

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025012.D
 Acq On : 28 Jun 2018 11:50
 Operator : MD/SY
 Sample : VU0628WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Quant Time: Jun 29 05:03:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	183678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148969	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138820	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	4.89	113	110274	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	7.57	98	370296	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	10.31	95	150598	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	38341	16.677 ug/l	98
3) Chloromethane	1.33	50	40009	17.034 ug/l	99
4) Vinyl Chloride	1.40	62	42514	17.551 ug/l	98
5) Bromomethane	1.62	94	28246	24.121 ug/l	100
6) Chloroethane	1.70	64	28196	20.203 ug/l	99
7) Trichlorofluoromethane	1.89	101	71998	19.476 ug/l	99
8) Diethyl Ether	2.10	74	27195	20.507 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43995	19.183 ug/l	98
10) Methyl Iodide	2.41	142	45829	26.403 ug/l	99
11) Tert butyl alcohol	2.82	59	65492	89.803 ug/l	100
12) 1,1-Dichloroethene	2.28	96	39231	18.758 ug/l	97
13) Acrolein	2.20	56	13122	34.264 ug/l	97
14) Allyl chloride	2.60	41	67381	17.352 ug/l	99
15) Acrylonitrile	2.94	53	136322	96.076 ug/l	98
16) Acetone	2.32	43	160949	99.898 ug/l	97
17) Carbon Disulfide	2.48	76	113026	16.877 ug/l	98
18) Methyl Acetate	2.62	43	77922	22.560 ug/l	99
19) Methyl tert-butyl Ether	3.00	73	158570	20.170 ug/l	94
20) Methylene Chloride	2.71	84	48893	19.341 ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	44070	19.132 ug/l	97
22) Diisopropyl ether	3.57	45	152986	19.874 ug/l	92
23) Vinyl Acetate	3.53	43	644206	93.420 ug/l	100
24) 1,1-Dichloroethane	3.45	63	85754	19.364 ug/l	99
25) 2-Butanone	4.26	43	211254	97.617 ug/l	98
26) 2,2-Dichloropropane	4.23	77	80923	19.244 ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	53156	20.072 ug/l	99
28) Bromochloromethane	4.55	49	40291	20.656 ug/l	87
29) Tetrahydrofuran	4.64	42	125922	93.960 ug/l	97
30) Chloroform	4.68	83	90236	20.132 ug/l	100
31) Cyclohexane	5.00	56	79984	19.120 ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	84001	20.266 ug/l	96
36) 1,1-Dichloropropene	5.14	75	62803	19.786 ug/l	98
37) Ethyl Acetate	4.38	43	71808	20.756 ug/l	96
38) Carbon Tetrachloride	5.14	117	73149	20.956 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	82204	20.753	ug/l	95
40) Benzene	5.39	78	186495	20.619	ug/l	100
41) Methacrylonitrile	4.54	41	41678	22.344	ug/l	100
42) 1,2-Dichloroethane	5.41	62	79085	22.958	ug/l	99
43) Isopropyl Acetate	5.55	43	119952	20.058	ug/l	99
44) Trichloroethene	6.19	130	52852	20.532	ug/l	93
45) 1,2-Dichloropropane	6.44	63	50614	20.973	ug/l	97
46) Dibromomethane	6.56	93	37186	21.937	ug/l	95
47) Bromodichloromethane	6.76	83	69291	20.527	ug/l	99
48) Methyl methacrylate	6.63	41	59939	20.584	ug/l	97
49) 1,4-Dioxane	6.62	88	26805	470.699	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	379036	100.887	ug/l	98
52) Toluene	7.64	92	120253	20.665	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	74771	19.725	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	78805	19.510	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	50055	21.162	ug/l	100
56) Ethyl methacrylate	8.02	69	78227	19.759	ug/l	97
57) 1,3-Dichloropropane	8.25	76	84183	21.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	43114	28.426	ug/l	94
59) 2-Hexanone	8.36	43	307425	100.228	ug/l	98
60) Dibromochloromethane	8.48	129	56153	19.037	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54725	20.786	ug/l	98
64) Tetrachloroethene	8.23	164	49724	20.789	ug/l	99
65) Chlorobenzene	9.12	112	138567	21.556	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51478	21.079	ug/l	98
67) Ethyl Benzene	9.25	91	239459	21.249	ug/l	98
68) m/p-Xylenes	9.38	106	187507	43.331	ug/l	97
69) o-Xylene	9.78	106	92155	21.518	ug/l	97
70) Styrene	9.80	104	146108	20.761	ug/l	99
71) Bromoform	9.96	173	43168	18.597	ug/l #	99
73) Isopropylbenzene	10.17	105	247141	21.608	ug/l	98
74) N-amyl acetate	10.01	43	101741	18.702	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	81315	21.216	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	97506	29.730	ug/l	80
77) Bromobenzene	10.45	156	62498	21.585	ug/l	95
78) n-propylbenzene	10.59	91	279045	20.712	ug/l	97
79) 2-Chlorotoluene	10.66	91	170083	21.407	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	217587	21.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	97506	68.807	ug/l #	100
82) 4-Chlorotoluene	10.78	91	196338	21.232	ug/l	99
83) tert-Butylbenzene	11.10	119	212457	22.280	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	217038	21.484	ug/l	100
85) sec-Butylbenzene	11.33	105	257173	21.546	ug/l	99
86) p-Isopropyltoluene	11.48	119	225102	21.057	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	112995	21.123	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	114728	21.308	ug/l	99
89) n-Butylbenzene	11.89	91	181604	19.134	ug/l	98
90) Hexachloroethane	12.15	117	38812	18.611	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	116968	21.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20888	19.752	ug/l	98

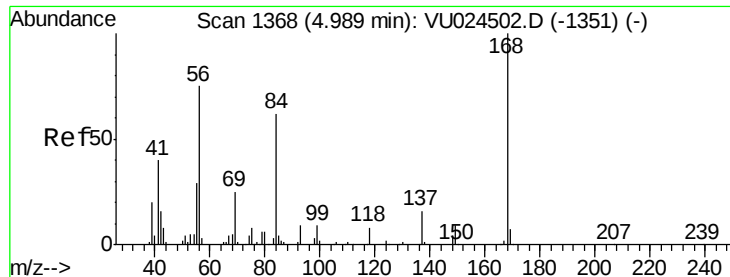
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
Data File : VU025012.D
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	74349	22.470	ug/l	99
94) Hexachlorobutadiene	13.70	225	40447	21.718	ug/l	99
95) Naphthalene	13.75	128	241282	22.407	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	77446	23.490	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

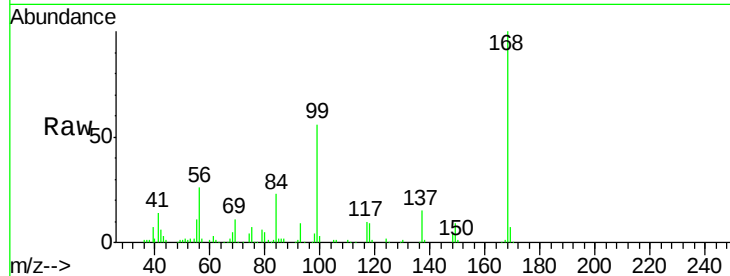
VU0628WBS01

Tgt Ion:168 Resp: 183678

Ion Ratio Lower Upper

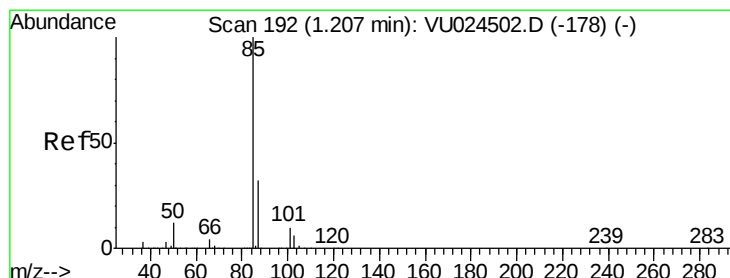
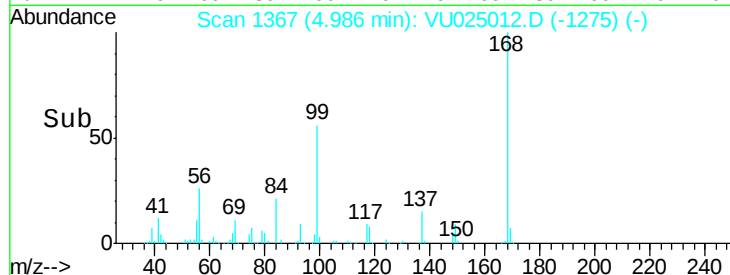
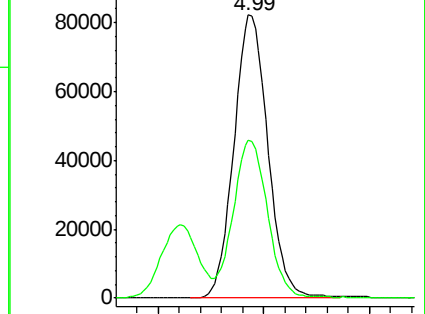
168 100

99 55.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 16.677 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025012.D

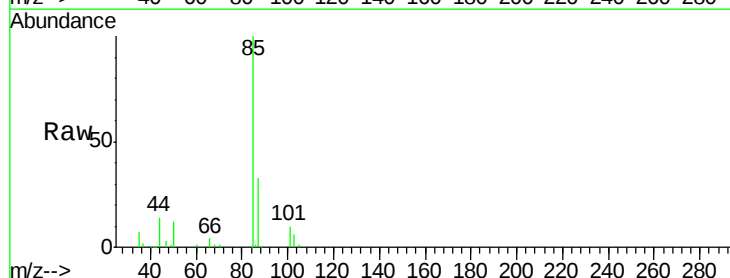
Acq: 28 Jun 2018 11:50

Tgt Ion: 85 Resp: 38341

Ion Ratio Lower Upper

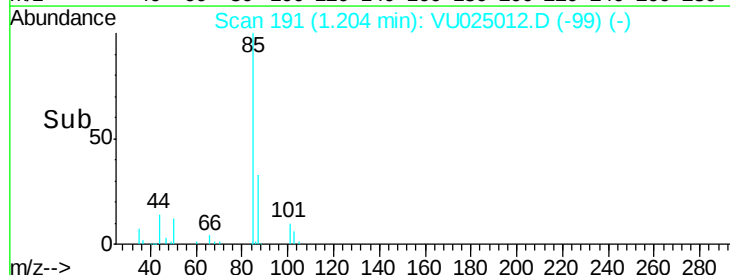
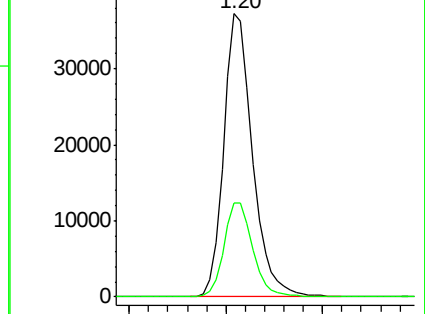
85 100

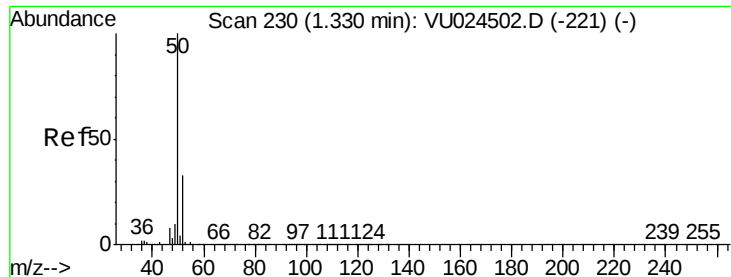
87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 17.034 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

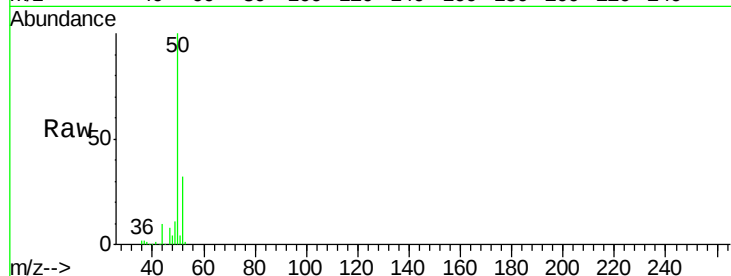
VU0628WBS01

Tgt Ion: 50 Resp: 40009

Ion Ratio Lower Upper

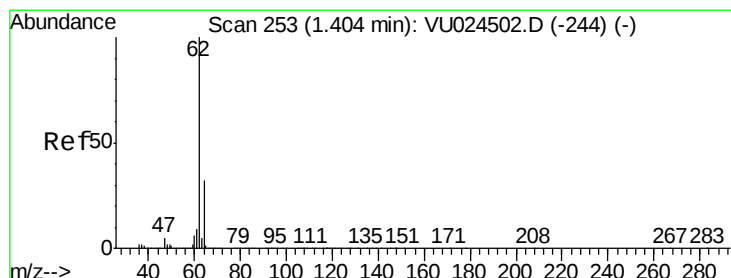
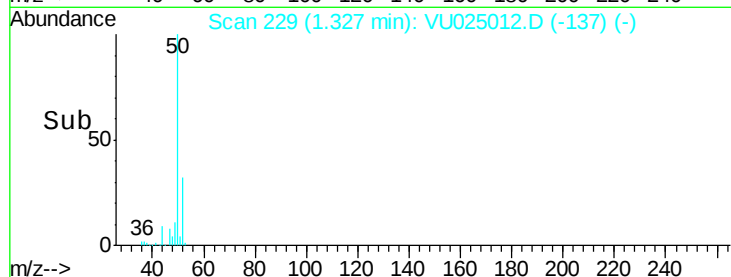
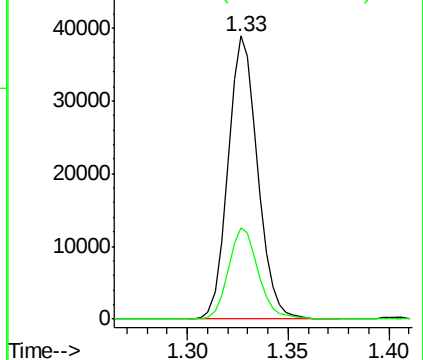
50 100

52 32.5 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.551 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025012.D

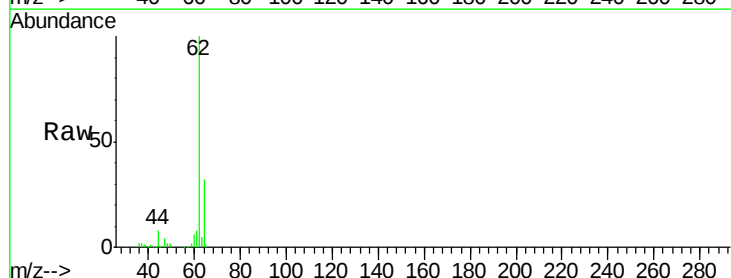
Acq: 28 Jun 2018 11:50

Tgt Ion: 62 Resp: 42514

Ion Ratio Lower Upper

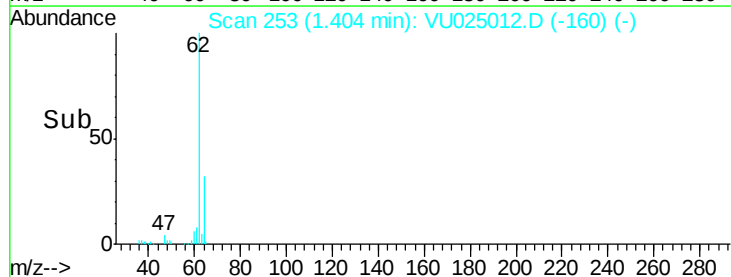
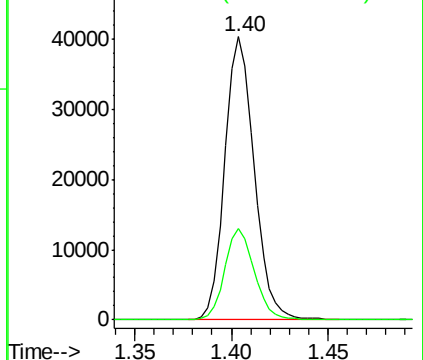
62 100

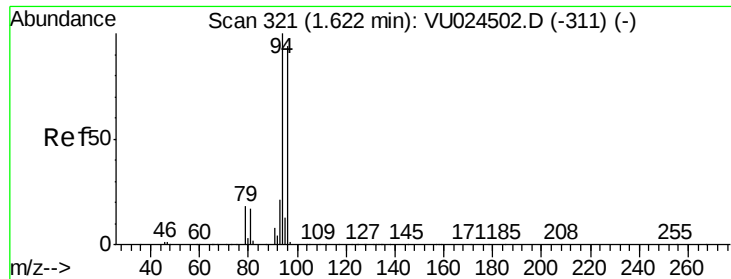
64 32.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 24.121 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

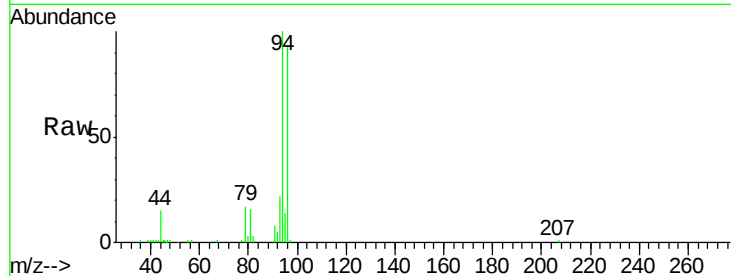
VU0628WBS01

Tgt Ion: 94 Resp: 28246

Ion Ratio Lower Upper

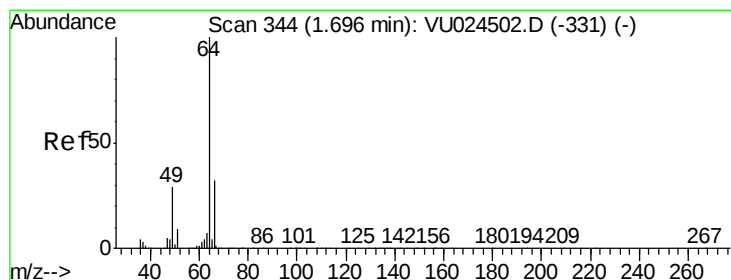
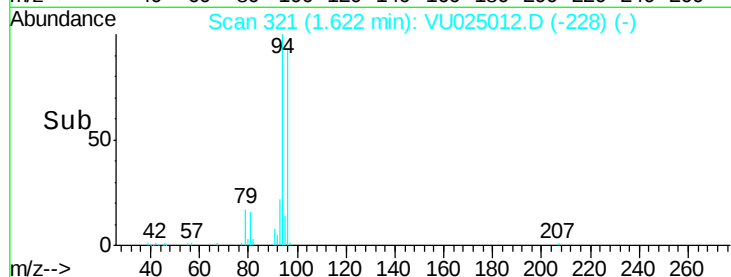
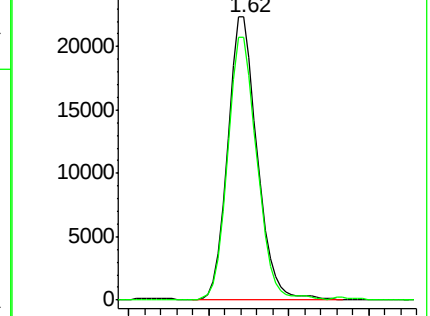
94 100

96 92.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.203 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025012.D

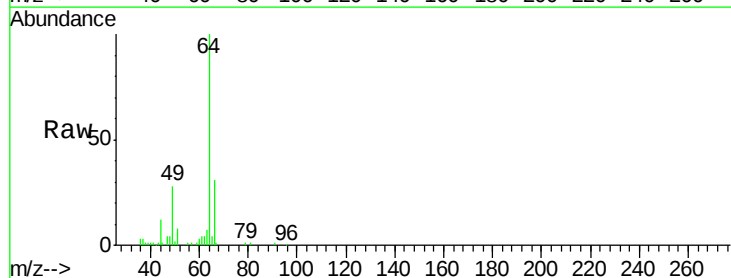
Acq: 28 Jun 2018 11:50

Tgt Ion: 64 Resp: 28196

Ion Ratio Lower Upper

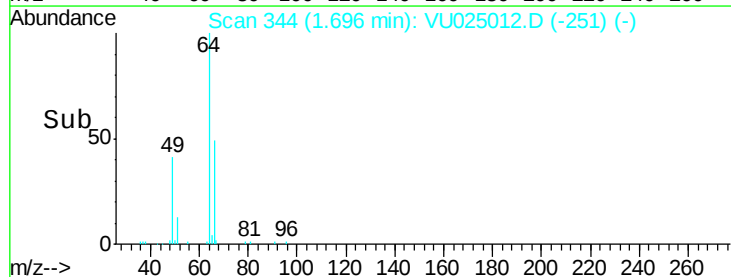
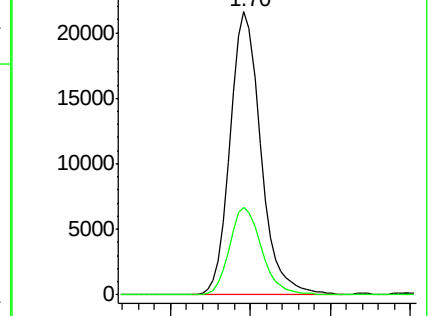
64 100

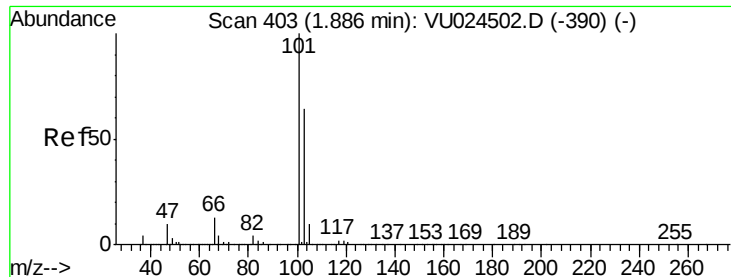
66 31.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



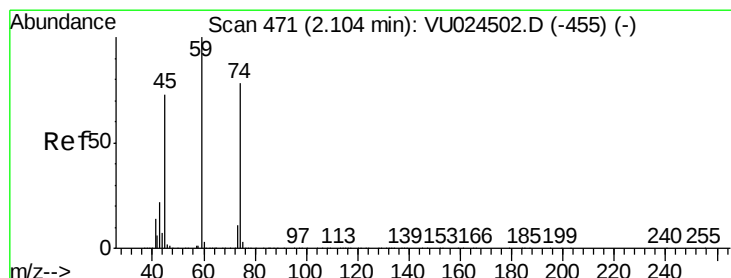
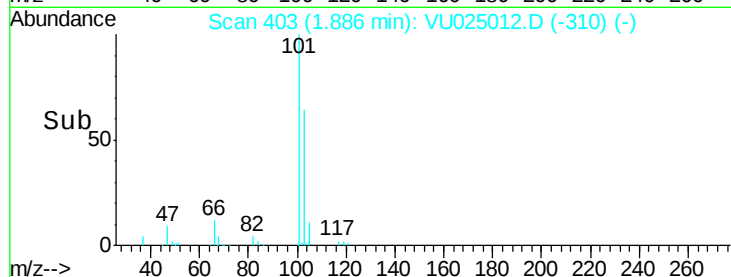
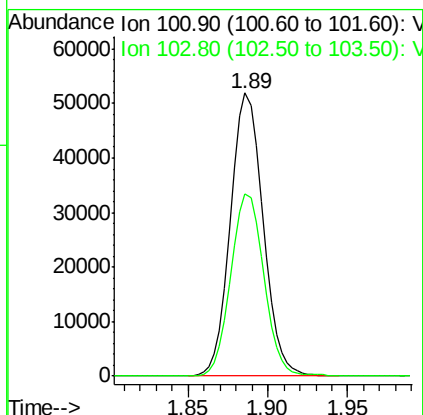
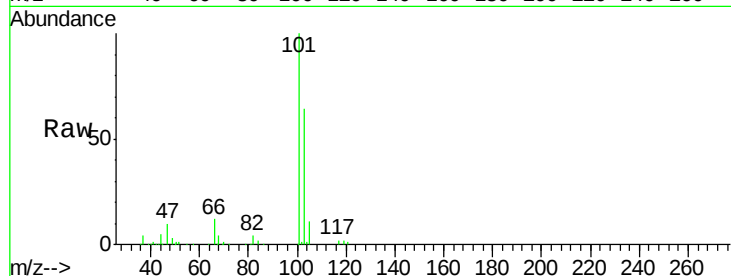


#7

Trichlorofluoromethane
 Concen: 19.476 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

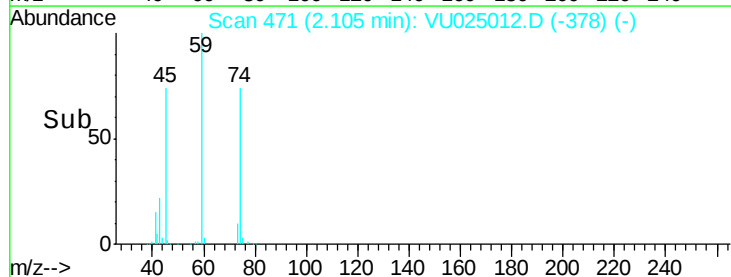
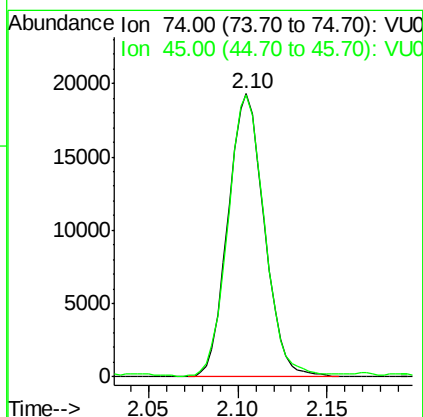
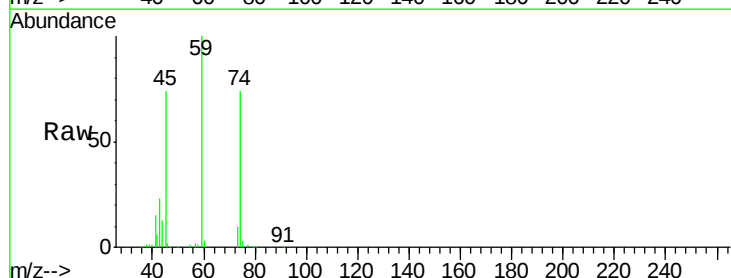
Tgt Ion:101 Resp: 71998
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

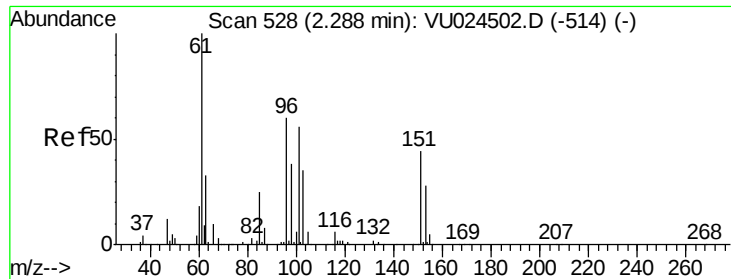


#8

Diethyl Ether
 Concen: 20.507 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 74 Resp: 27195
 Ion Ratio Lower Upper
 74 100
 45 101.3 55.0 165.0

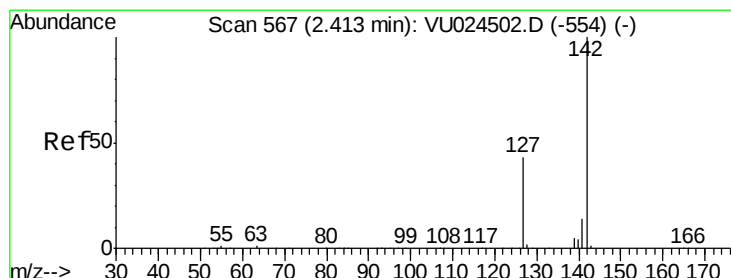
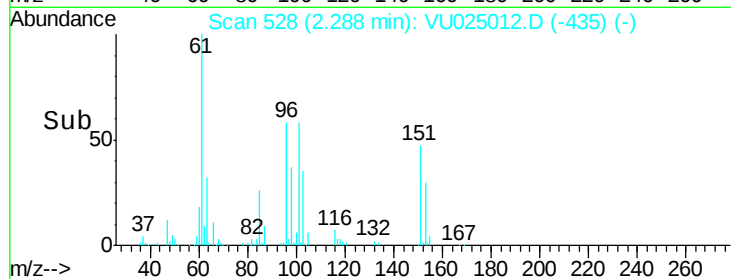
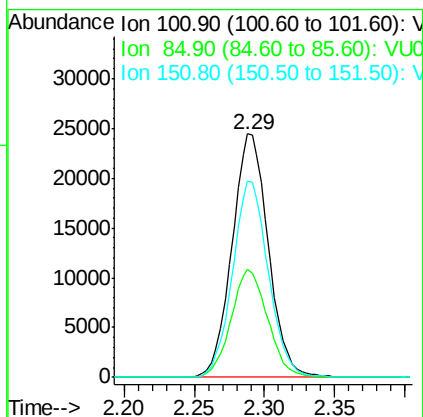
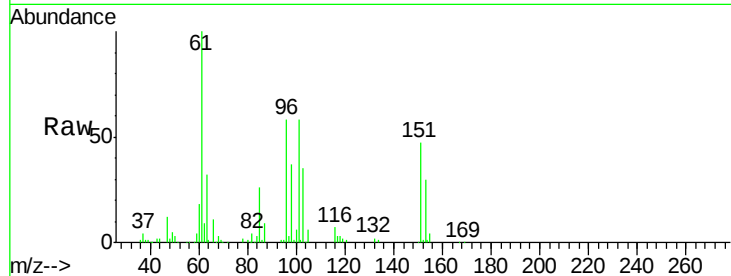




