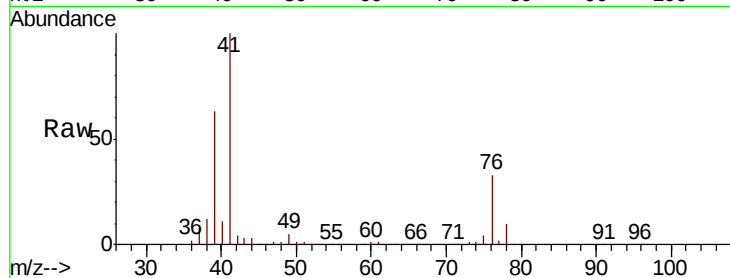




#11
 Allyl Chloride
 Concen: 10.600 ug/l
 RT: 2.59 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

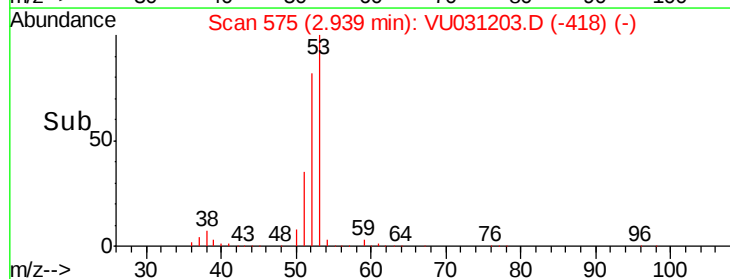
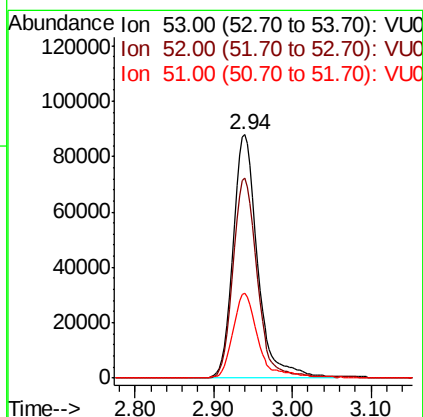
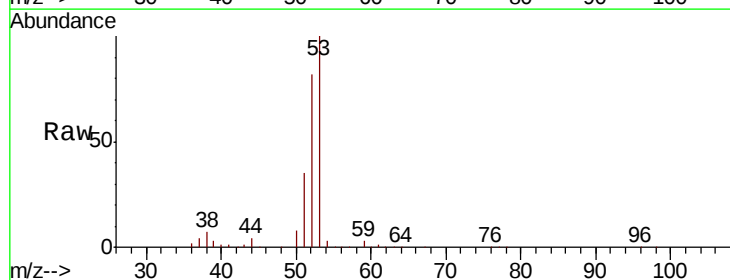
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

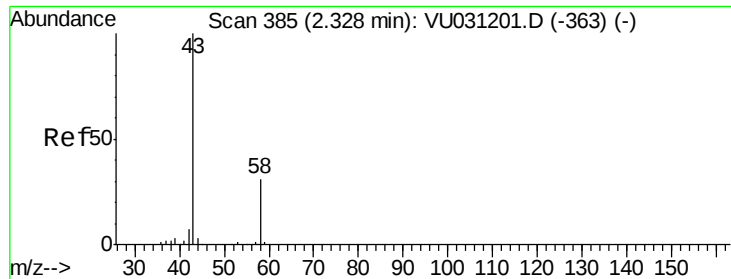
Tgt Ion: 41 Resp: 244131
 Ion Ratio Lower Upper
 41 100
 39 61.7 51.9 77.9



#12
 Acrylonitrile
 Concen: 55.575 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 53 Resp: 190774
 Ion Ratio Lower Upper
 53 100
 52 81.3 67.8 101.8
 51 35.4 26.9 40.3





#13

Acetone

Concen: 50.173 ug/l

RT: 2.33 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

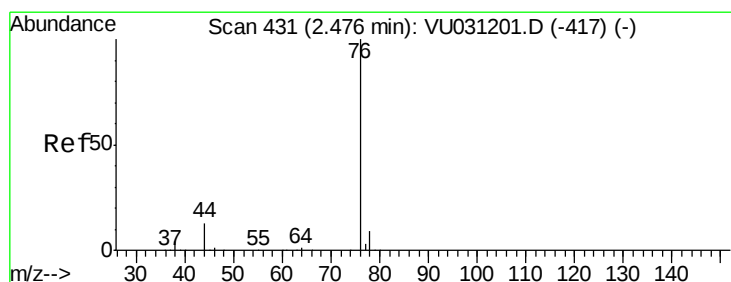
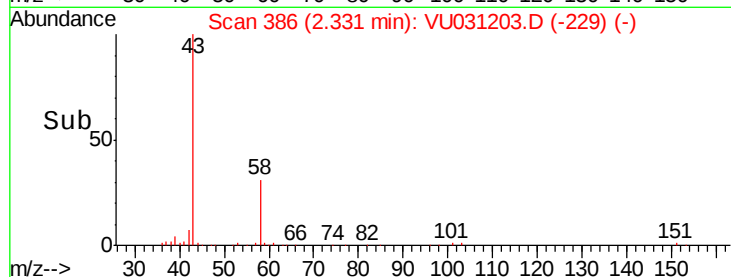
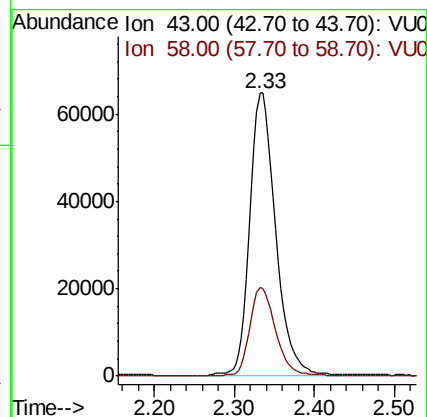
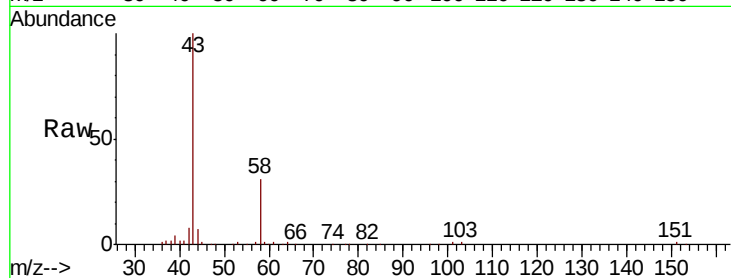
ICVVU041519

Tgt Ion: 43 Resp: 141165

Ion Ratio Lower Upper

43 100

58 31.2 24.7 37.1



#14

Carbon Disulfide

Concen: 9.721 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031203.D

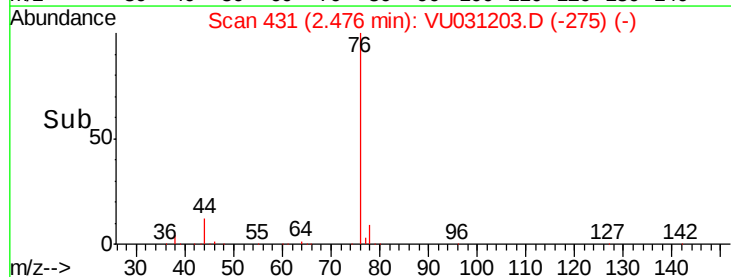
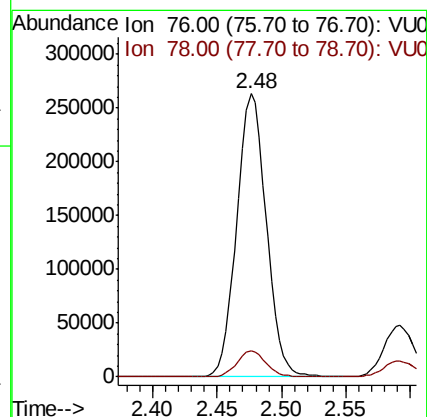
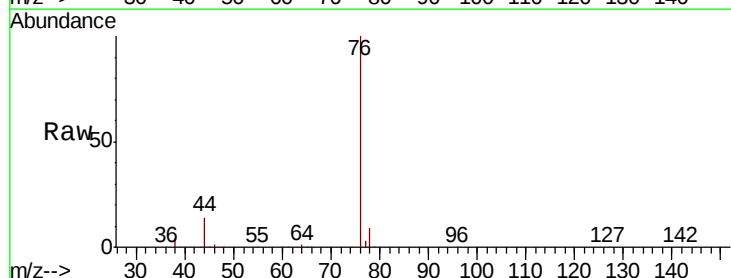
Acq: 15 Apr 2019 23:40

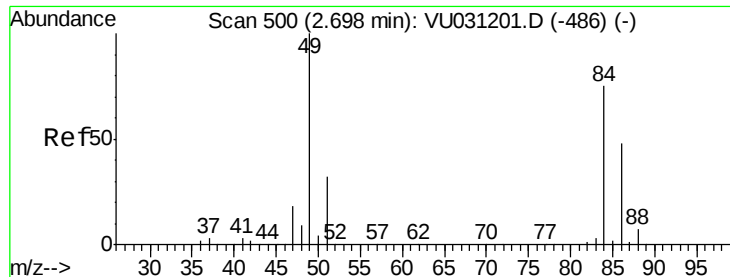
Tgt Ion: 76 Resp: 421304

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

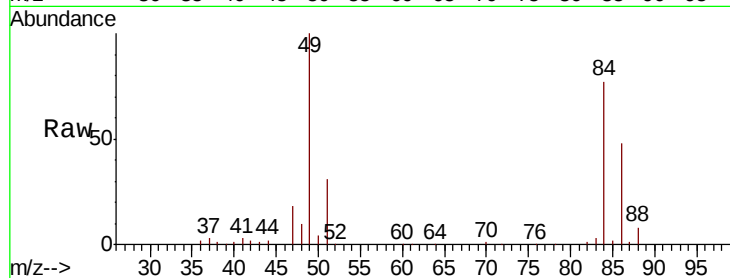




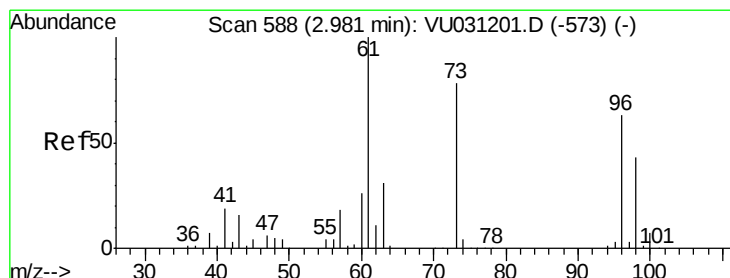
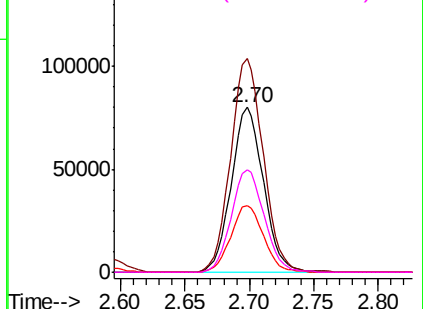
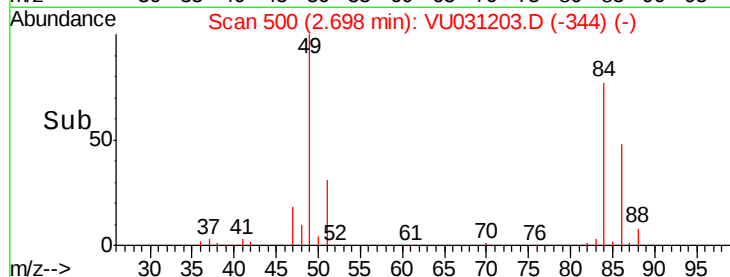
#15
Methylene Chloride
Concen: 9.170 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

Tgt Ion: 84 Resp: 138718
Ion Ratio Lower Upper
84 100
49 129.6 106.1 159.1
51 40.6 0.0 84.2
86 62.4 50.5 75.7

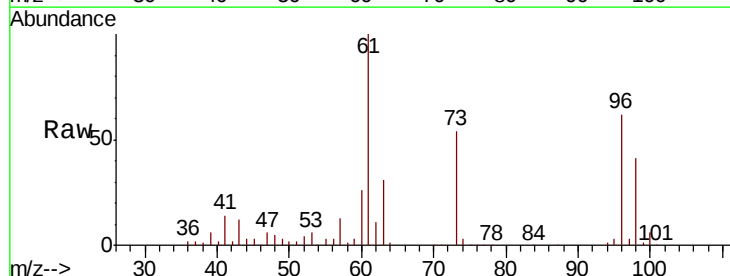


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

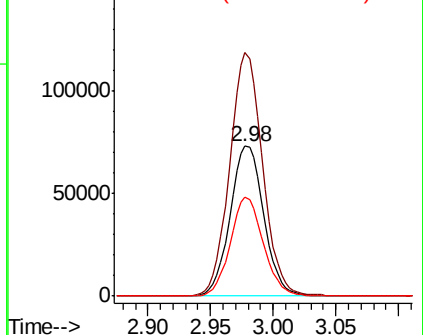
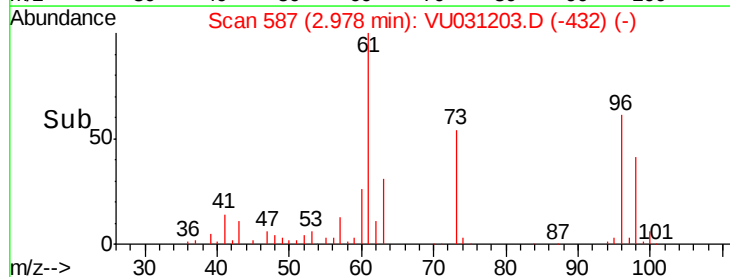


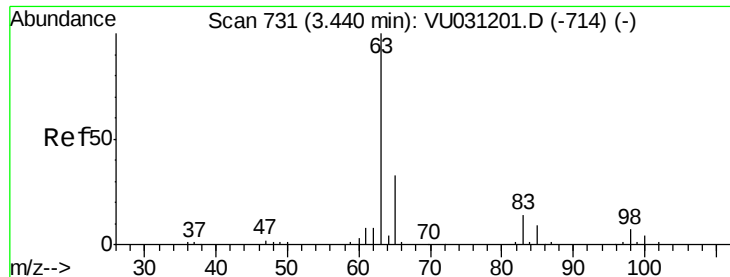
#16
trans-1,2-Dichloroethene
Concen: 10.556 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 96 Resp: 136707
Ion Ratio Lower Upper
96 100
61 162.3 126.6 189.8
98 66.3 53.9 80.9



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

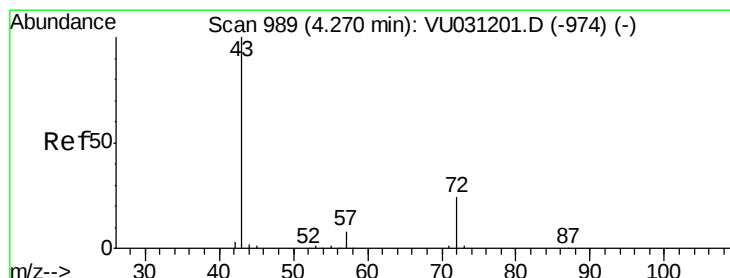
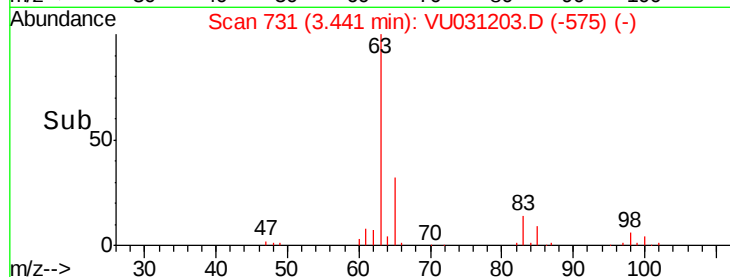
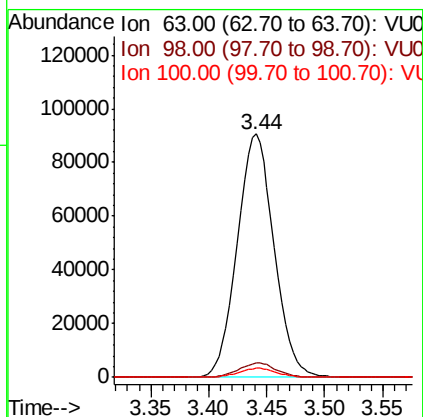
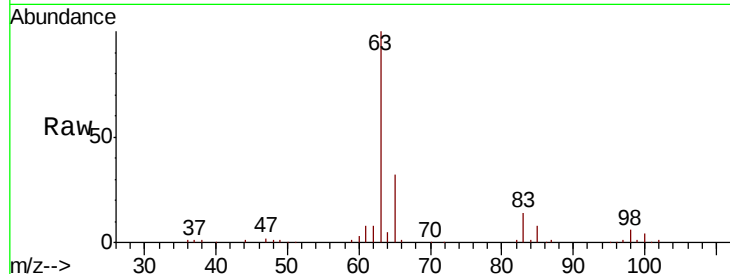




#17
 1,1-Dichloroethane
 Concen: 9.731 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

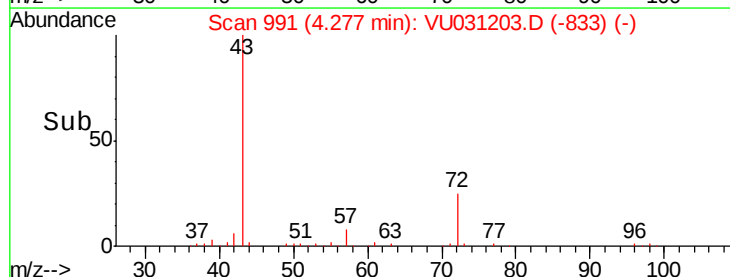
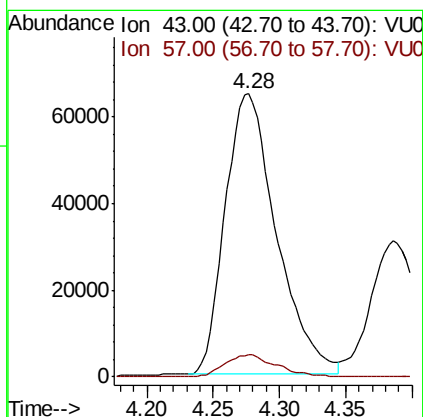
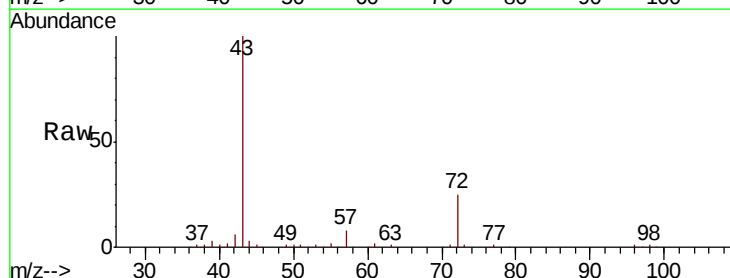
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

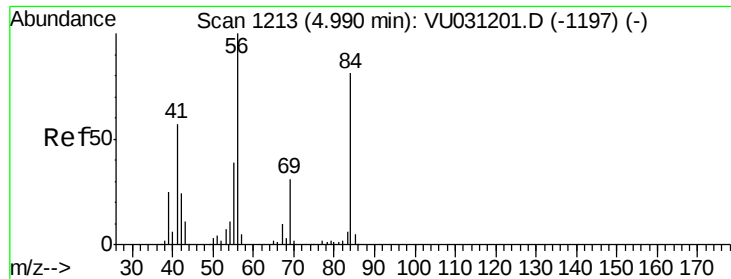
Tgt Ion: 63 Resp: 199590
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.3 9.8
 100 3.6 2.0 5.8



#18
 2-Butanone
 Concen: 54.711 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 43 Resp: 174539
 Ion Ratio Lower Upper
 43 100
 57 7.9 0.0 16.2

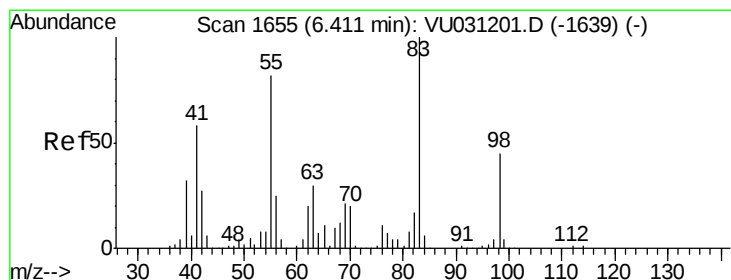
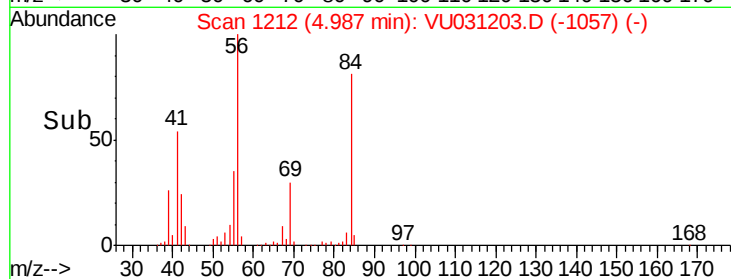
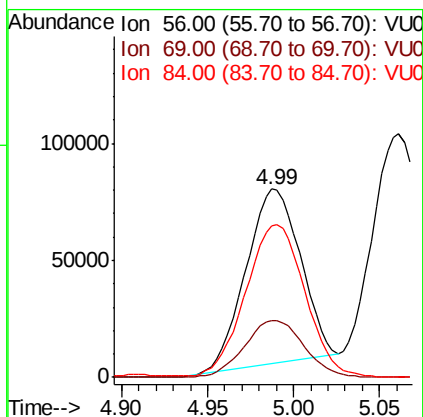
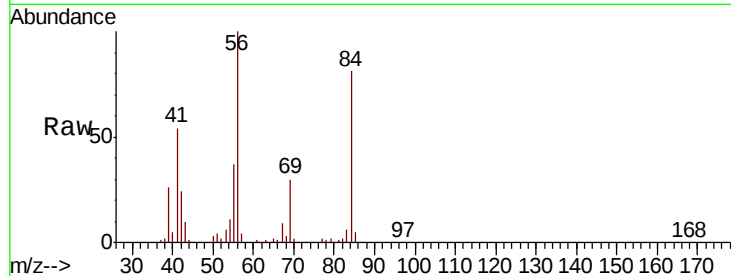




#19
Cyclohexane
Concen: 11.347 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

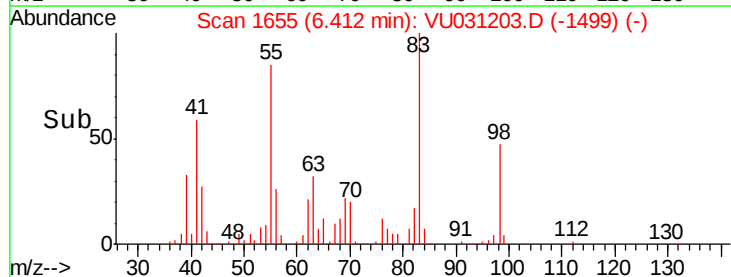
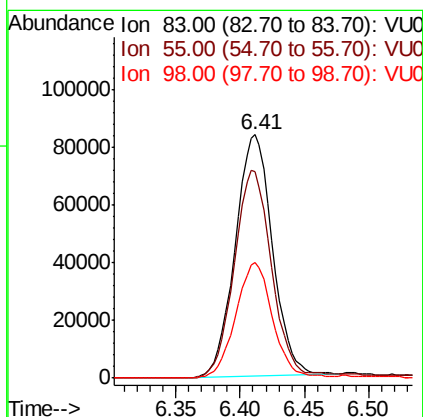
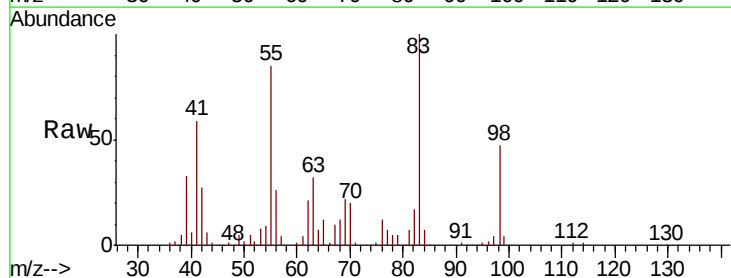
Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

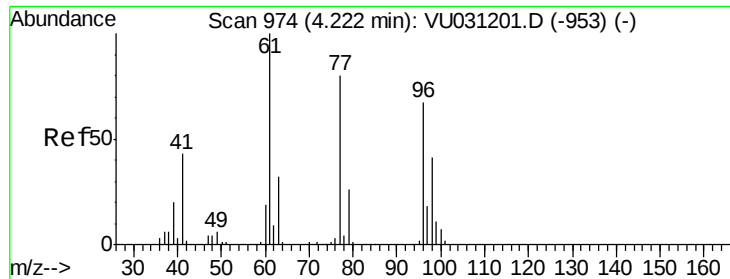
Tgt Ion: 56 Resp: 163748
Ion Ratio Lower Upper
56 100
69 36.0 28.3 42.5
84 94.4 75.2 112.8



#20
Methylcyclohexane
Concen: 11.497 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 83 Resp: 168245
Ion Ratio Lower Upper
83 100
55 84.6 68.2 102.2
98 46.2 35.8 53.8