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.183 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

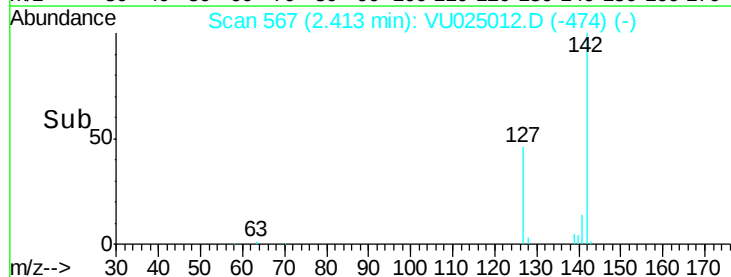
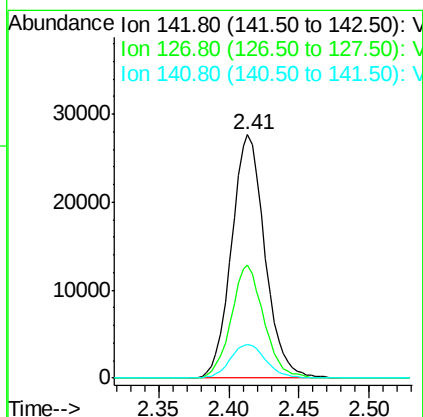
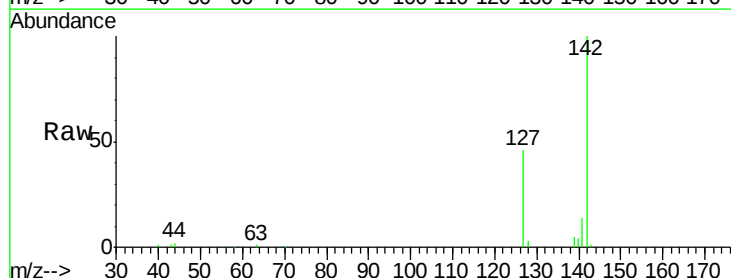
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

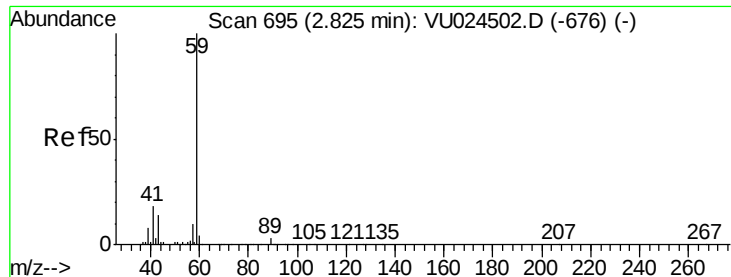
Tgt Ion:101 Resp: 43995
 Ion Ratio Lower Upper
 101 100
 85 44.3 36.0 54.0
 151 79.8 62.3 93.5



#10
 Methyl Iodide
 Concen: 26.403 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion:142 Resp: 45829
 Ion Ratio Lower Upper
 142 100
 127 45.4 35.6 53.4
 141 14.6 11.7 17.5

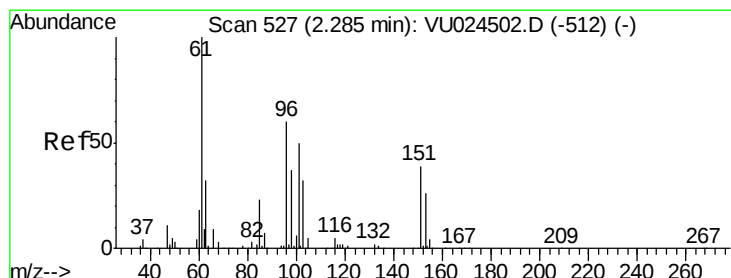
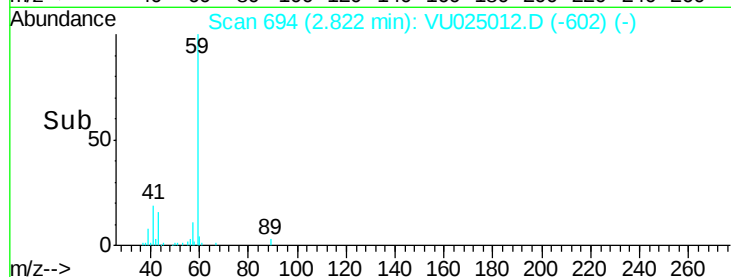
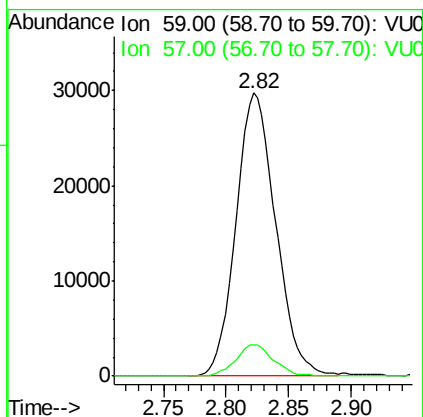
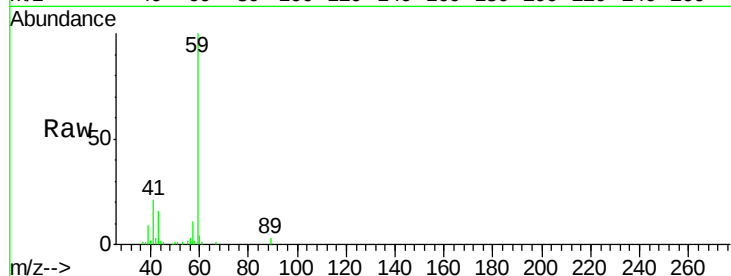




#11
Tert butyl alcohol
Concen: 89.803 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

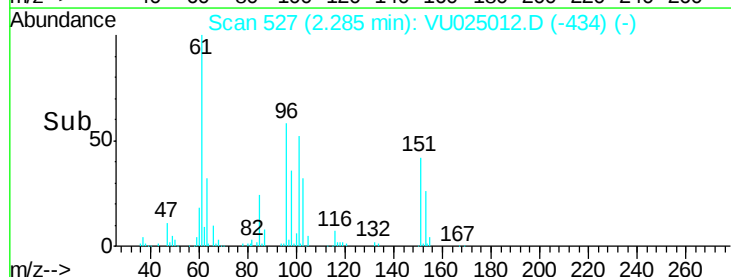
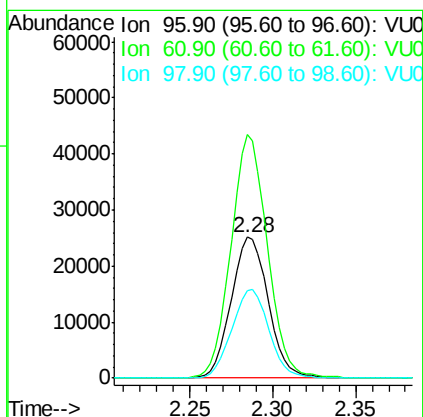
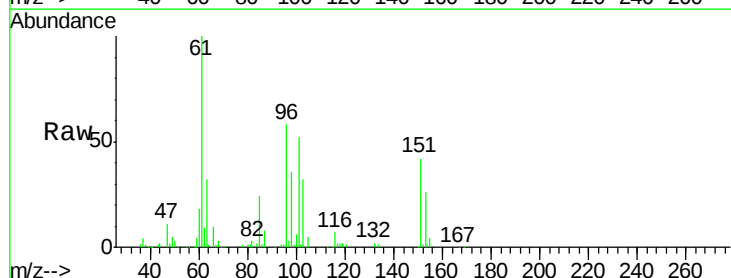
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

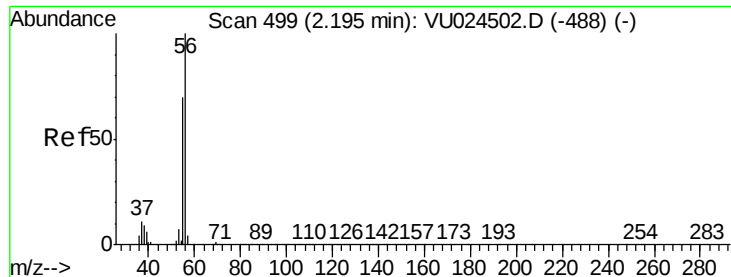
Tgt Ion: 59 Resp: 65492
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.758 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 96 Resp: 39231
Ion Ratio Lower Upper
96 100
61 173.0 141.7 212.5
98 62.0 51.6 77.4





#13

Acrolein

Concen: 34.264 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

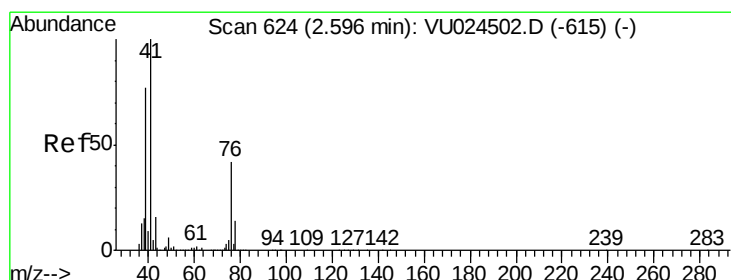
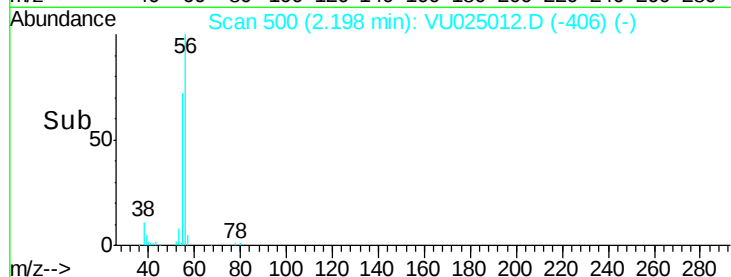
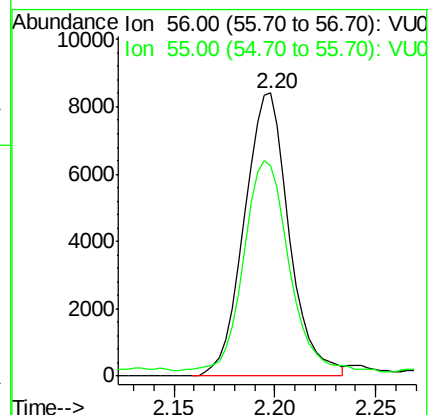
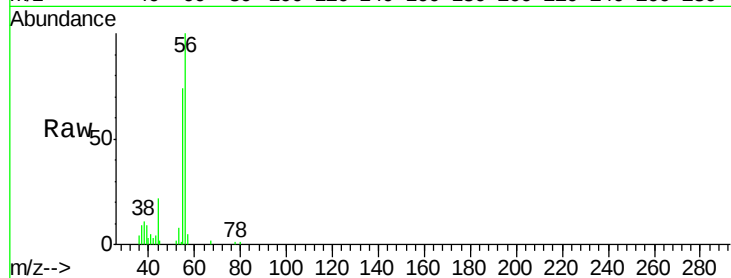
VU0628WBS01

Tgt Ion: 56 Resp: 13122

Ion Ratio Lower Upper

56 100

55 75.6 58.4 87.6



#14

Allyl chloride

Concen: 17.352 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

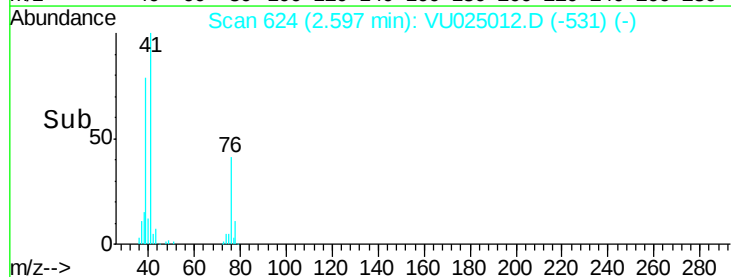
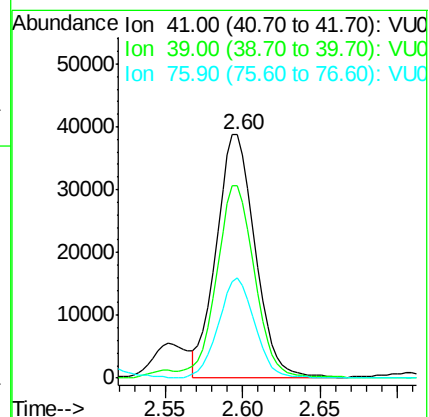
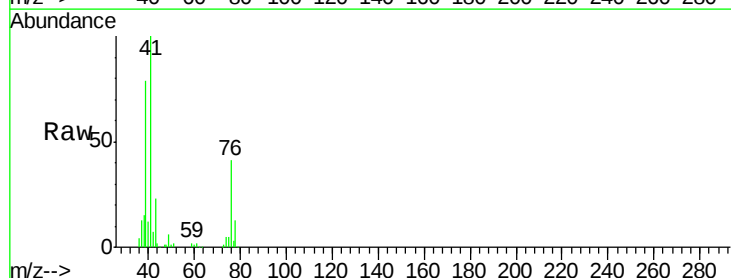
Tgt Ion: 41 Resp: 67381

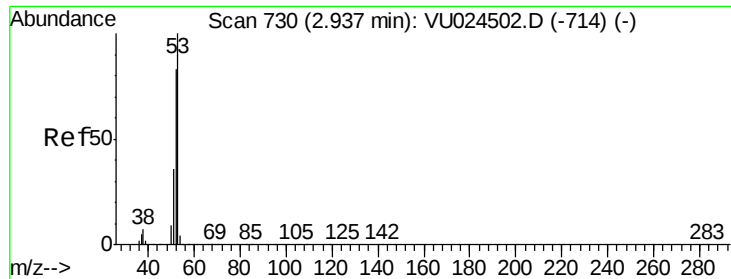
Ion Ratio Lower Upper

41 100

39 76.7 61.6 92.4

76 38.6 29.7 44.5





#15

Acrylonitrile

Concen: 96.076 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

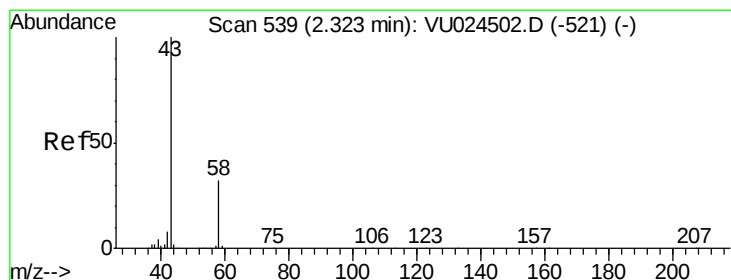
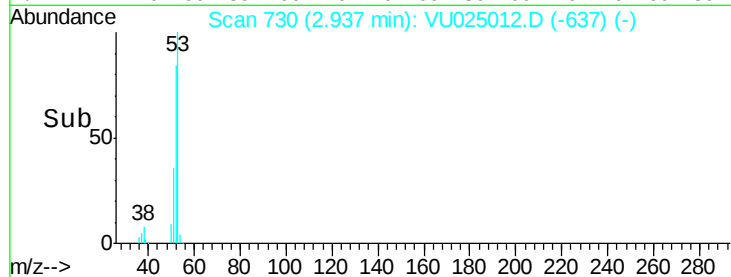
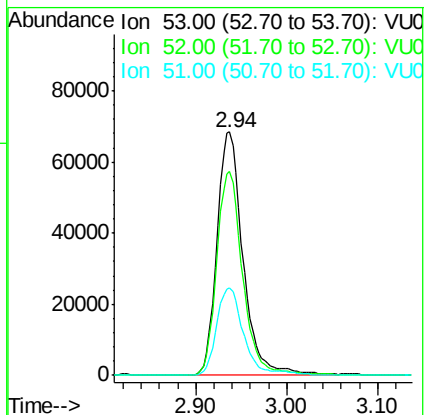
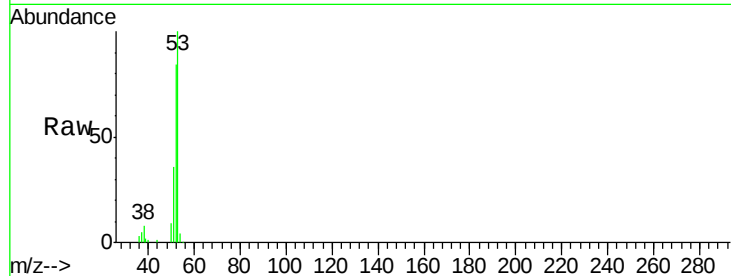
Tgt Ion: 53 Resp: 136322

Ion Ratio Lower Upper

53 100

52 83.2 67.1 100.7

51 37.7 28.4 42.6



#16

Acetone

Concen: 99.898 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025012.D

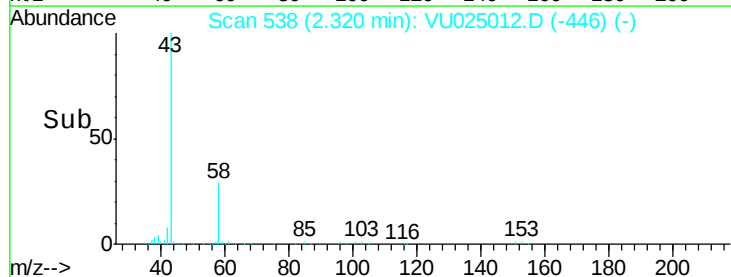
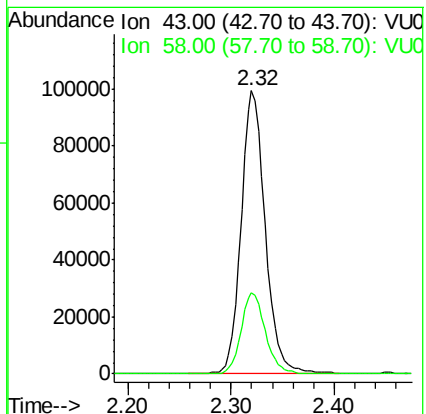
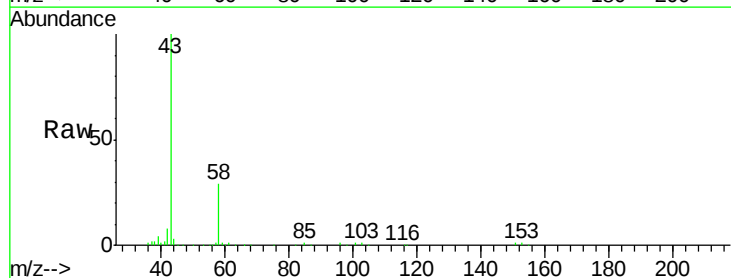
Acq: 28 Jun 2018 11:50

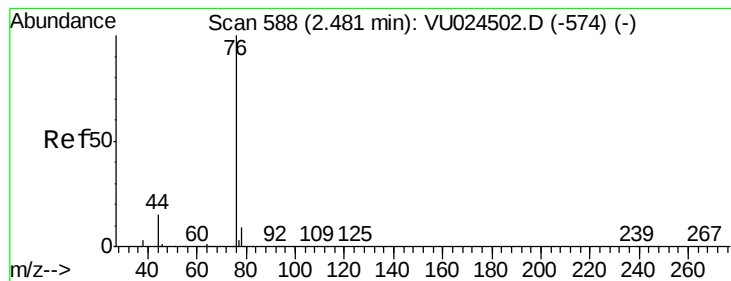
Tgt Ion: 43 Resp: 160949

Ion Ratio Lower Upper

43 100

58 28.6 24.4 36.6





#17

Carbon Disulfide

Concen: 16.877 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

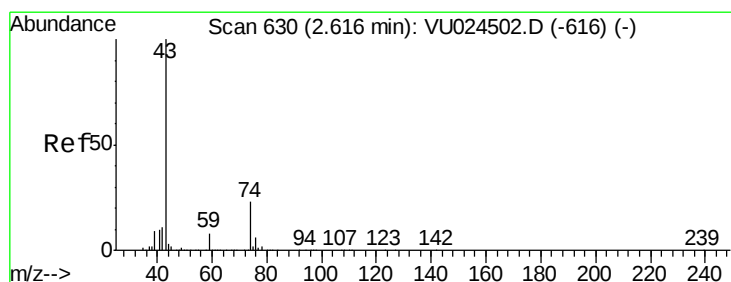
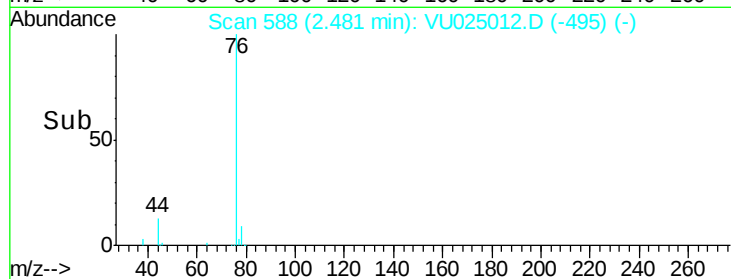
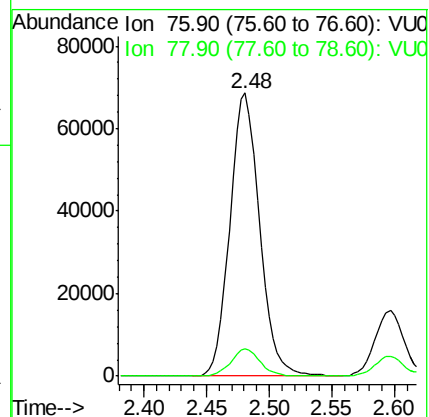
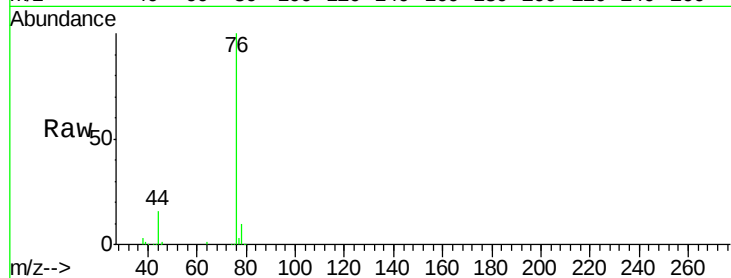
VU0628WBS01

Tgt Ion: 76 Resp: 113026

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



#18

Methyl Acetate

Concen: 22.560 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025012.D

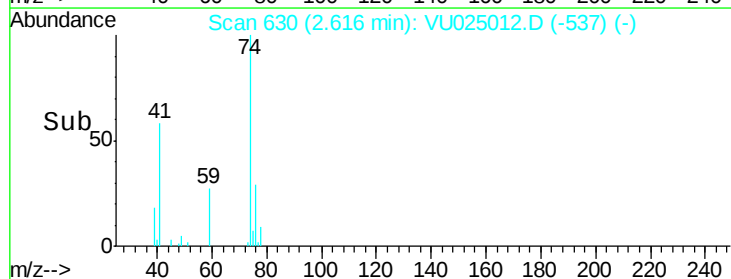
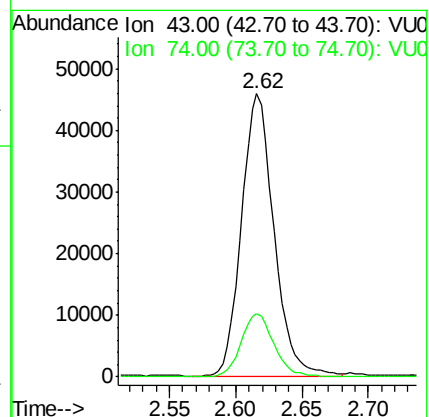
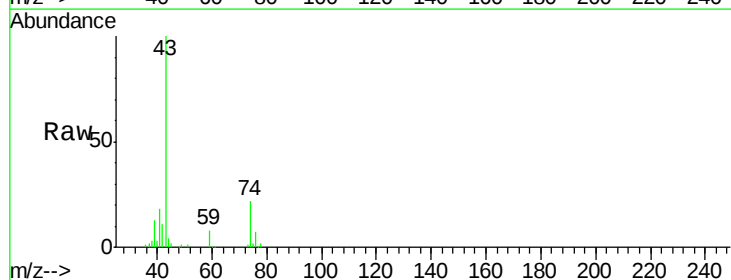
Acq: 28 Jun 2018 11:50

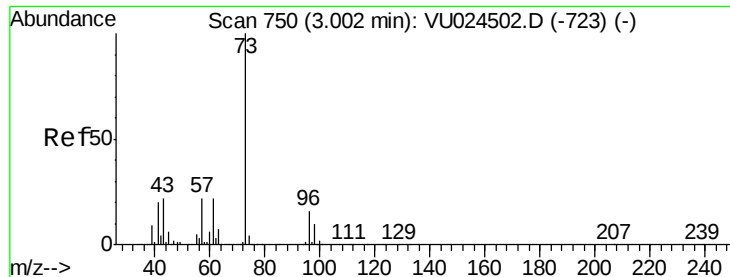
Tgt Ion: 43 Resp: 77922

Ion Ratio Lower Upper

43 100

74 22.8 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 20.170 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

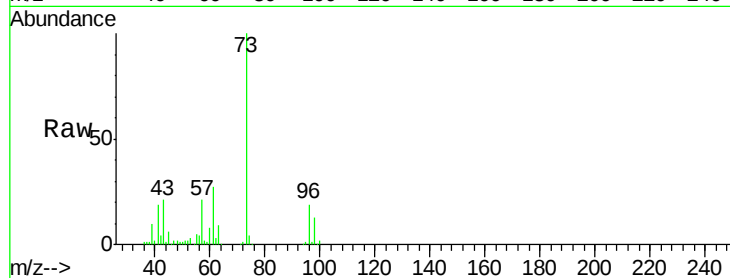
VU0628WBS01

Tgt Ion: 73 Resp: 158570

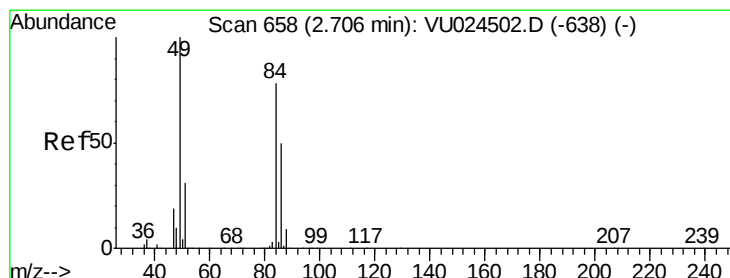
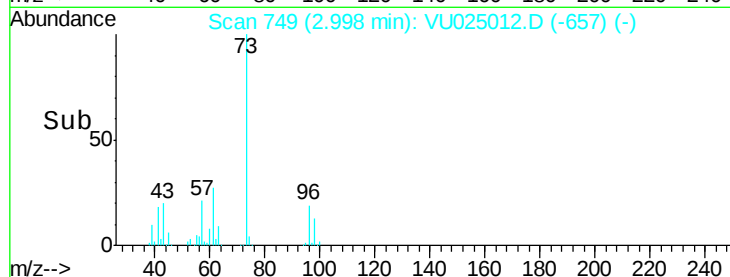
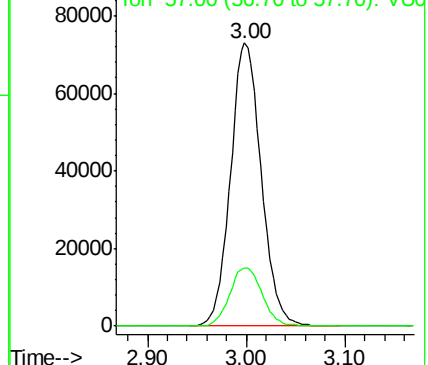
Ion Ratio Lower Upper

73 100

57 20.7 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU025012.D (-657) (-)



#20

Methylene Chloride

Concen: 19.341 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion: 84 Resp: 48893

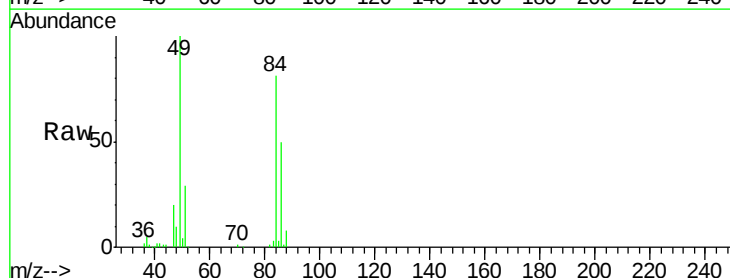
Ion Ratio Lower Upper

84 100

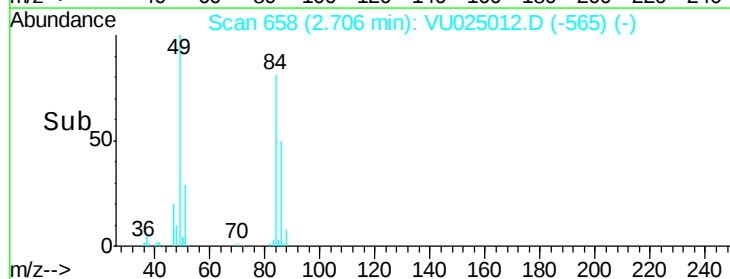
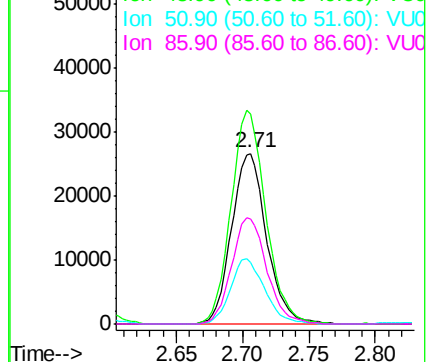
49 123.2 103.8 155.8