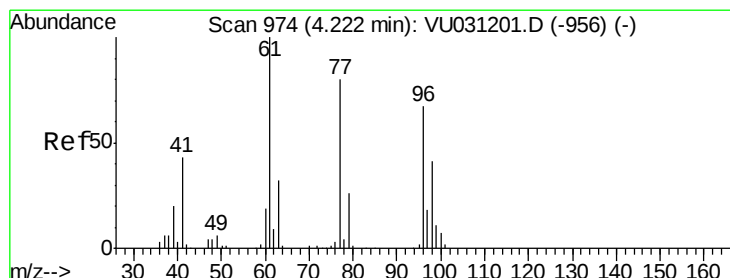
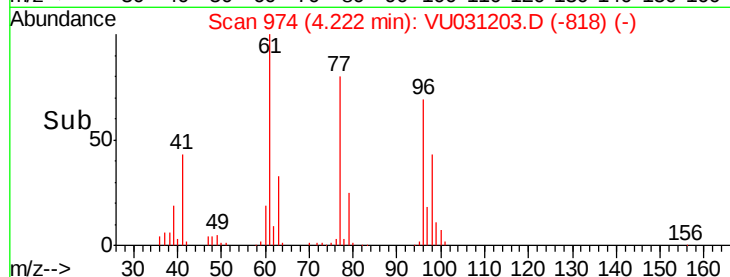
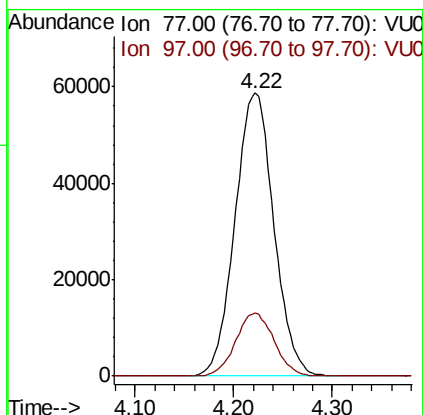
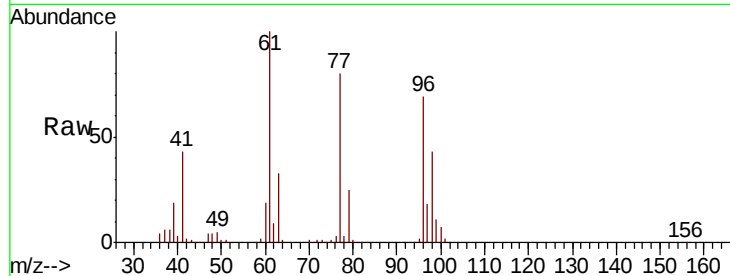




#21
 2,2-Dichloropropane
 Concen: 10.092 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

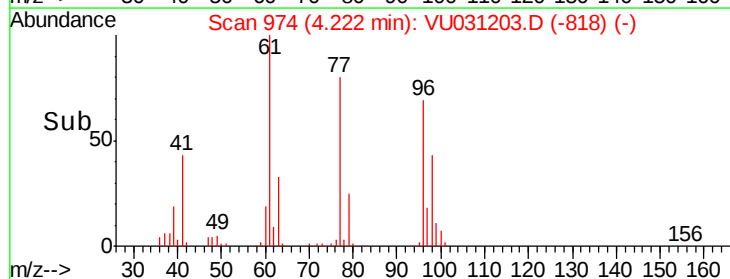
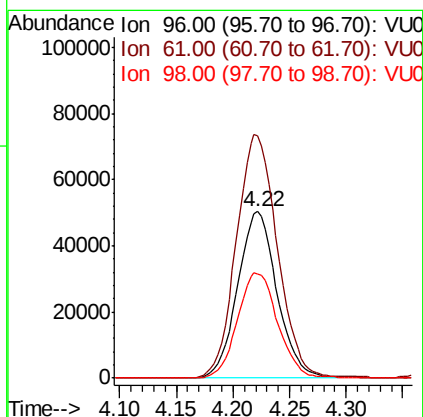
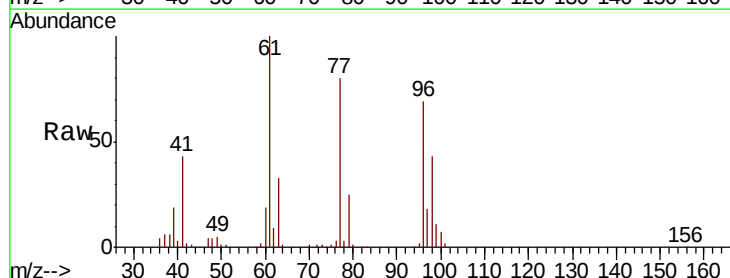
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

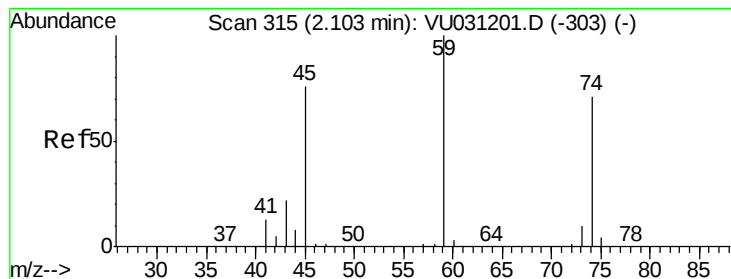
Tgt Ion: 77 Resp: 160443
 Ion Ratio Lower Upper
 77 100
 97 22.0 18.2 27.2



#22
 cis-1,2-Dichloroethene
 Concen: 10.751 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 96 Resp: 121398
 Ion Ratio Lower Upper
 96 100
 61 152.6 0.0 380.0
 98 65.1 32.3 96.9





#23

Diethyl Ether

Concen: 9.760 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

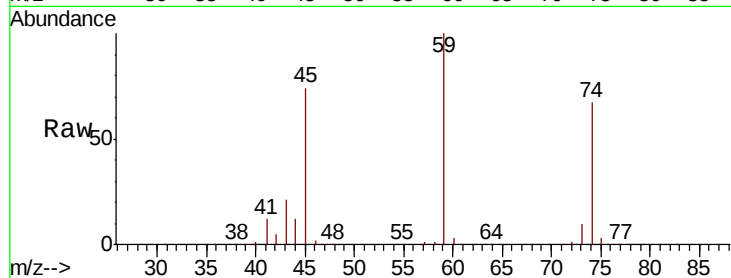
Tgt Ion: 59 Resp: 106820

Ion Ratio Lower Upper

59 100

45 76.1 61.8 92.6

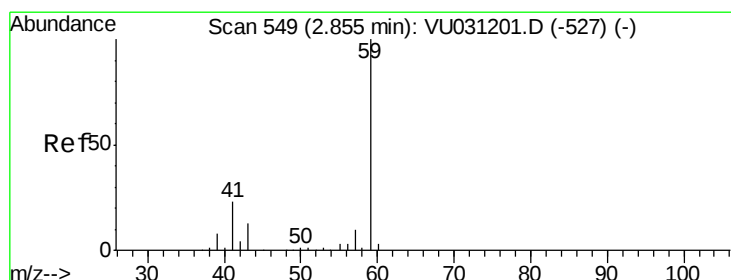
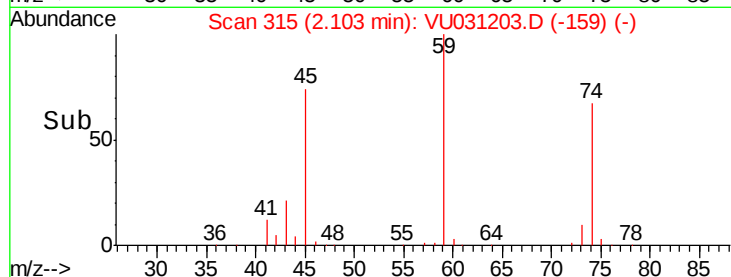
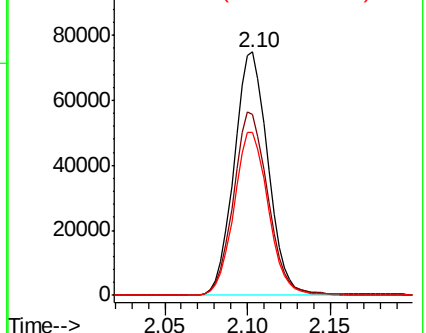
74 68.0 55.8 83.8



Abundance Ion 59.00 (58.70 to 59.70): VU031203.D (-159) (-)

Ion 45.00 (44.70 to 45.70): VU031203.D (-159) (-)

Ion 74.00 (73.70 to 74.70): VU031203.D (-159) (-)



#24

tert-Butyl Alcohol

Concen: 50.409 ug/l

RT: 2.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VU031203.D

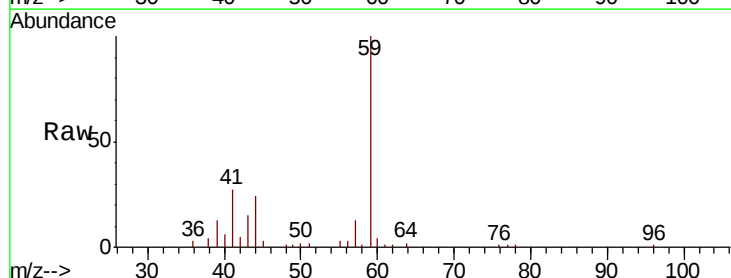
Acq: 15 Apr 2019 23:40

Tgt Ion: 59 Resp: 58761

Ion Ratio Lower Upper

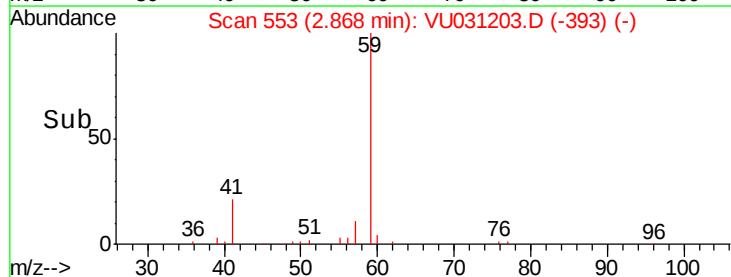
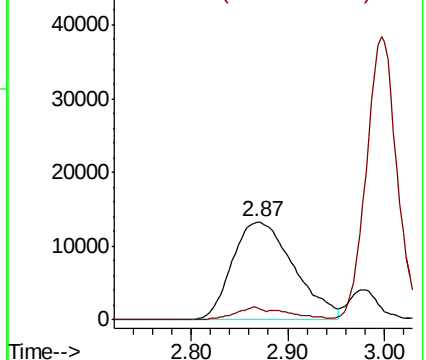
59 100

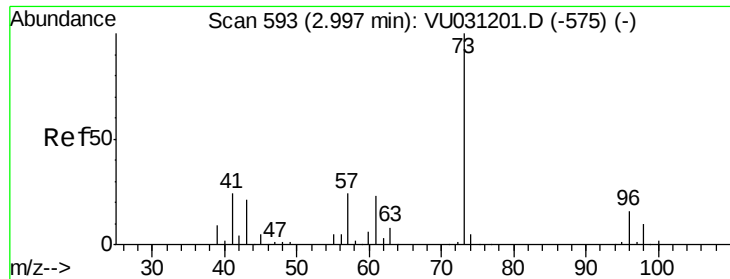
57 6.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU031203.D (-393) (-)

Ion 57.00 (56.70 to 57.70): VU031203.D (-393) (-)



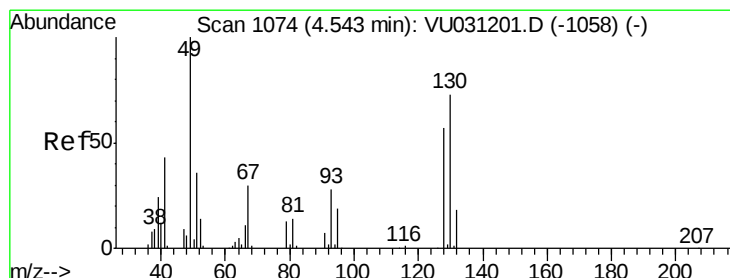
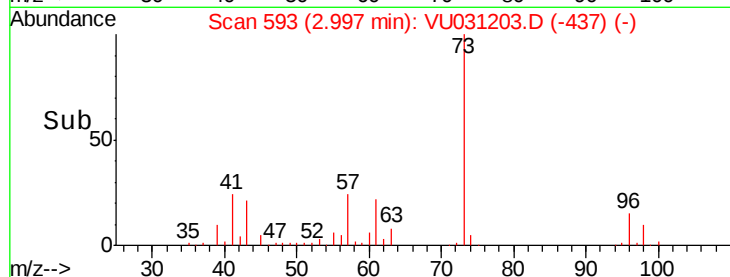
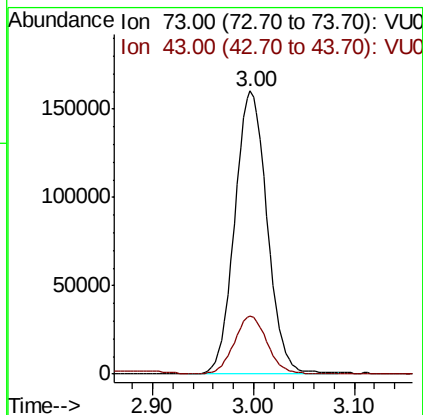
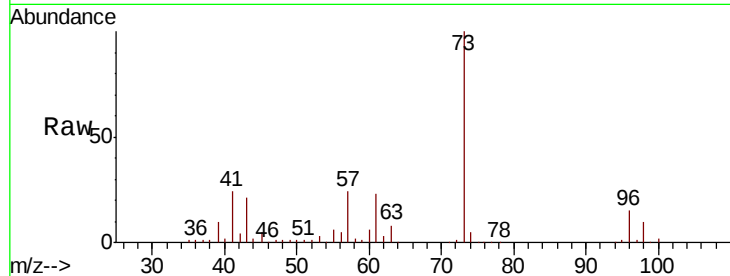


#25

Methyl tert-Butyl Ether
Concen: 10.437 ug/l
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

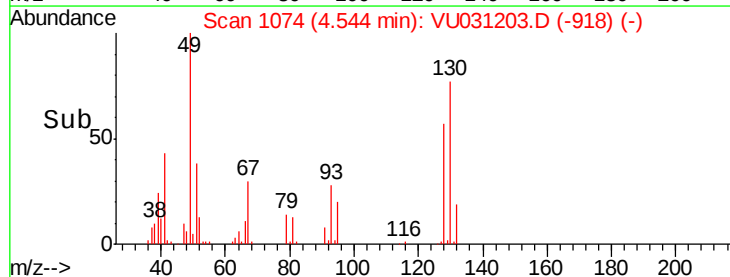
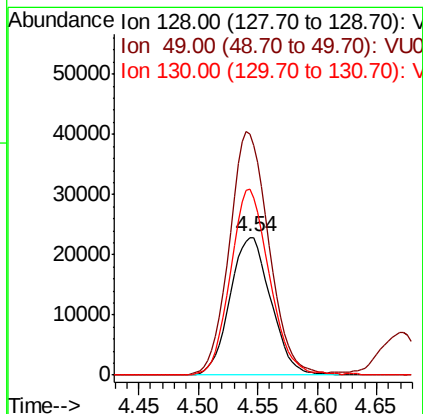
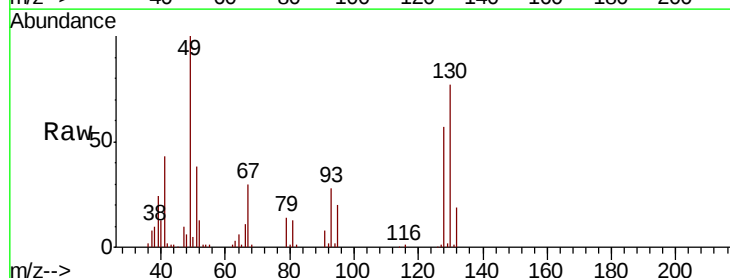
Tgt Ion: 73 Resp: 357085
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4

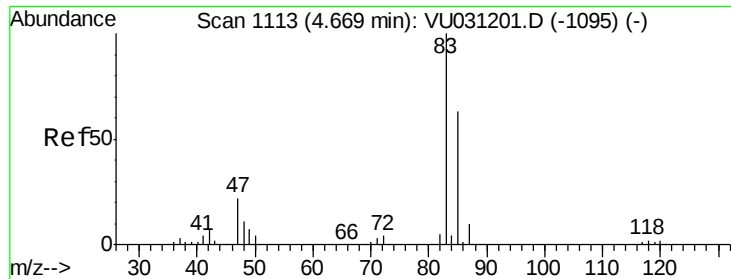


#26

Bromochloromethane
Concen: 10.546 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 128 Resp: 54283
Ion Ratio Lower Upper
128 100
49 171.5 0.0 345.8
130 129.2 103.4 155.2

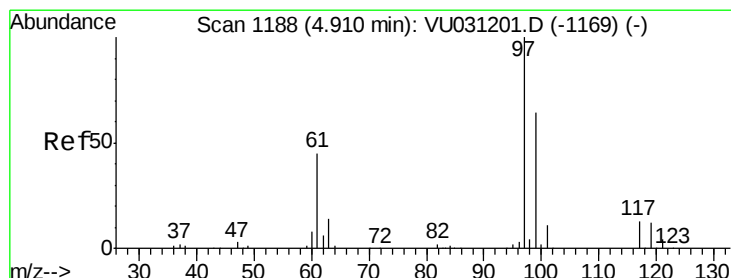
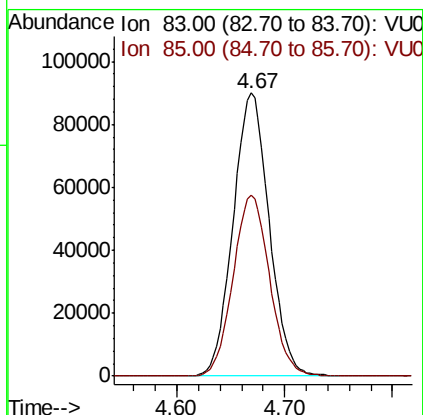
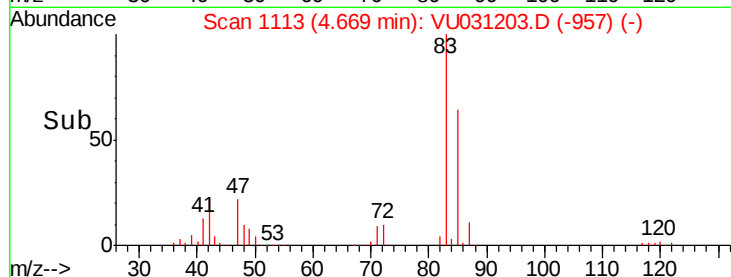
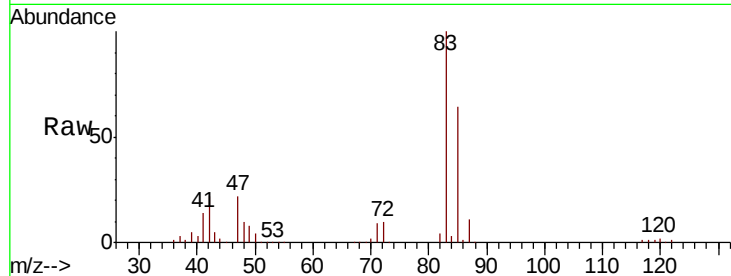




#27
Chloroform
Concen: 10.328 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

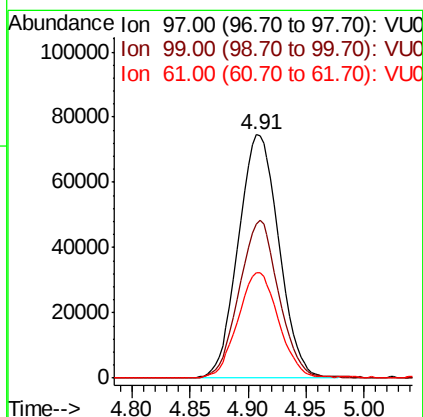
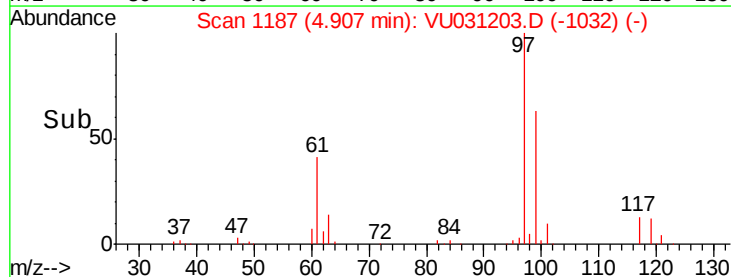
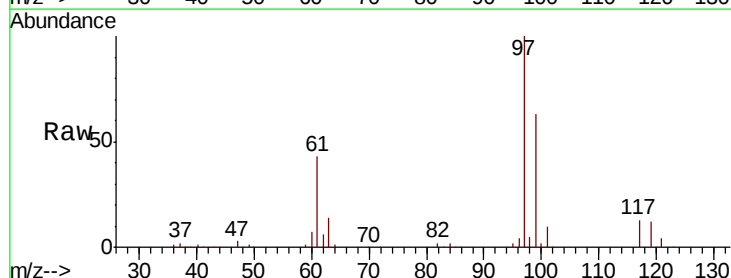
Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

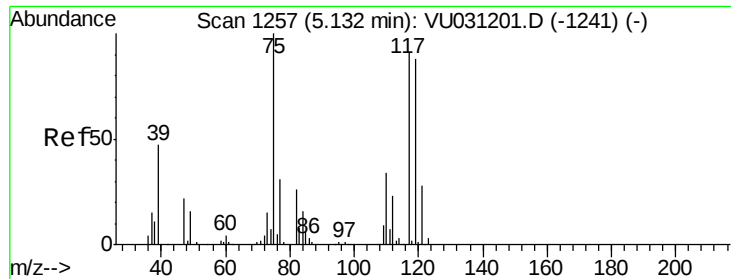
Tgt Ion: 83 Resp: 209602
Ion Ratio Lower Upper
83 100
85 63.8 0.0 126.6



#28
1,1,1-Trichloroethane
Concen: 10.558 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 97 Resp: 182131
Ion Ratio Lower Upper
97 100
99 63.5 32.0 96.0
61 43.7 22.2 66.6

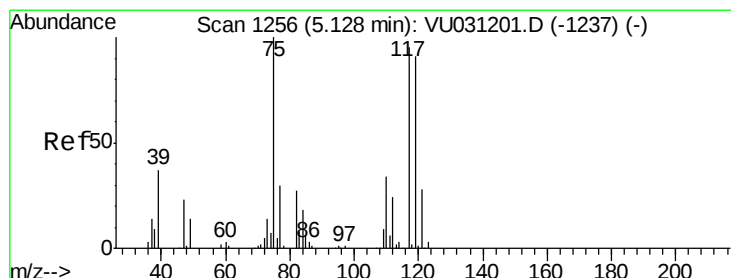
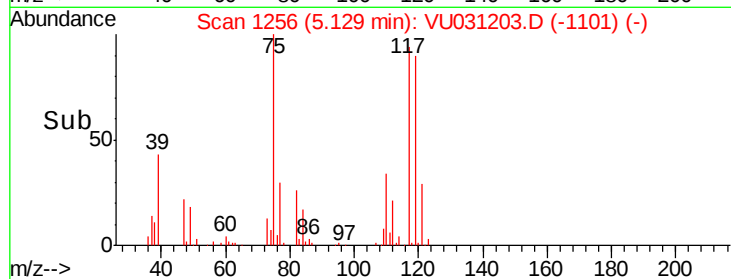
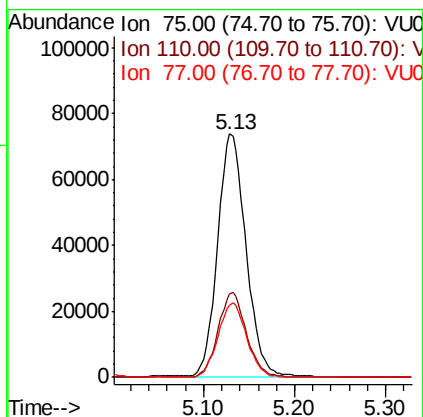
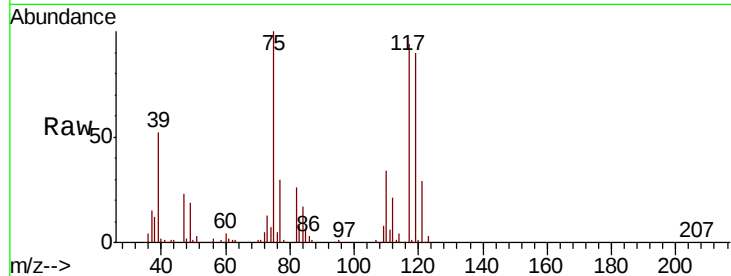




#29
 1,1-Dichloropropene
 Concen: 11.041 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

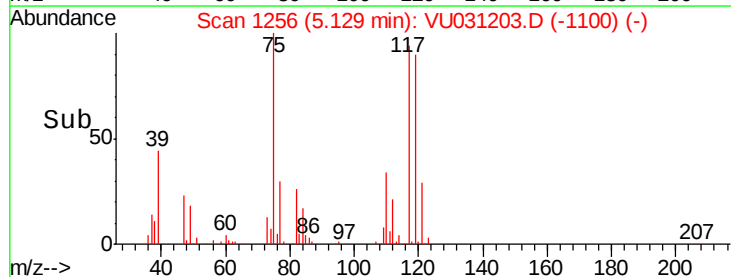
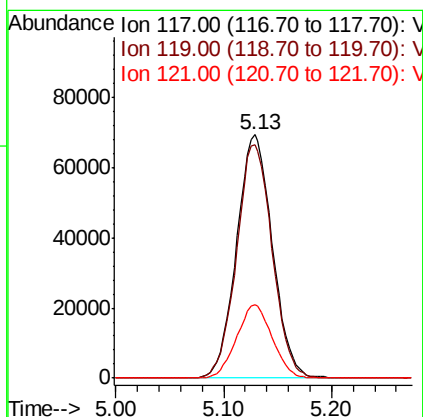
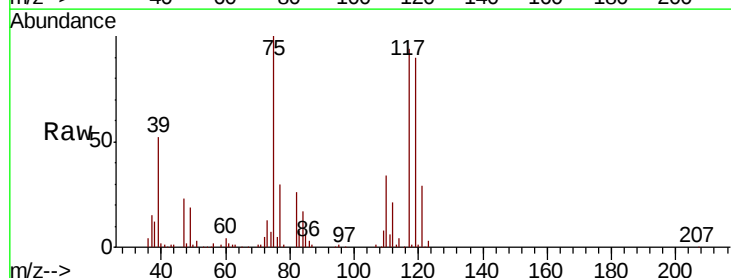
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

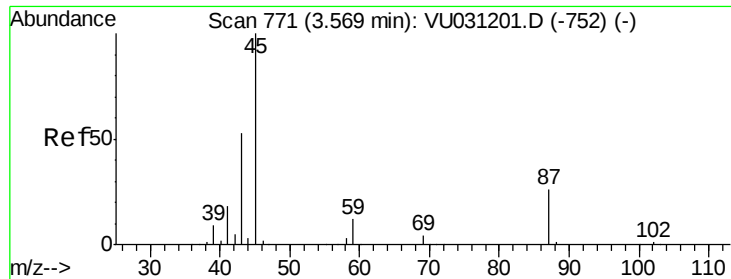
Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.5
77	31.1	24.9	37.3