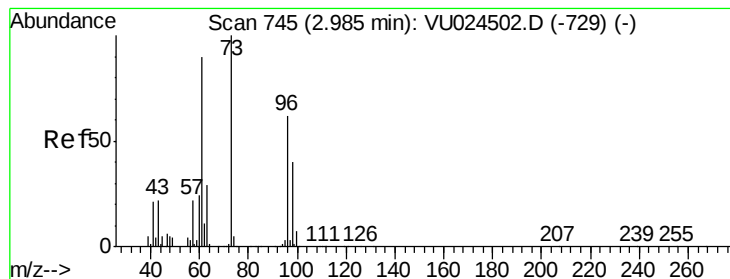
51 36.1 32.0 48.0

86 61.4 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU025012.D (-565) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.132 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

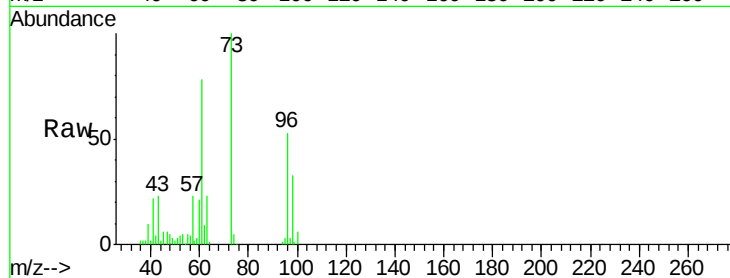
Tgt Ion: 96 Resp: 44070

Ion Ratio Lower Upper

96 100

61 145.6 119.4 179.0

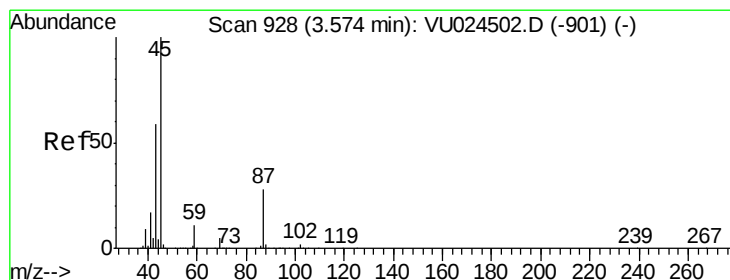
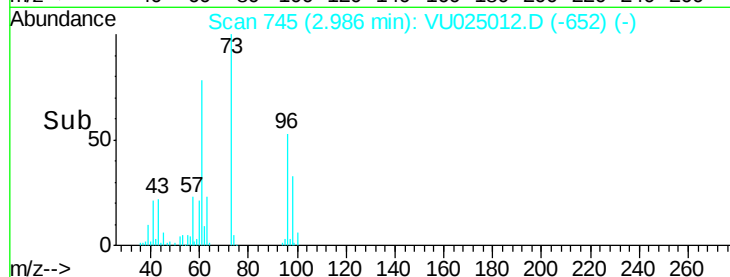
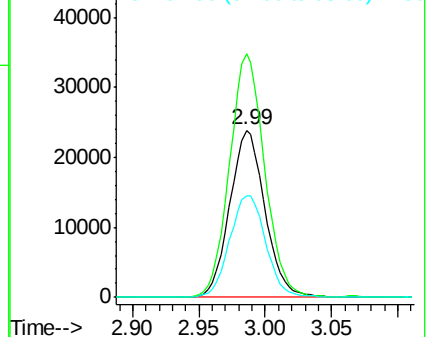
98 61.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.874 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion: 45 Resp: 152986

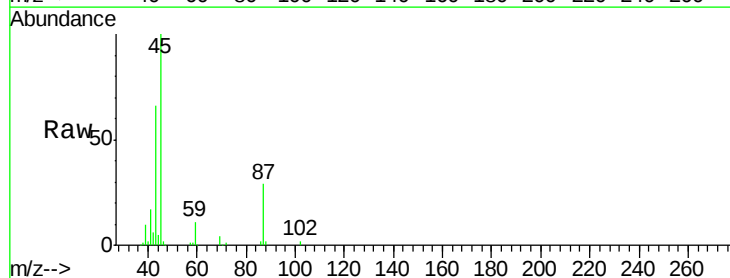
Ion Ratio Lower Upper

45 100

43 64.5 45.8 68.6

87 28.5 20.6 31.0

59 11.1 9.4 14.0

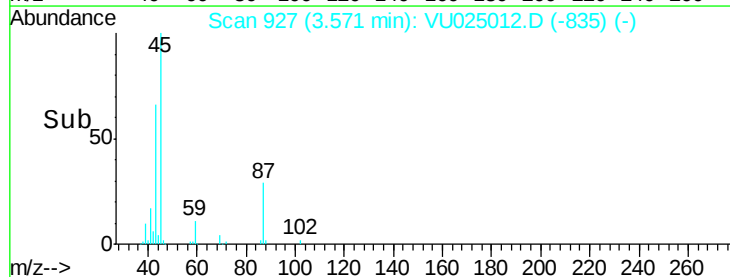
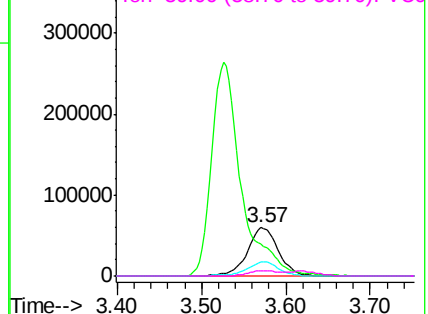


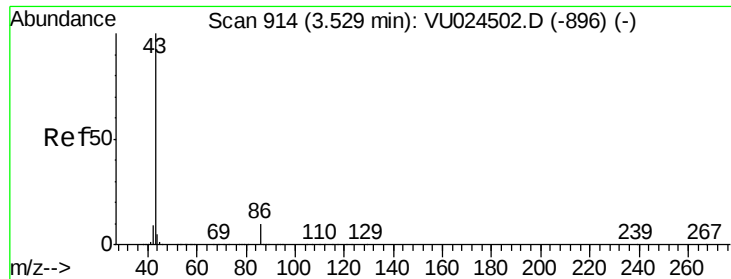
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0

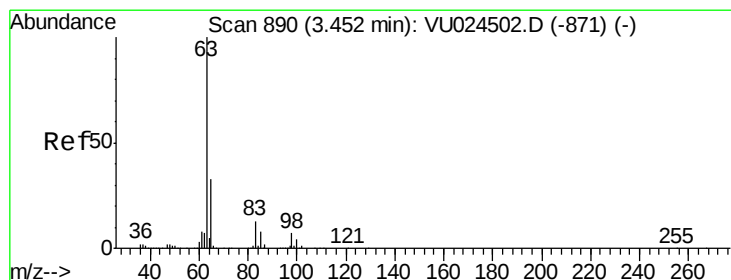
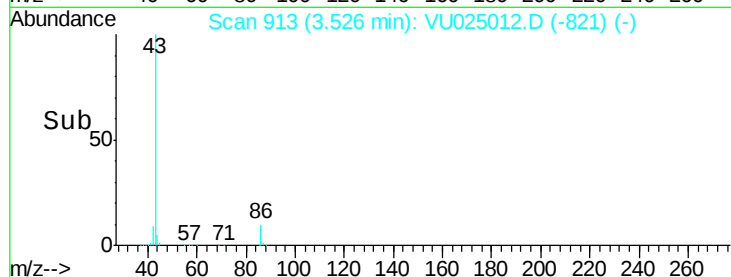
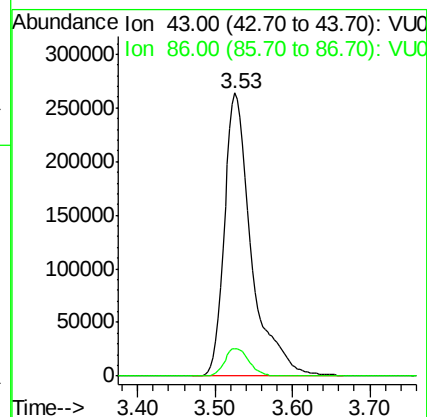
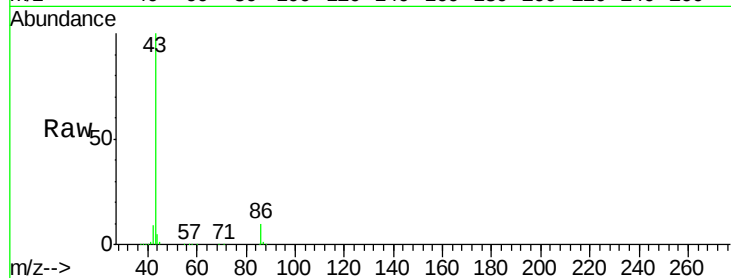




#23
 Vinyl Acetate
 Concen: 93.420 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

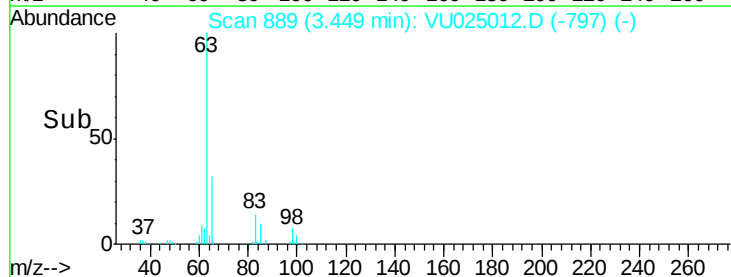
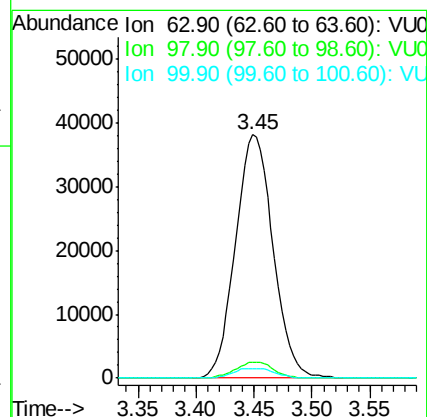
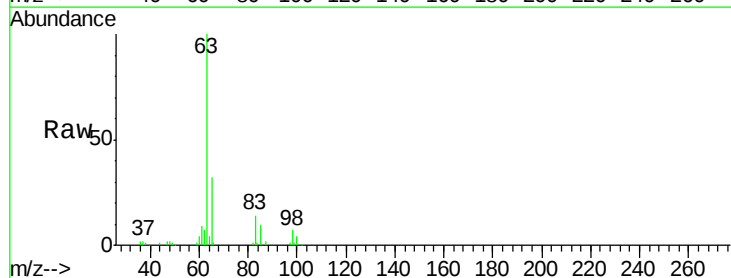
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

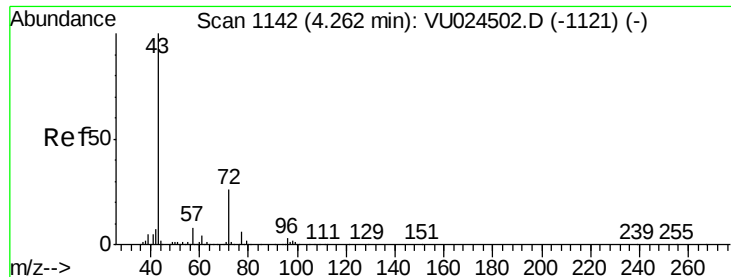
Tgt Ion: 43 Resp: 644206
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 19.364 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 63 Resp: 85754
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.4
 100 4.0 1.8 5.5

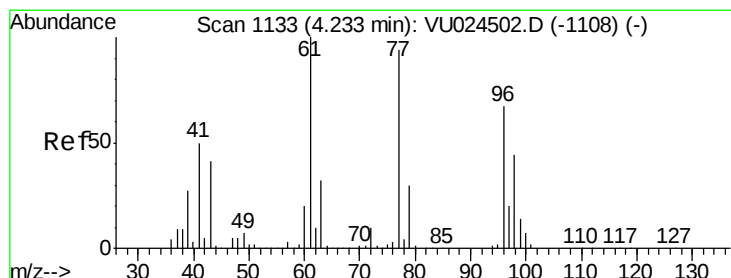
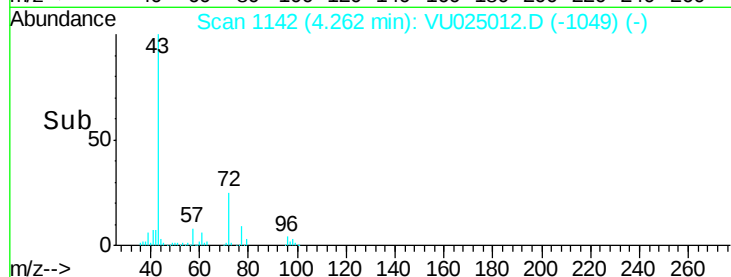
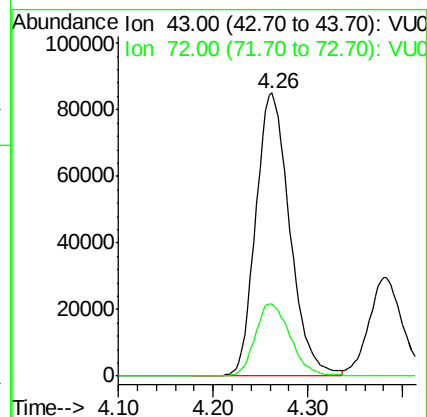
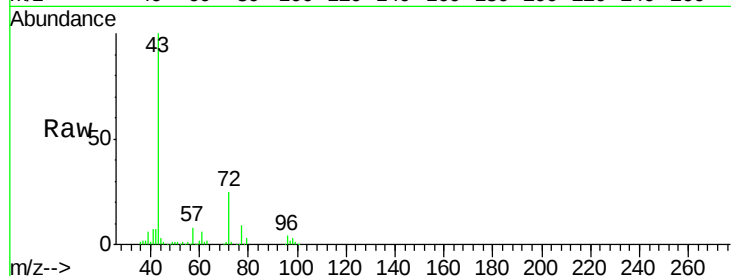




#25
2-Butanone
Concen: 97.617 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

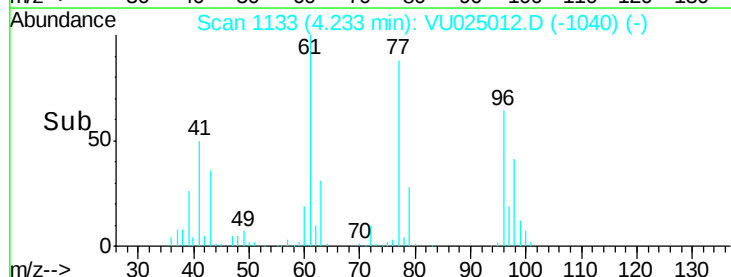
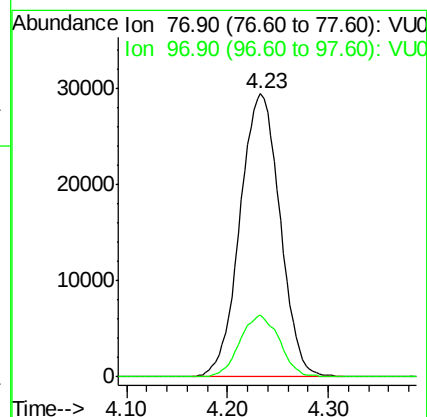
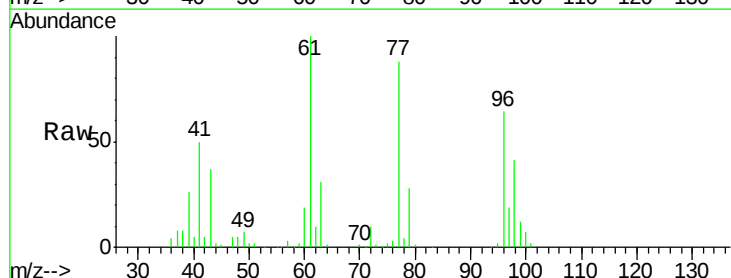
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

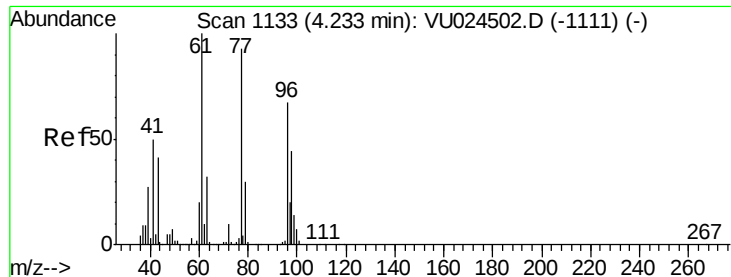
Tgt Ion: 43 Resp: 211254
Ion Ratio Lower Upper
43 100
72 25.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 19.244 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 77 Resp: 80923
Ion Ratio Lower Upper
77 100
97 21.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.072 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

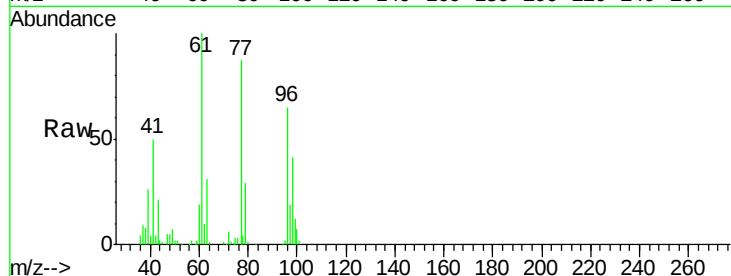
Tgt Ion: 96 Resp: 53156

Ion Ratio Lower Upper

96 100

61 152.1 0.0 306.6

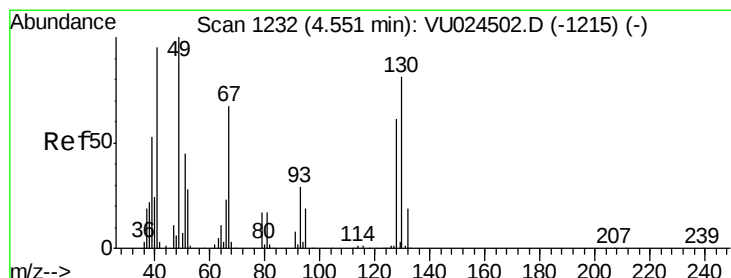
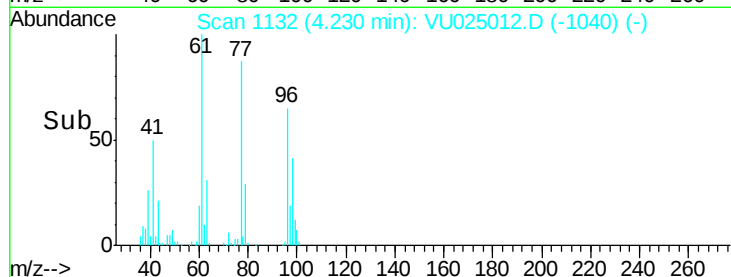
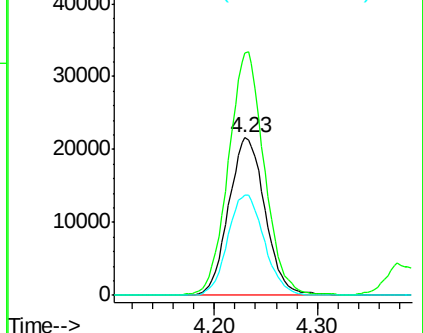
98 64.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 20.656 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

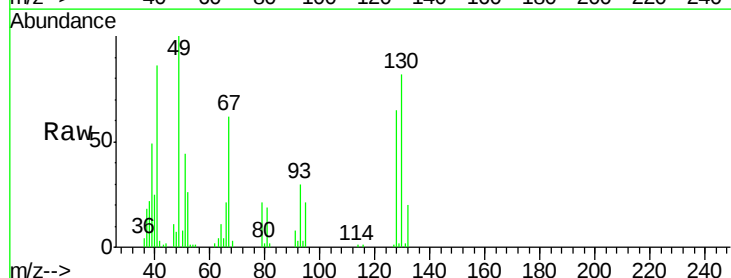
Tgt Ion: 49 Resp: 40291

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

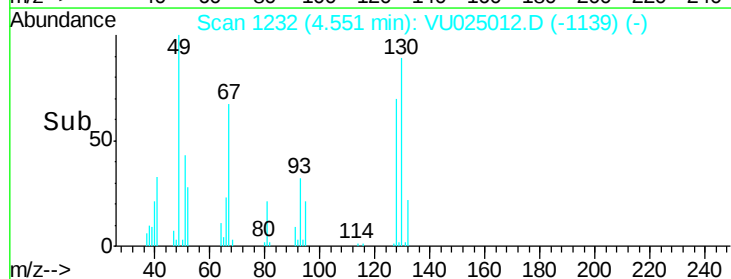
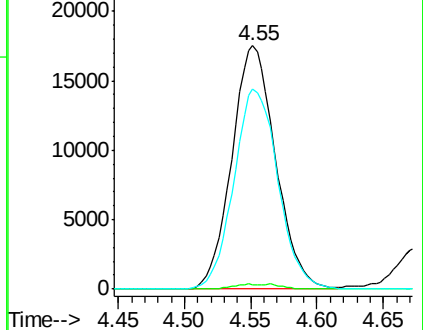
130 82.9 57.8 86.6

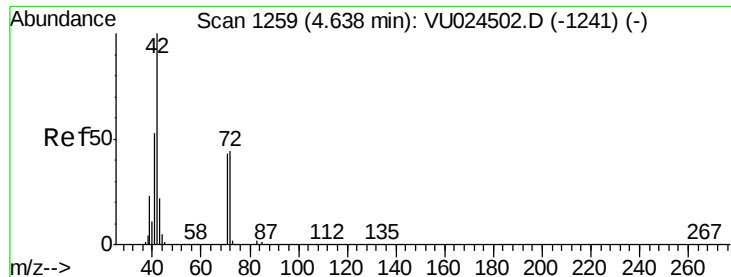


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 93.960 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

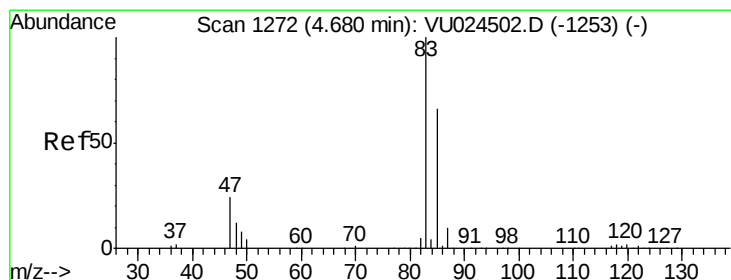
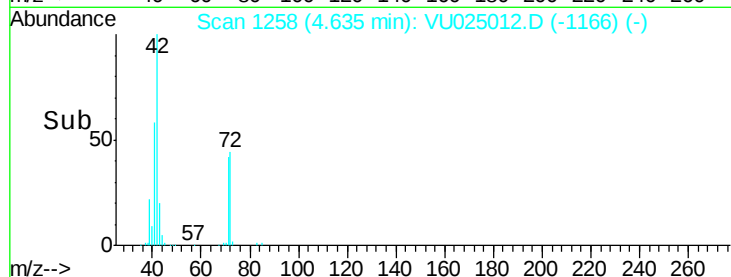
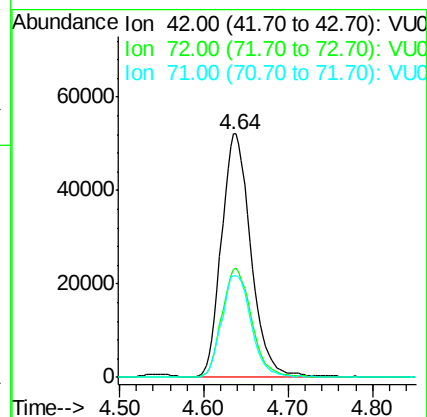
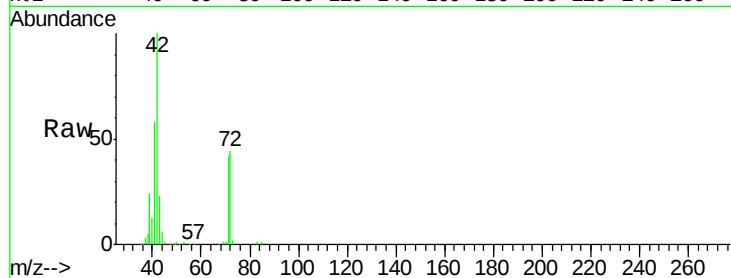
Tgt Ion: 42 Resp: 125922

Ion Ratio Lower Upper

42 100

72 45.5 34.5 51.7

71 42.0 32.2 48.4



#30

Chloroform

Concen: 20.132 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025012.D

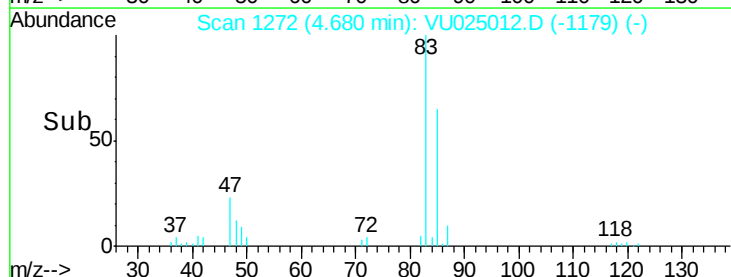
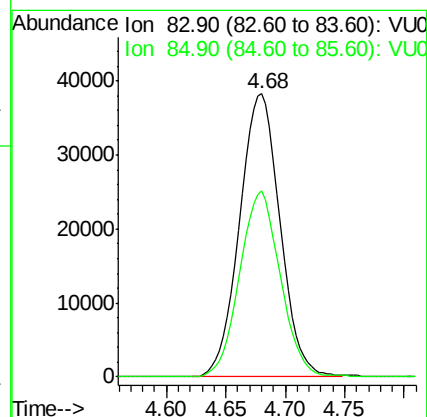
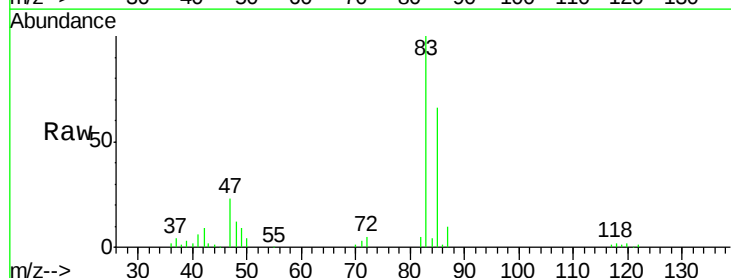
Acq: 28 Jun 2018 11:50

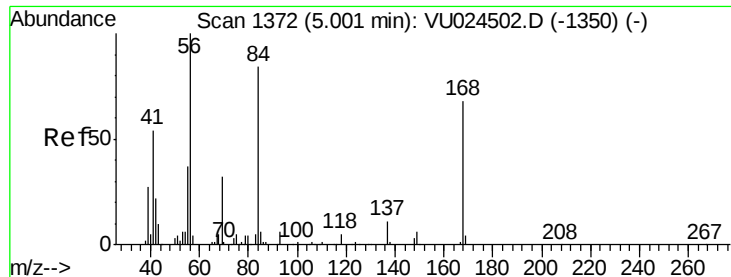
Tgt Ion: 83 Resp: 90236

Ion Ratio Lower Upper

83 100

85 65.6 52.4 78.6

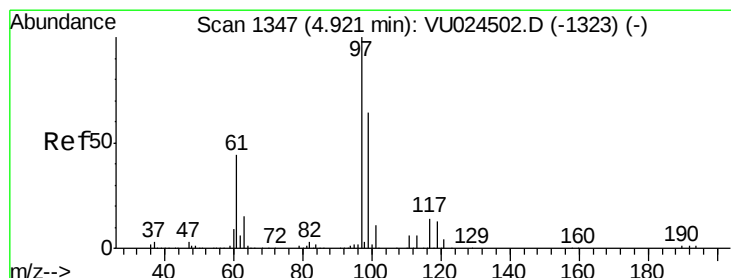
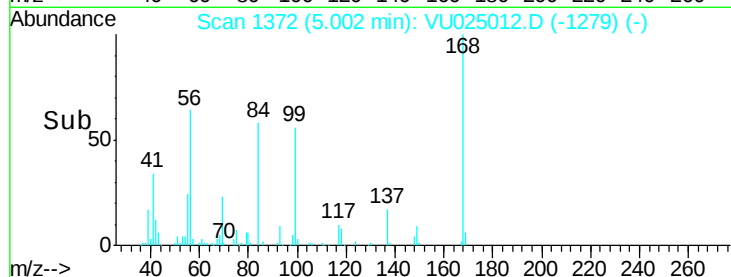
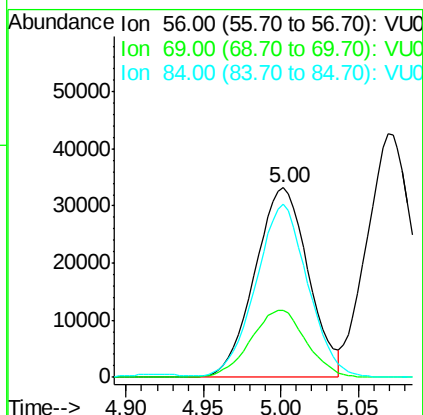
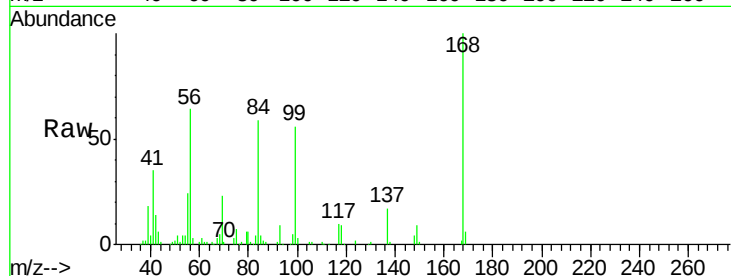