#30
 Carbon Tetrachloride
 Concen: 10.524 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.4
121	30.4	23.8	35.8





#31

Isopropyl Ether

Concen: 11.166 ug/l

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

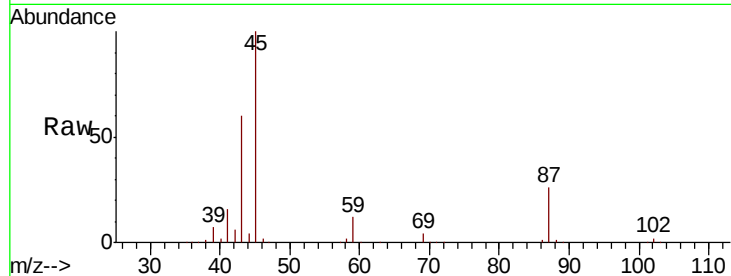
ICVVU041519

Tgt Ion: 45 Resp: 335829

Ion Ratio Lower Upper

45 100

43 304.2 26.4 79.2#



Abundance Ion 45.00 (44.70 to 45.70): VU031201.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU031201.D (-752) (-)

400000

300000

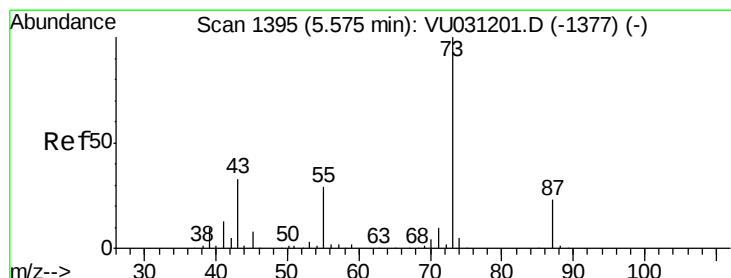
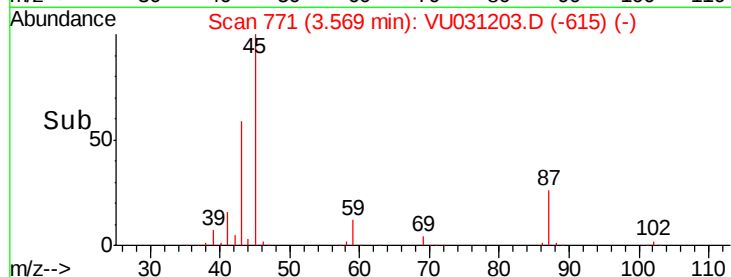
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#33

Tert-Amyl methyl ether

Concen: 0.358 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. -0.19 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

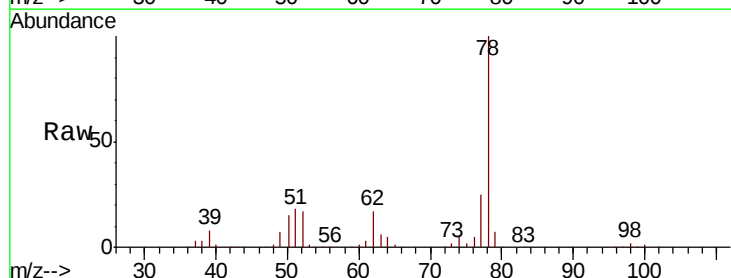
Tgt Ion: 73 Resp: 7991

Ion Ratio Lower Upper

73 100

87 236.2 18.4 27.6#

71 0.0 8.8 13.2#



Abundance Ion 73.00 (72.70 to 73.70): VU031201.D (-1377) (-)

Ion 87.00 (86.70 to 87.70): VU031201.D (-1377) (-)

Ion 71.00 (70.70 to 71.70): VU031201.D (-1377) (-)

5000

4000

3000

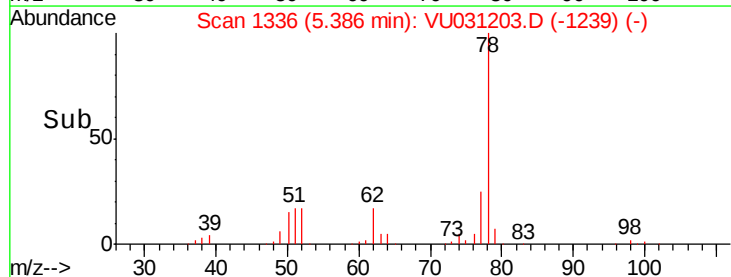
2000

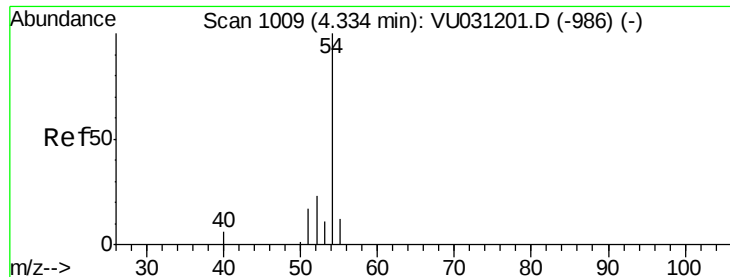
1000

0

5.35 5.40 5.45

Time-->





#34

Propionitrile

Concen: 120.291 ug/l

RT: 4.34 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tgt Ion: 54 Resp: 106037

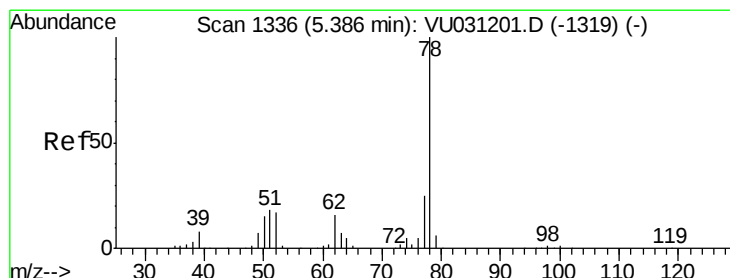
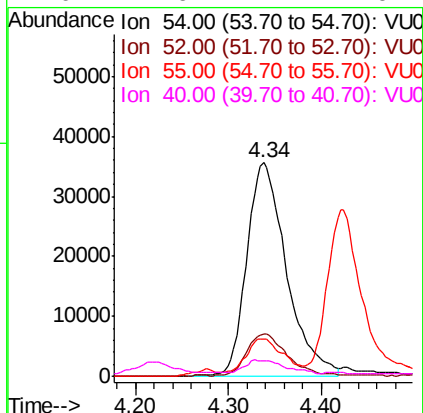
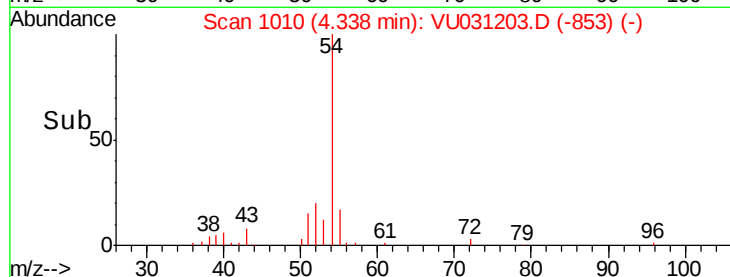
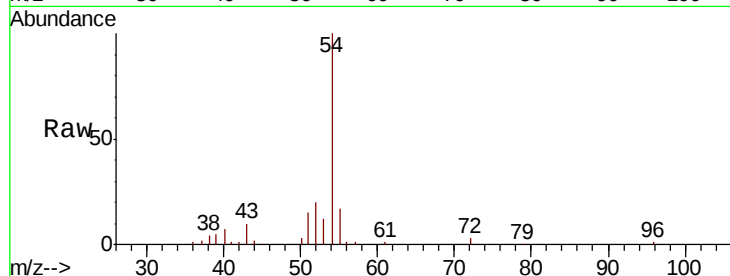
Ion Ratio Lower Upper

54 100

52 20.1 15.9 23.9

55 16.7 8.9 13.3#

40 2.6 4.1 6.1#



#35

Benzene

Concen: 10.846 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031203.D

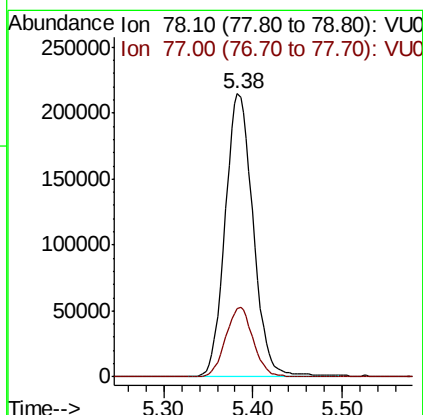
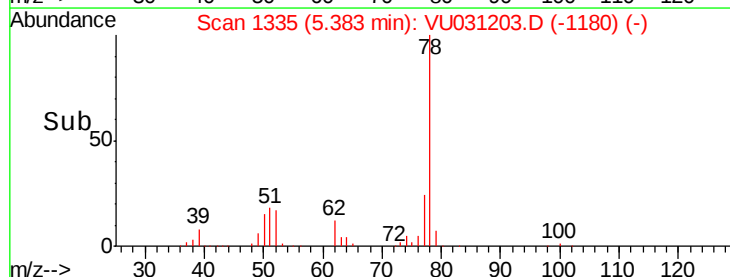
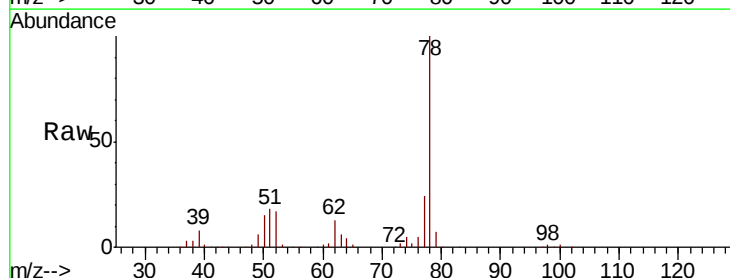
Acq: 15 Apr 2019 23:40

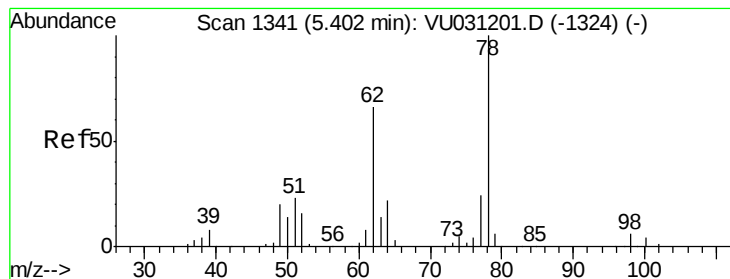
Tgt Ion: 78 Resp: 466971

Ion Ratio Lower Upper

78 100

77 24.0 19.6 29.4





#36

1,2-Dichloroethane

Concen: 10.501 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

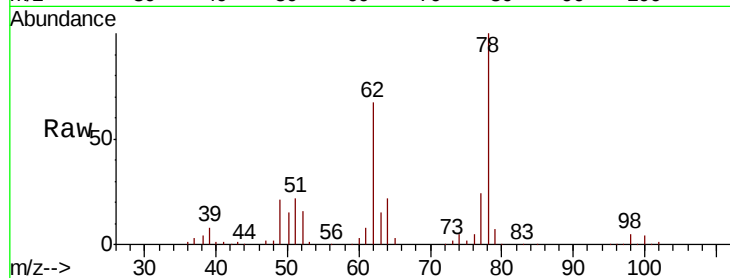
ICVVU041519

Tgt Ion: 62 Resp: 143869

Ion Ratio Lower Upper

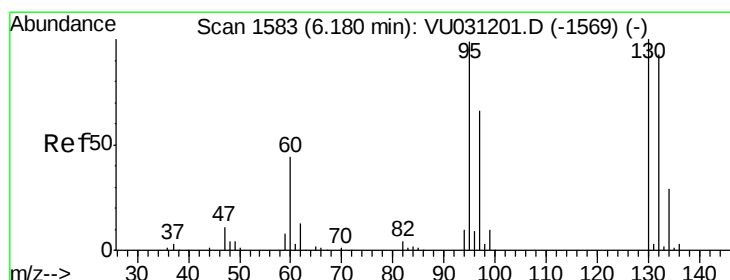
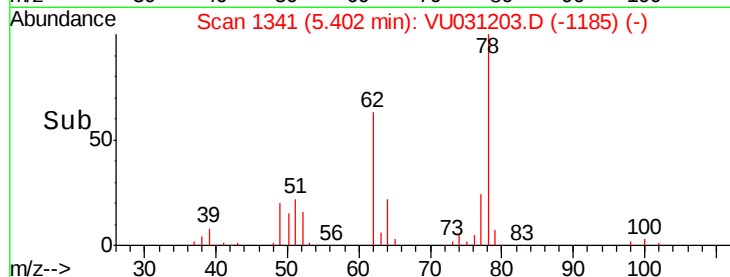
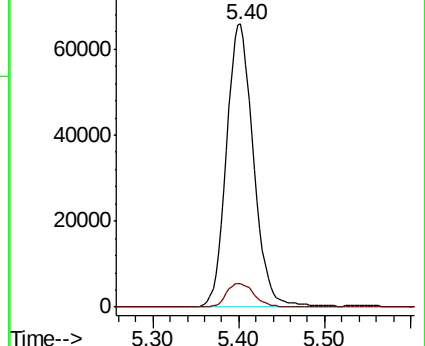
62 100

98 8.5 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031203.D (-1185) (-)

Ion 98.00 (97.70 to 98.70): VU031203.D (-1185) (-)



#37

Trichloroethene

Concen: 9.923 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031203.D

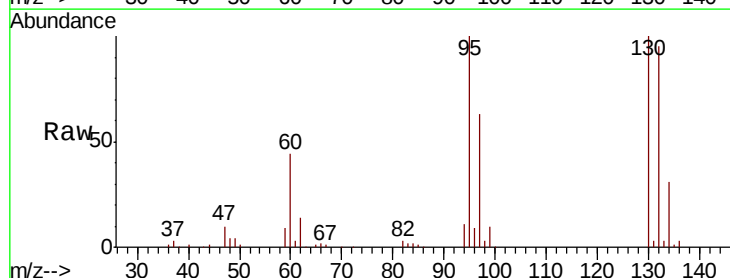
Acq: 15 Apr 2019 23:40

Tgt Ion: 130 Resp: 119802

Ion Ratio Lower Upper

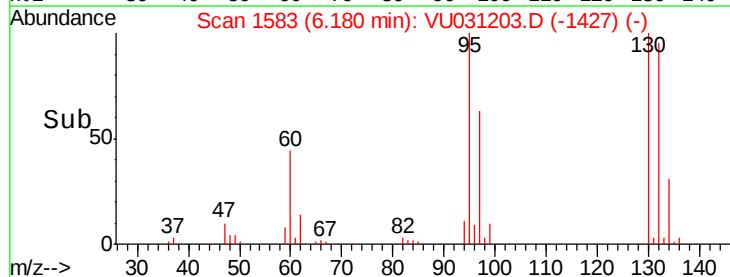
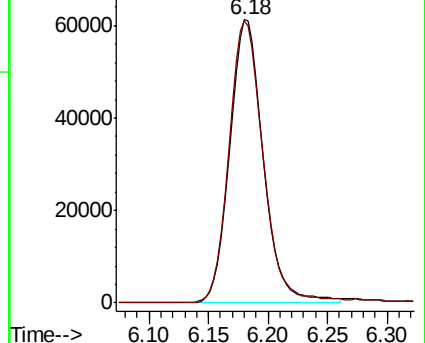
130 100

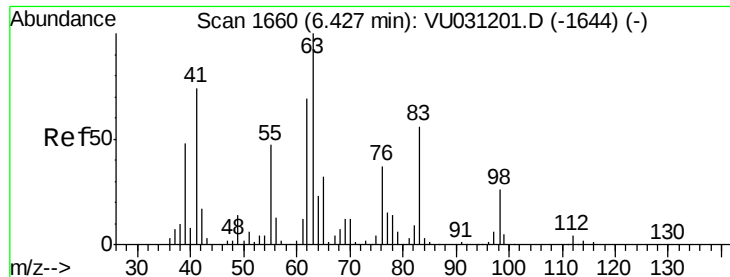
95 99.8 79.3 118.9



Abundance Ion 129.90 (129.60 to 130.60): VU031203.D (-1427) (-)

Ion 94.90 (94.60 to 95.60): VU031203.D (-1427) (-)

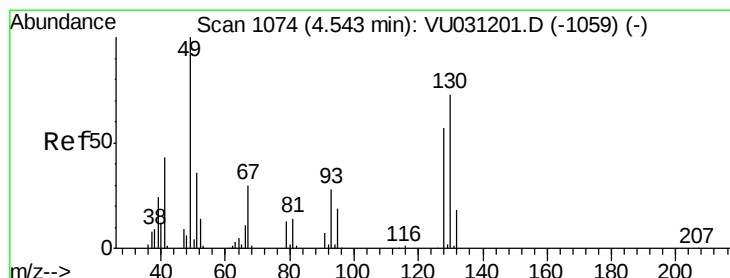
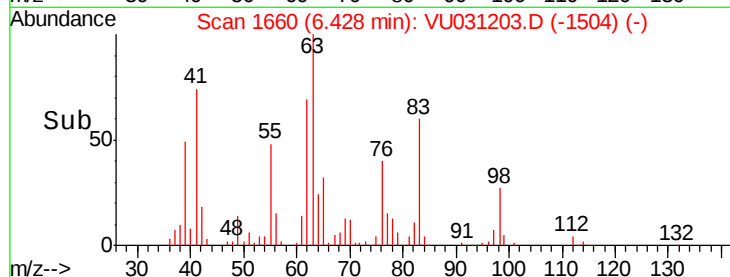
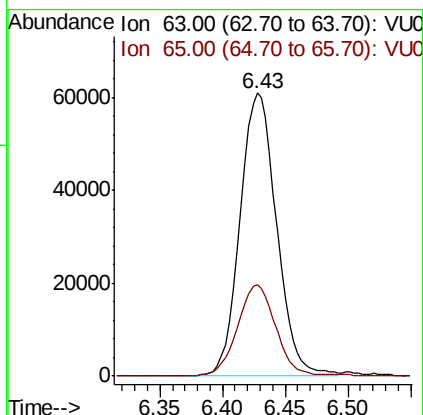
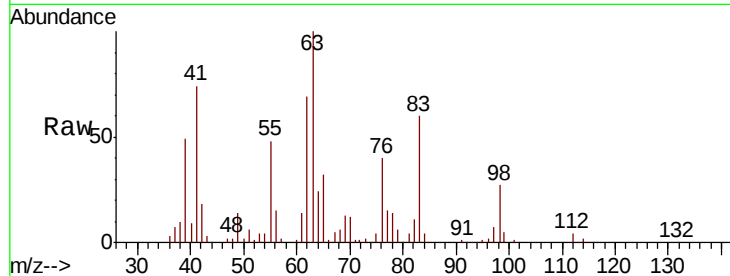




#38
 1,2-Dichloropropane
 Concen: 10.773 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

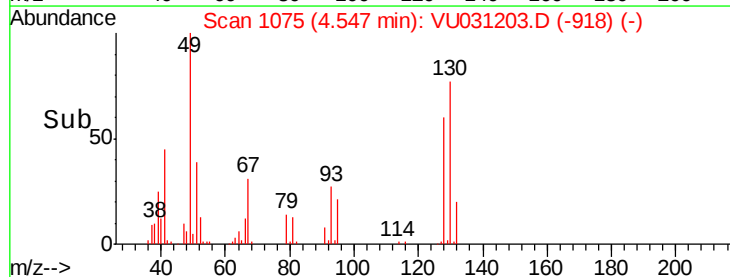
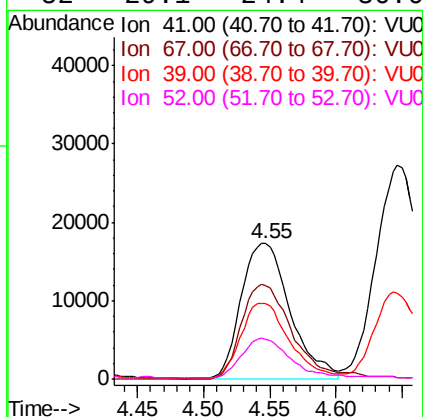
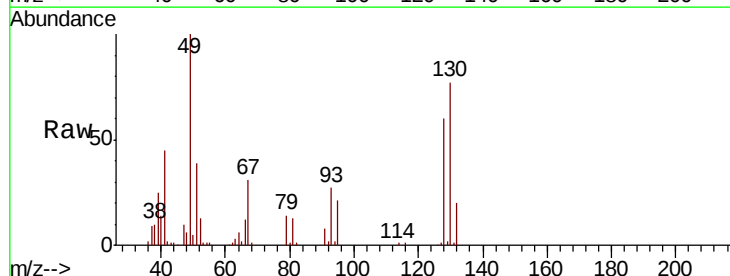
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

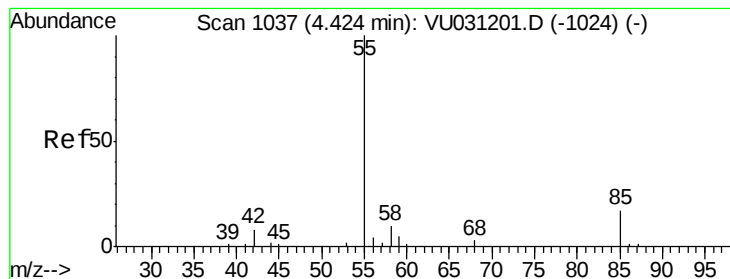
Tgt Ion: 63 Resp: 123514
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.5 38.3



#39
 Methacrylonitrile
 Concen: 11.283 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 41 Resp: 44798
 Ion Ratio Lower Upper
 41 100
 67 72.7 59.7 89.5
 39 55.5 42.2 63.2
 52 29.1 24.4 36.6





#40

Methyl acrylate

Concen: 11.887 ug/l

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tgt Ion: 55 Resp: 74193

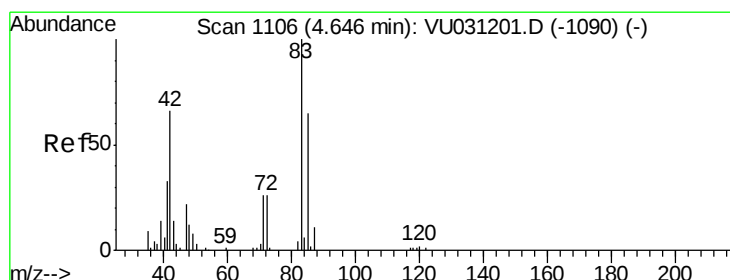
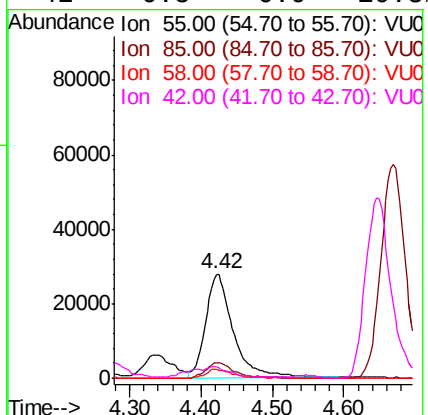
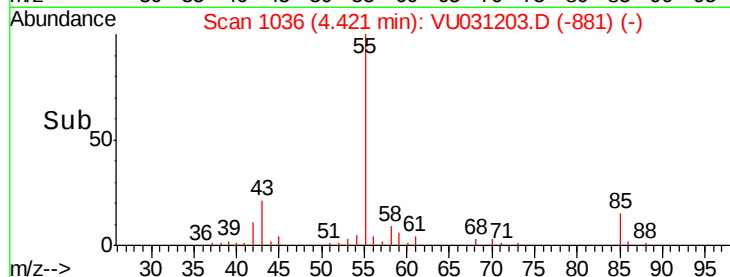
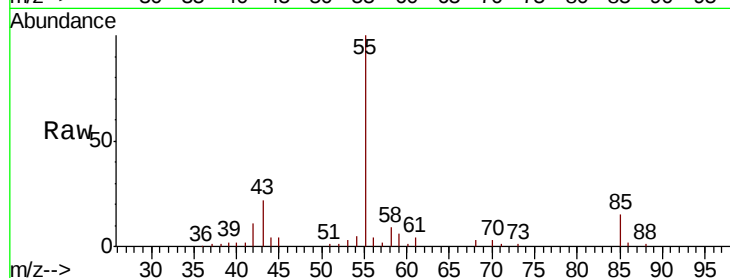
Ion Ratio Lower Upper

55 100

85 14.8 12.2 18.2

58 8.3 7.0 10.6

42 6.5 6.9 10.3#



#41

Tetrahydrofuran

Concen: 59.632 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

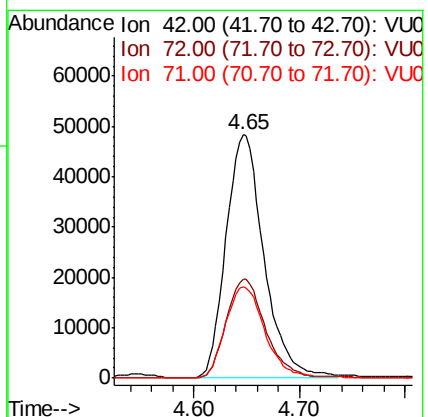
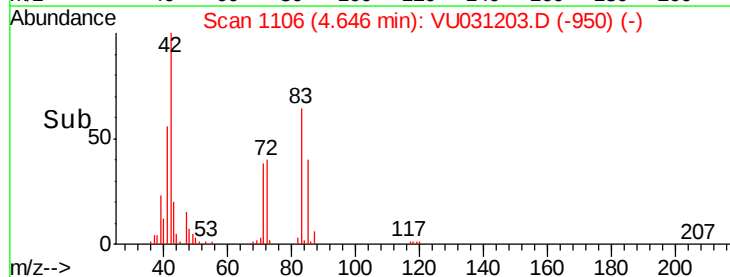
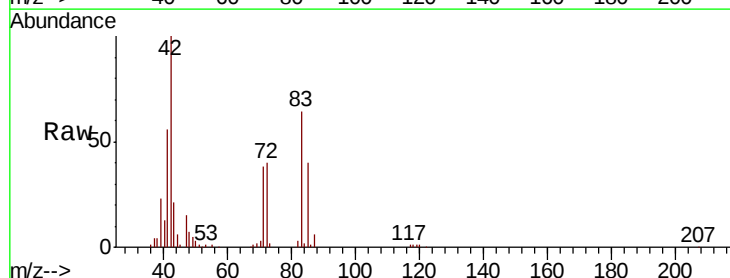
Tgt Ion: 42 Resp: 120908