#31
Cyclohexane
Concen: 19.120 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

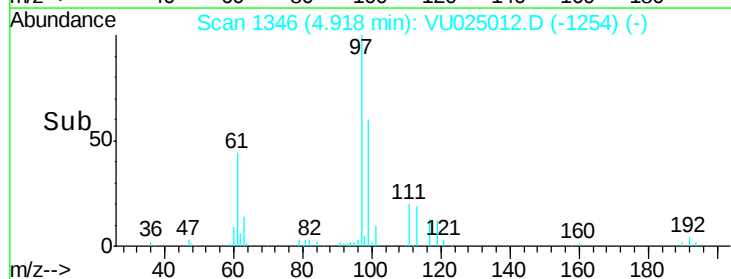
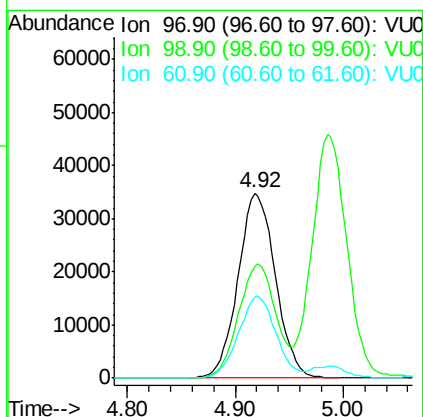
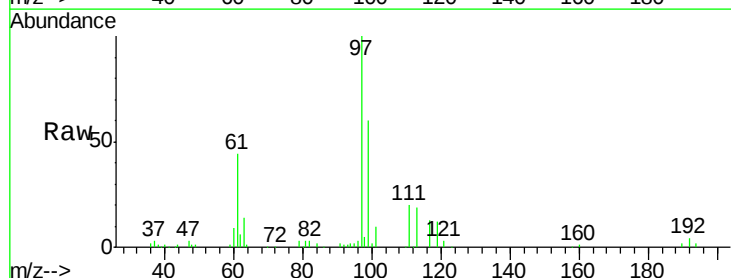
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

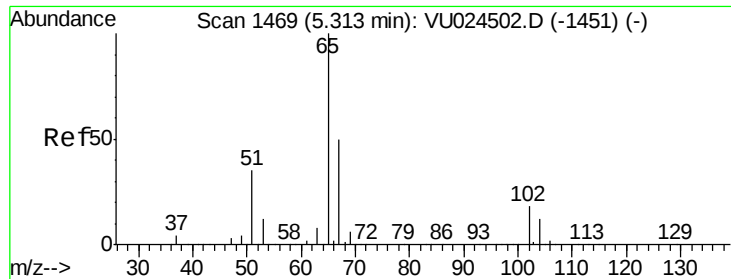
Tgt Ion: 56 Resp: 79984
Ion Ratio Lower Upper
56 100
69 35.4 24.8 37.2
84 90.4 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 20.266 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 97 Resp: 84001
Ion Ratio Lower Upper
97 100
99 62.6 51.0 76.6
61 44.3 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 46.295 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

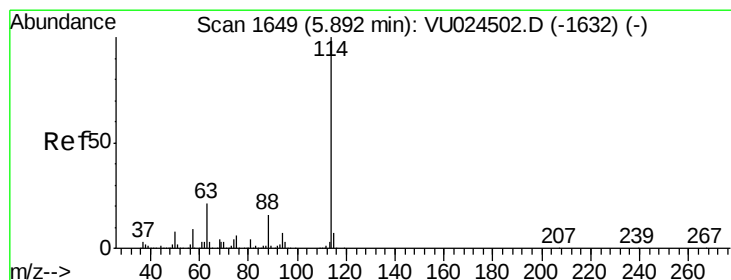
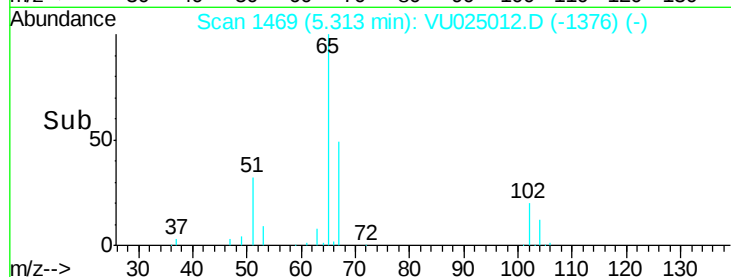
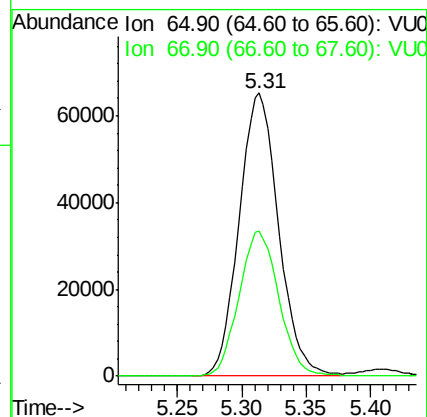
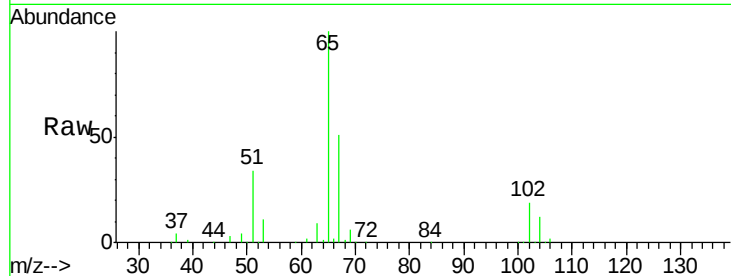
VU0628WBS01

Tgt Ion: 65 Resp: 138820

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

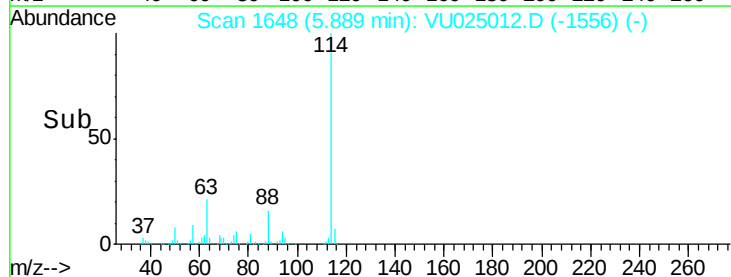
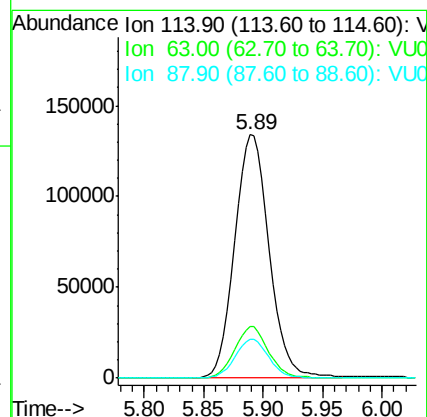
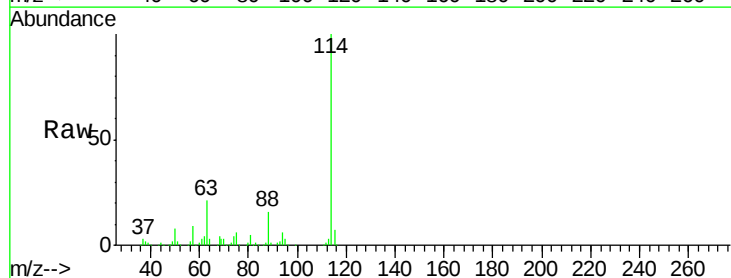
Tgt Ion: 114 Resp: 270126

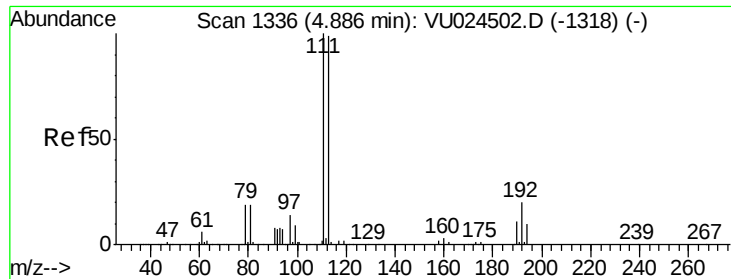
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.4

88 15.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.189 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

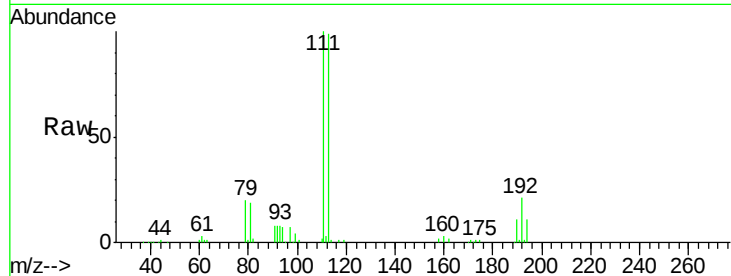
Tgt Ion:113 Resp: 110274

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

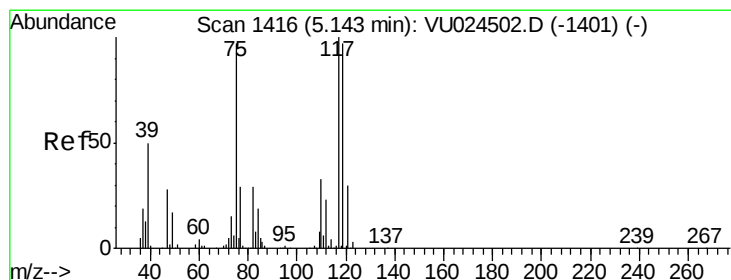
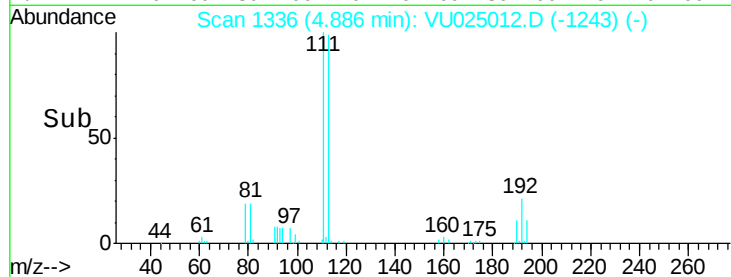
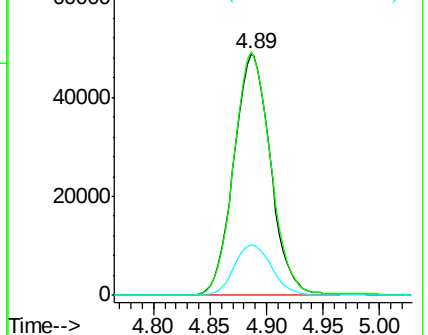
192 21.4 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.786 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

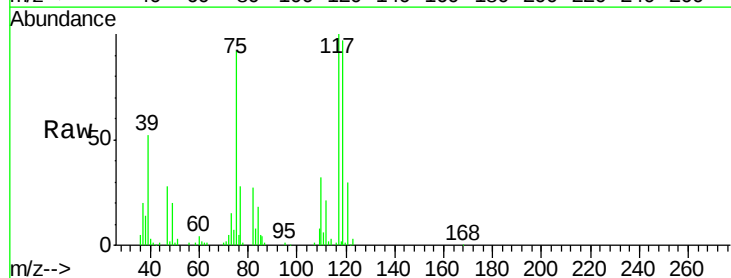
Tgt Ion: 75 Resp: 62803

Ion Ratio Lower Upper

75 100

110 36.0 17.0 50.9

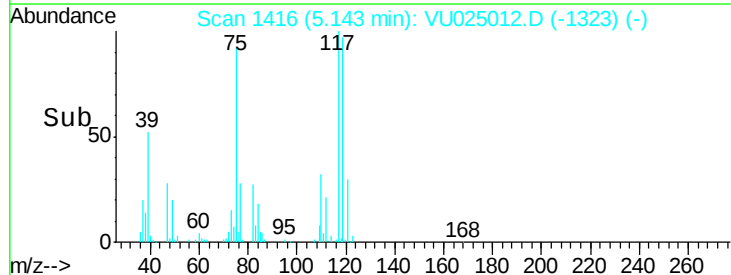
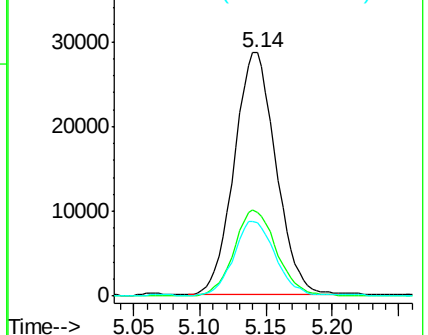
77 30.7 24.2 36.4

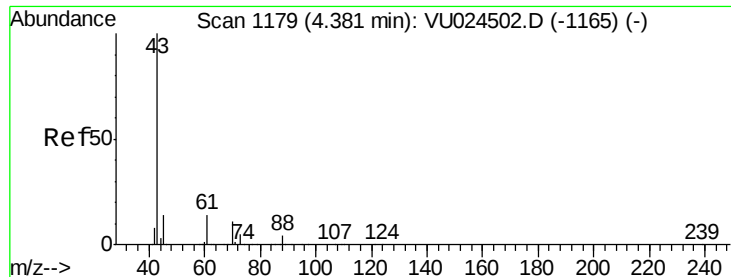


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

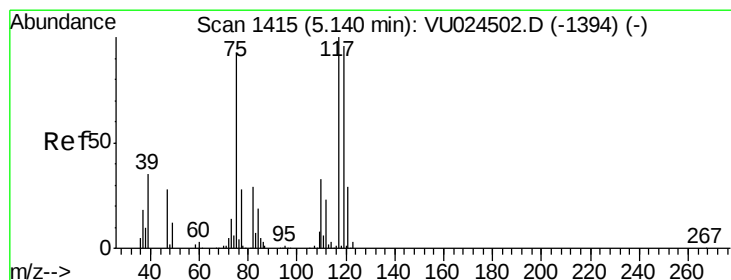
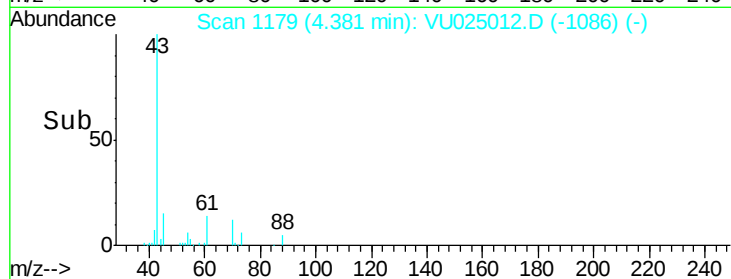
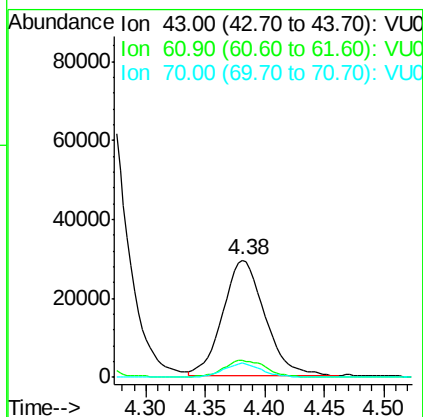
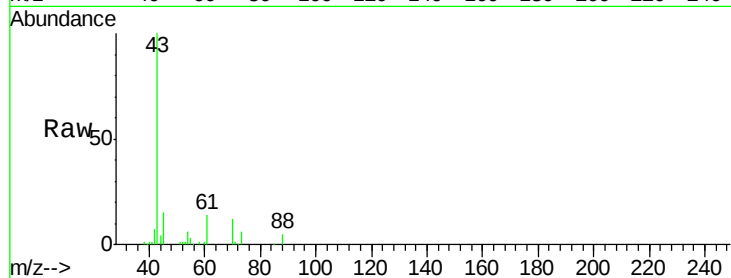




#37
Ethyl Acetate
 Concen: 20.756 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

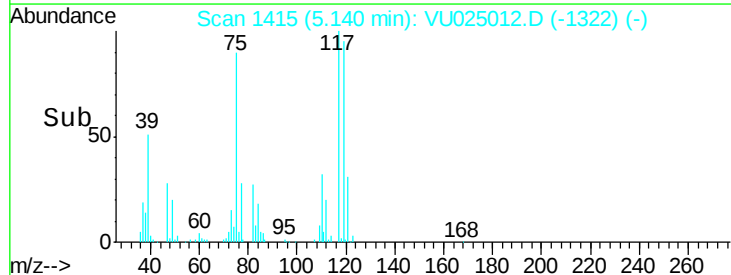
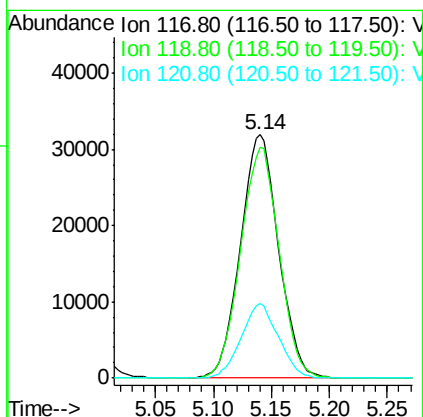
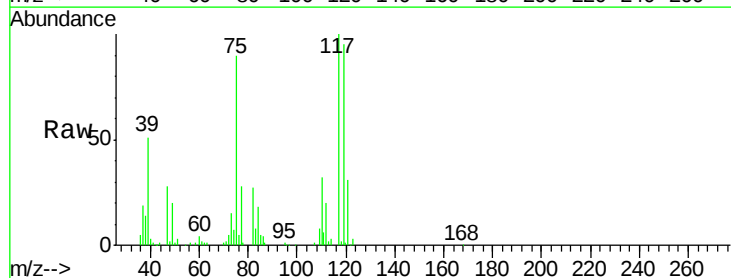
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

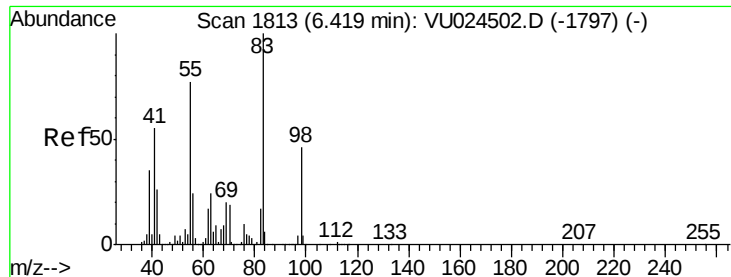
Tgt Ion: 43 Resp: 71808
 Ion Ratio Lower Upper
 43 100
 61 14.8 10.5 15.7
 70 10.9 7.4 11.2



#38
Carbon Tetrachloride
 Concen: 20.956 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 117 Resp: 73149
 Ion Ratio Lower Upper
 117 100
 119 94.7 76.1 114.1
 121 30.7 23.7 35.5

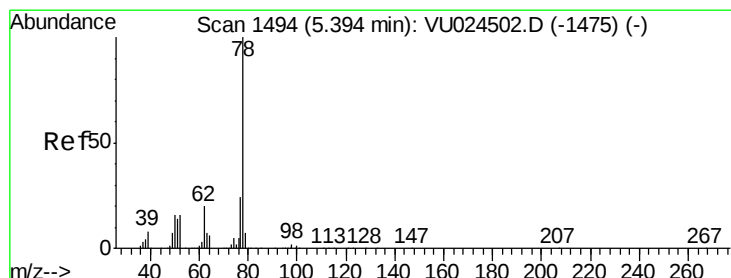
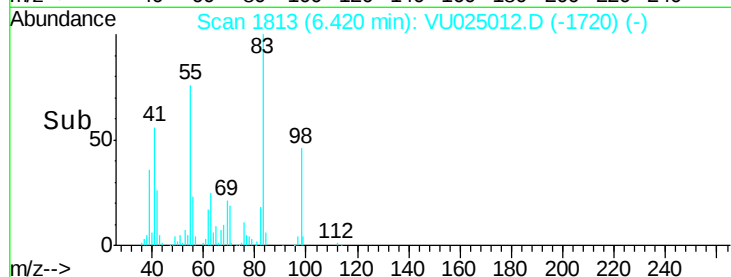
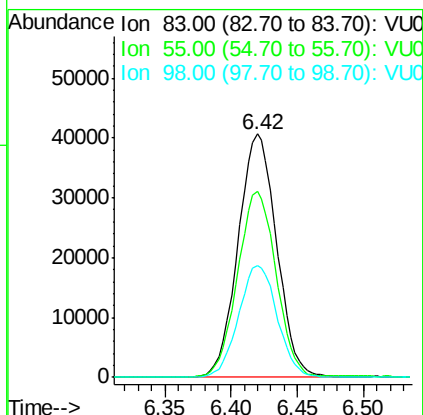
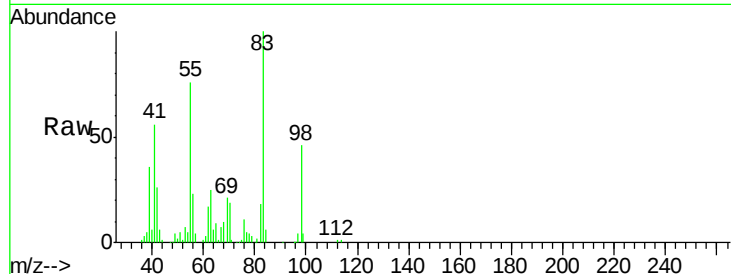




#39
Methylcyclohexane
Concen: 20.753 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

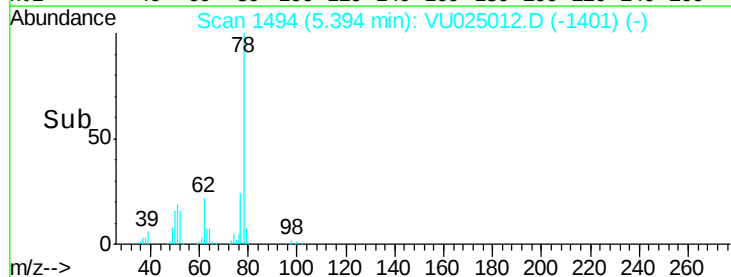
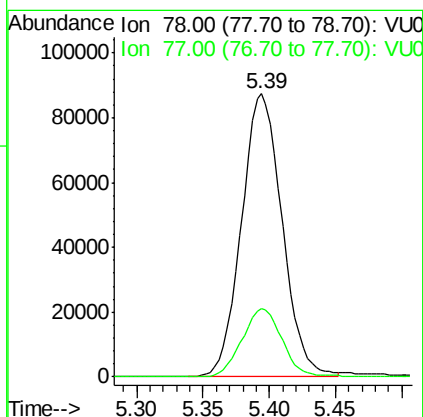
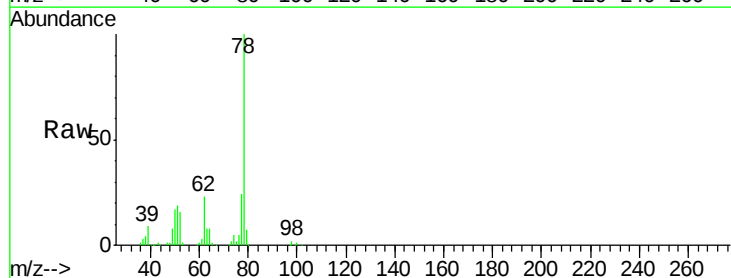
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

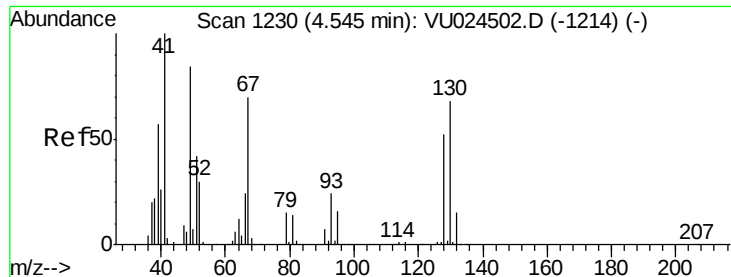
Tgt Ion: 83 Resp: 82204
Ion Ratio Lower Upper
83 100
55 76.0 65.8 98.6
98 45.8 36.7 55.1



#40
Benzene
Concen: 20.619 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 78 Resp: 186495
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





#41

Methacrylonitrile

Concen: 22.344 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

Tgt Ion: 41 Resp: 41678

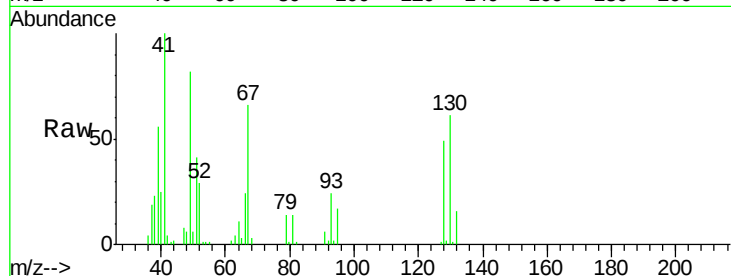
Ion Ratio Lower Upper

41 100

39 54.7 43.8 65.6

67 70.4 56.3 84.5

52 29.8 23.2 34.8

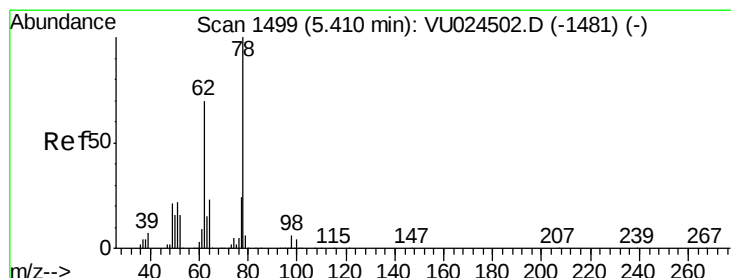
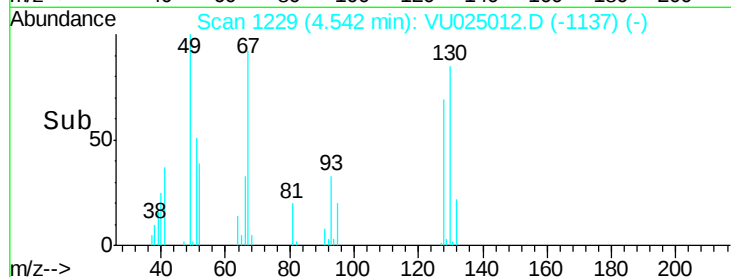
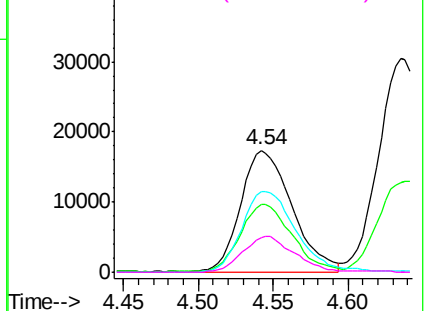


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 22.958 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025012.D

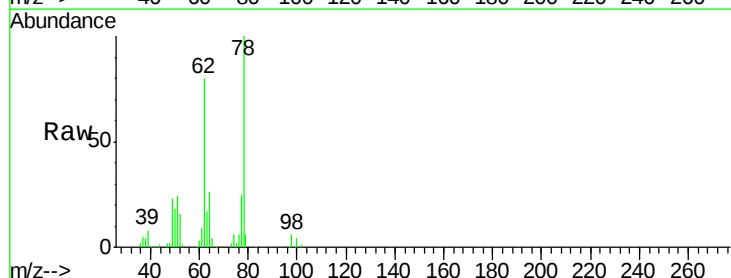
Acq: 28 Jun 2018 11:50

Tgt Ion: 62 Resp: 79085

Ion Ratio Lower Upper

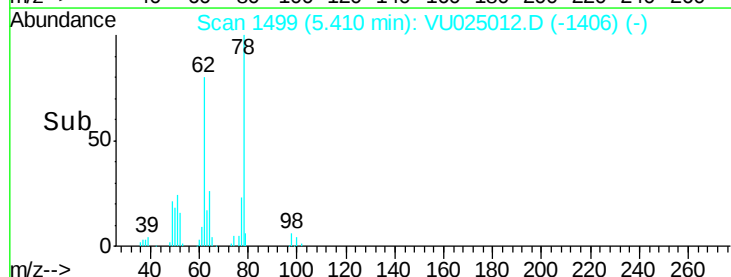
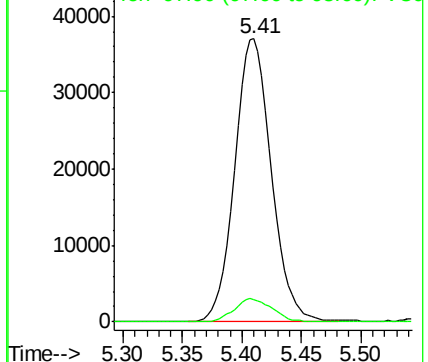
62 100

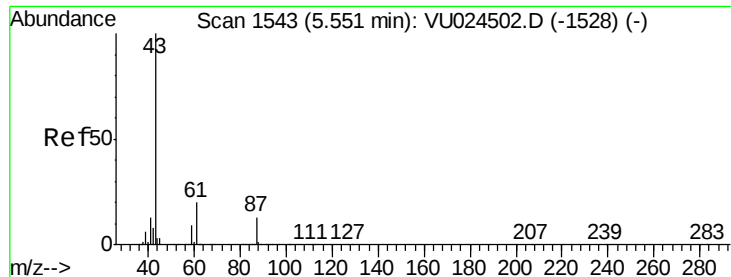
98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.058 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