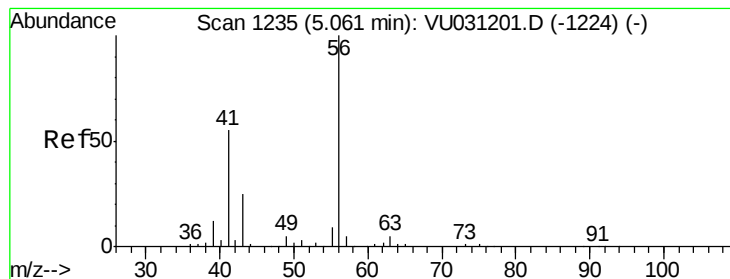
Ion Ratio Lower Upper

42 100

72 41.7 34.4 51.6

71 38.8 32.0 48.0





#42

1-Chlorobutane

Concen: 11.188 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

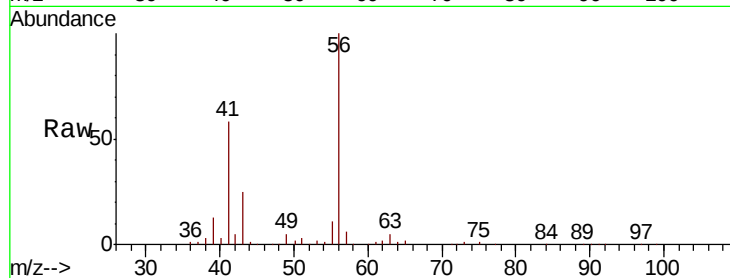
ICVVU041519

Tgt Ion: 56 Resp: 230524

Ion Ratio Lower Upper

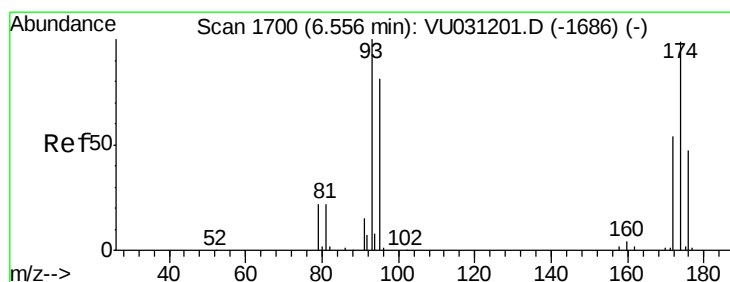
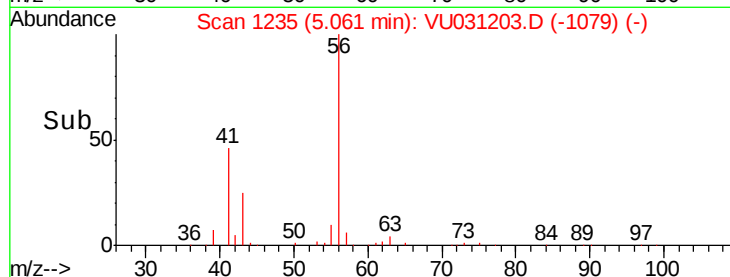
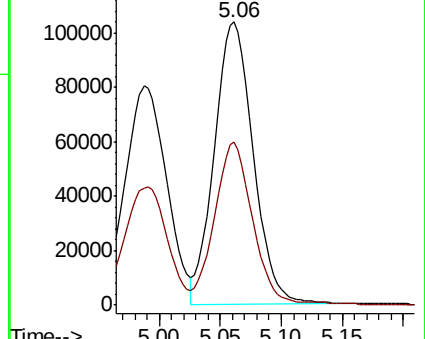
56 100

41 54.3 27.3 81.9



Abundance Ion 56.00 (55.70 to 56.70): VU031203.D (-1079) (-)

Ion 41.00 (40.70 to 41.70): VU031203.D (-1079) (-)



#43

Dibromomethane

Concen: 10.486 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

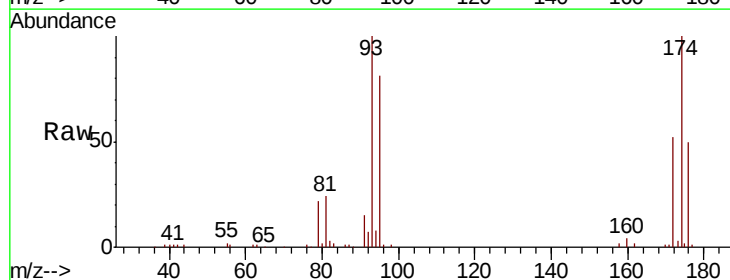
Tgt Ion: 93 Resp: 64680

Ion Ratio Lower Upper

93 100

95 82.5 67.4 101.0

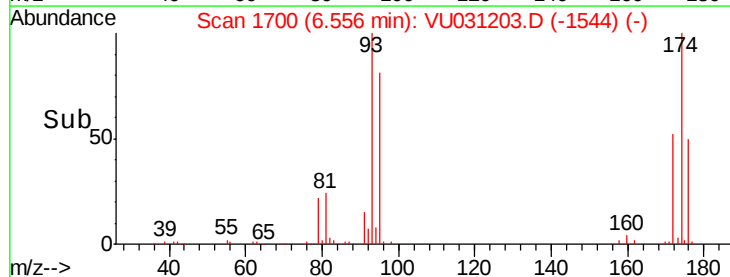
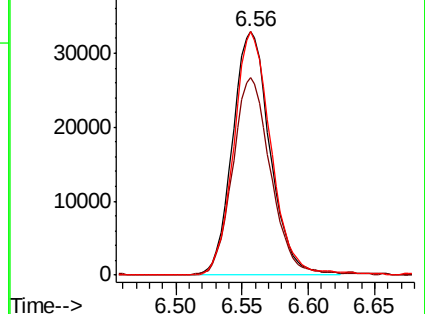
174 98.8 79.1 118.7

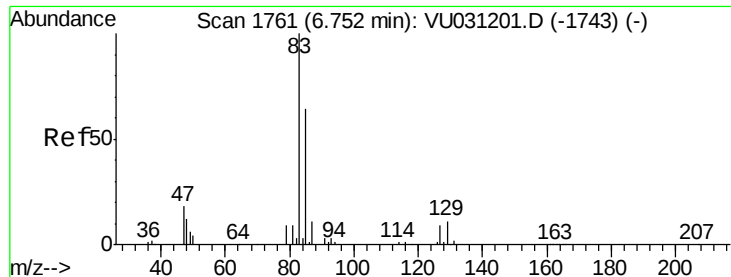


Abundance Ion 93.00 (92.70 to 93.70): VU031203.D (-1544) (-)

Ion 95.00 (94.70 to 95.70): VU031203.D (-1544) (-)

Ion 174.00 (173.70 to 174.70): VU031203.D (-1544) (-)





#44

Bromodichloromethane

Concen: 10.794 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

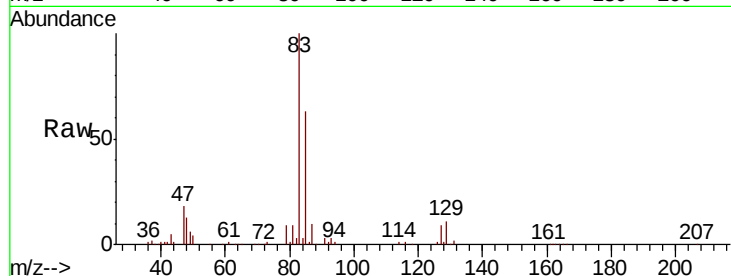
Tgt Ion: 83 Resp: 160441

Ion Ratio Lower Upper

83 100

85 62.9 51.0 76.6

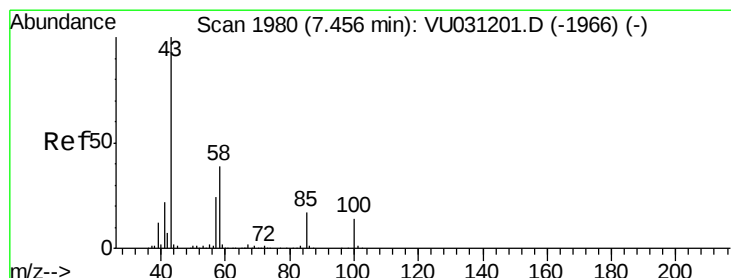
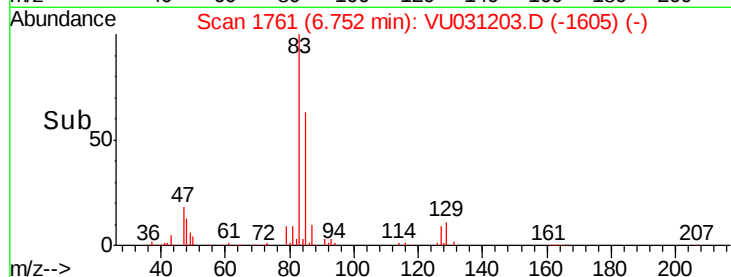
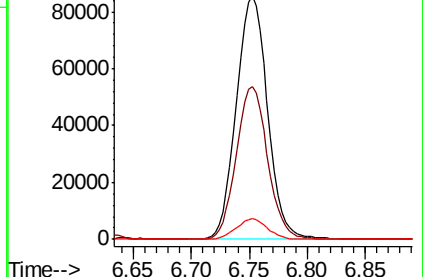
127 8.5 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VU031201.D (-1743) (-)

Ion 85.00 (84.70 to 85.70): VU031201.D (-1743) (-)

Ion 127.00 (126.70 to 127.70): VU031201.D (-1743) (-)



#45

4-Methyl-2-Pentanone

Concen: 58.417 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

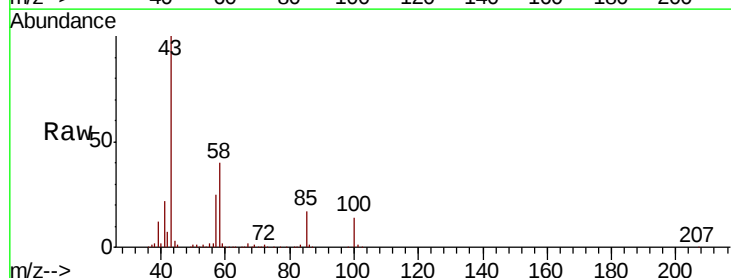
Tgt Ion: 43 Resp: 425061

Ion Ratio Lower Upper

43 100

58 39.0 19.4 58.2

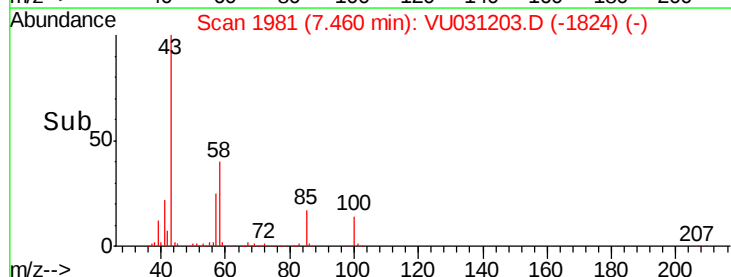
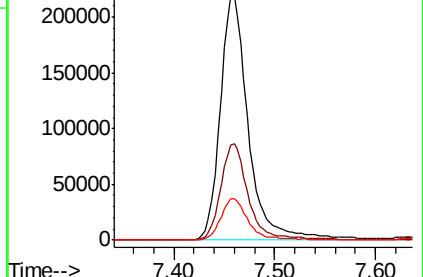
85 16.5 13.2 19.8

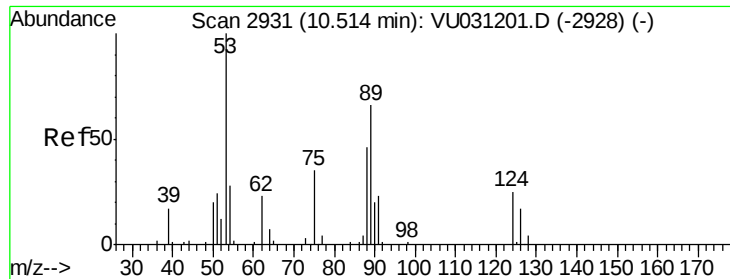


Abundance Ion 43.00 (42.70 to 43.70): VU031201.D (-1966) (-)

Ion 58.00 (57.70 to 58.70): VU031201.D (-1966) (-)

Ion 85.00 (84.70 to 85.70): VU031201.D (-1966) (-)

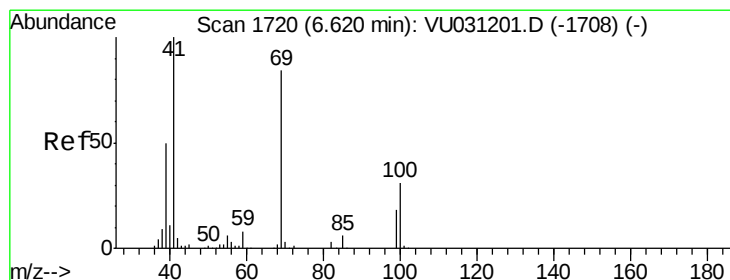
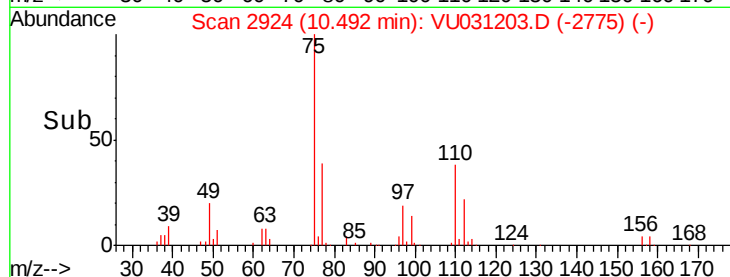
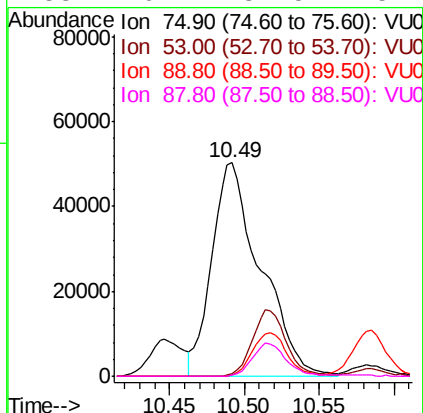
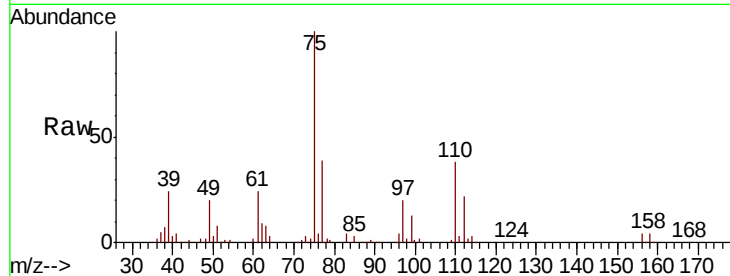




#46
t-1,4-Dichloro-2-butene
Concen: 41.105 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

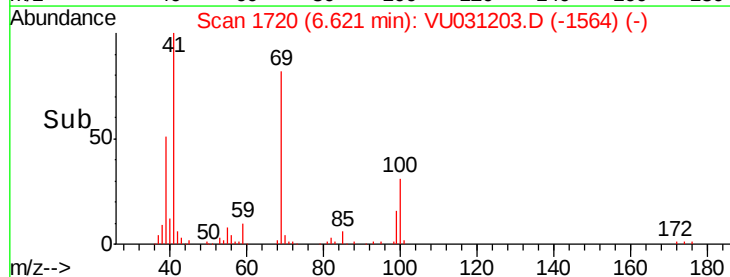
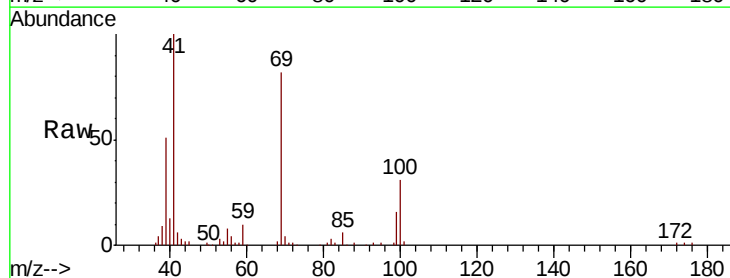
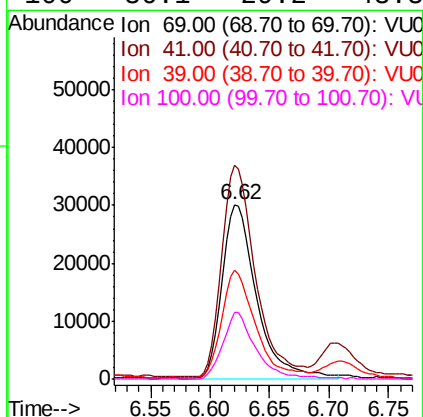
Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

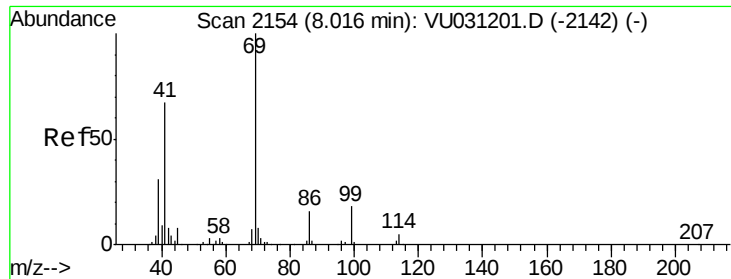
Tgt Ion: 75 Resp: 114006
Ion Ratio Lower Upper
75 100
53 21.6 65.2 97.8#
89 14.4 43.0 64.4#
88 10.7 32.5 48.7#



#47
Methyl methacrylate
Concen: 11.681 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 69 Resp: 60808
Ion Ratio Lower Upper
69 100
41 117.9 0.0 237.2
39 60.4 47.4 71.2
100 36.1 29.2 43.8

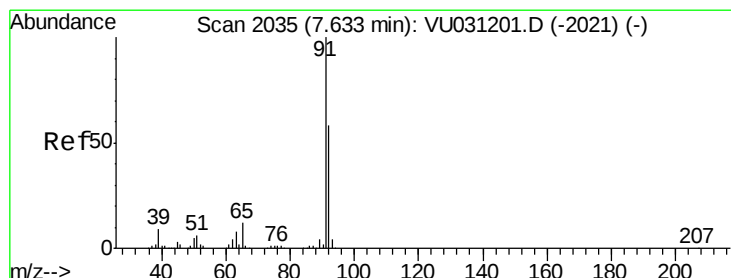
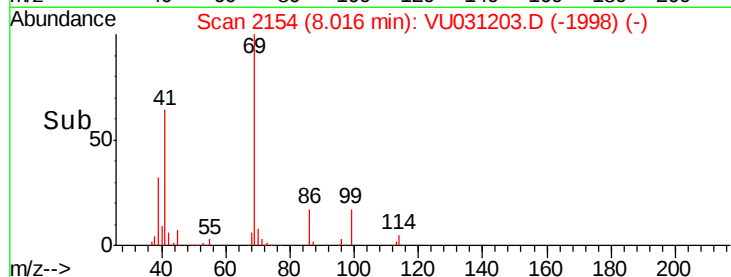
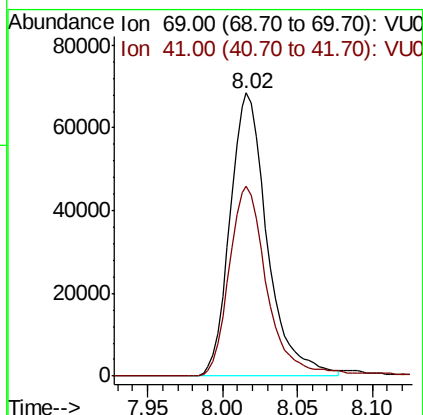
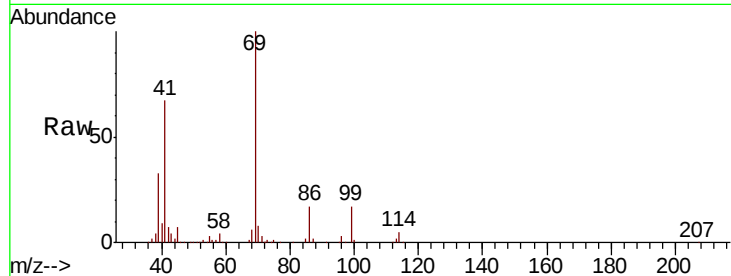




#48
 Ethyl methacrylate
 Concen: 10.474 ug/l
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

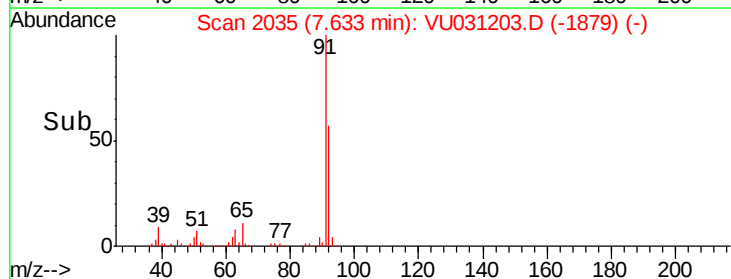
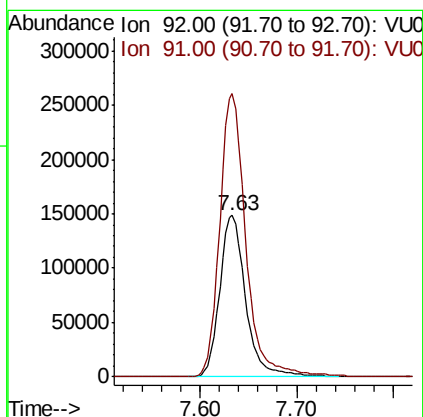
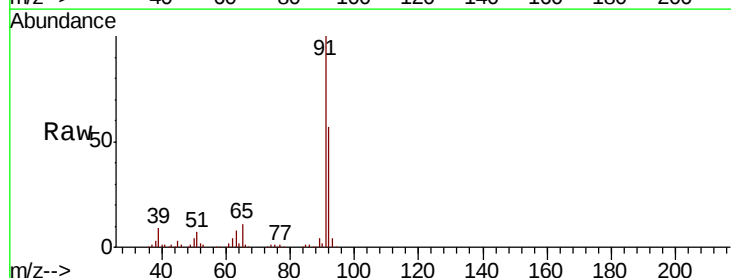
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

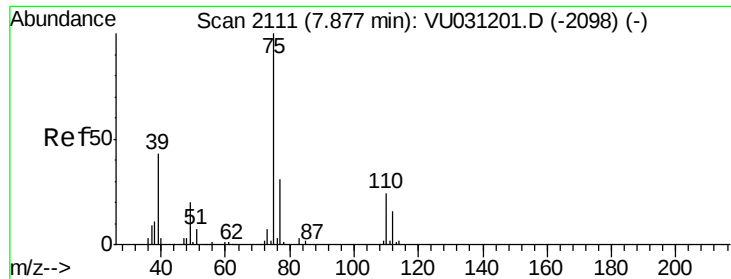
Tgt Ion: 69 Resp: 118689
 Ion Ratio Lower Upper
 69 100
 41 68.2 32.5 97.5



#49
 Toluene
 Concen: 11.803 ug/l
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 92 Resp: 278898
 Ion Ratio Lower Upper
 92 100
 91 176.0 140.2 210.4

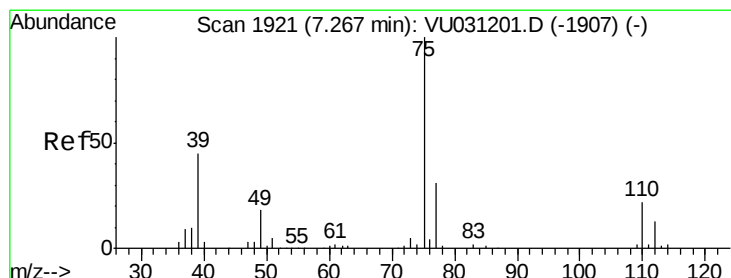
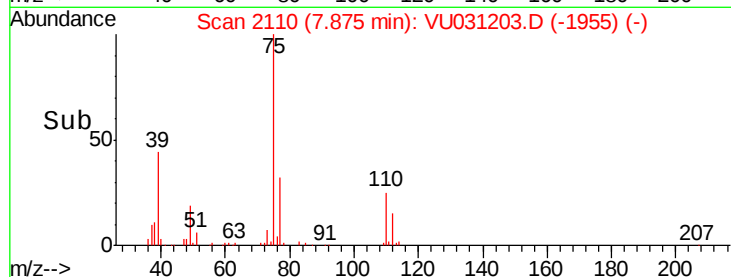
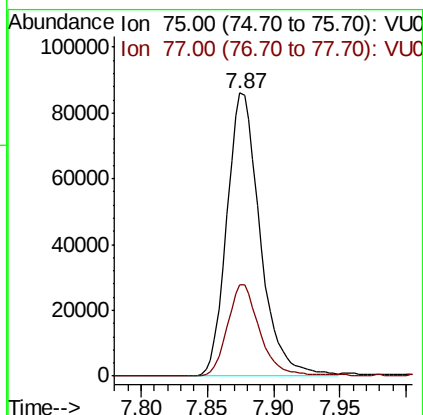
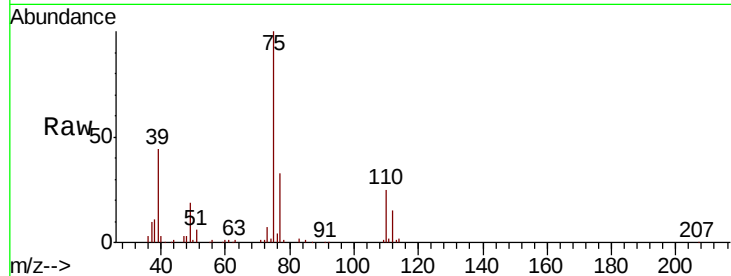




#50
 t-1,3-Dichloropropene
 Concen: 11.874 ug/l
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

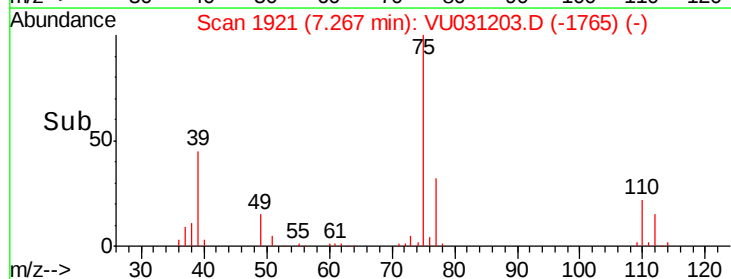
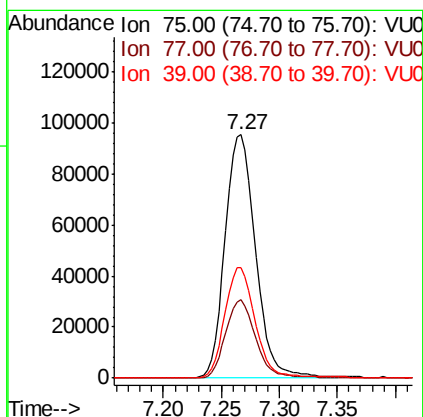
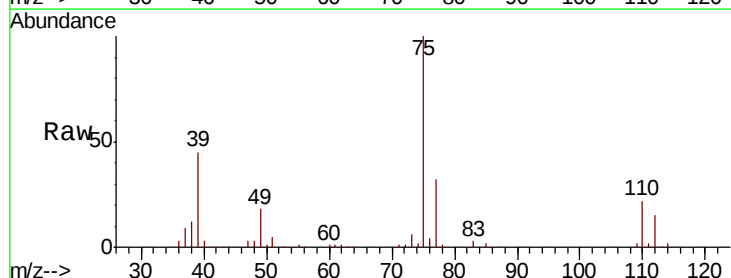
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

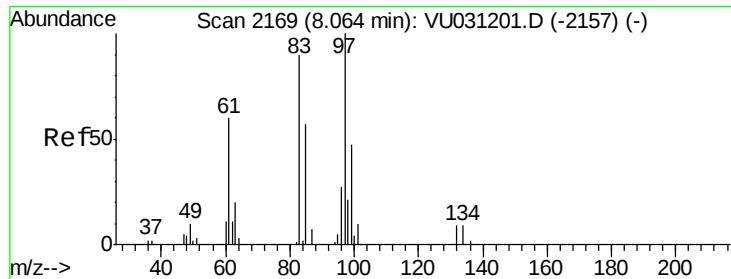
Tgt Ion: 75 Resp: 150505
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 37.0



#51
 cis-1,3-Dichloropropene
 Concen: 11.583 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 75 Resp: 173579
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0
 39 45.5 36.1 54.1

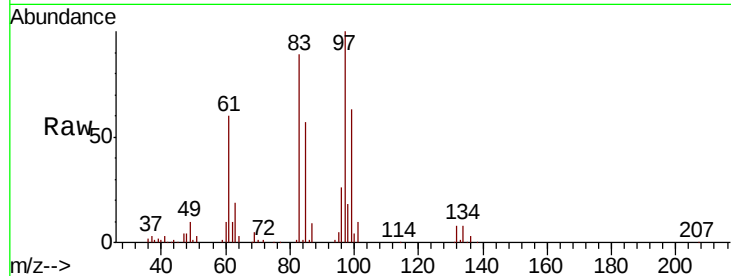




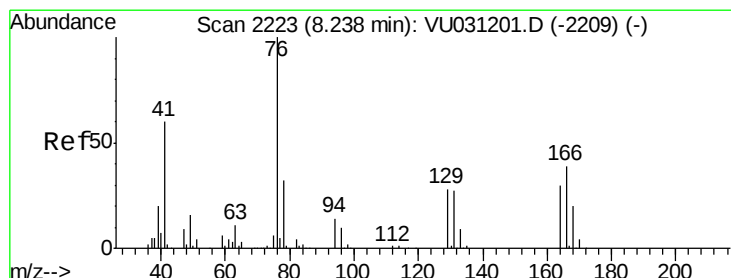
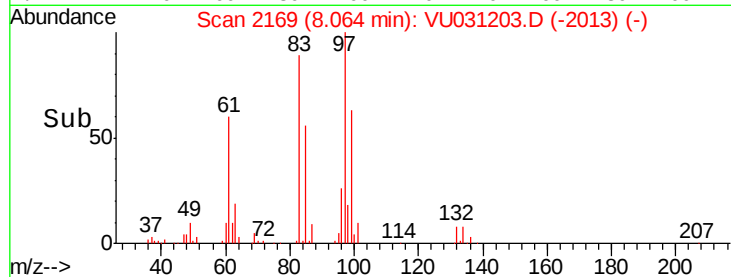
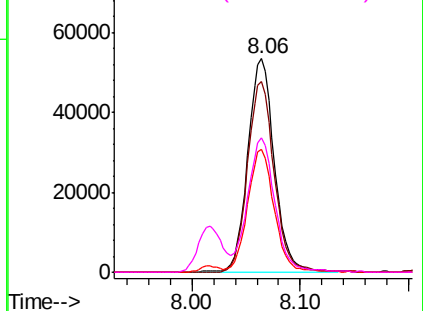
#52
 1,1,2-Trichloroethane
 Concen: 11.007 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tgt Ion: 97 Resp: 91617
 Ion Ratio Lower Upper
 97 100
 83 89.3 71.5 107.3
 85 57.0 46.7 70.1
 99 62.3 51.0 76.6

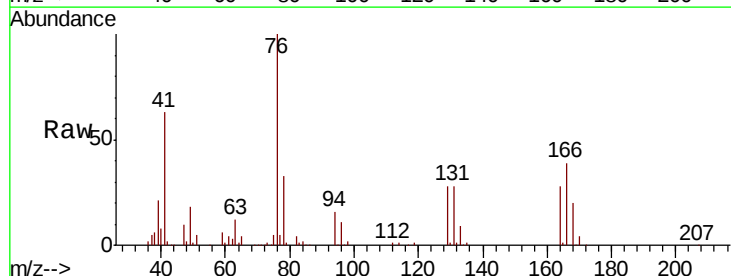


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

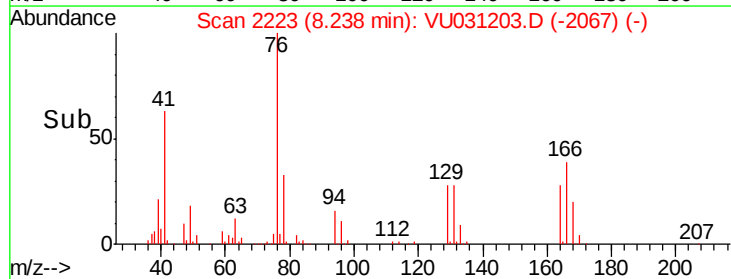
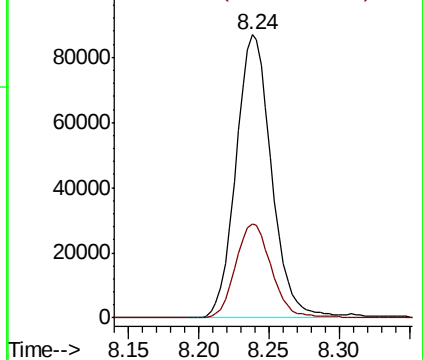


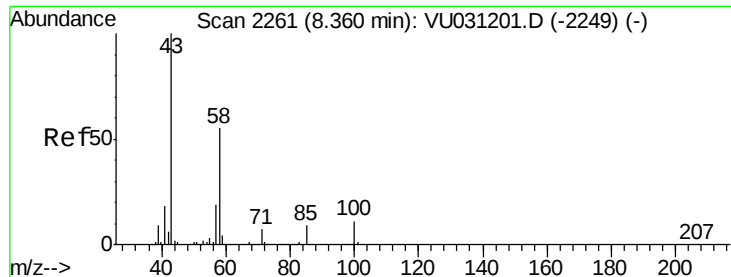
#53
 1,3-Dichloropropane
 Concen: 10.862 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 76 Resp: 153471
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.3 37.9



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

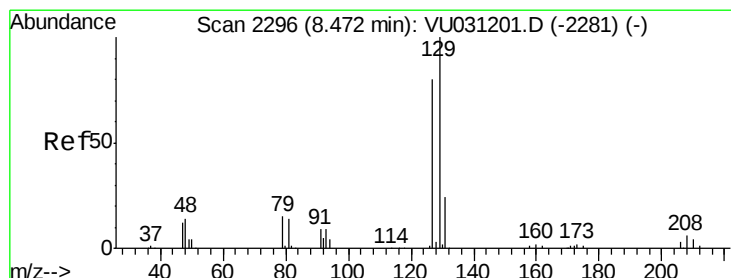
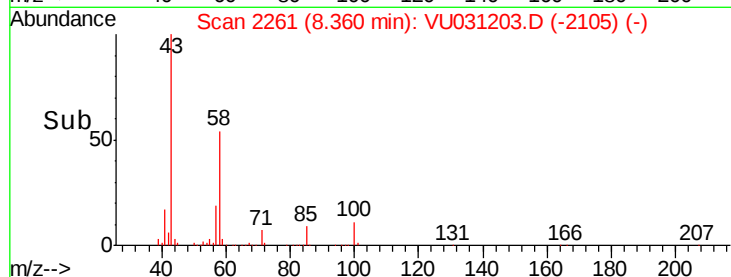
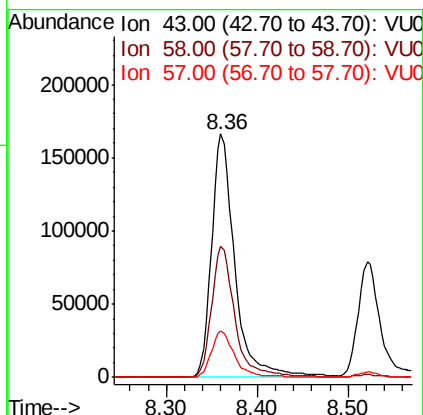
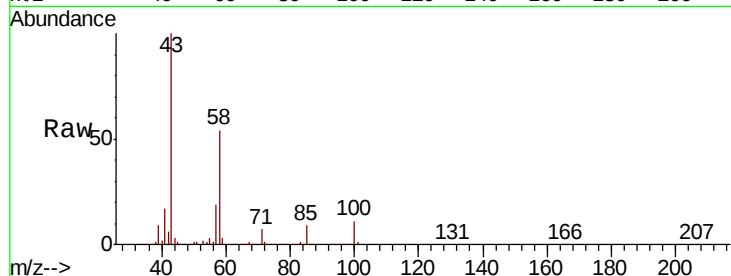




#54
2-Hexanone
Concen: 60.297 ug/l
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

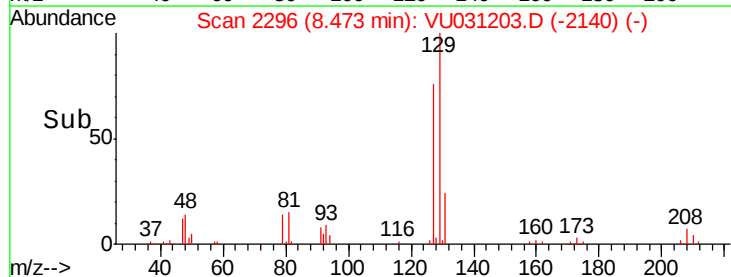
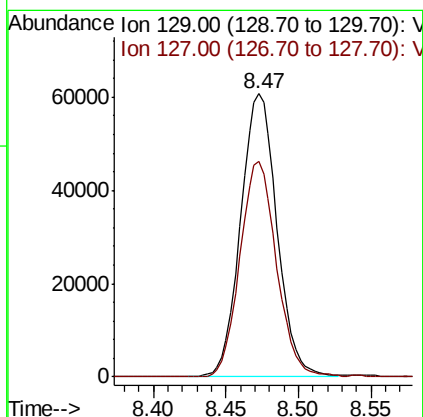
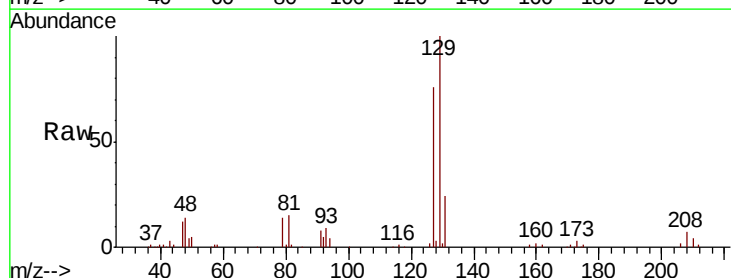
Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

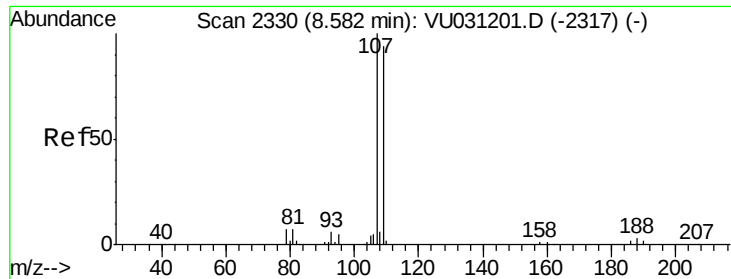
Tgt Ion: 43 Resp: 296103
Ion Ratio Lower Upper
43 100
58 54.1 35.5 75.5
57 19.0 0.0 38.7



#55
Dibromochloromethane
Concen: 10.730 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 129 Resp: 105859
Ion Ratio Lower Upper
129 100
127 76.5 62.2 93.2





#56

1,2-Dibromoethane

Concen: 10.885 ug/l

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

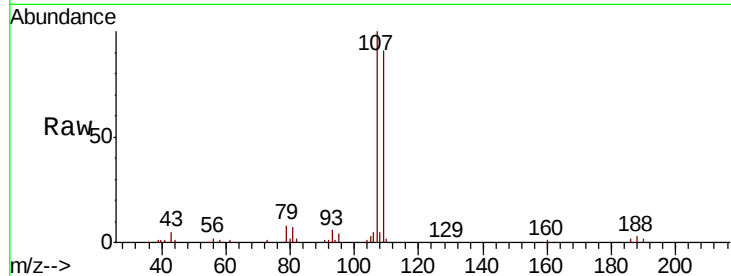
ICVVU041519

Tgt Ion: 107 Resp: 84199

Ion Ratio Lower Upper

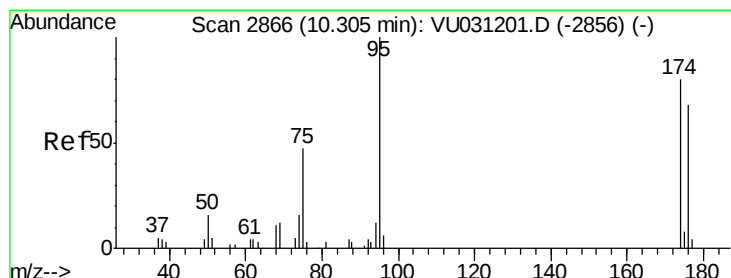
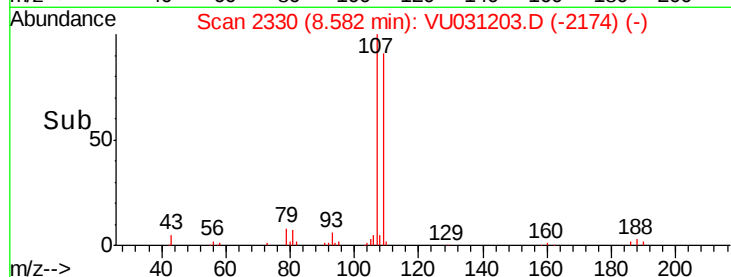
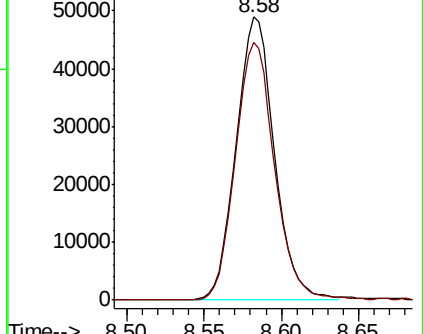
107 100

109 93.4 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#57

4-Bromofluorobenzene

Concen: 10.885 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

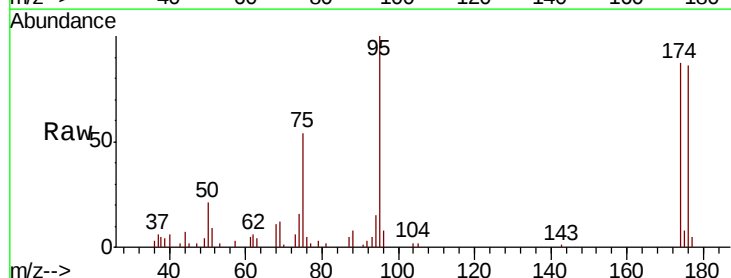
Tgt Ion: 95 Resp: 13606

Ion Ratio Lower Upper

95 100

174 82.4 64.2 96.2

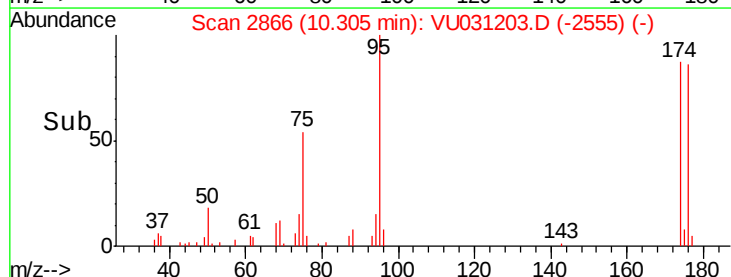
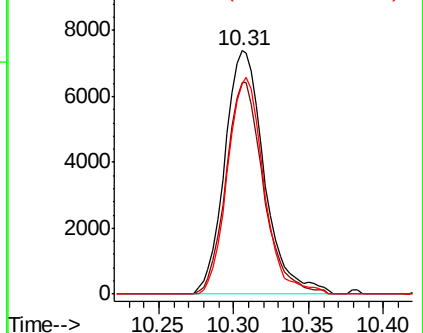
176 81.8 58.0 87.0

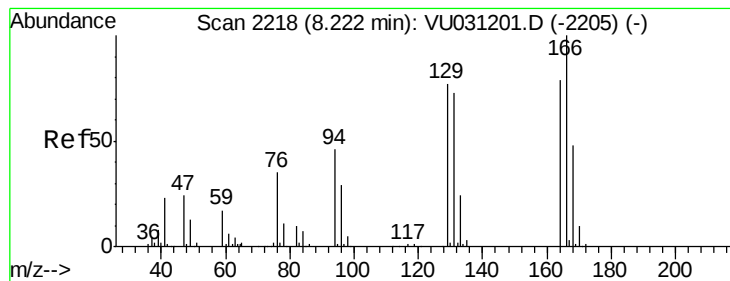


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#58

Tetrachloroethene

Concen: 10.844 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

Tgt Ion:164 Resp: 111310

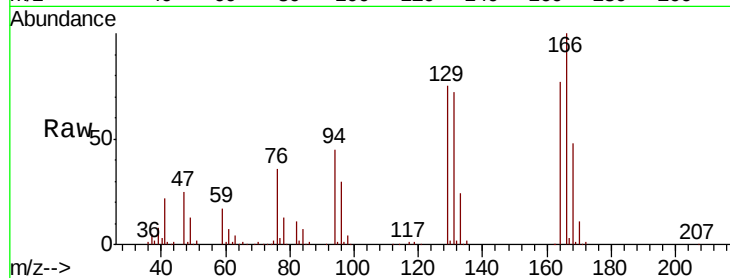
Ion Ratio Lower Upper

164 100

166 130.1 100.9 151.3

129 97.4 77.6 116.4

131 93.9 73.5 110.3

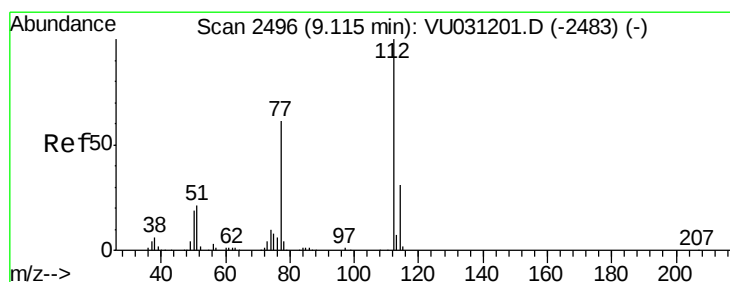
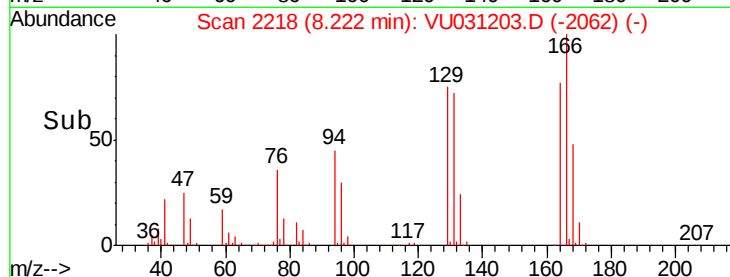
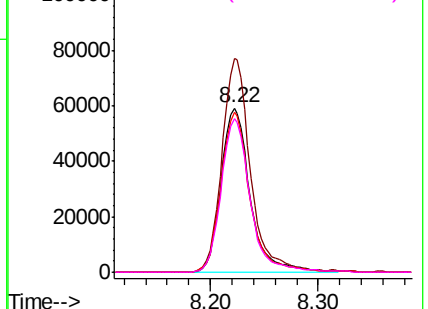


Abundance Ion 163.85 (163.55 to 164.55): V

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: 10.996 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031203.D

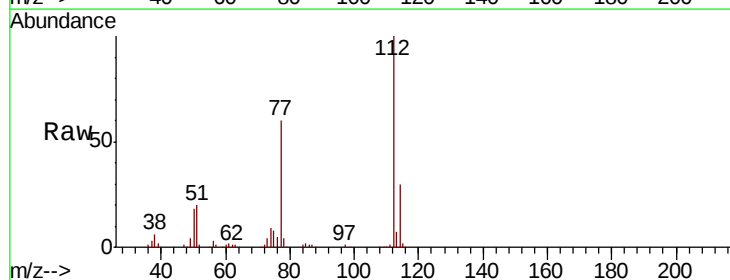
Acq: 15 Apr 2019 23:40

Tgt Ion:112 Resp: 288567

Ion Ratio Lower Upper

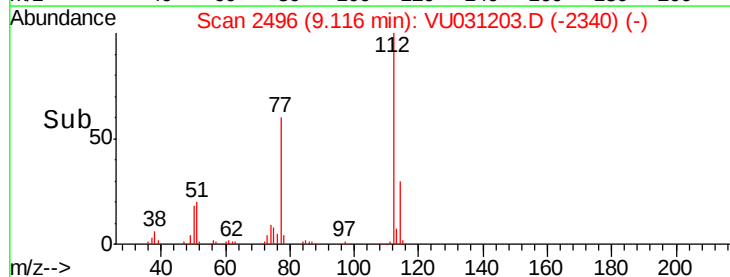
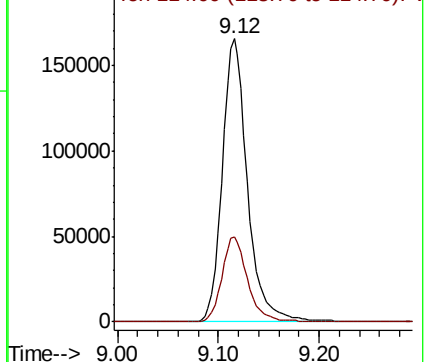
112 100

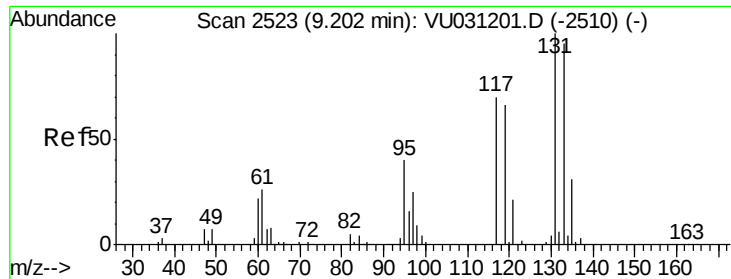
114 30.0 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 10.737 ug/l

RT: 9.20 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

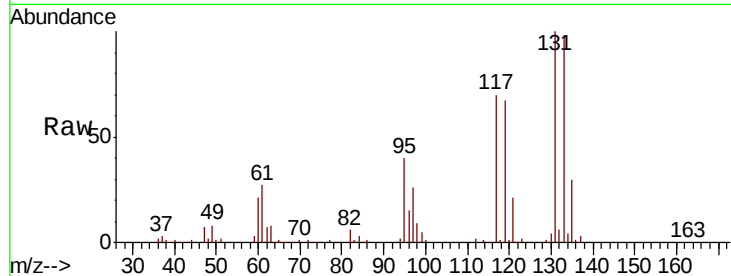
Tgt Ion:131 Resp: 105611

Ion Ratio Lower Upper

131 100

133 96.2 77.2 115.8

119 66.9 51.4 77.2

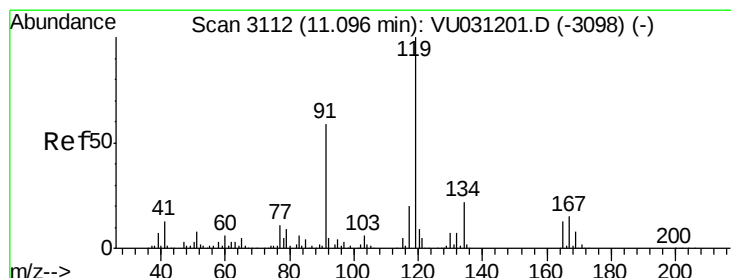
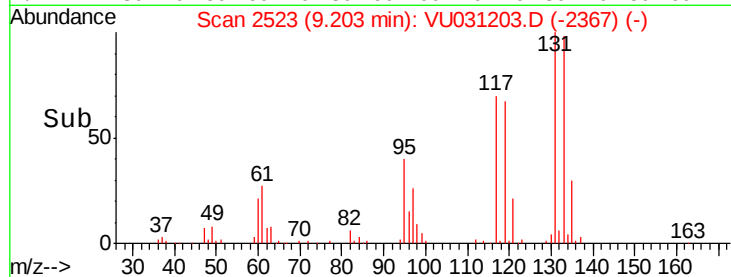
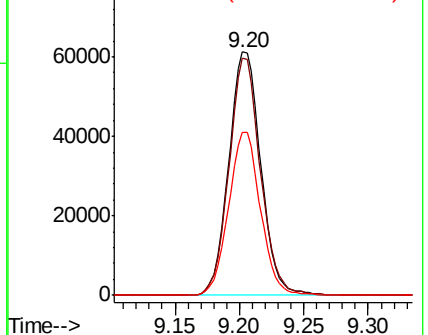