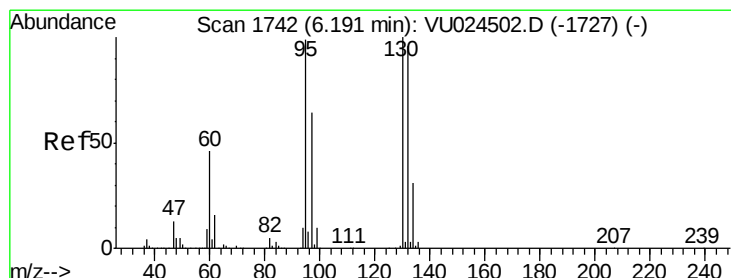
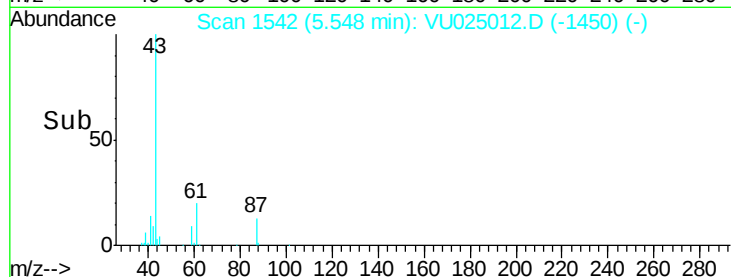
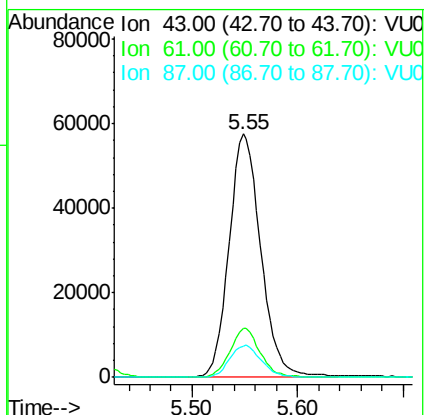
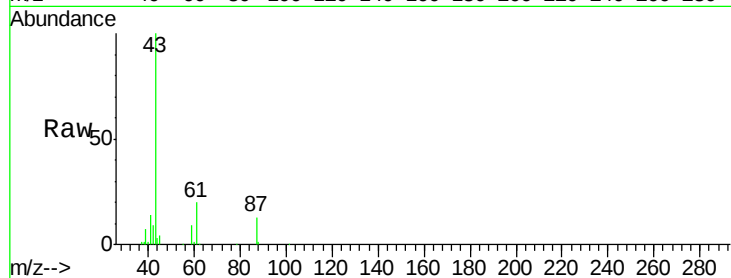
Tgt Ion: 43 Resp: 119952

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

87 13.1 10.0 15.0



#44

Trichloroethene

Concen: 20.532 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025012.D

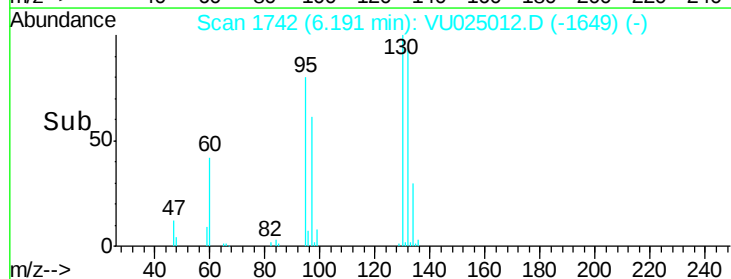
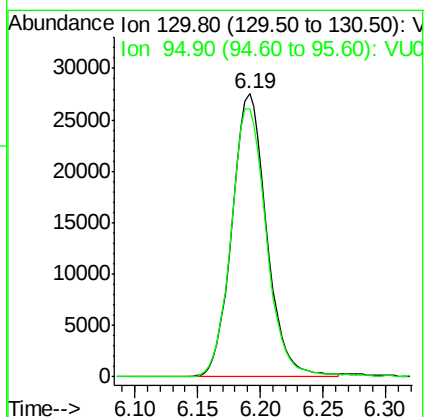
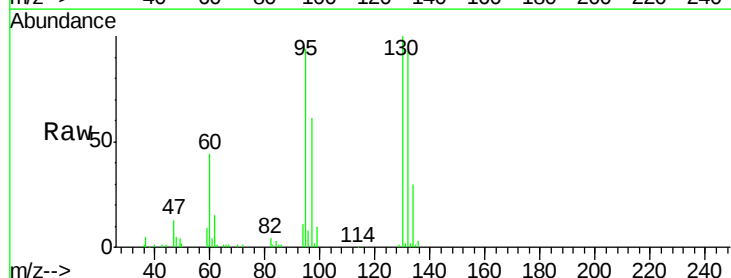
Acq: 28 Jun 2018 11:50

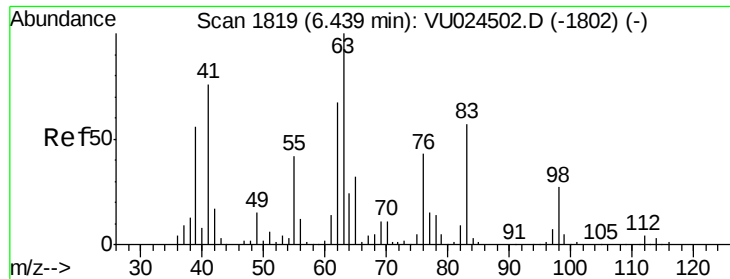
Tgt Ion: 130 Resp: 52852

Ion Ratio Lower Upper

130 100

95 94.5 0.0 202.4

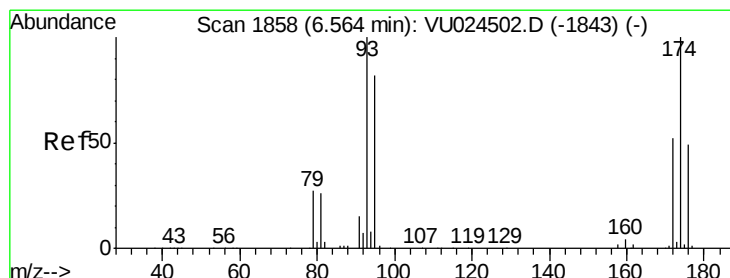
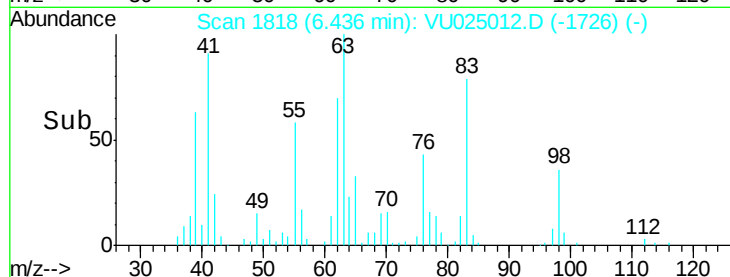
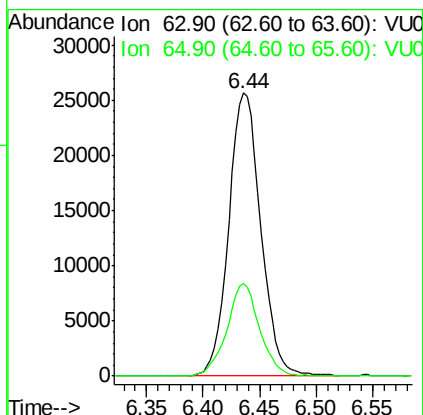
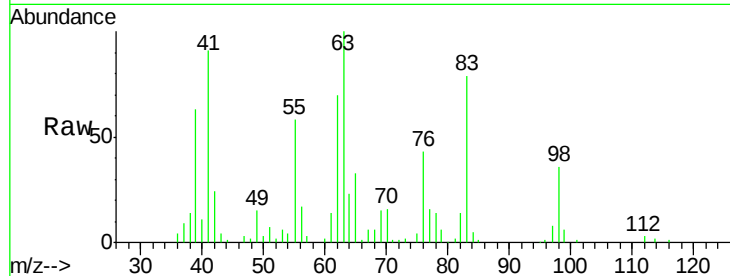




#45
 1,2-Dichloropropane
 Concen: 20.973 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

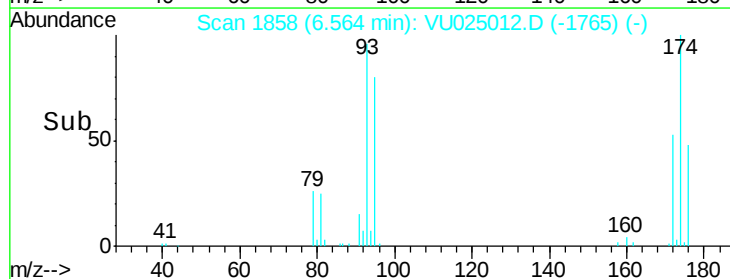
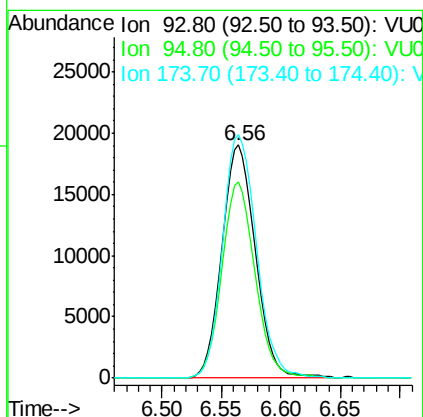
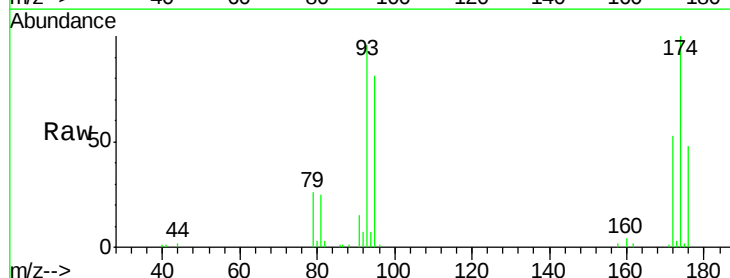
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

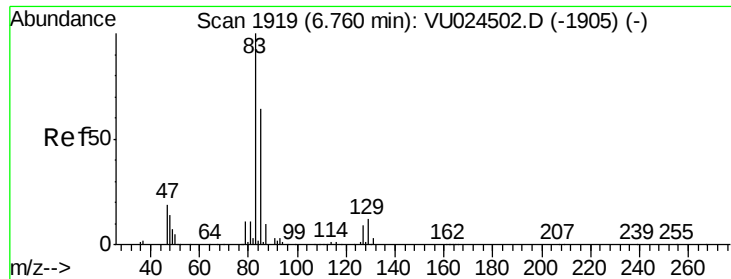
Tgt Ion: 63 Resp: 50614
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2



#46
 Dibromomethane
 Concen: 21.937 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 93 Resp: 37186
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 105.3 78.7 118.1





#47

Bromodichloromethane

Concen: 20.527 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

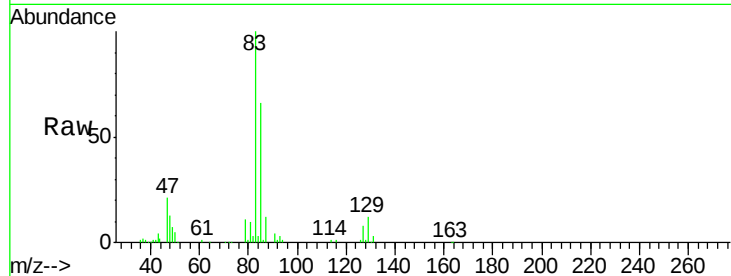
Tgt Ion: 83 Resp: 69291

Ion Ratio Lower Upper

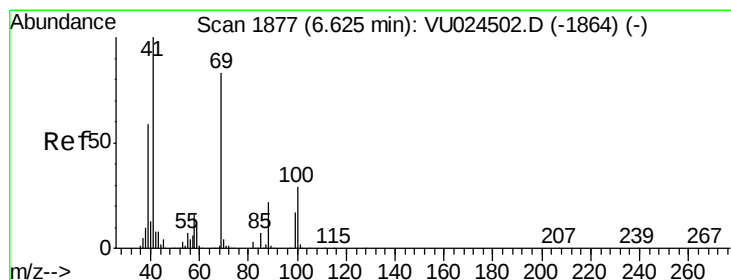
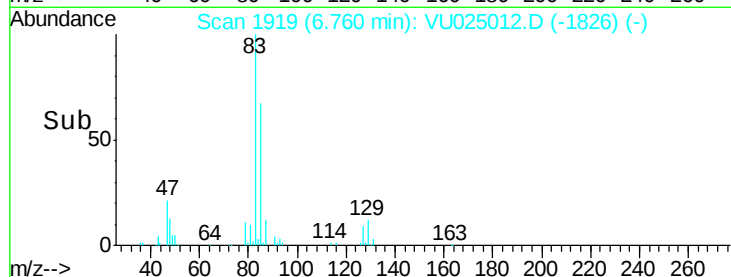
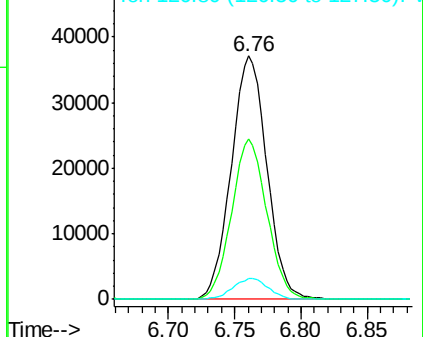
83 100

85 66.1 51.9 77.9

127 8.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.584 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

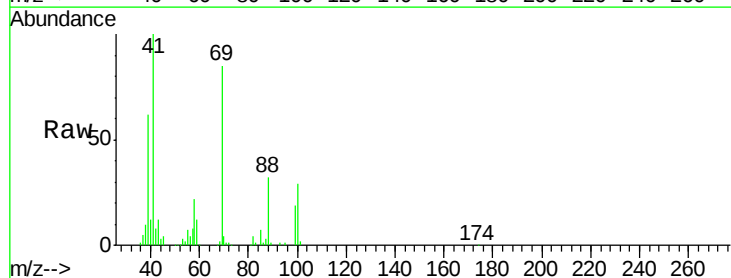
Tgt Ion: 41 Resp: 59939

Ion Ratio Lower Upper

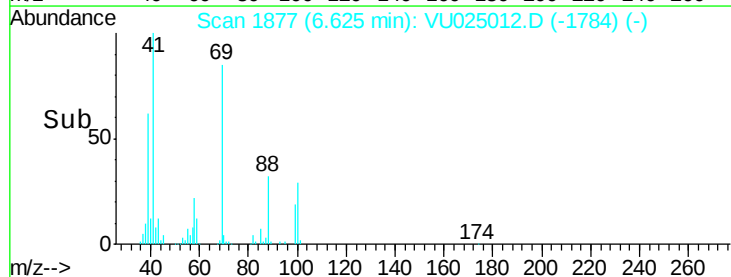
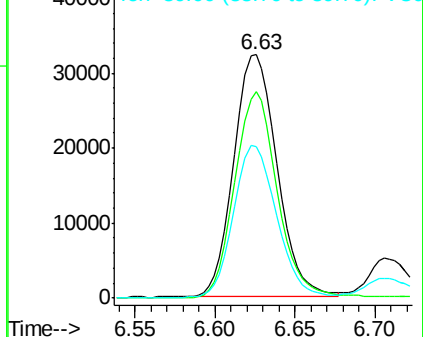
41 100

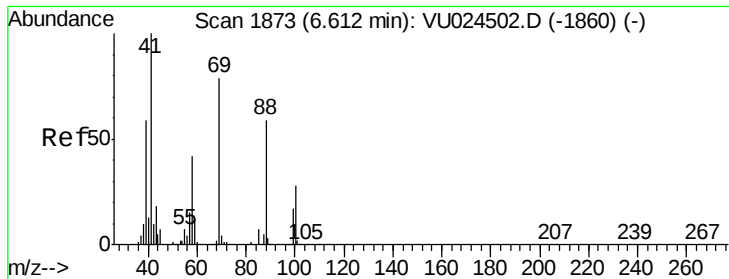
69 84.4 67.3 100.9

39 63.0 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

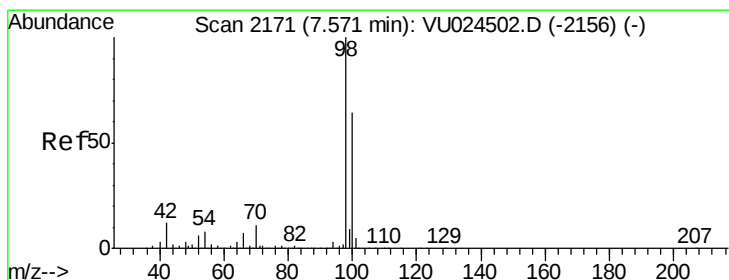
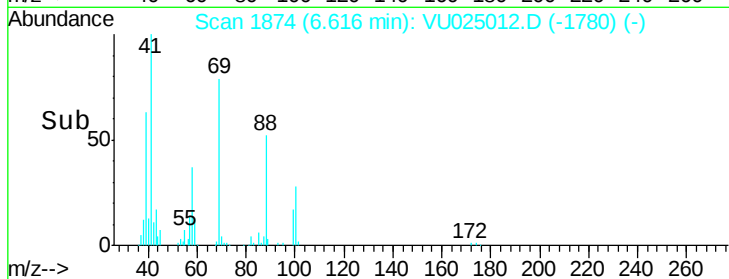
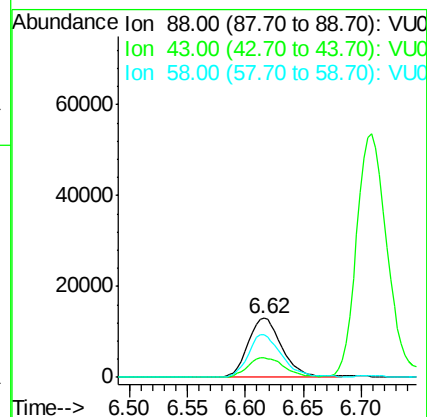
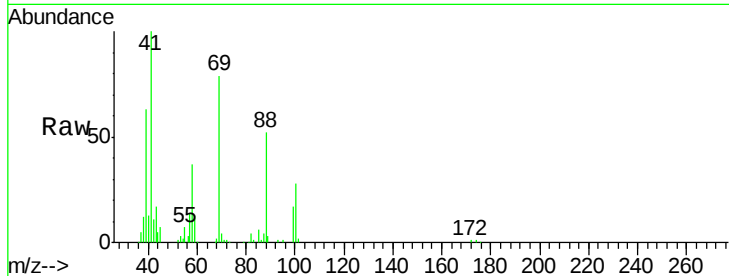




#49
1,4-Dioxane
Concen: 470.699 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

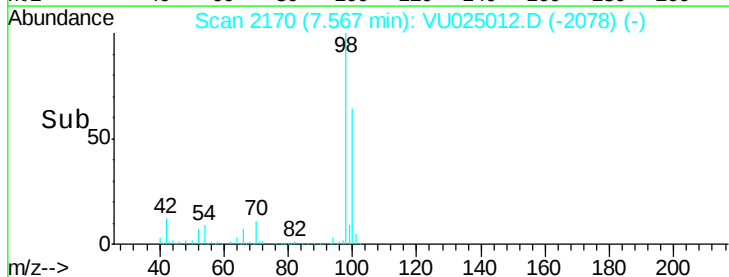
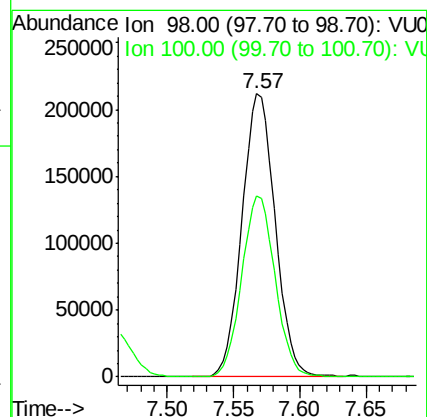
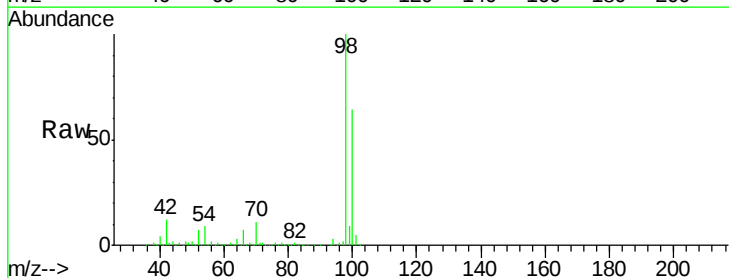
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

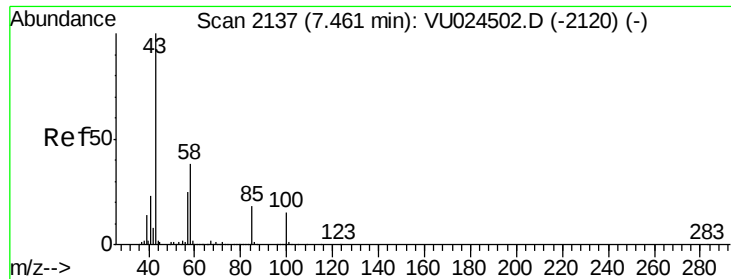
Tgt Ion: 88 Resp: 26805
Ion Ratio Lower Upper
88 100
43 35.5 28.6 42.8
58 71.1 58.2 87.4



#50
Toluene-d8
Concen: 45.283 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 98 Resp: 370296
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

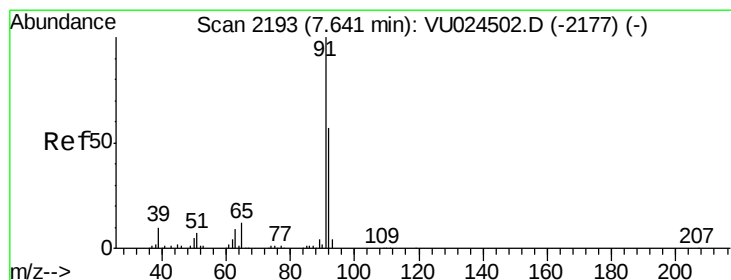
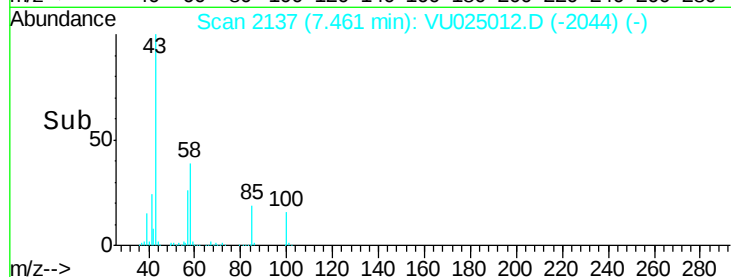
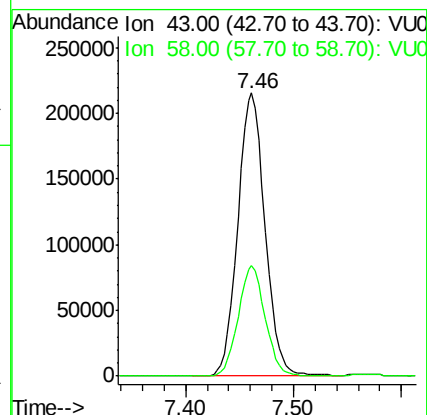
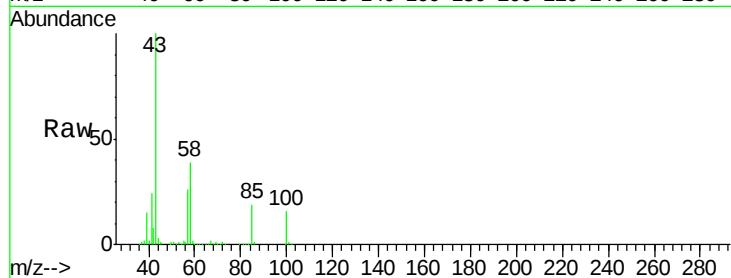




#51
 4-Methyl-2-Pentanone
 Concen: 100.887 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

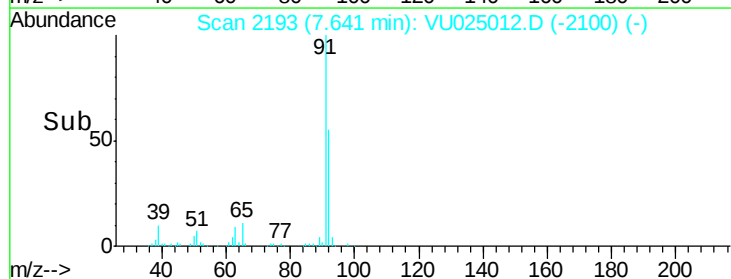
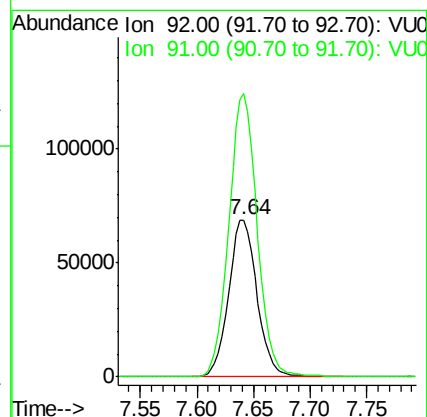
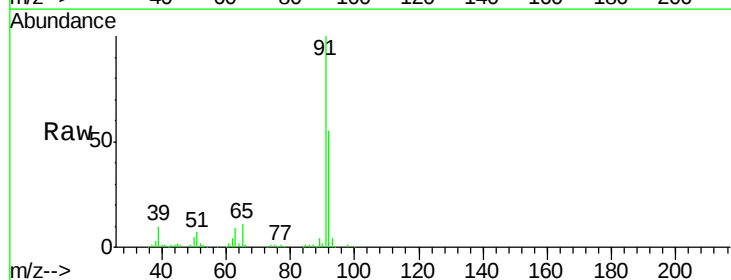
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

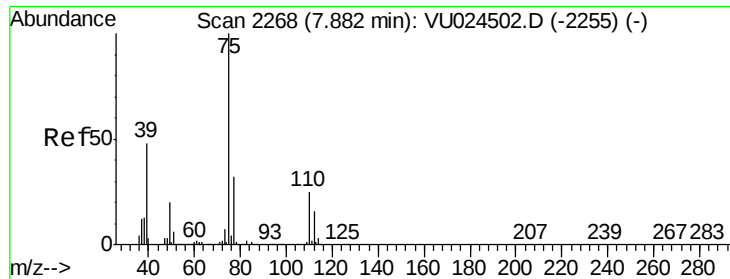
Tgt Ion: 43 Resp: 379036
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.0 45.0



#52
 Toluene
 Concen: 20.665 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 92 Resp: 120253
 Ion Ratio Lower Upper
 92 100
 91 180.0 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.725 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

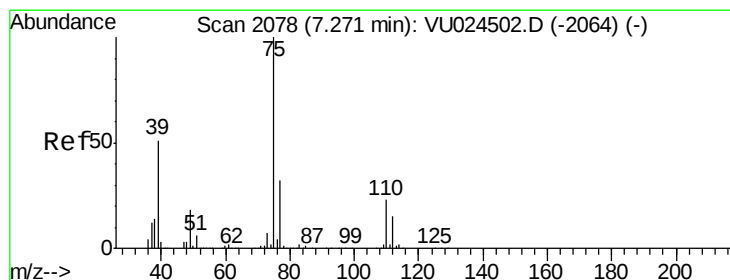
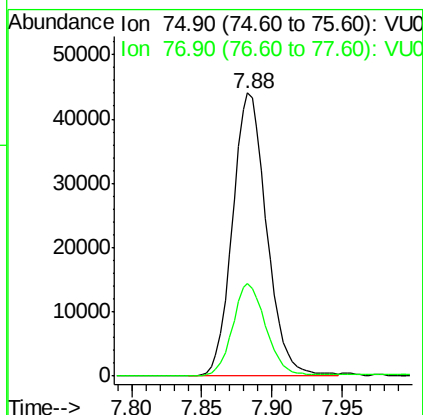
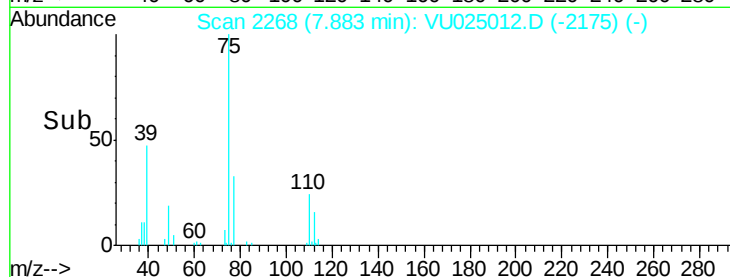
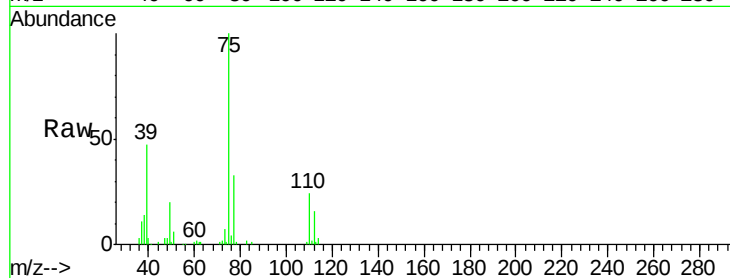
VU0628WBS01

Tgt Ion: 75 Resp: 74771

Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.510 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