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 10.589 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031203.D

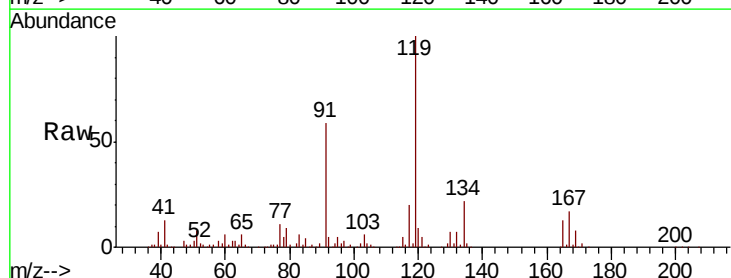
Acq: 15 Apr 2019 23:40

Tgt Ion:117 Resp: 81044

Ion Ratio Lower Upper

117 100

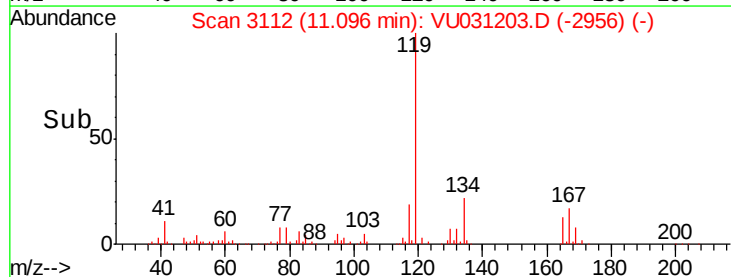
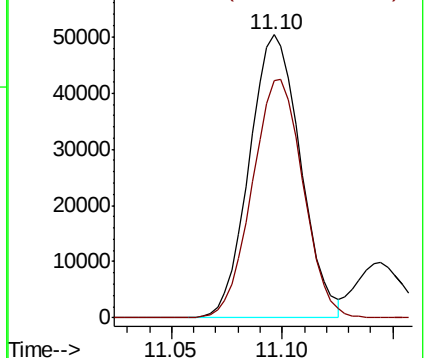
167 84.0 63.1 94.7

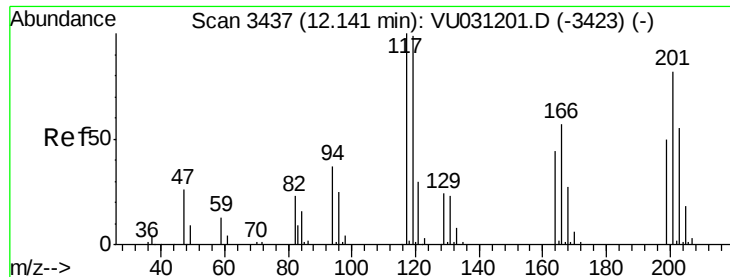


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 10.512 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

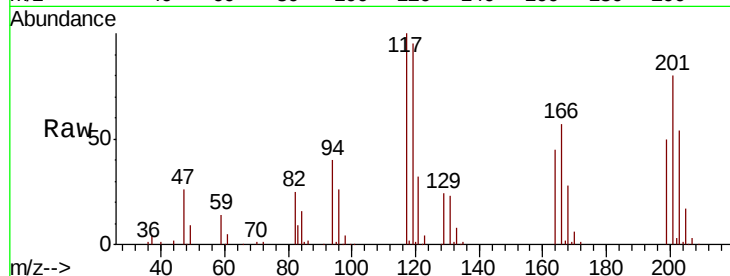
ICVVU041519

Tgt Ion:117 Resp: 77766

Ion Ratio Lower Upper

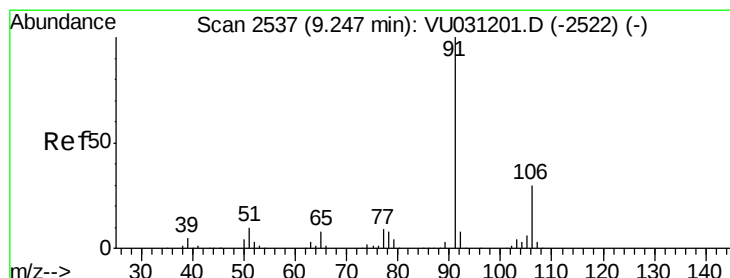
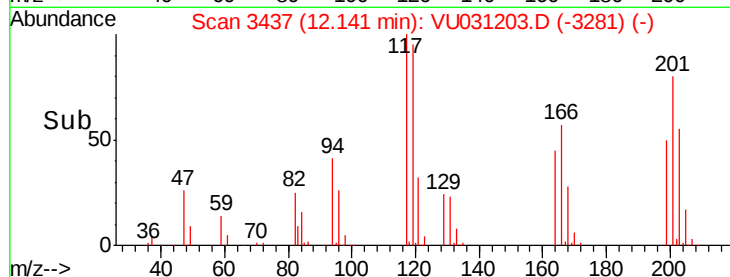
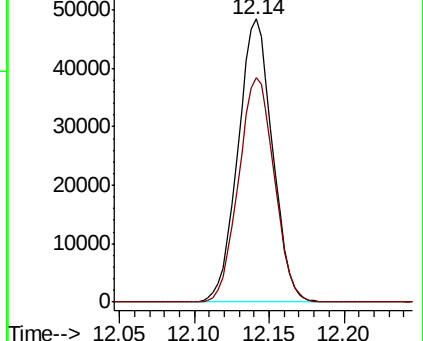
117 100

201 81.9 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: 12.370 ug/l

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031203.D

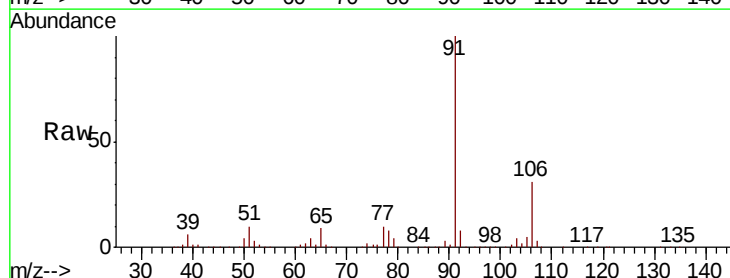
Acq: 15 Apr 2019 23:40

Tgt Ion: 91 Resp: 517931

Ion Ratio Lower Upper

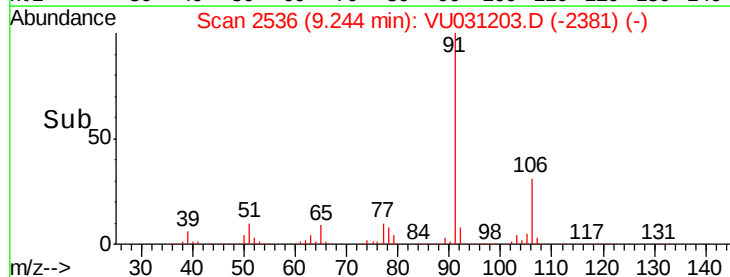
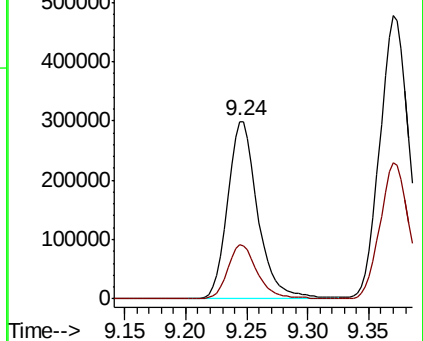
91 100

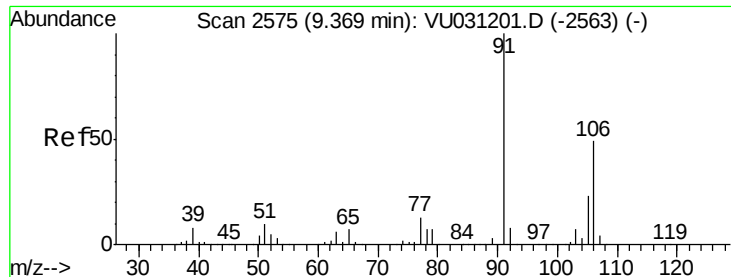
106 30.5 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 24.589 ug/l

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

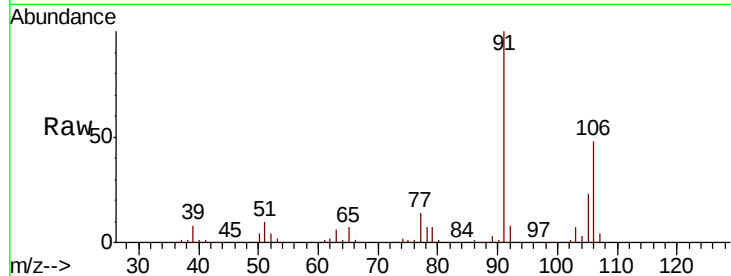
ICVVU041519

Tgt Ion:106 Resp: 392010

Ion Ratio Lower Upper

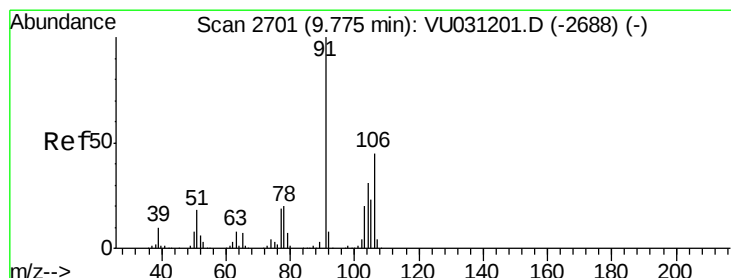
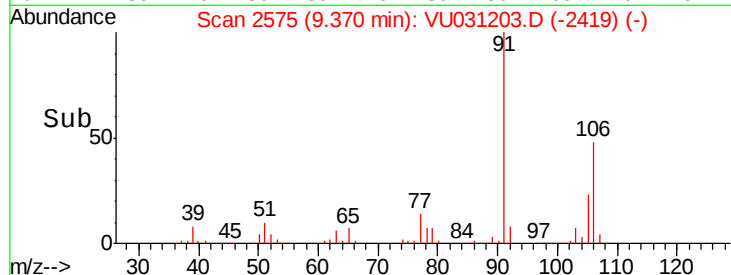
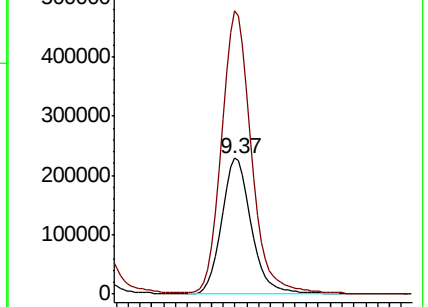
106 100

91 211.0 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 12.115 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031203.D

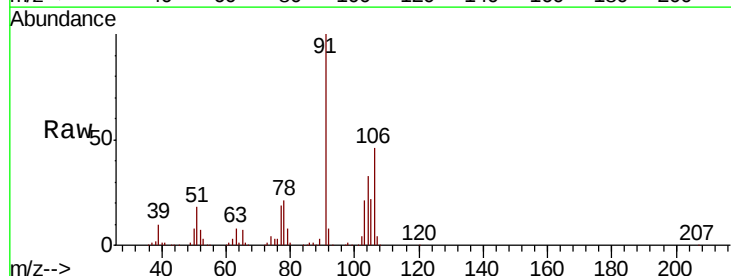
Acq: 15 Apr 2019 23:40

Tgt Ion:106 Resp: 184866

Ion Ratio Lower Upper

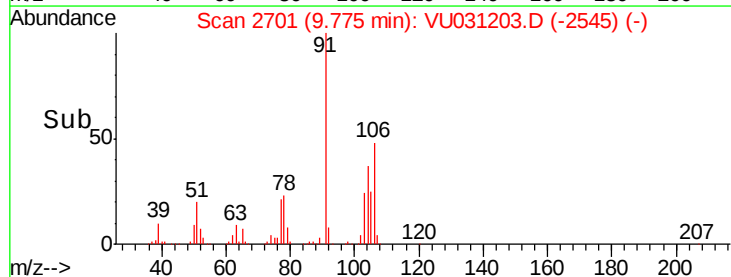
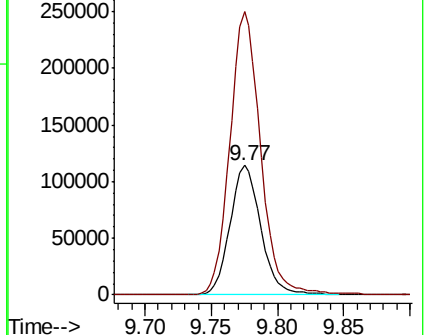
106 100

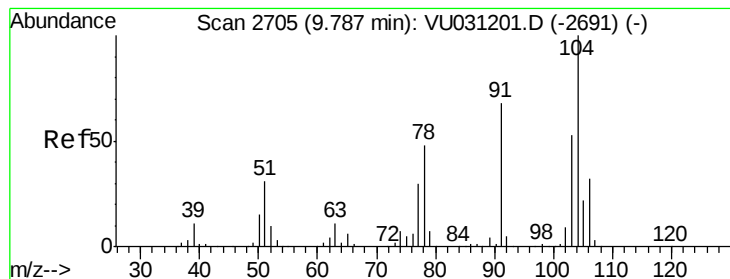
91 218.1 111.3 333.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#66

Styrene

Concen: 10.831 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

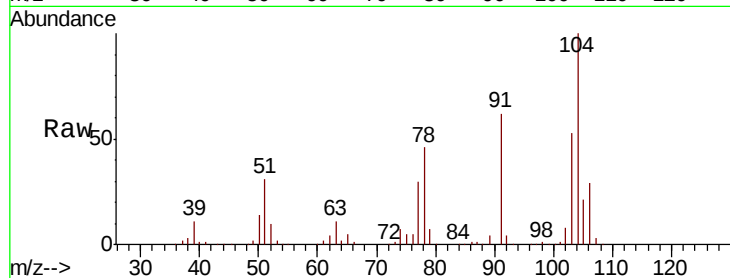
Tgt Ion:104 Resp: 333706

Ion Ratio Lower Upper

104 100

78 50.1 41.4 62.0

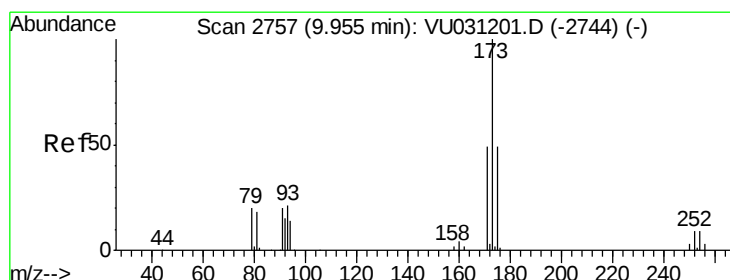
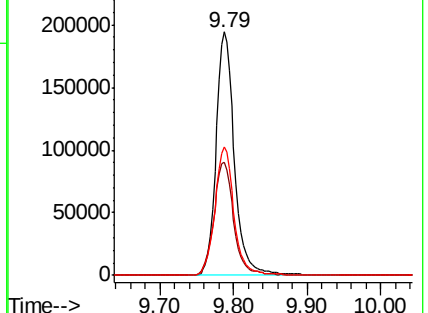
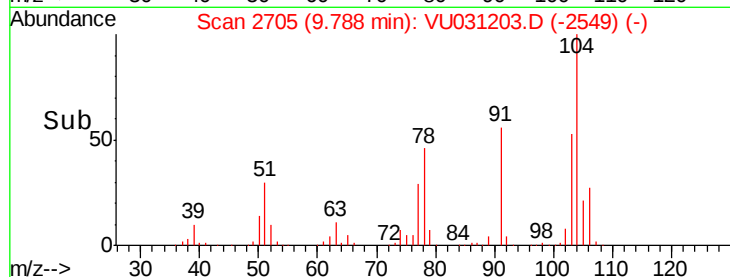
103 55.0 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#67

Bromoform

Concen: 10.972 ug/l

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

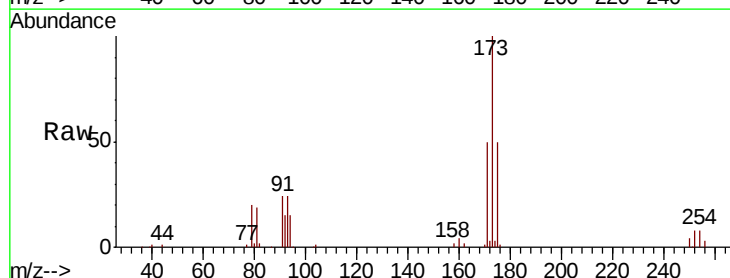
Tgt Ion:173 Resp: 62458

Ion Ratio Lower Upper

173 100

175 49.2 38.0 57.0

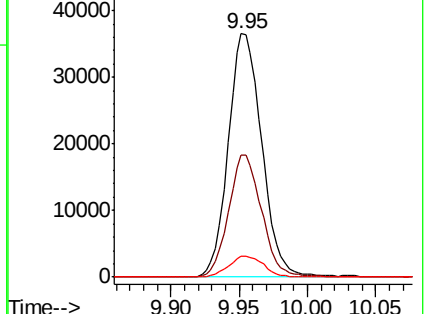
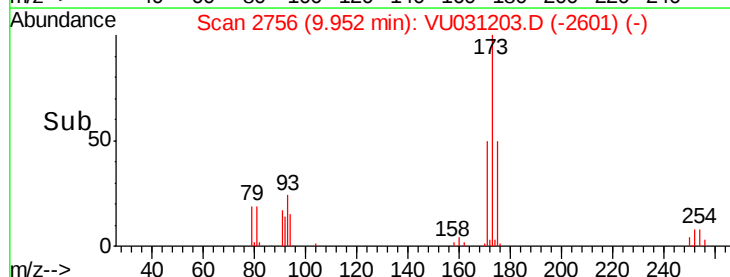
254 8.8 7.1 10.7

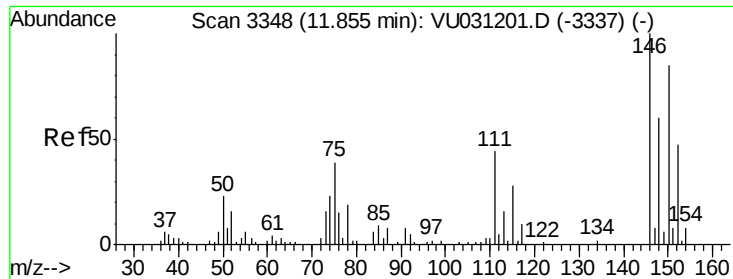


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#68

1,2-Dichlorobenzene-d4

Concen: 10.972 ug/l

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

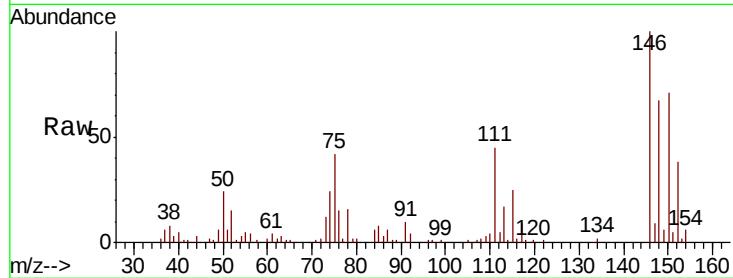
Tgt Ion:152 Resp: 12900

Ion Ratio Lower Upper

152 100

115 61.8 0.0 130.0

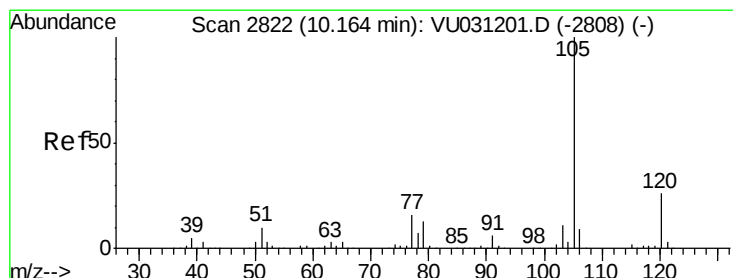
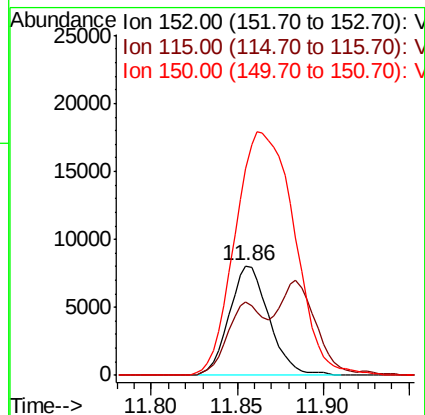
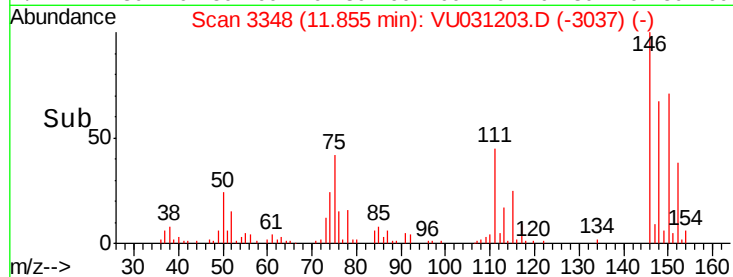
150 332.7 0.0 639.0



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: 12.541 ug/l

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031203.D

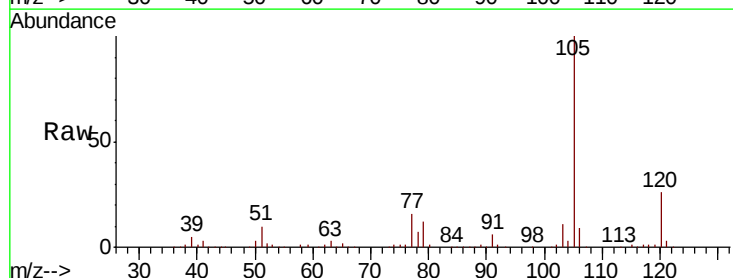
Acq: 15 Apr 2019 23:40

Tgt Ion:105 Resp: 512959

Ion Ratio Lower Upper

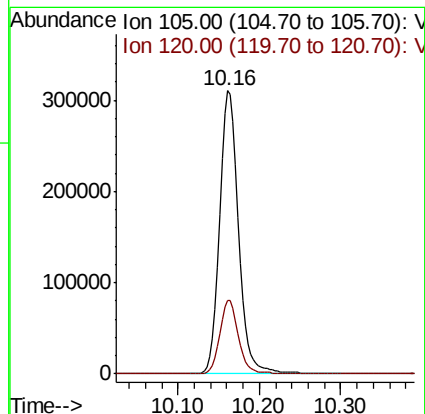
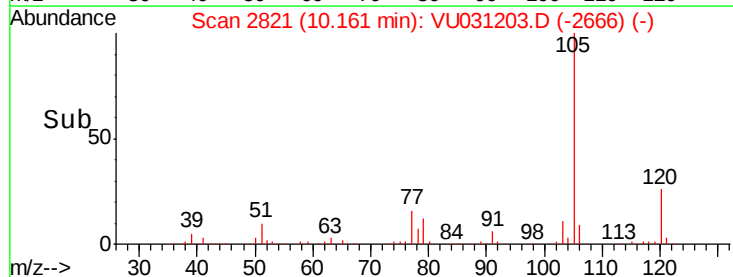
105 100

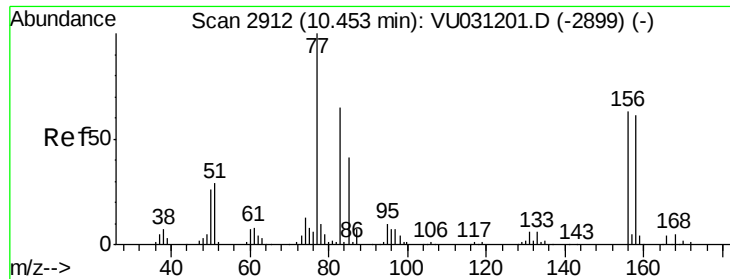
120 25.7 12.8 38.3



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: 10.326 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

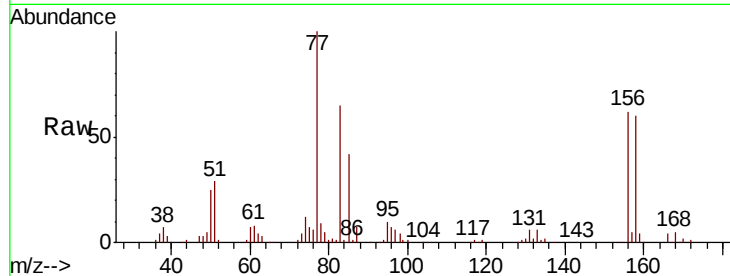
Tgt Ion: 83 Resp: 111471

Ion Ratio Lower Upper

83 100

131 10.0 8.0 12.0

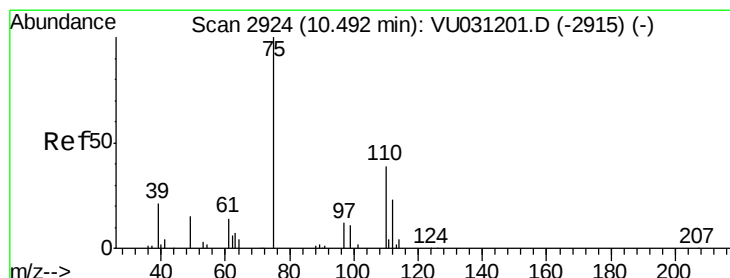
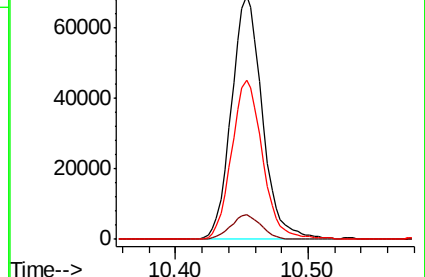
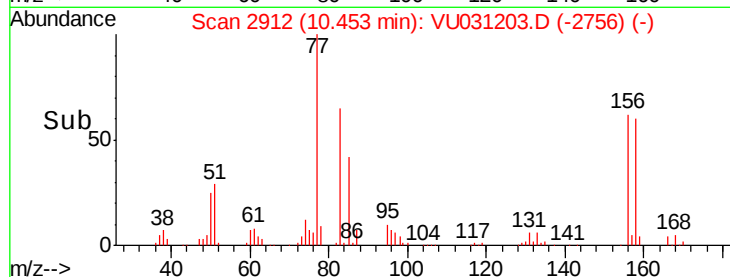
85 65.8 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VU031203.D (-2756) (-)

Ion 131.00 (130.70 to 131.70): VU031203.D (-2756) (-)

Ion 85.00 (84.70 to 85.70): VU031203.D (-2756) (-)



#71

1,2,3-Trichloropropane

Concen: 14.606 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Tgt Ion: 75 Resp: 114006

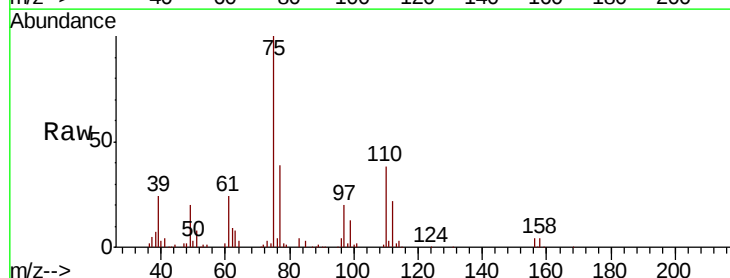
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 27.1 0.0 71.0

97 13.9 0.0 40.4

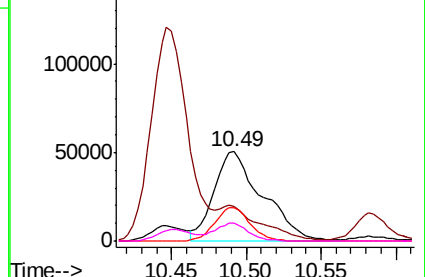
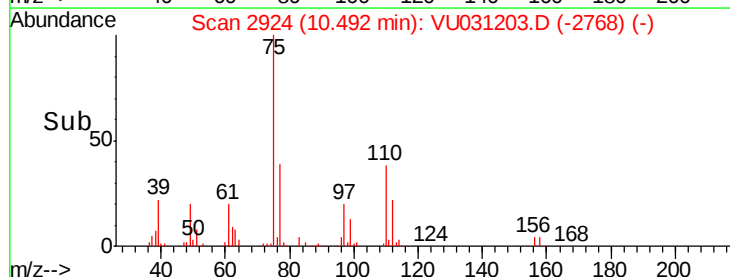


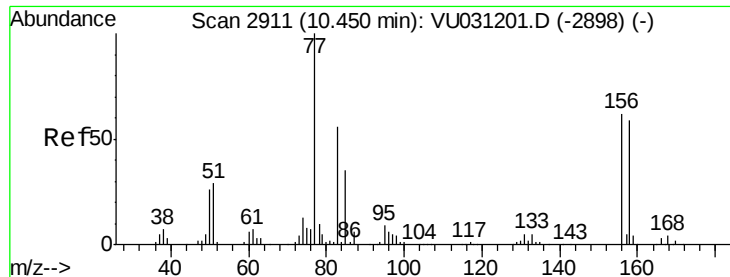
Abundance Ion 75.00 (74.70 to 75.70): VU031203.D (-2768) (-)

Ion 77.00 (76.70 to 77.70): VU031203.D (-2768) (-)

Ion 110.00 (109.70 to 110.70): VU031203.D (-2768) (-)

Ion 97.00 (96.70 to 97.70): VU031203.D (-2768) (-)





#72

Bromobenzene

Concen: 11.551 ug/l

RT: 10.45 min Scan# 2910

Delta R.T. -0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

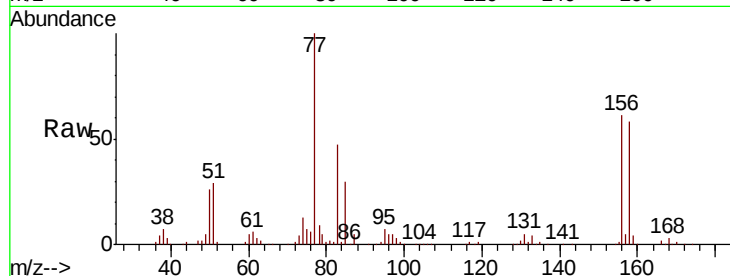
Tgt Ion:156 Resp: 125021

Ion Ratio Lower Upper

156 100

77 164.4 0.0 322.6

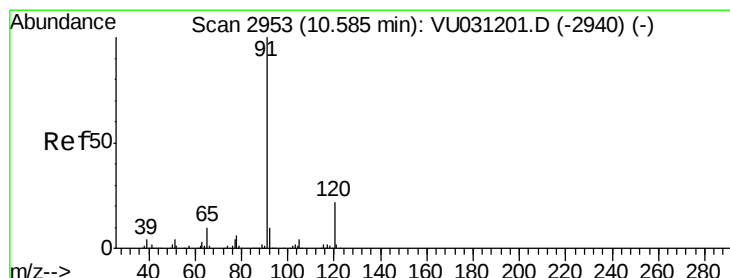
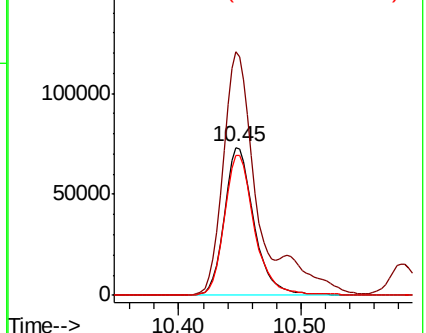
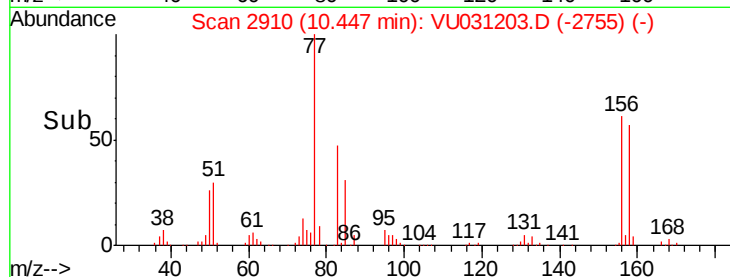
158 96.7 0.0 191.0



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: 12.405 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031203.D

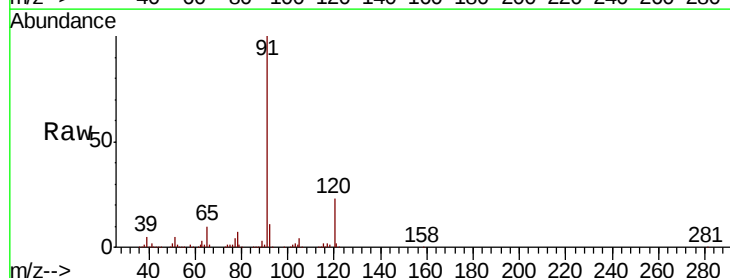
Acq: 15 Apr 2019 23:40

Tgt Ion:120 Resp: 135506

Ion Ratio Lower Upper

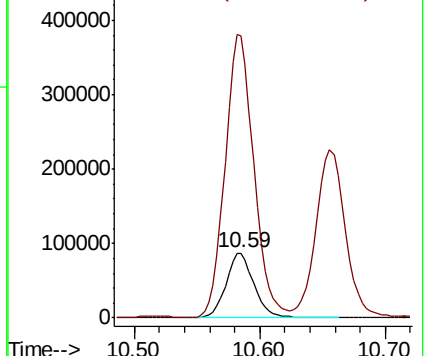
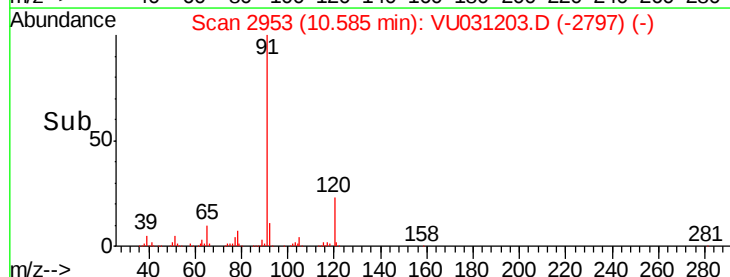
120 100

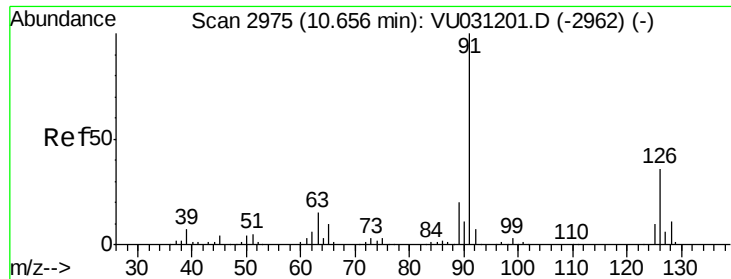
91 448.6 364.9 547.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

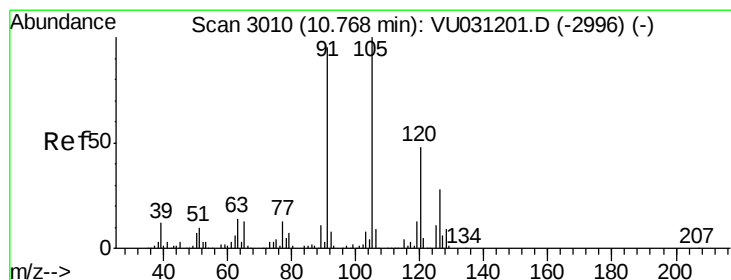
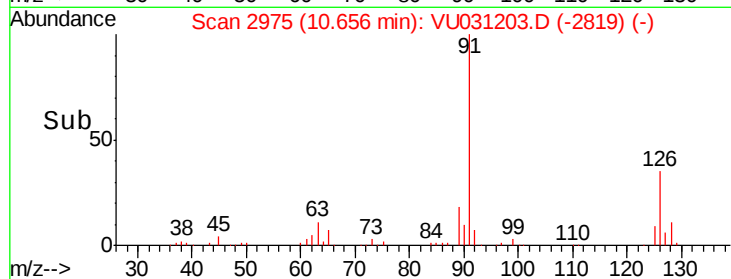
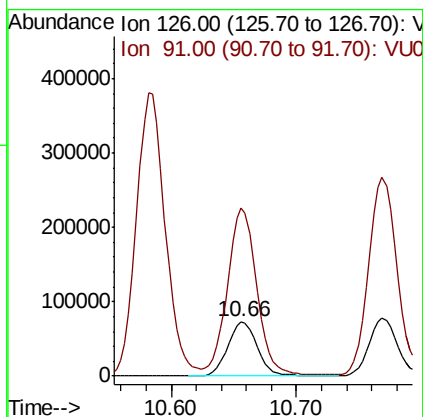
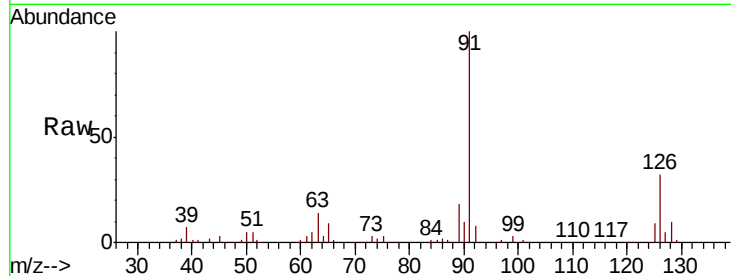




#74
 2-Chlorotoluene
 Concen: 11.874 ug/l
 RT: 10.66 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

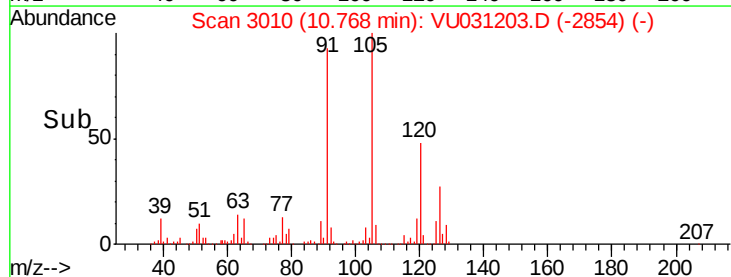
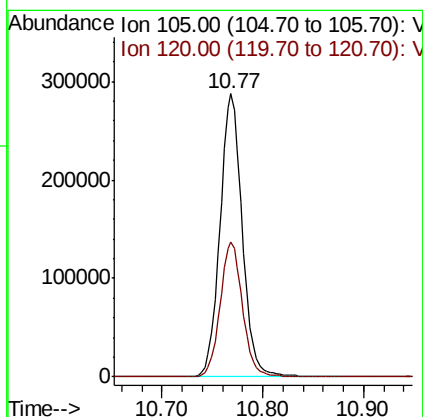
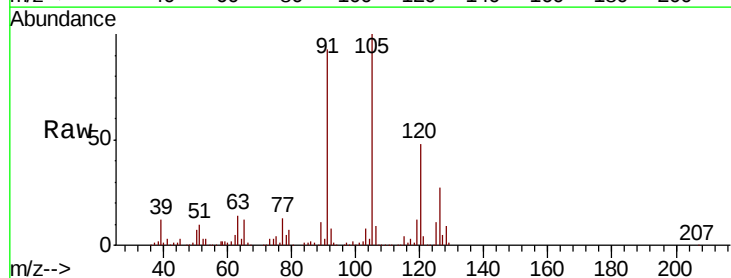
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

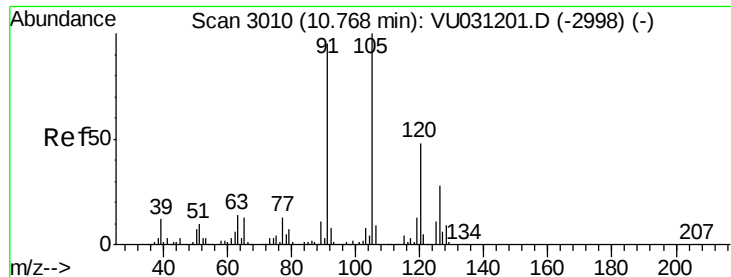
Tgt Ion:126 Resp: 119610
 Ion Ratio Lower Upper
 126 100
 91 309.9 0.0 612.6



#75
 1,3,5-Trimethylbenzene
 Concen: 12.783 ug/l
 RT: 10.77 min Scan# 3010
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion:105 Resp: 442576
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.7 58.1





#76

4-Chlorotoluene

Concen: 12.391 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

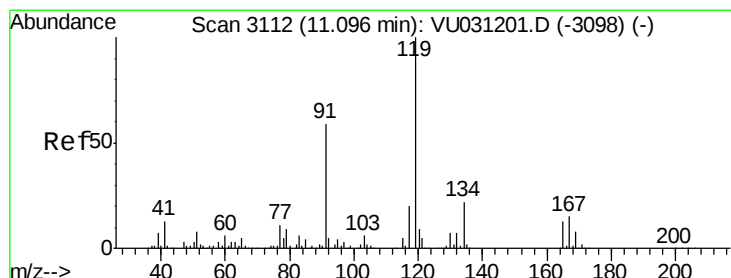
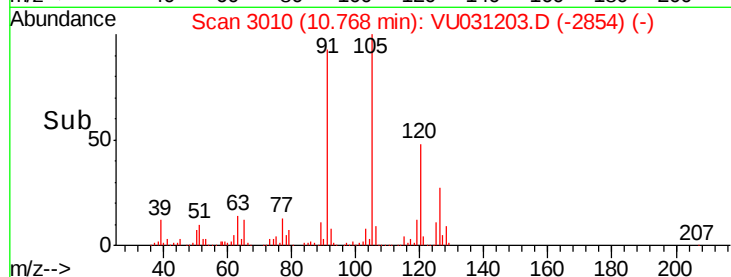
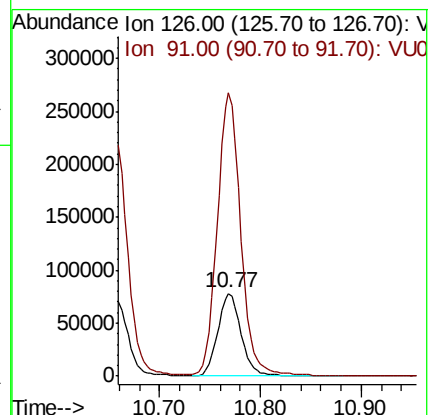
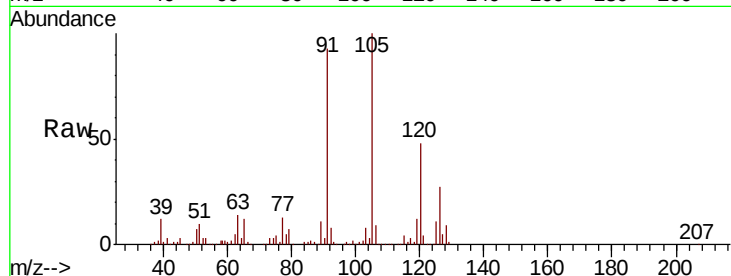
ICVVU041519

Tgt Ion:126 Resp: 125750

Ion Ratio Lower Upper

126 100

91 344.4 0.0 683.8



#77

tert-Butylbenzene

Concen: 11.784 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

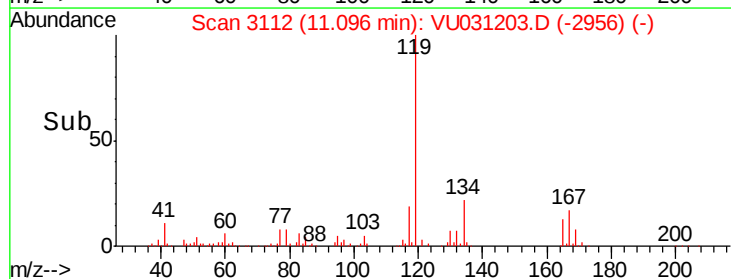
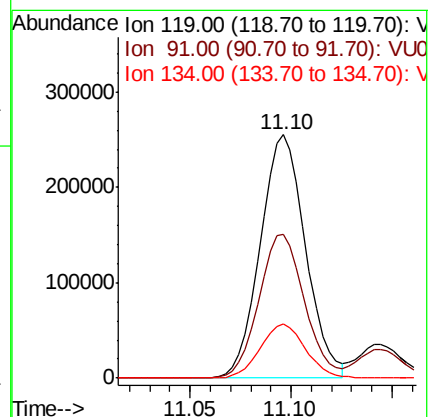
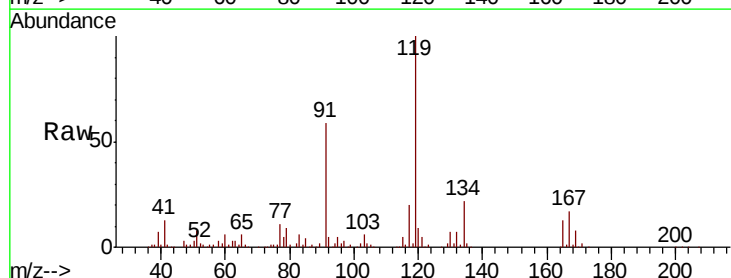
Tgt Ion:119 Resp: 399185

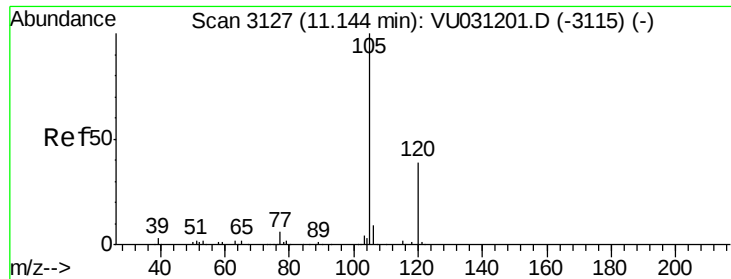
Ion Ratio Lower Upper

119 100

91 59.5 29.4 88.3

134 22.3 17.9 26.9





#78

1,2,4-Trimethylbenzene

Concen: 12.676 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

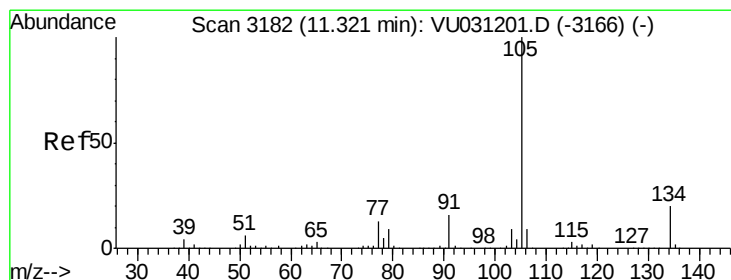
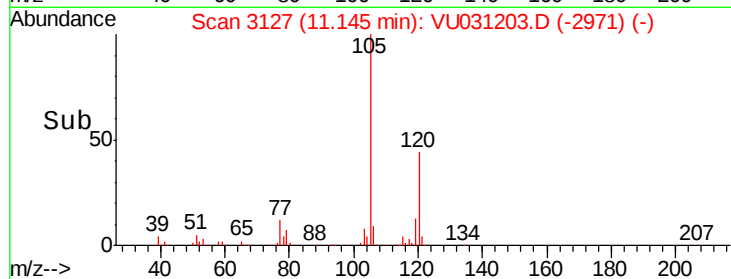
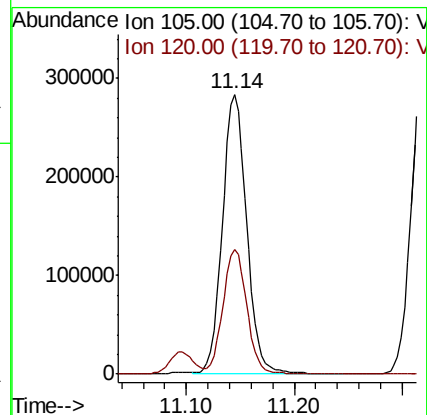
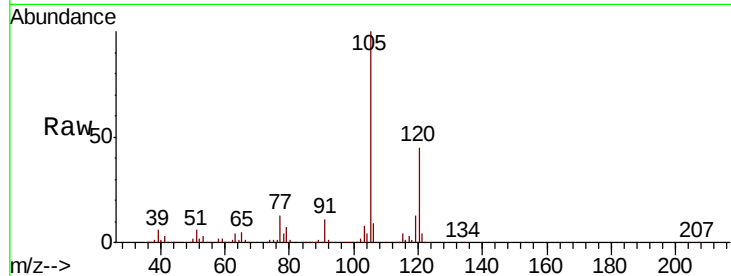
ICVVU041519

Tgt Ion:105 Resp: 442405

Ion Ratio Lower Upper

105 100

120 44.4 22.4 67.0



#79

sec-Butylbenzene

Concen: 11.272 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031203.D

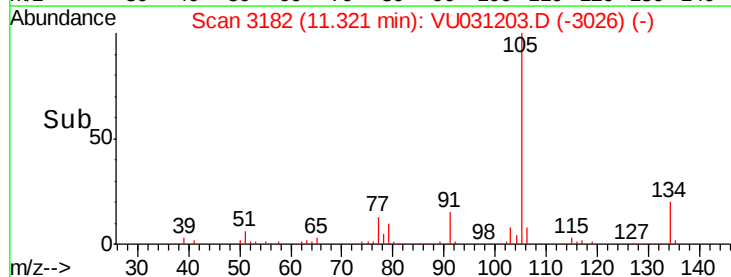
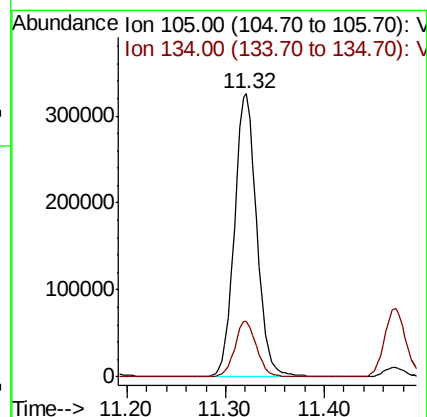
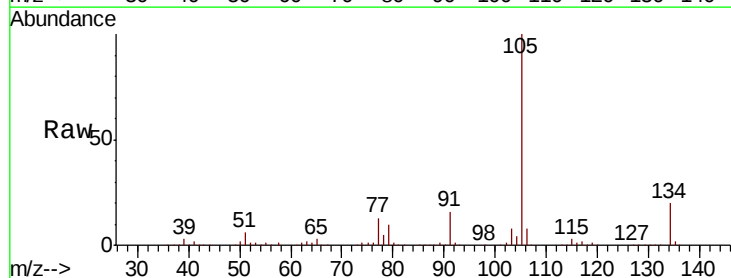
Acq: 15 Apr 2019 23:40

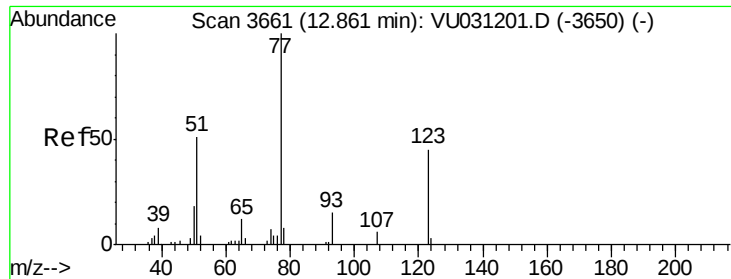
Tgt Ion:105 Resp: 513724

Ion Ratio Lower Upper

105 100

134 19.3 15.5 23.3

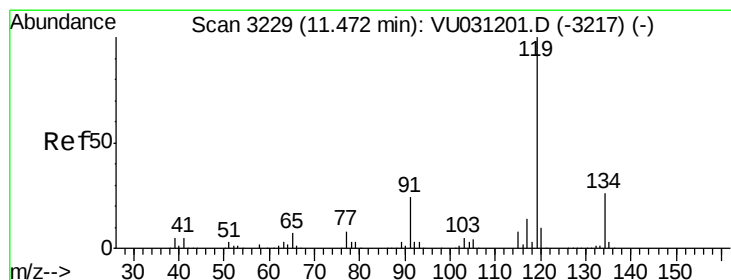
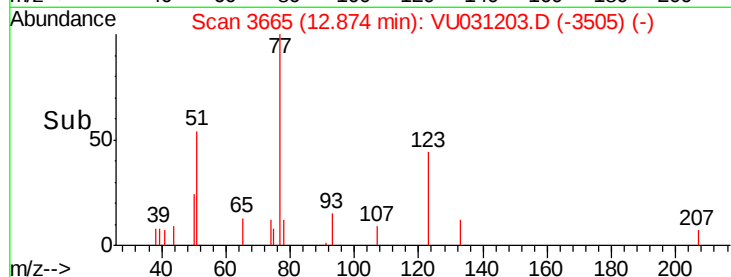
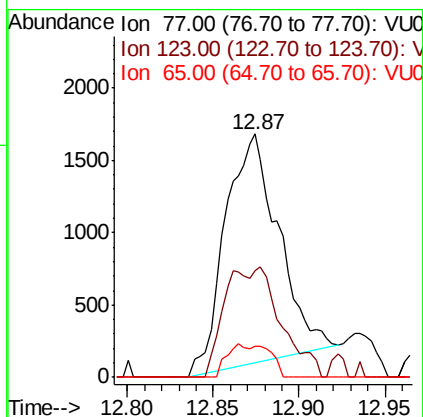
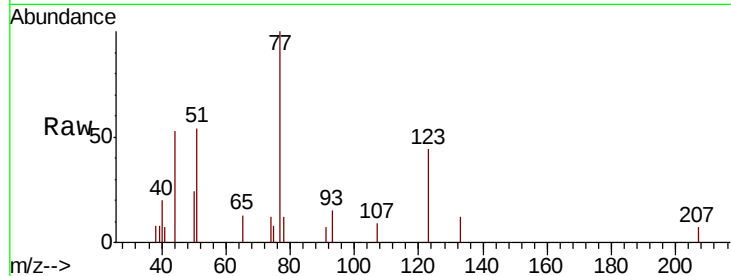