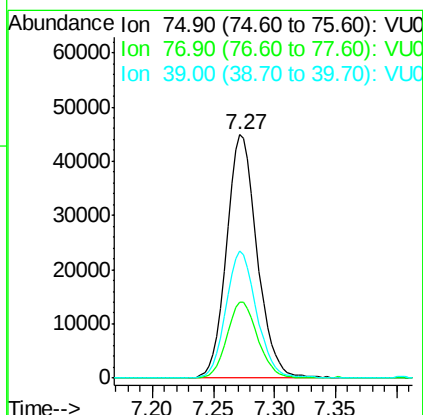
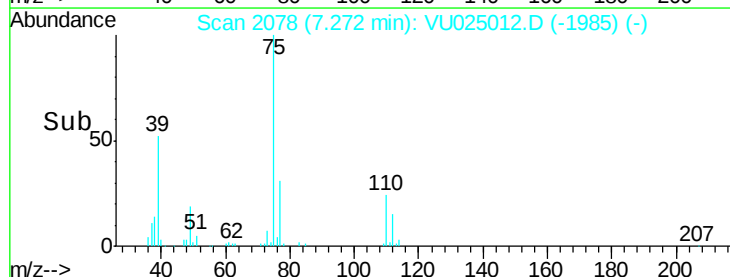
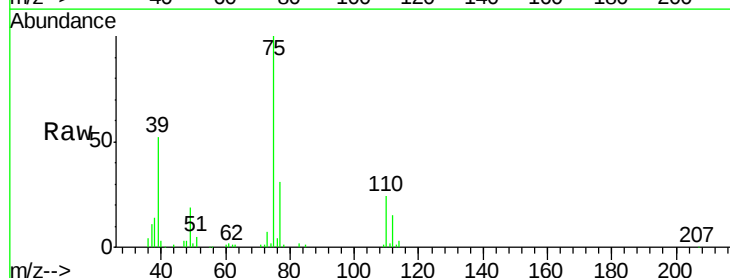
Tgt Ion: 75 Resp: 78805

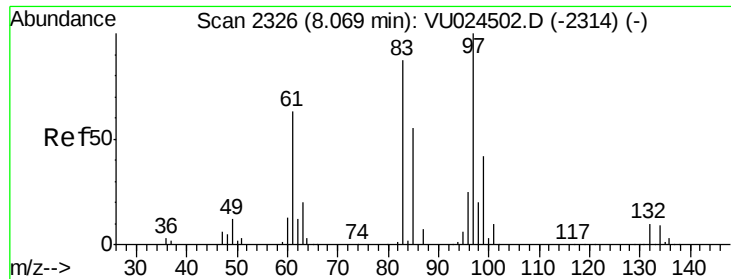
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 52.1 39.8 59.6

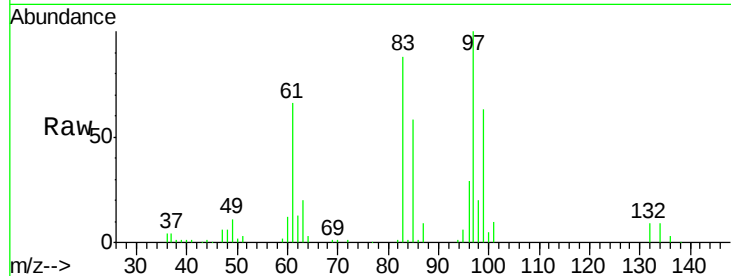




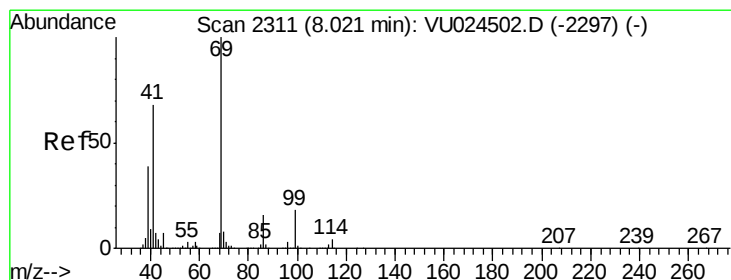
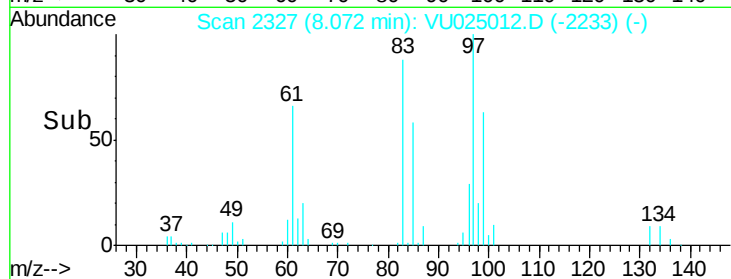
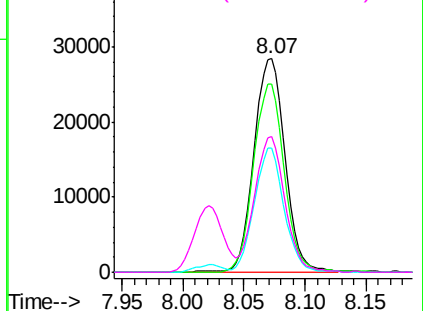
#55
 1,1,2-Trichloroethane
 Concen: 21.162 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Tgt Ion:	97	Resp:	50055
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	57.8	46.4	69.6
99	62.9	50.2	75.2

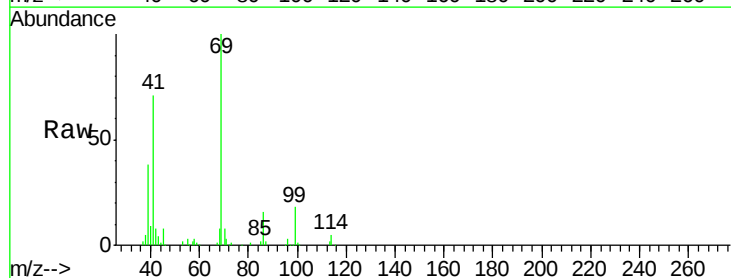


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

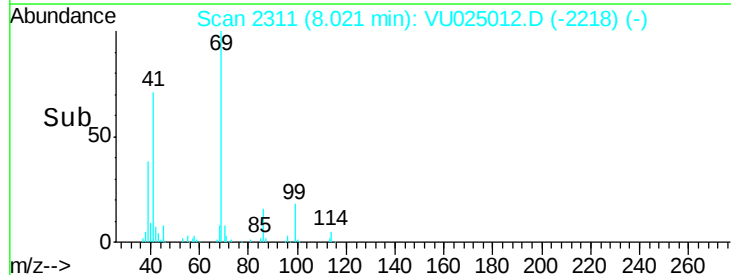
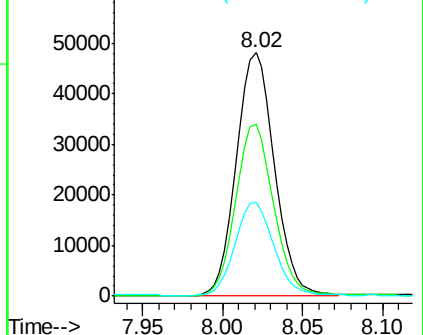


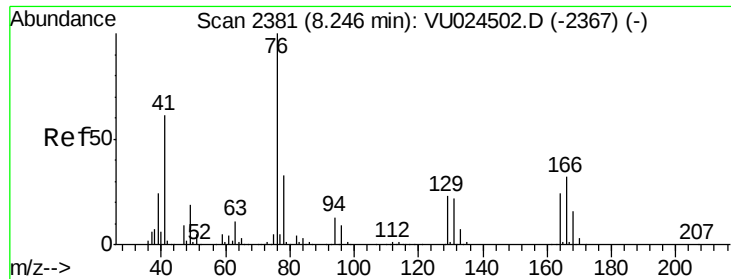
#56
 Ethyl methacrylate
 Concen: 19.759 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion:	69	Resp:	78227
Ion	Ratio	Lower	Upper
69	100		
41	70.4	54.1	81.1
39	39.7	30.3	45.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 21.097 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

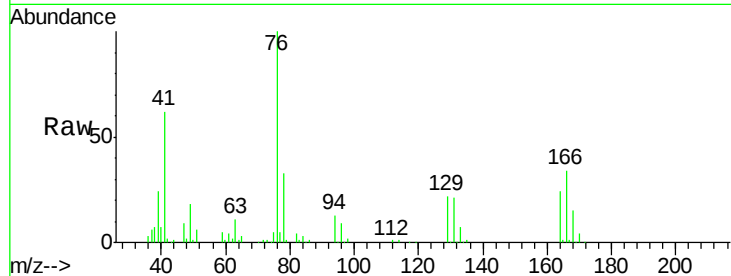
VU0628WBS01

Tgt Ion: 76 Resp: 84183

Ion Ratio Lower Upper

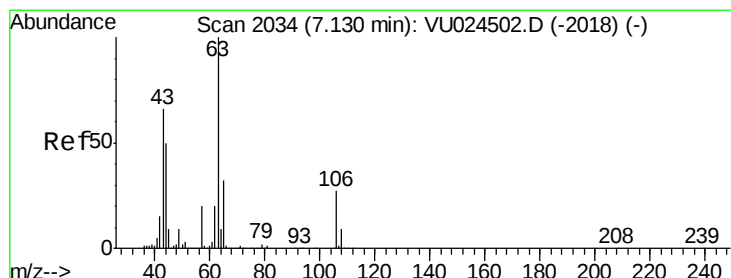
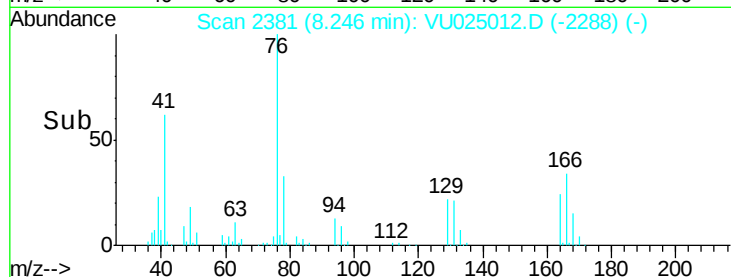
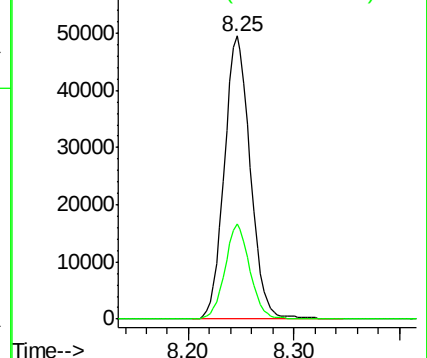
76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 28.426 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025012.D

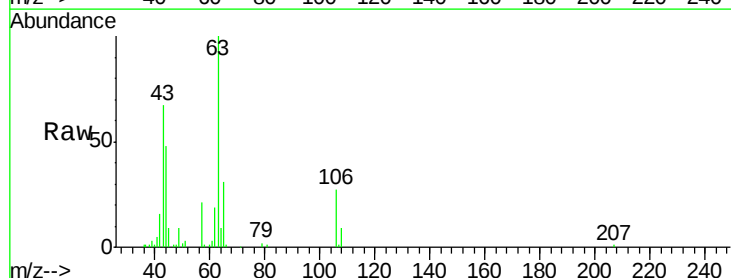
Acq: 28 Jun 2018 11:50

Tgt Ion: 63 Resp: 43114

Ion Ratio Lower Upper

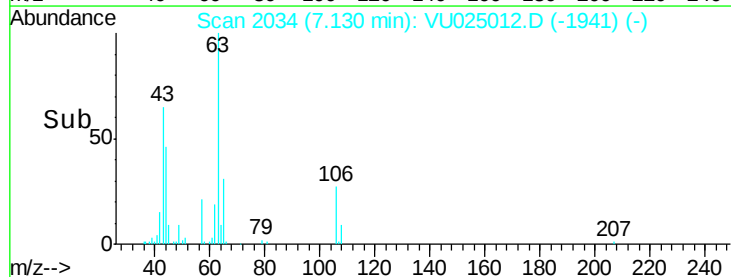
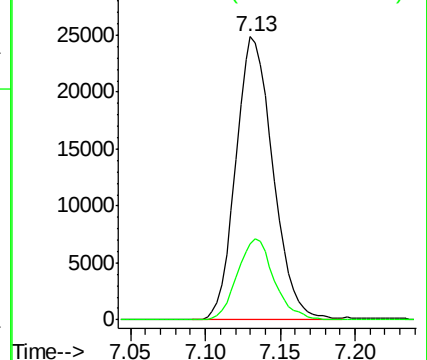
63 100

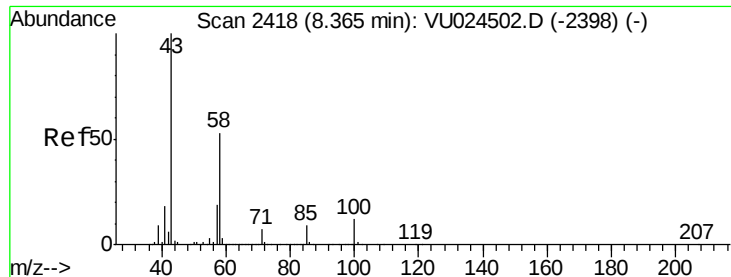
106 28.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

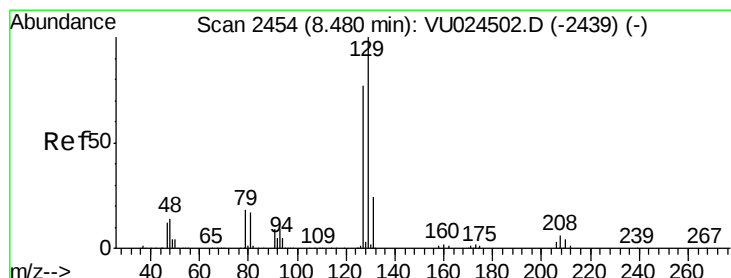
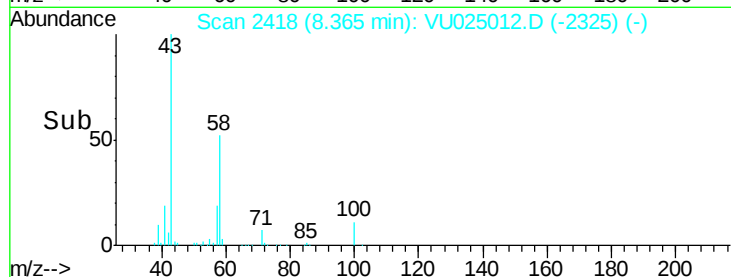
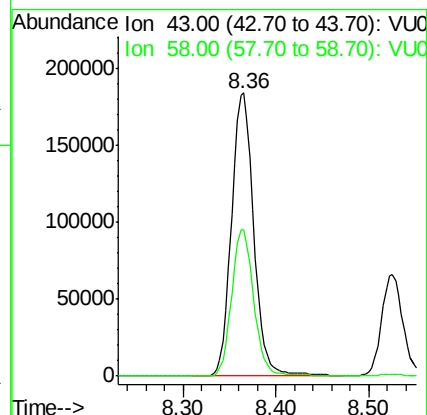
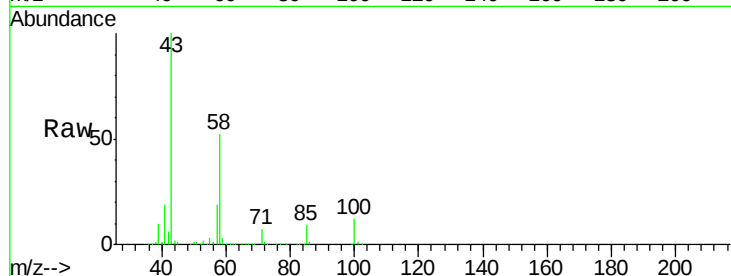




#59
2-Hexanone
Concen: 100.228 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

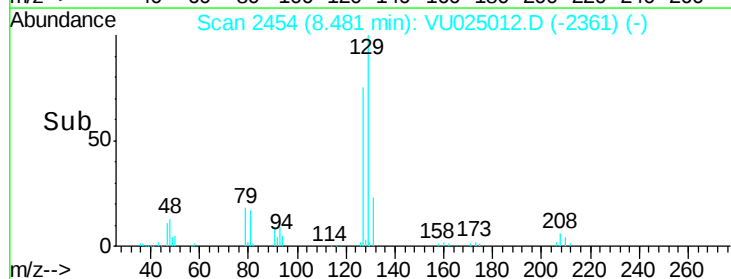
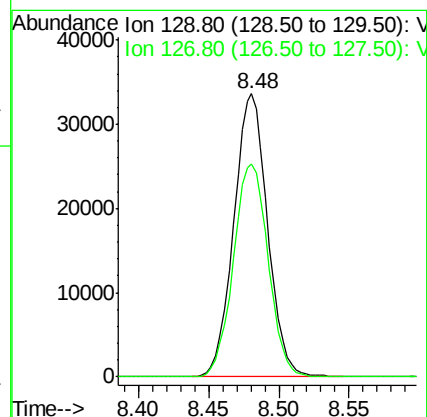
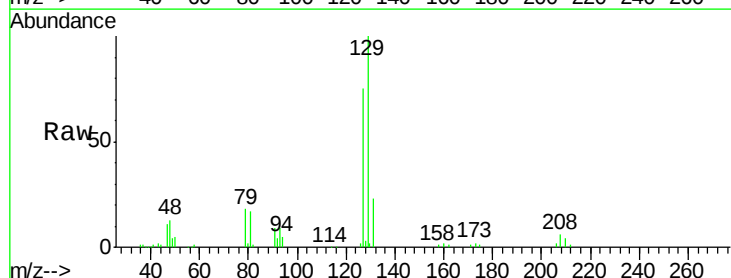
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

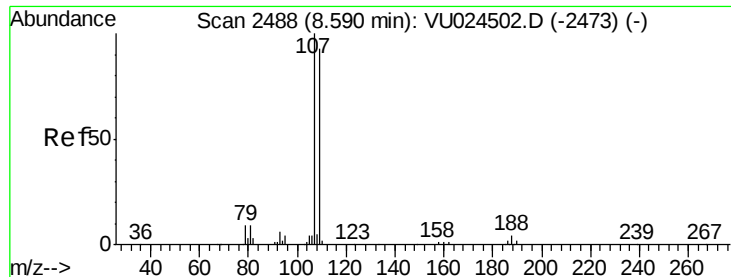
Tgt Ion: 43 Resp: 307425
Ion Ratio Lower Upper
43 100
58 51.5 26.4 79.0



#60
Dibromochloromethane
Concen: 19.037 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 129 Resp: 56153
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

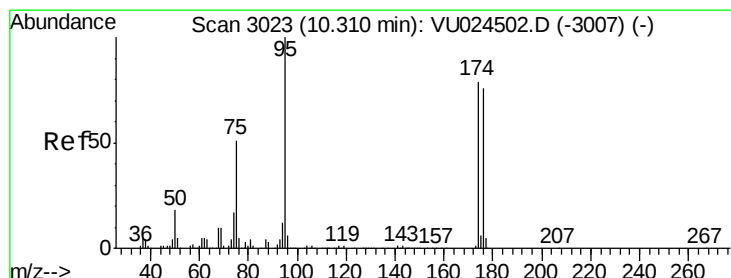
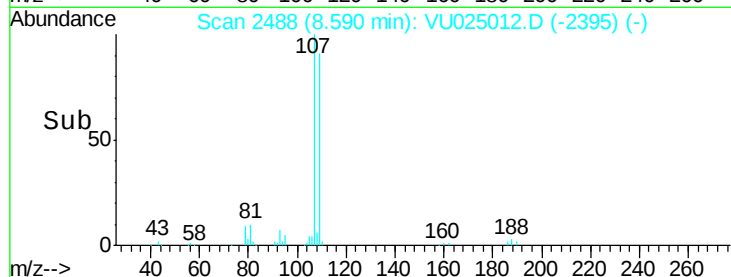
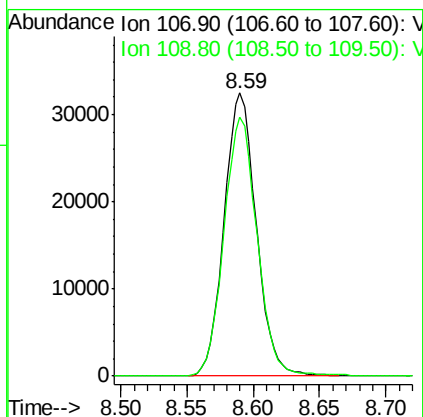
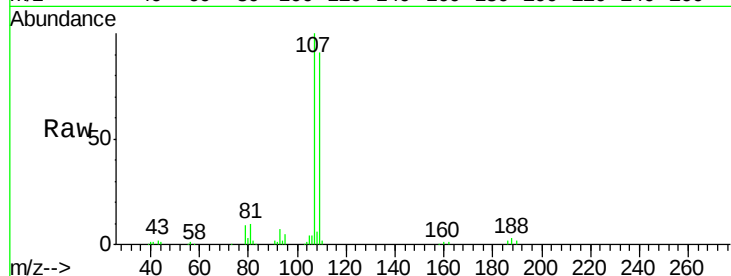




#61
 1,2-Dibromoethane
 Concen: 20.786 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

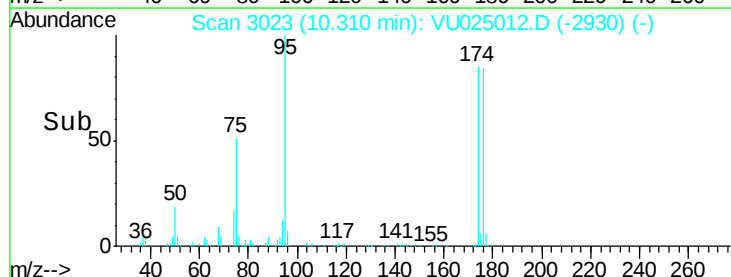
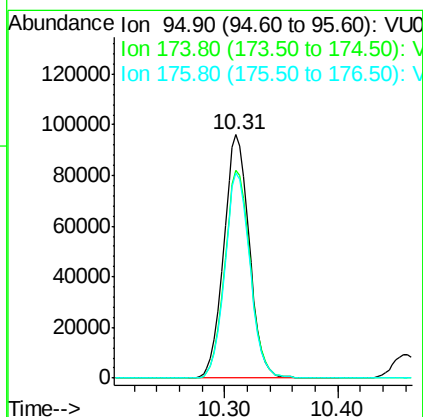
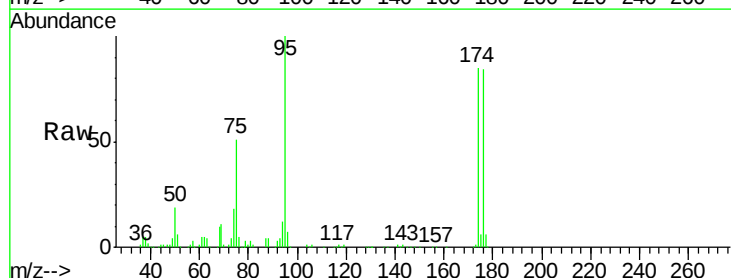
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

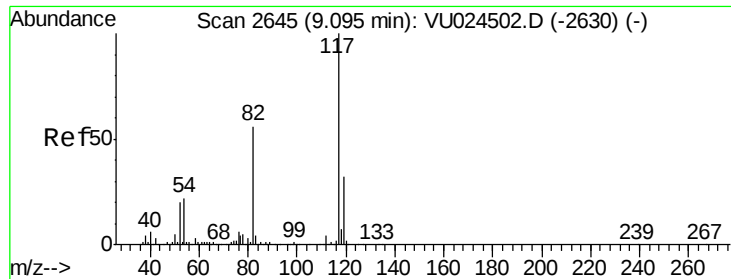
Tgt Ion: 107 Resp: 54725
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 46.385 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion: 95 Resp: 150598
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 165.8
 176 83.3 0.0 159.4

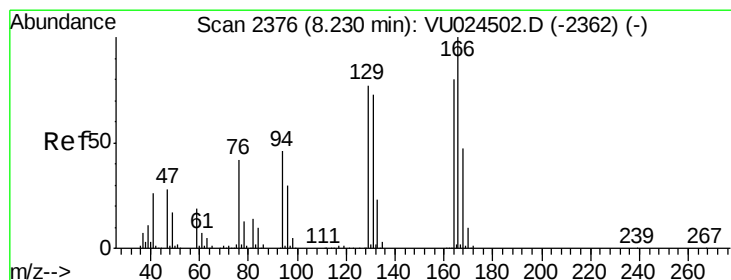
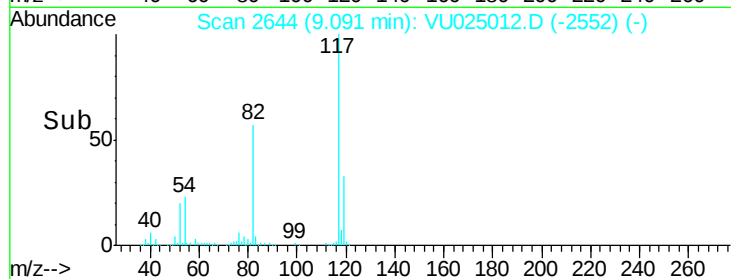
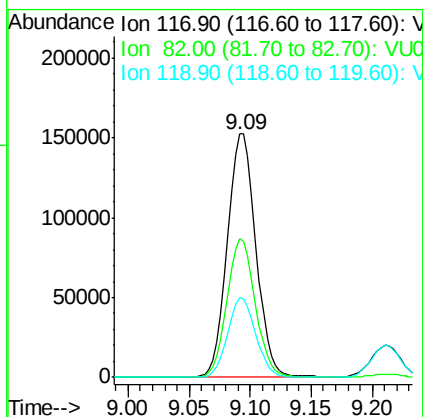
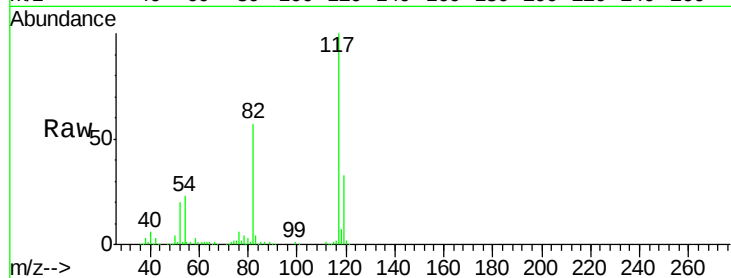




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

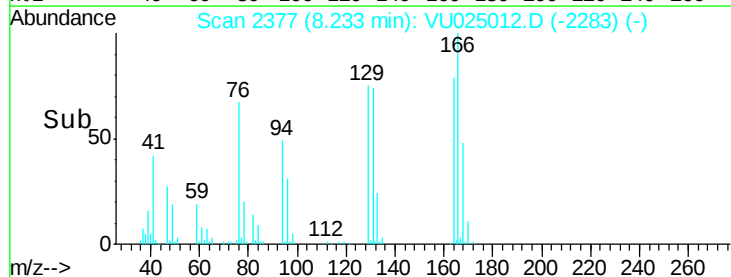
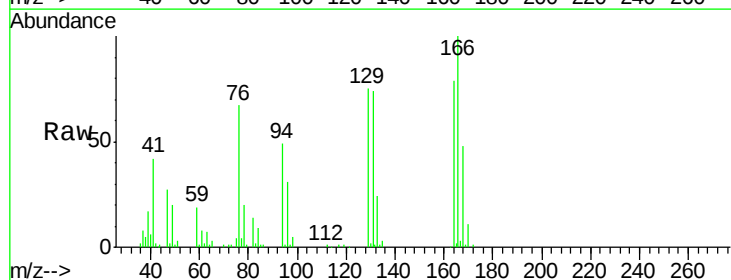
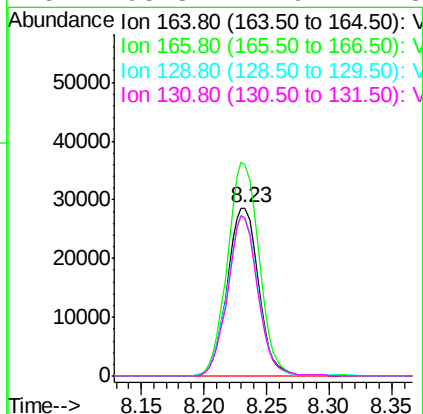
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

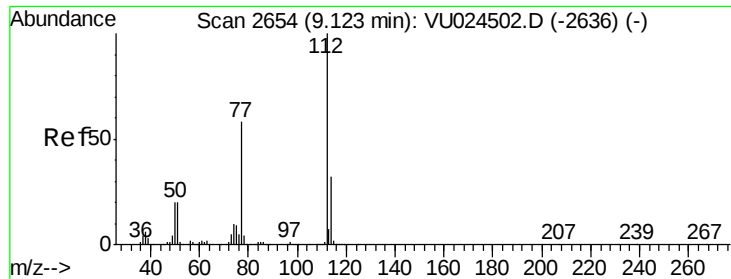
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.3	66.5
119	32.8	25.4	38.2



#64
Tetrachloroethene
Concen: 20.789 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.7	152.5
129	94.5	76.9	115.3
131	93.3	74.9	112.3