#80
Nitrobenzene
Concen: 12.195 ug/l
RT: 12.87 min Scan# 3665
Delta R.T. 0.01 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

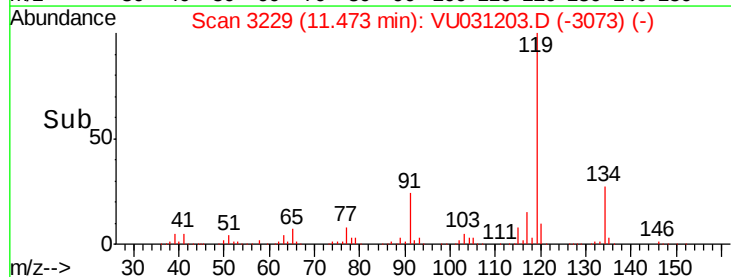
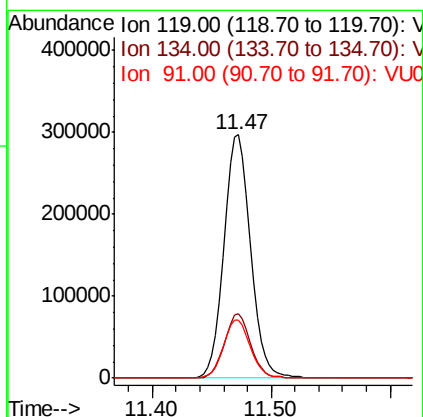
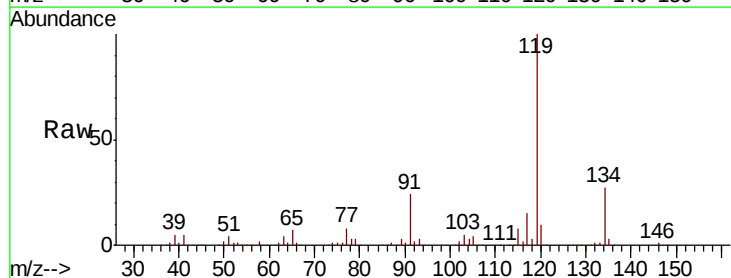
Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

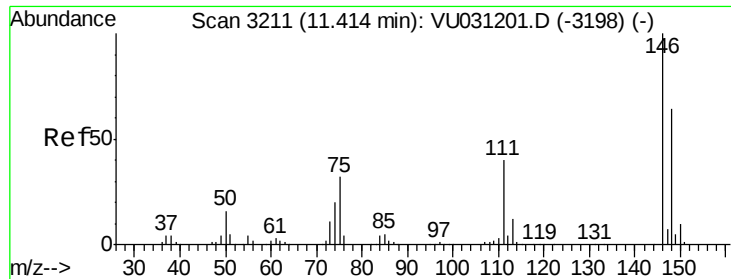
Tgt Ion: 77 Resp: 3438
Ion Ratio Lower Upper
77 100
123 24.6 17.1 60.7
65 0.0 9.4 12.0#



#81
p-Isopropyltoluene
Concen: 12.548 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 119 Resp: 459324
Ion Ratio Lower Upper
119 100
134 26.2 21.0 31.4
91 24.2 19.4 29.2

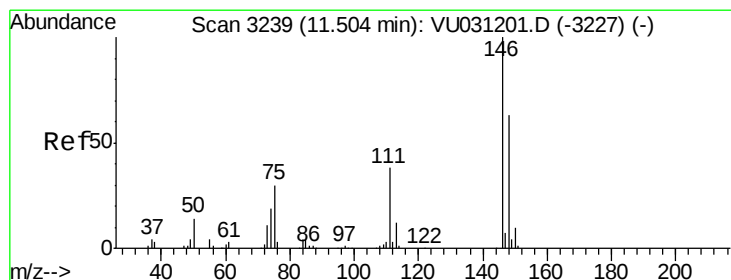
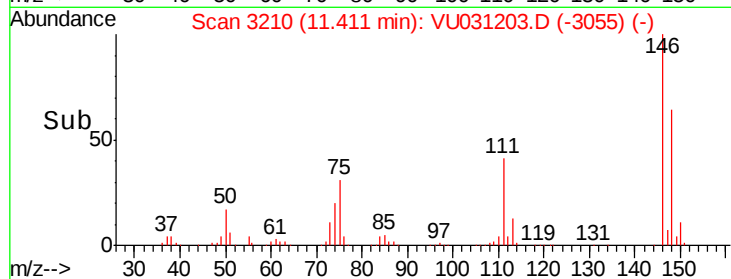
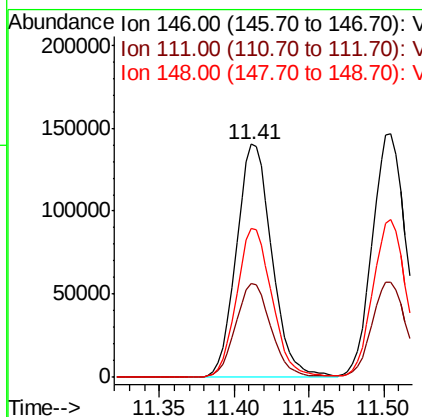
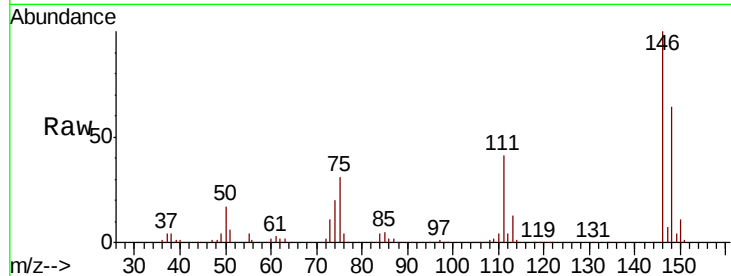




#82
 1,3-Dichlorobenzene
 Concen: 10.855 ug/l
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

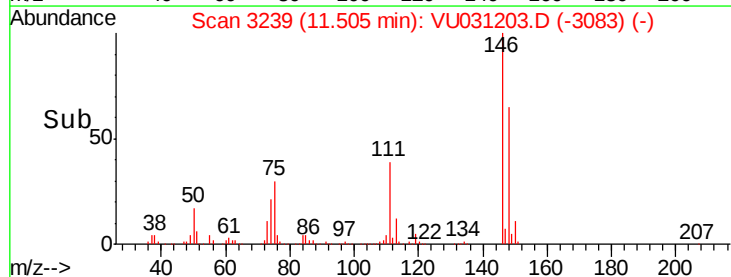
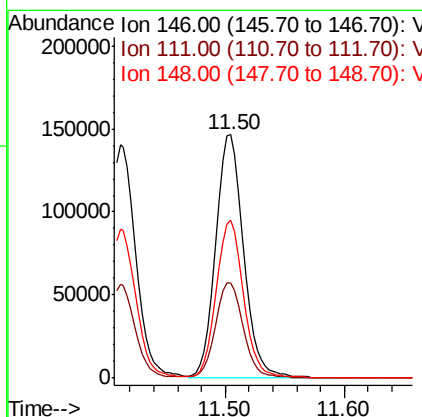
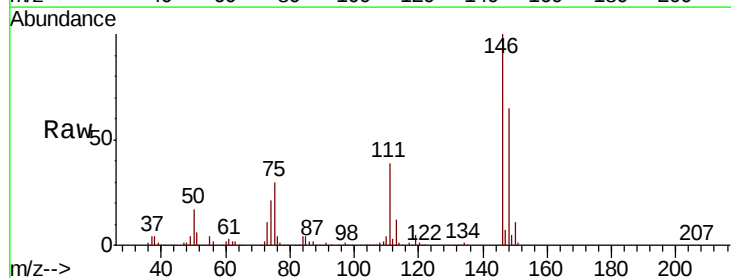
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

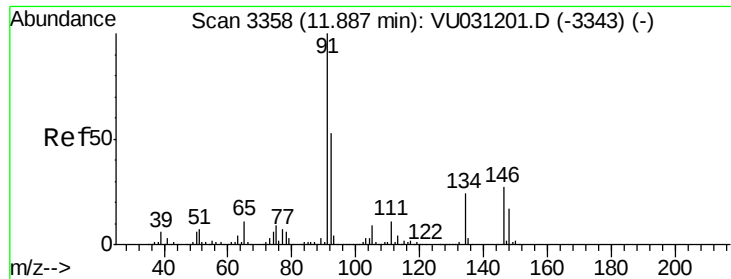
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.4	48.6
148	63.8	50.8	76.2



#83
 1,4-Dichlorobenzene
 Concen: 11.470 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	30.6	46.0
148	63.8	51.1	76.7

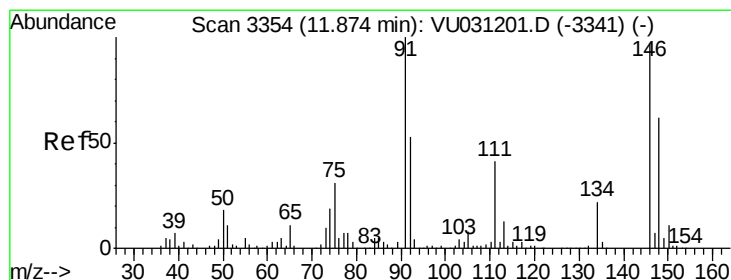
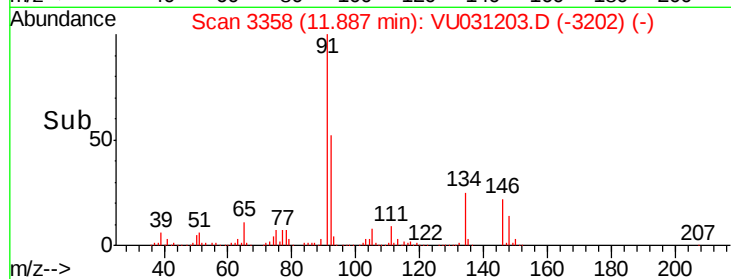
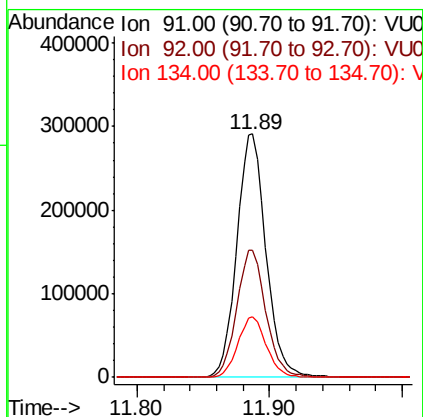
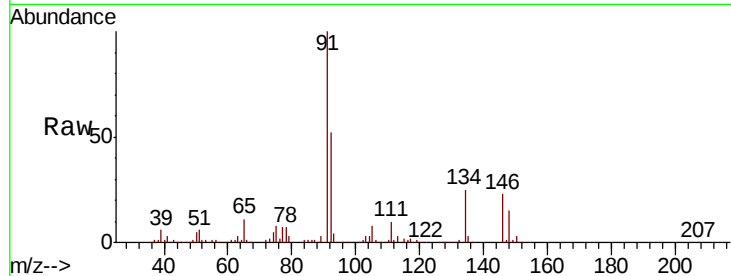




#84
n-Butylbenzene
Concen: 12.570 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

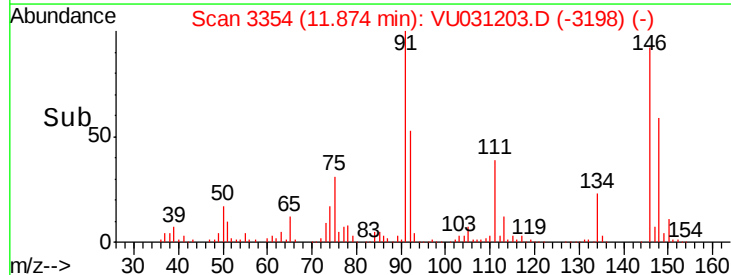
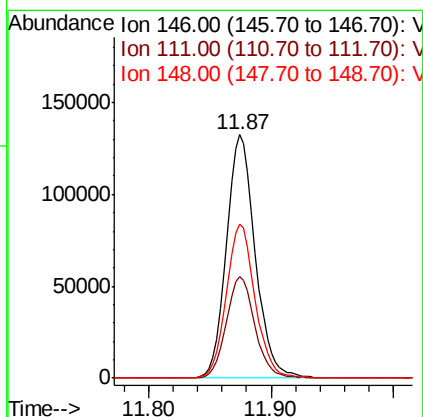
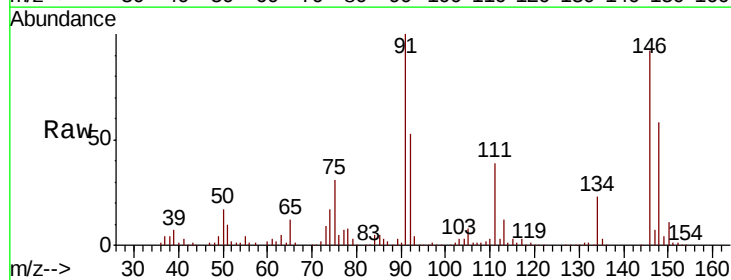
Instrument :
MSVOA_U
ClientSampleId :
ICVVU041519

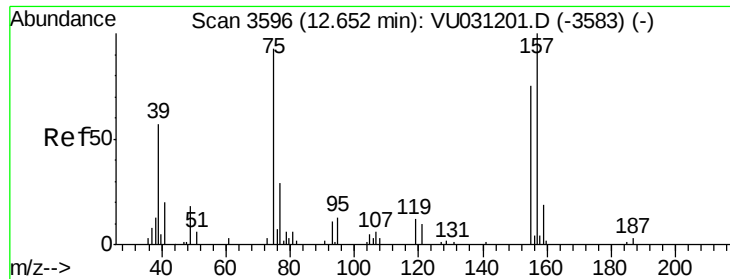
Tgt Ion: 91 Resp: 444654
Ion Ratio Lower Upper
91 100
92 52.3 42.6 63.8
134 24.5 19.1 28.7



#85
1,2-Dichlorobenzene
Concen: 10.932 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU031203.D
Acq: 15 Apr 2019 23:40

Tgt Ion: 146 Resp: 219134
Ion Ratio Lower Upper
146 100
111 41.5 20.8 62.5
148 63.4 31.4 94.3

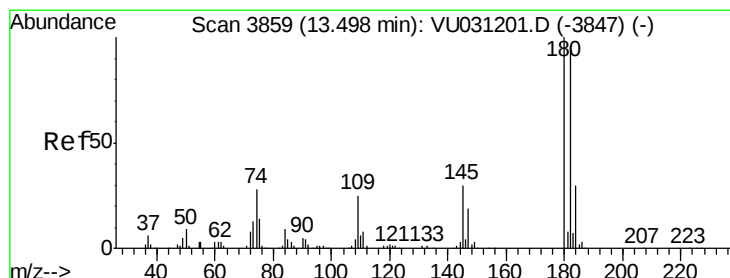
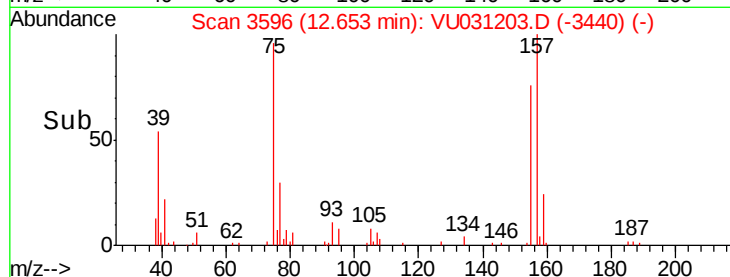
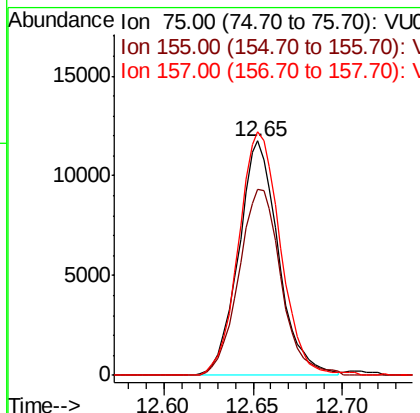
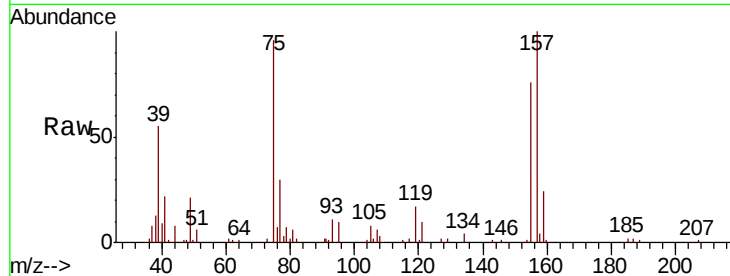




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.755 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

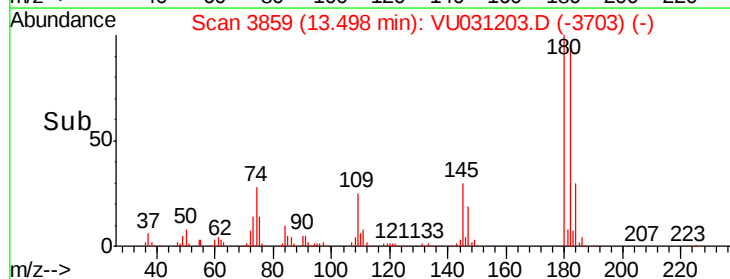
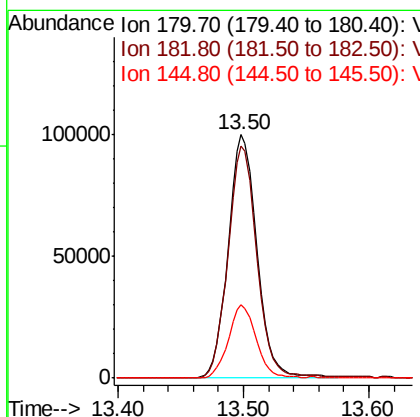
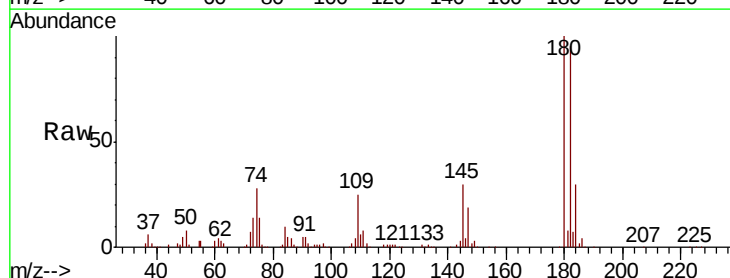
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

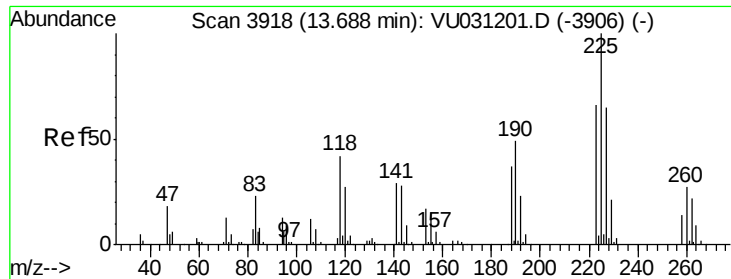
Tgt Ion: 75 Resp: 18264
 Ion Ratio Lower Upper
 75 100
 155 84.2 61.7 92.5
 157 108.8 81.3 121.9



#87
 1,2,4-Trichlorobenzene
 Concen: 13.021 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Tgt Ion: 180 Resp: 159536
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.0 112.6
 145 29.1 23.4 35.2





#88

Hexachlorobutadiene

Concen: 10.849 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

Instrument :

MSVOA_U

ClientSampleId :

ICVVU041519

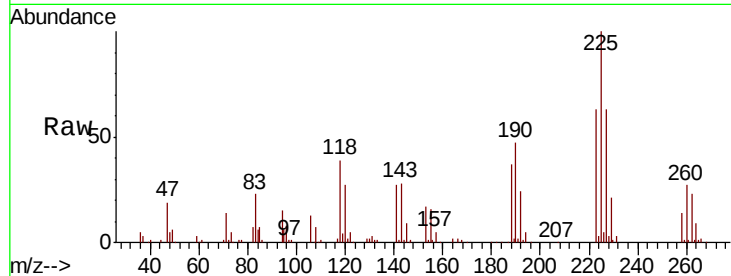
Tgt Ion:225 Resp: 88792

Ion Ratio Lower Upper

225 100

223 63.1 51.4 77.2

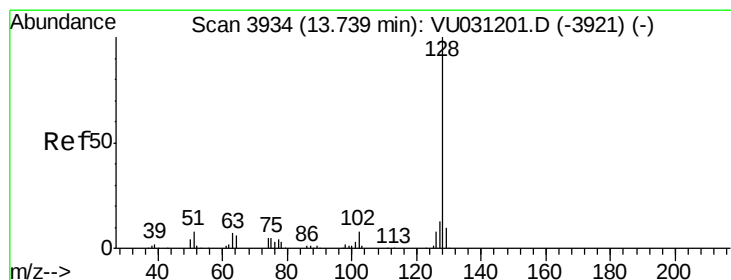
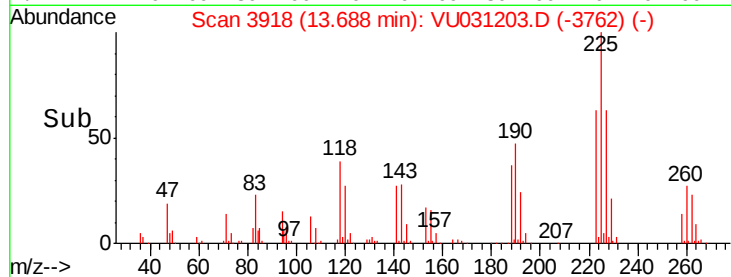
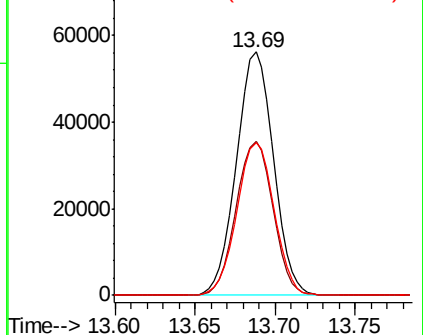
227 62.9 51.2 76.8



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: 11.185 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031203.D

Acq: 15 Apr 2019 23:40

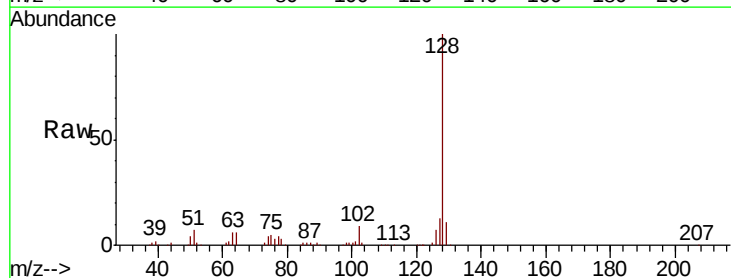
Tgt Ion:128 Resp: 307141

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

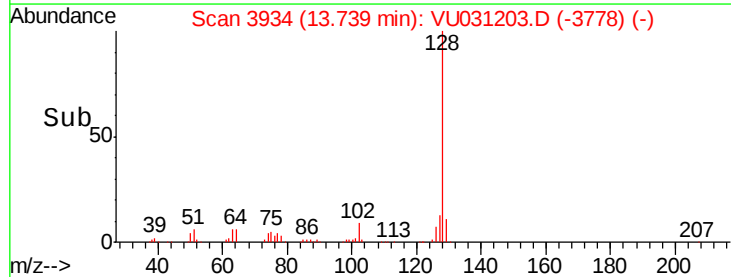
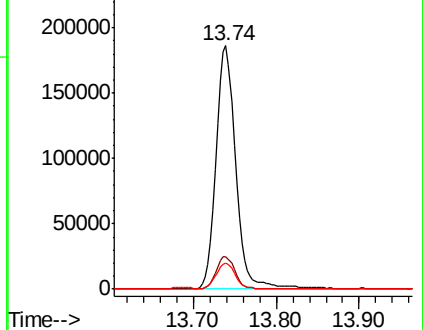
129 10.3 8.3 12.5

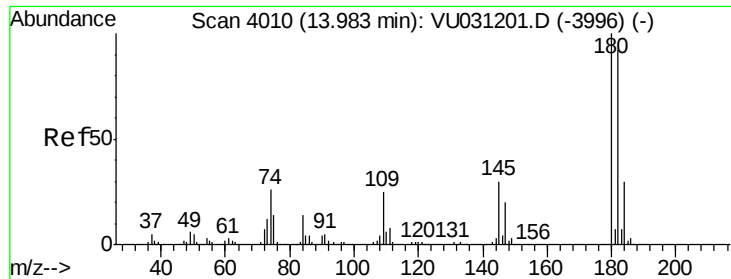


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 12.386 ug/l
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU031203.D
 Acq: 15 Apr 2019 23:40

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.3	25.3	37.9