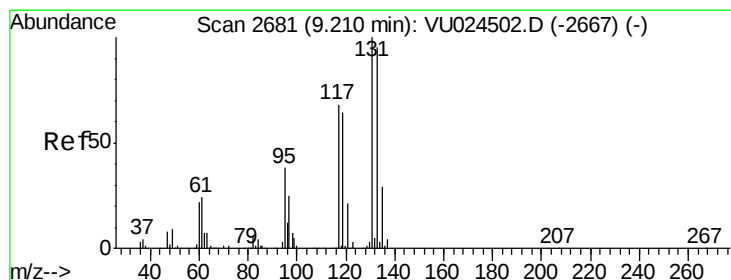
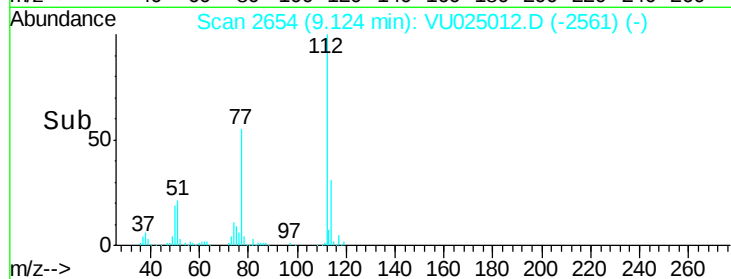
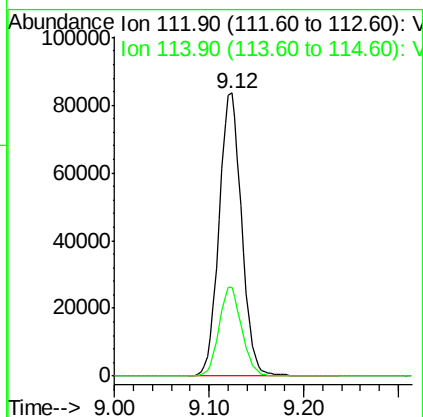
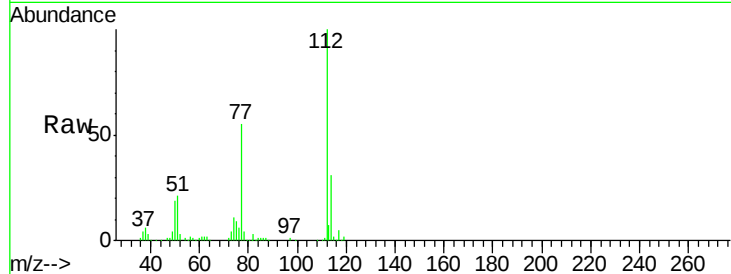




#65
Chlorobenzene
Concen: 21.556 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

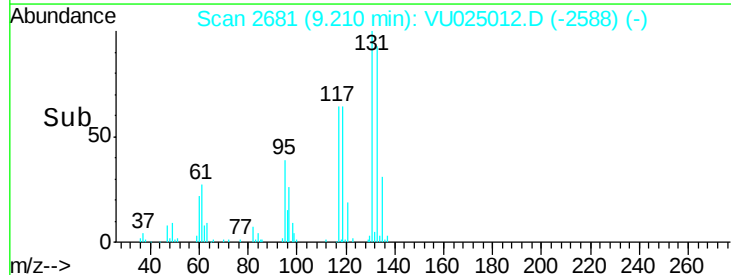
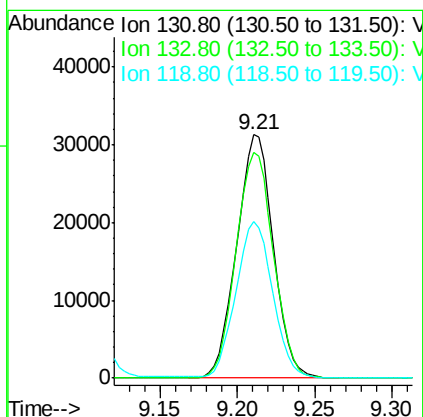
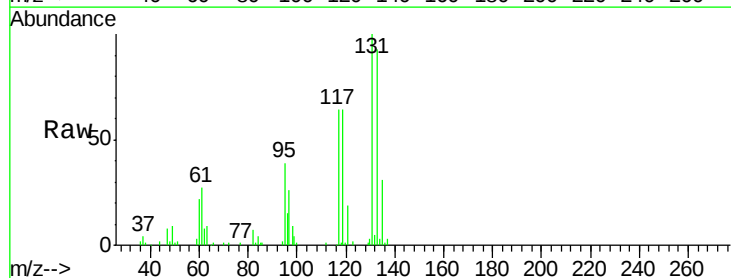
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

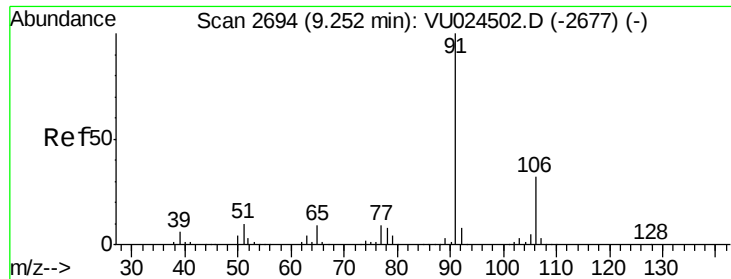
Tgt Ion:112 Resp: 138567
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.079 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion:131 Resp: 51478
Ion Ratio Lower Upper
131 100
133 94.6 46.9 140.8
119 64.8 33.5 100.4

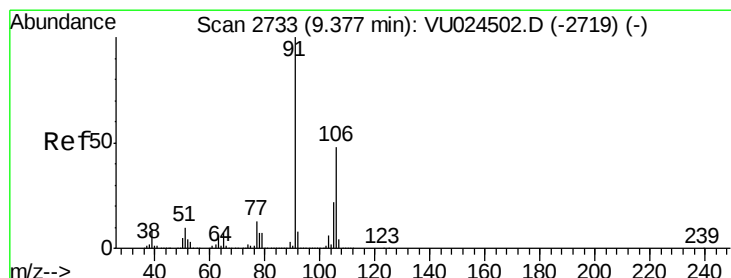
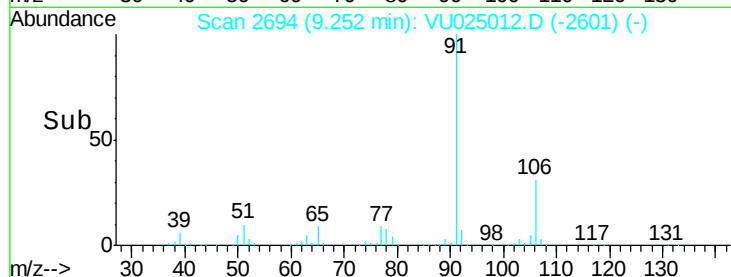
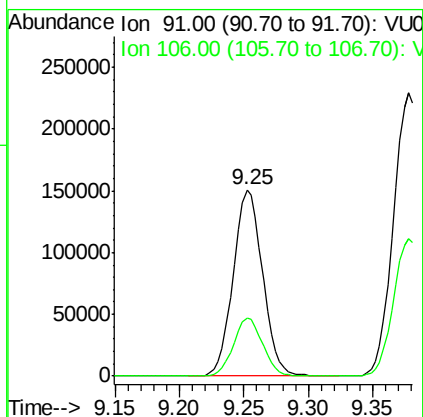
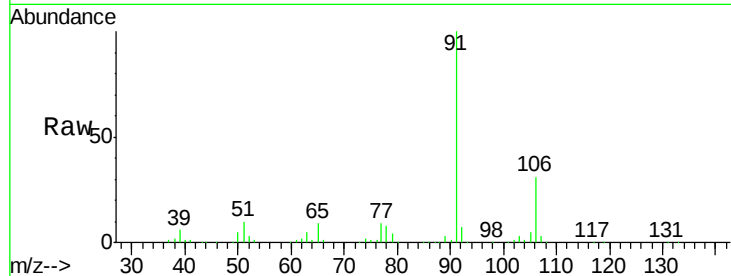




#67
Ethyl Benzene
Concen: 21.249 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

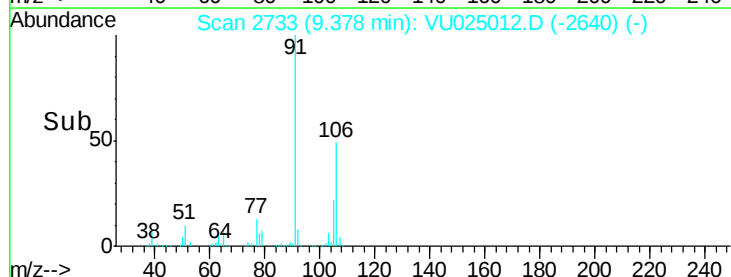
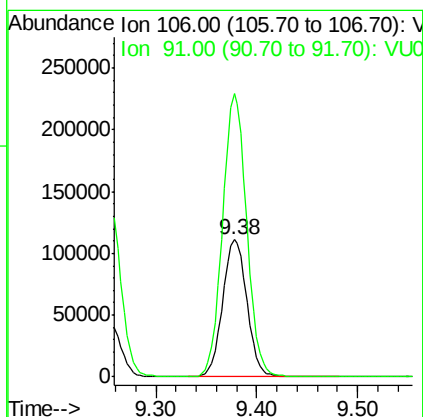
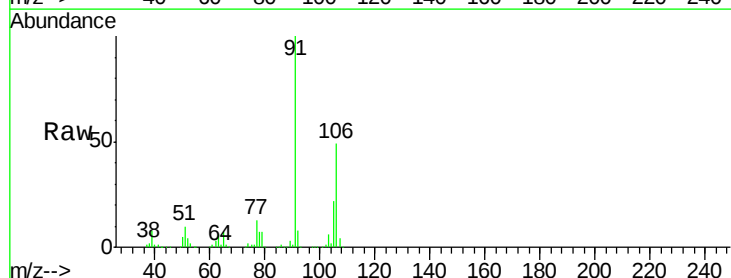
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

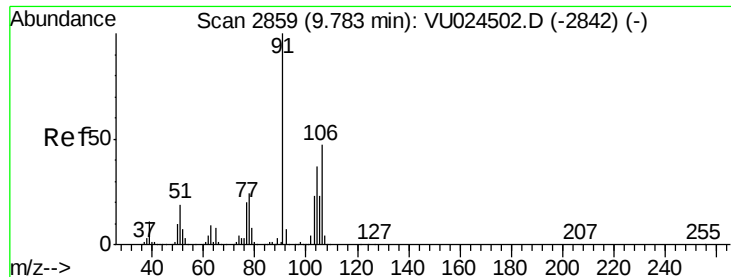
Tgt Ion: 91 Resp: 239459
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4



#68
m/p-Xylenes
Concen: 43.331 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 106 Resp: 187507
Ion Ratio Lower Upper
106 100
91 203.1 166.5 249.7

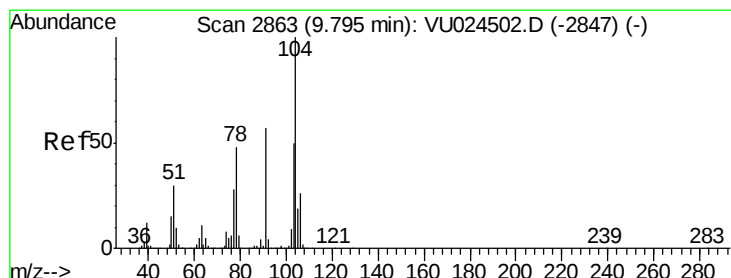
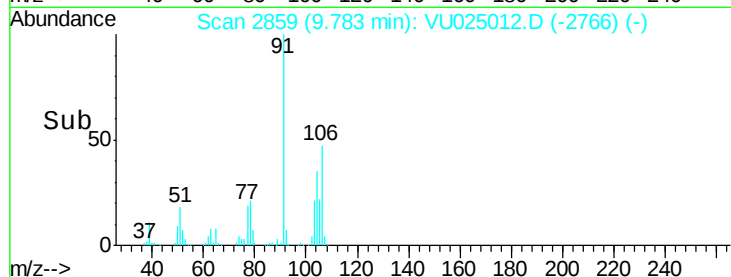
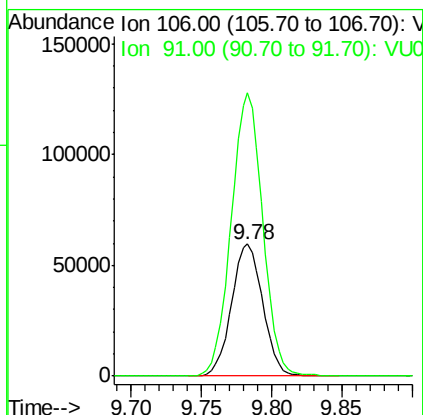
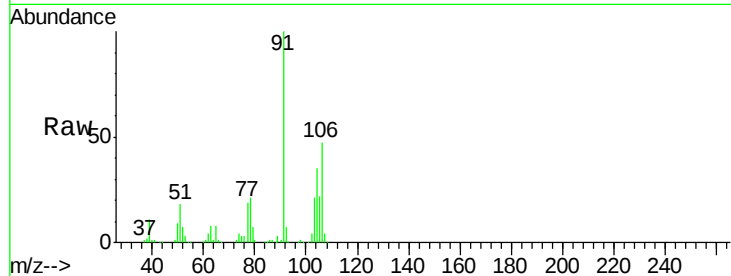




#69
o-Xylene
Concen: 21.518 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

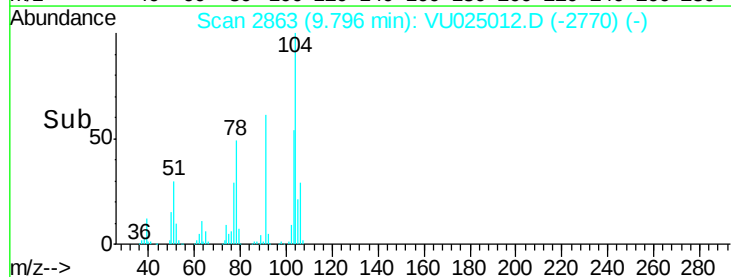
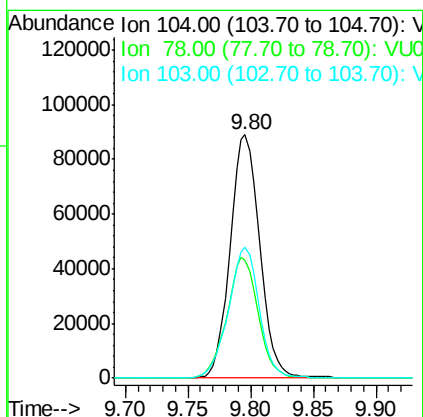
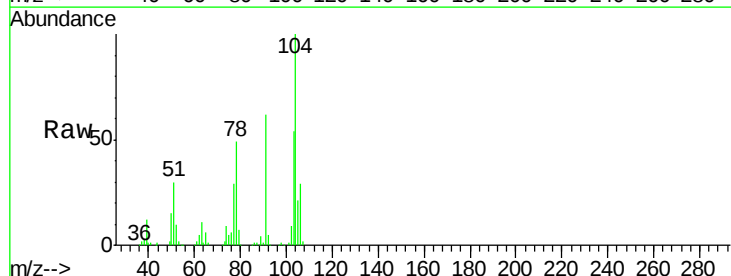
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

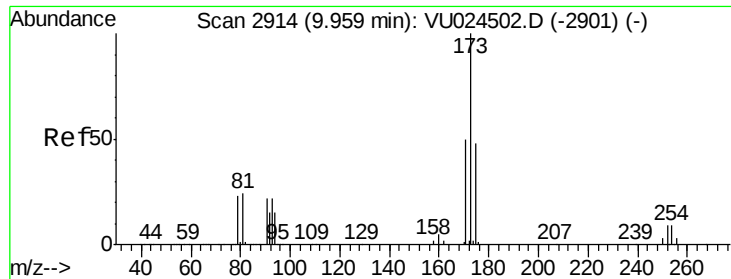
Tgt Ion:106 Resp: 92155
Ion Ratio Lower Upper
106 100
91 216.7 110.7 331.9



#70
Styrene
Concen: 20.761 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion:104 Resp: 146108
Ion Ratio Lower Upper
104 100
78 52.4 40.6 60.8
103 56.0 44.7 67.1





#71

Bromoform

Concen: 18.597 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

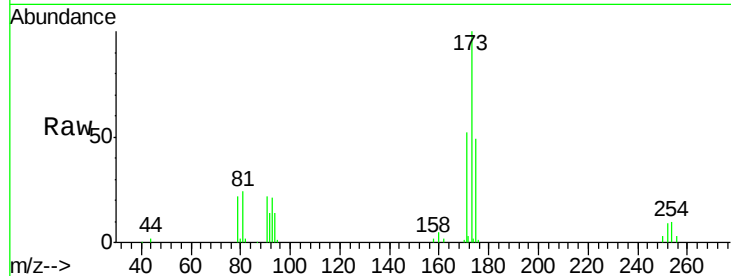
Tgt Ion:173 Resp: 43168

Ion Ratio Lower Upper

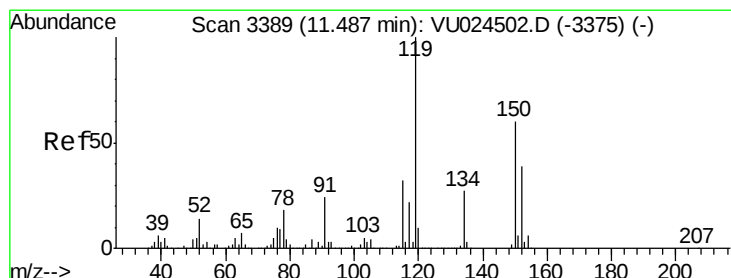
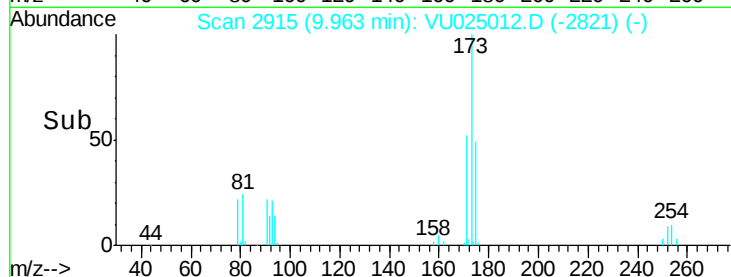
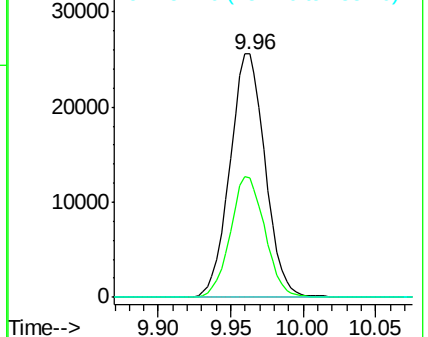
173 100

175 48.4 24.6 74.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

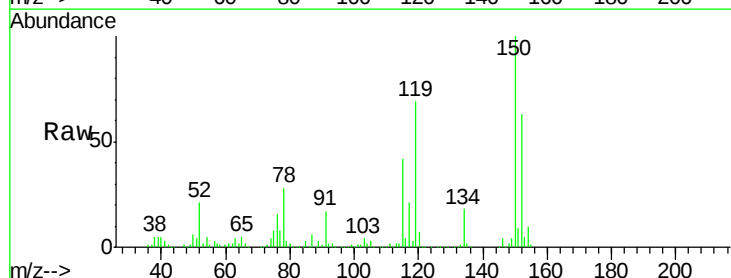
Tgt Ion:152 Resp: 148969

Ion Ratio Lower Upper

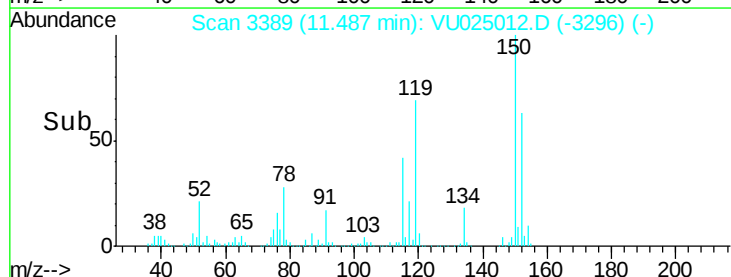
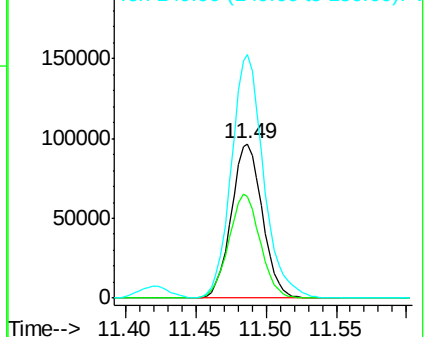
152 100

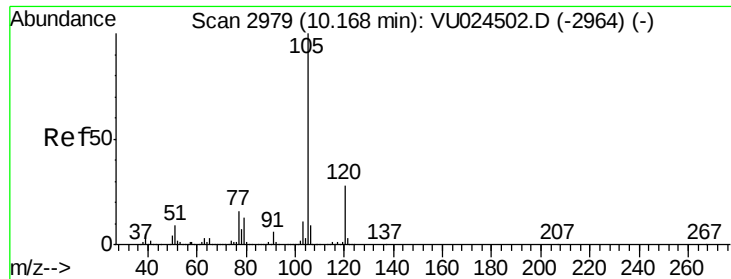
115 68.1 43.0 129.0

150 163.1 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.608 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

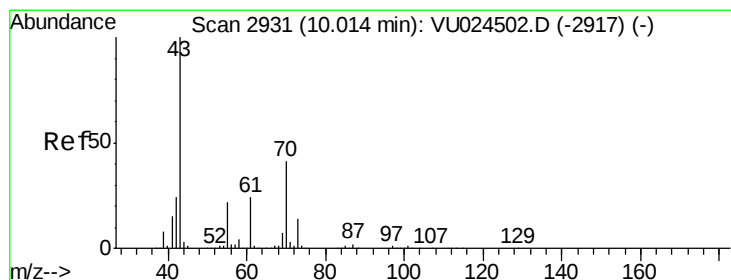
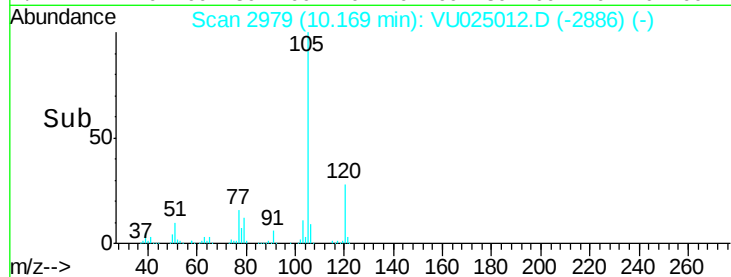
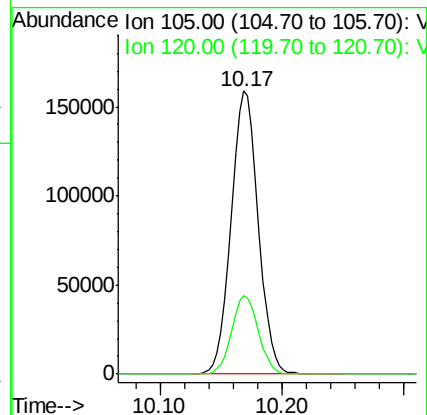
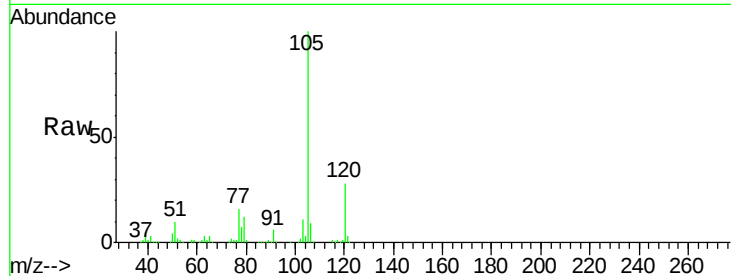
VU0628WBS01

Tgt Ion: 105 Resp: 247141

Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6



#74

N-ethyl acetate

Concen: 18.702 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Tgt Ion: 43 Resp: 101741

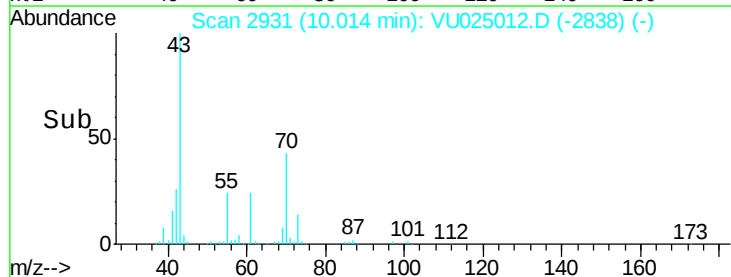
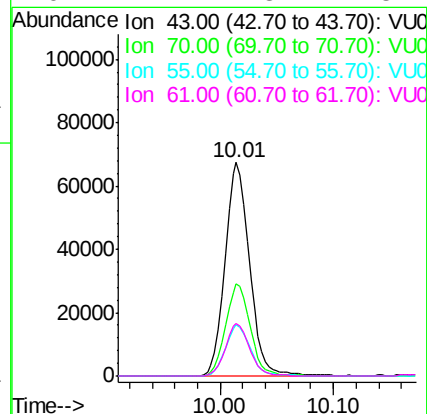
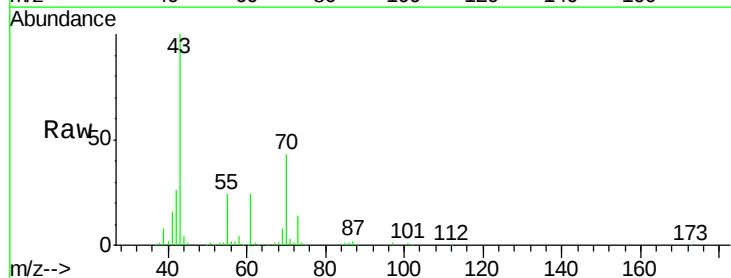
Ion Ratio Lower Upper

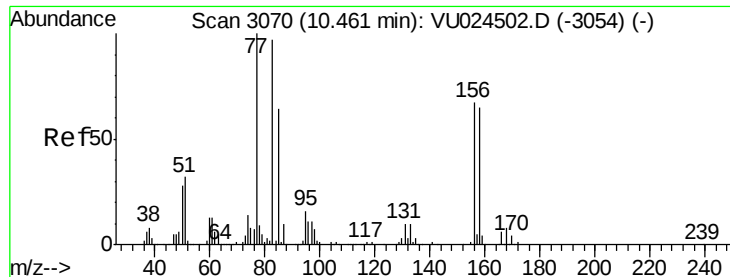
43 100

70 43.3 32.2 48.4

55 24.1 20.5 30.7

61 24.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.216 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

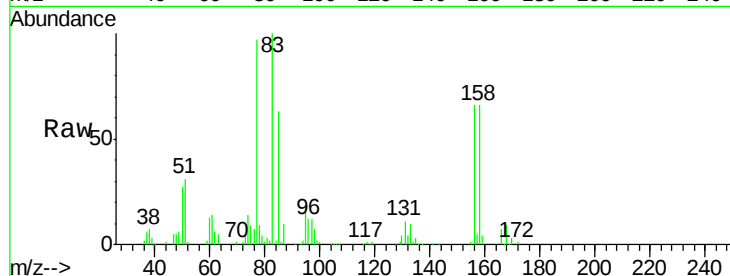
Tgt Ion: 83 Resp: 81315

Ion Ratio Lower Upper

83 100

131 10.2 4.7 14.1

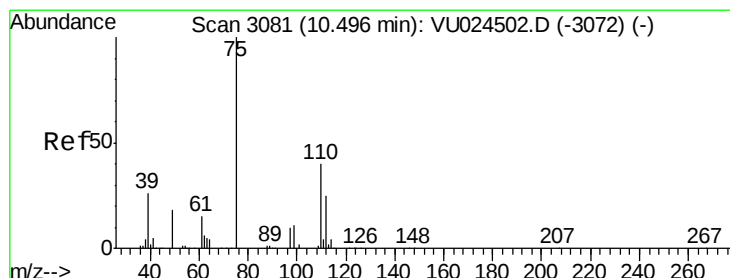
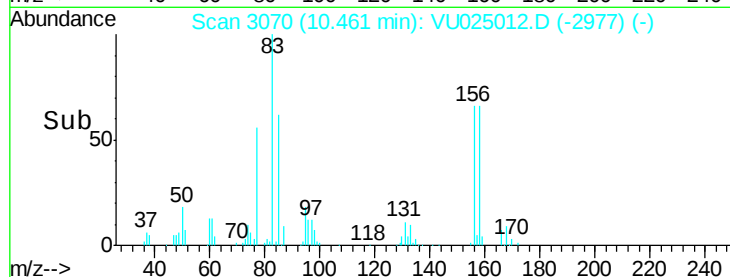
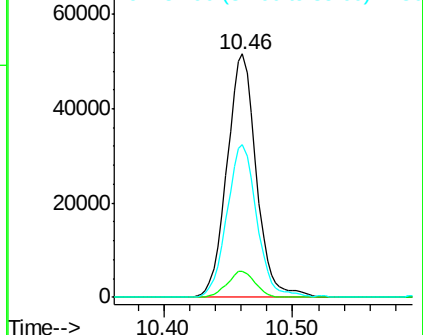
85 64.1 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 29.730 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025012.D

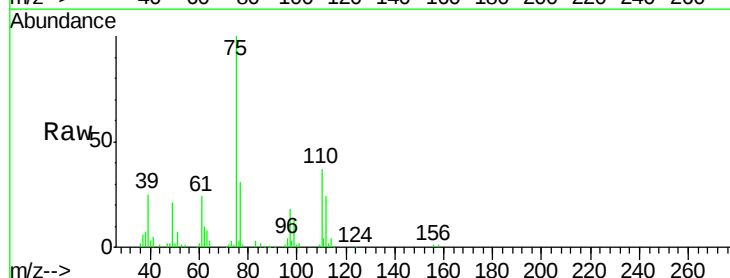
Acq: 28 Jun 2018 11:50

Tgt Ion: 75 Resp: 97506

Ion Ratio Lower Upper

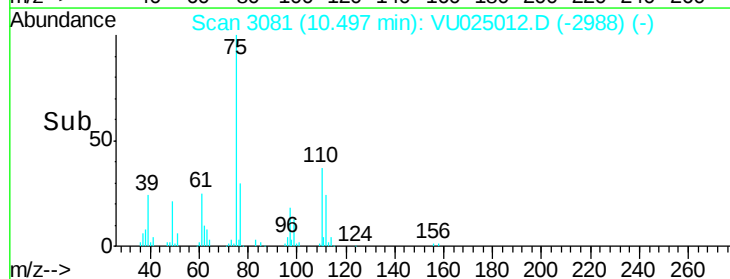
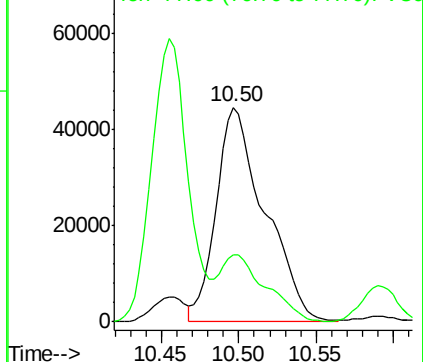
75 100

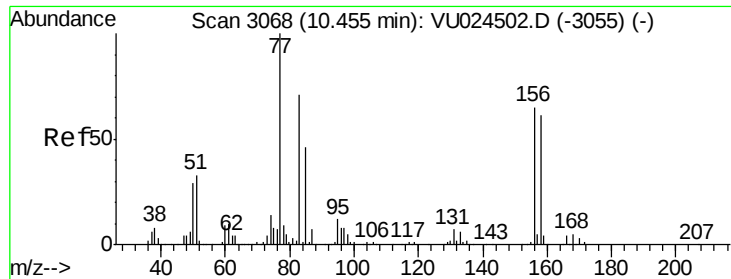
77 29.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 21.585 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

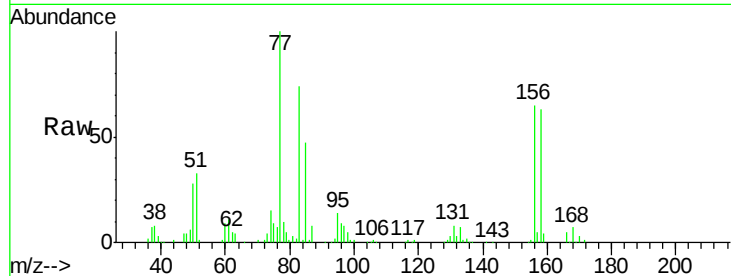
Tgt Ion:156 Resp: 62498

Ion Ratio Lower Upper

156 100

77 153.2 80.5 241.3

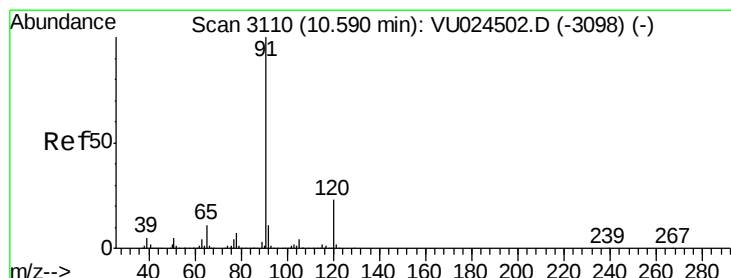
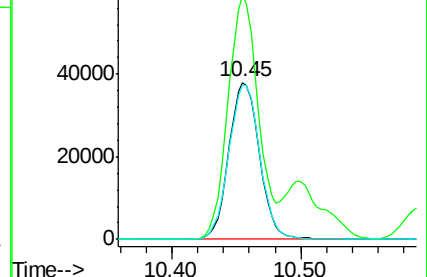
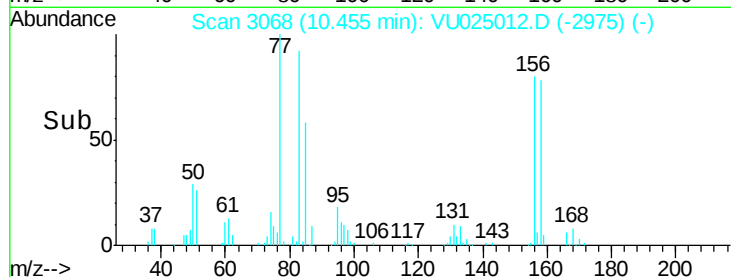
158 99.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.712 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025012.D

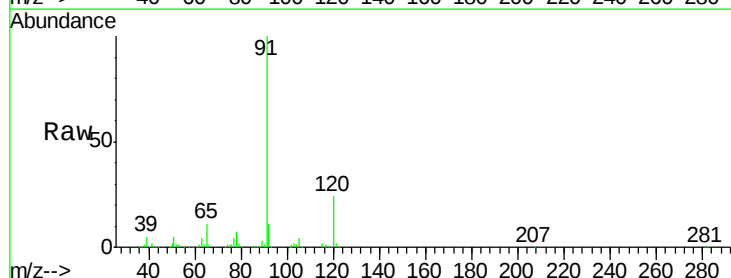
Acq: 28 Jun 2018 11:50

Tgt Ion: 91 Resp: 279045

Ion Ratio Lower Upper

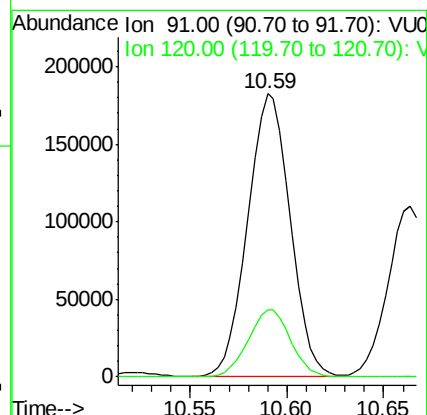
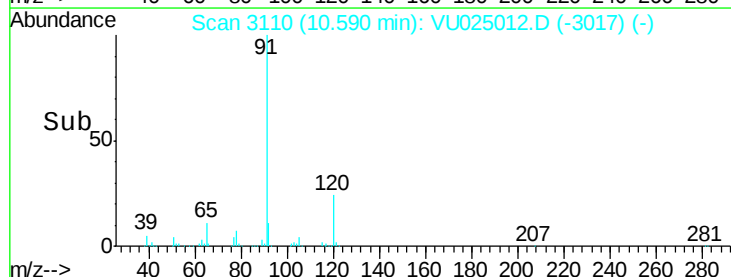
91 100

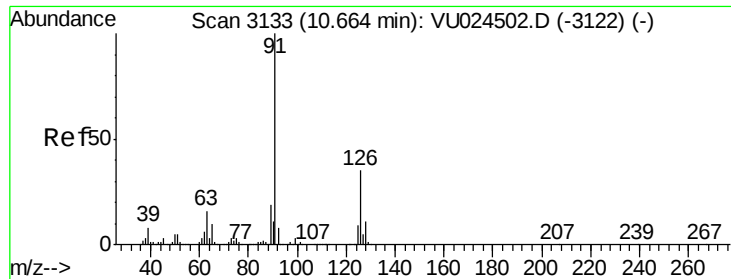
120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.407 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

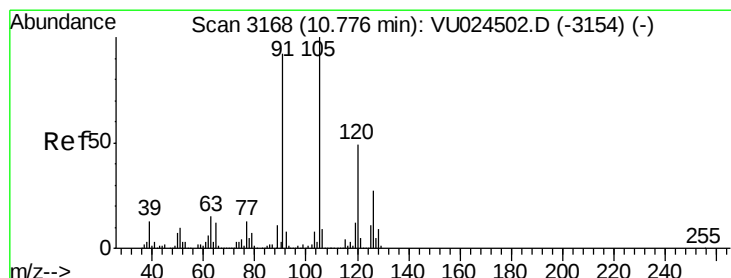
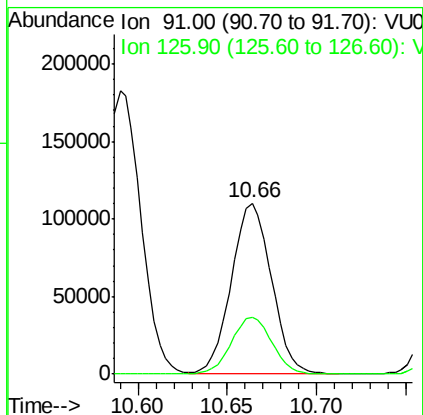
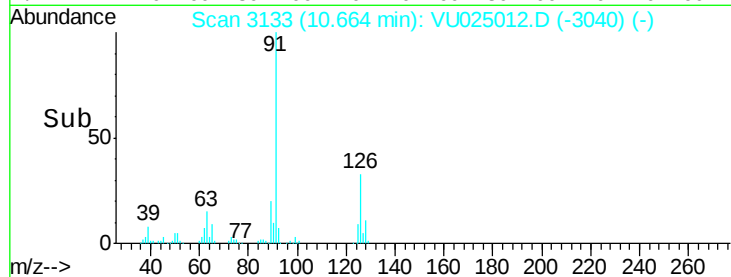
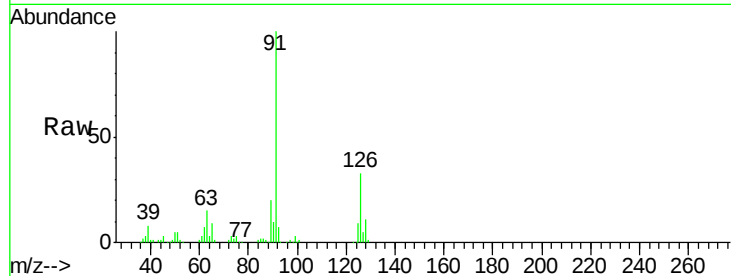
VU0628WBS01

Tgt Ion: 91 Resp: 170083

Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.949 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025012.D

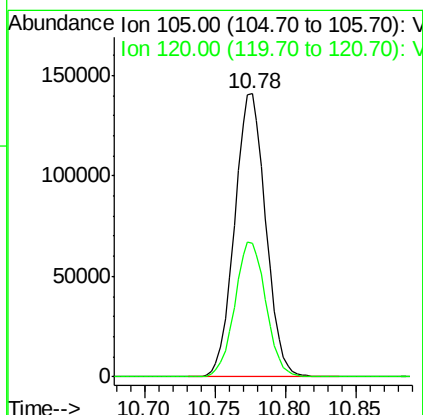
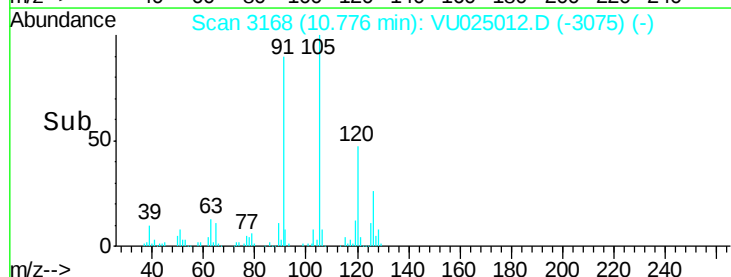
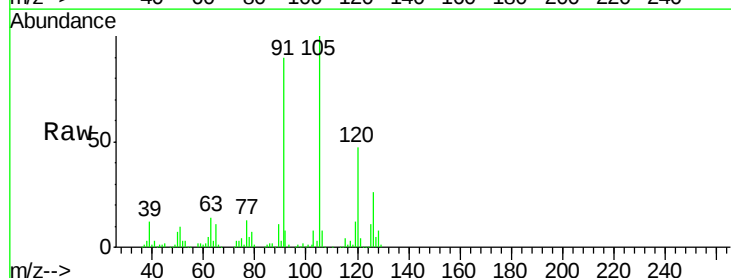
Acq: 28 Jun 2018 11:50

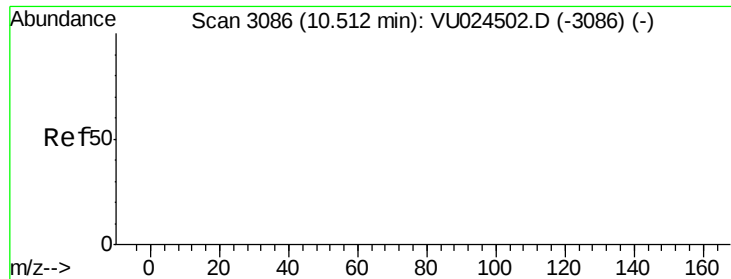
Tgt Ion: 105 Resp: 217587

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.2

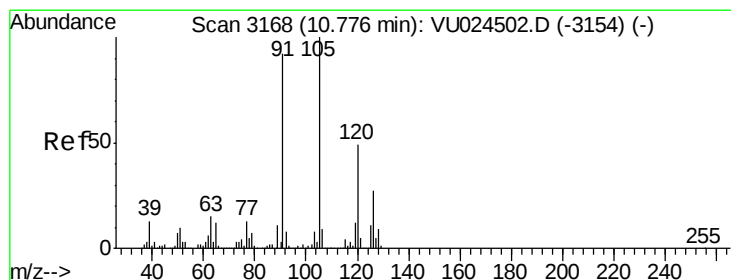
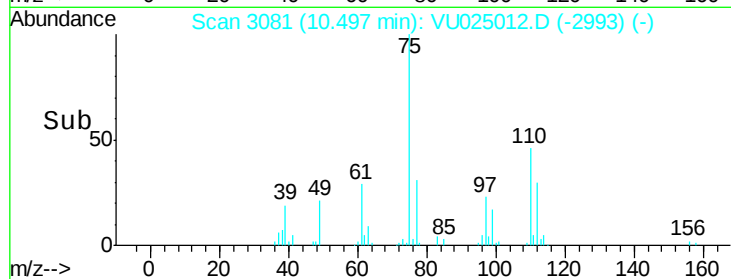
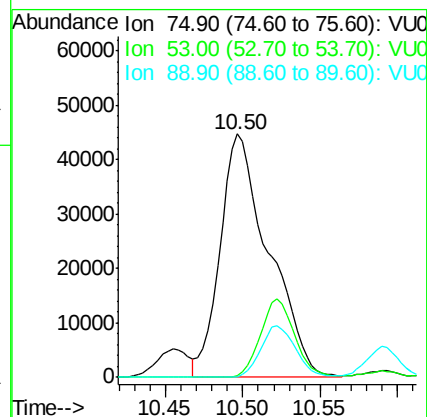
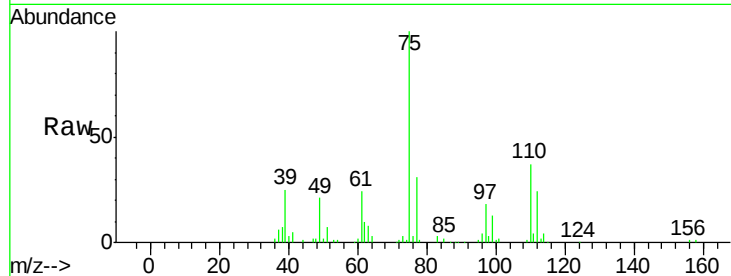




#81
trans-1,4-Dichloro-2-butene
Concen: 68.807 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

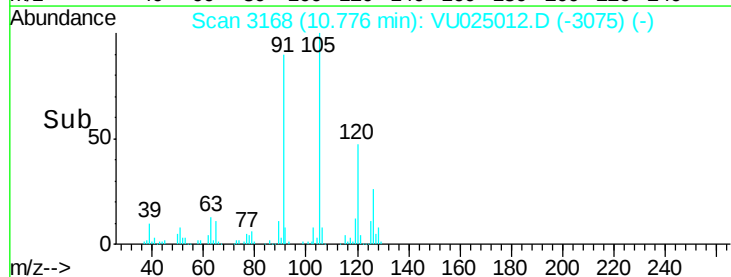
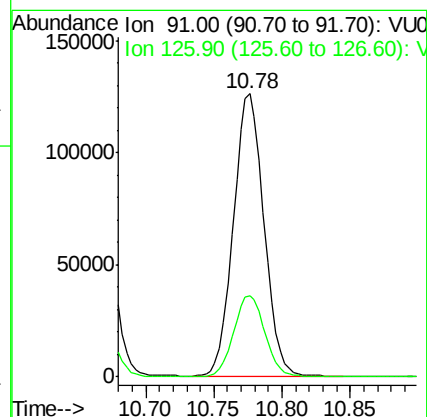
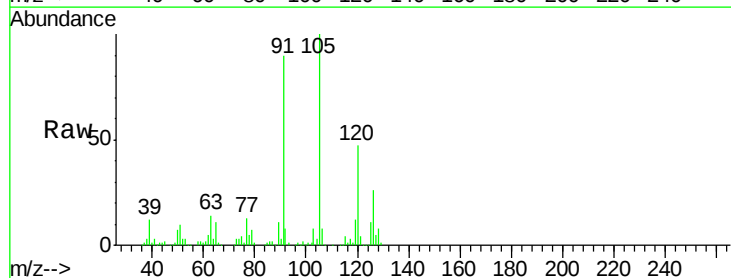
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

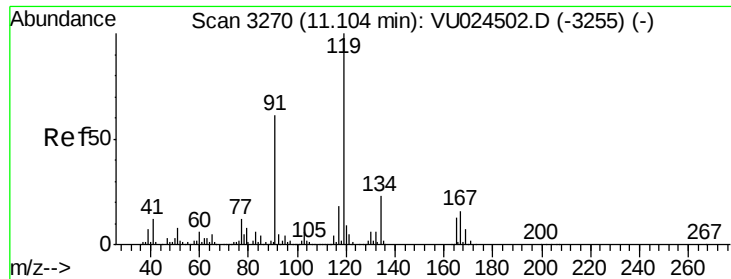
Tgt Ion: 75 Resp: 97506
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.232 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion: 91 Resp: 196338
Ion Ratio Lower Upper
91 100
126 29.5 14.9 44.9

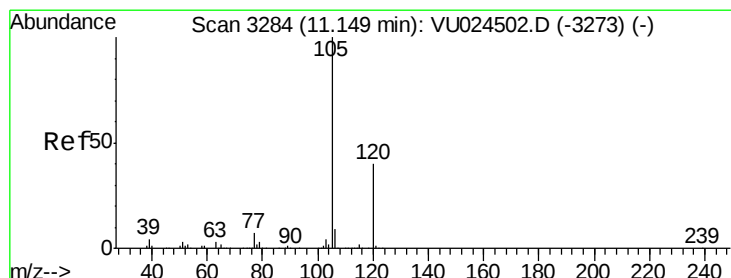
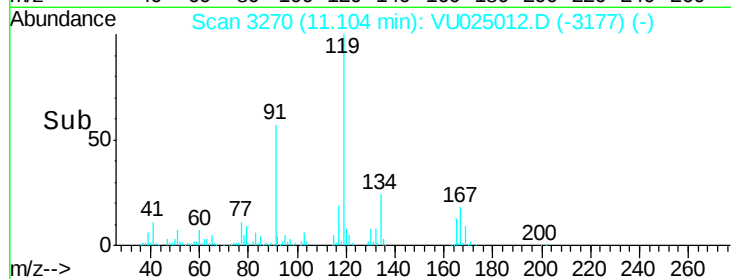
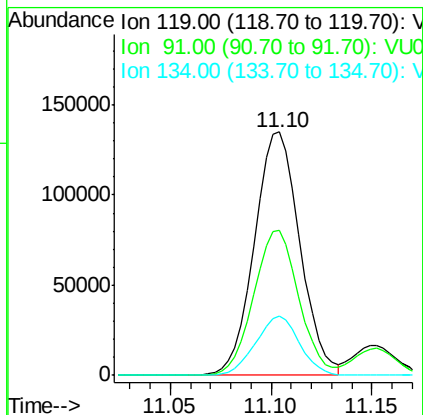
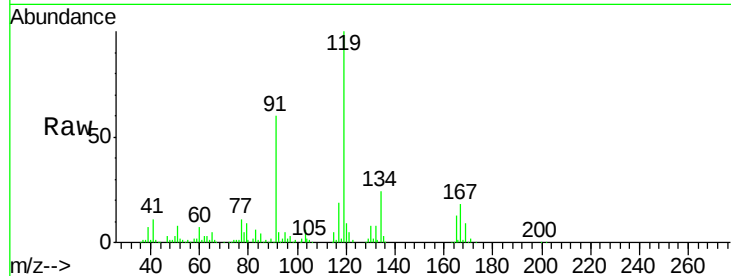




#83
 tert-Butylbenzene
 Concen: 22.280 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

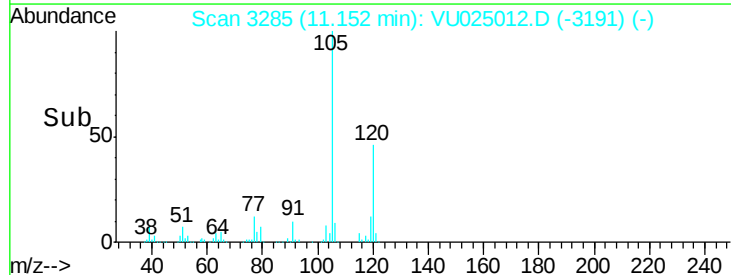
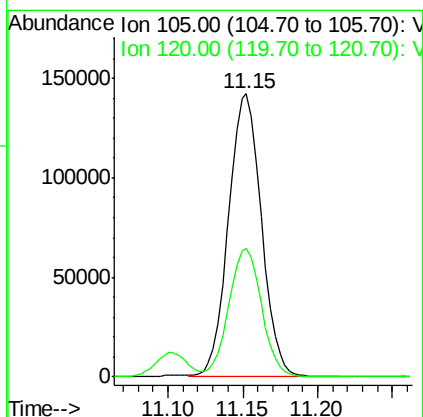
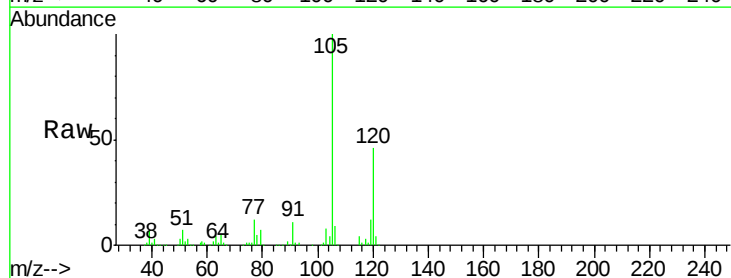
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

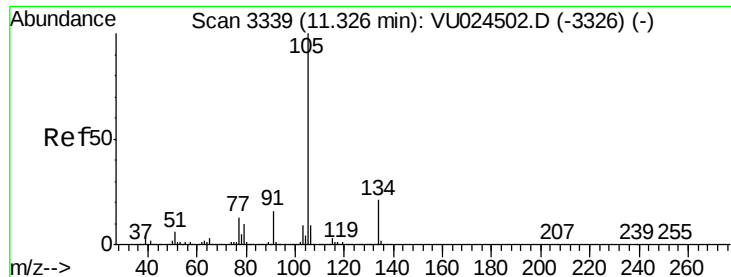
Tgt Ion:119 Resp: 212457
 Ion Ratio Lower Upper
 119 100
 91 59.0 29.7 89.1
 134 23.5 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.484 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion:105 Resp: 217038
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 21.546 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

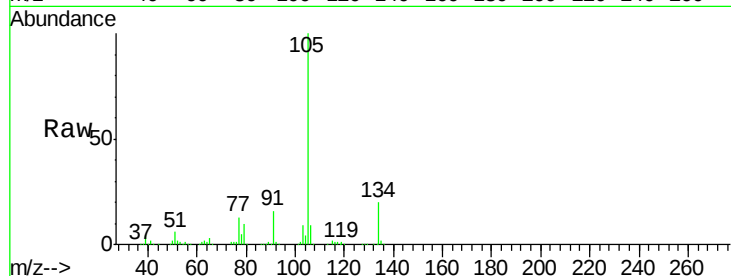
VU0628WBS01

Tgt Ion:105 Resp: 257173

Ion Ratio Lower Upper

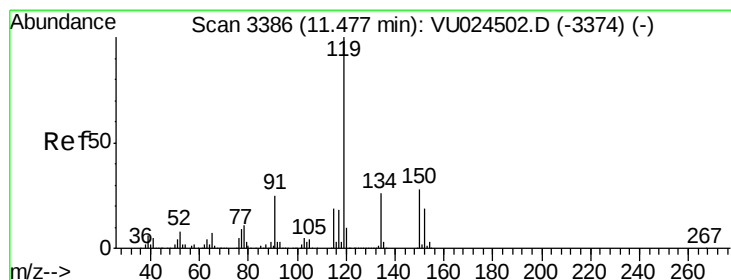
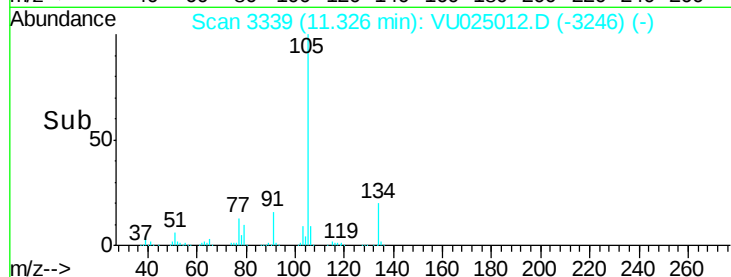
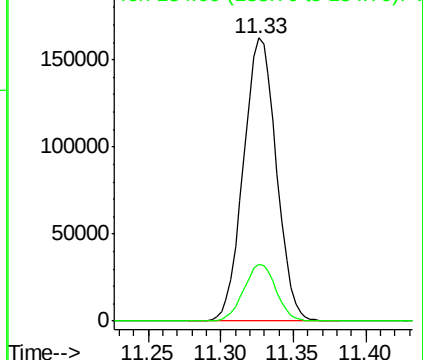
105 100

134 19.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.057 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

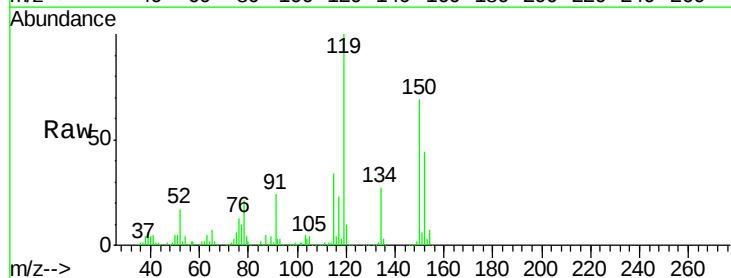
Tgt Ion:119 Resp: 225102

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

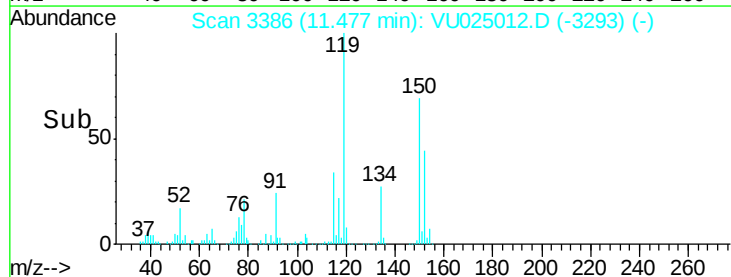
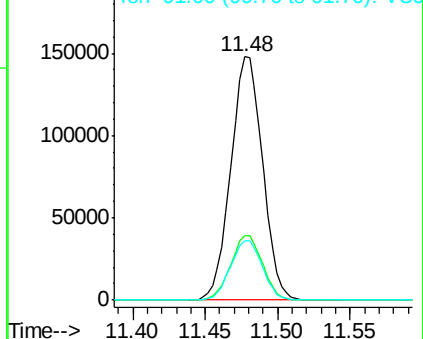
91 24.5 12.0 36.1

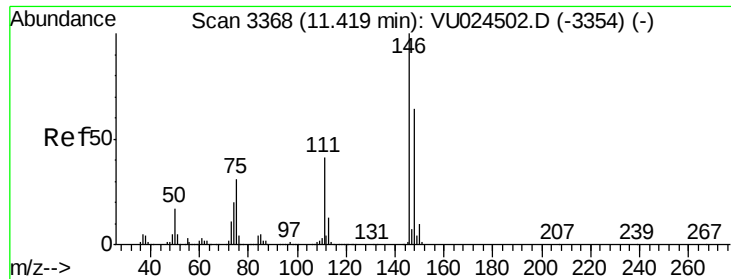


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

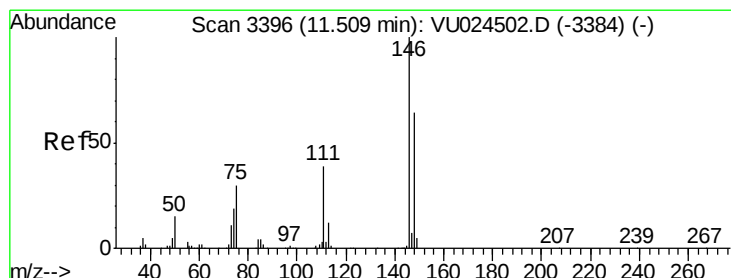
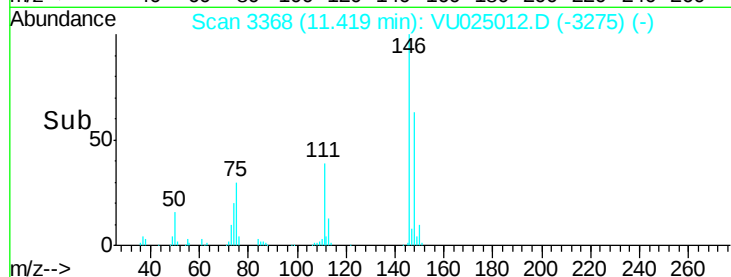
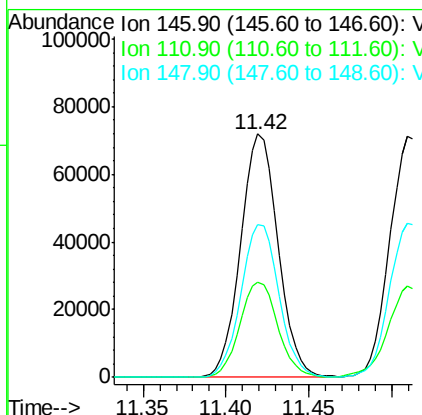
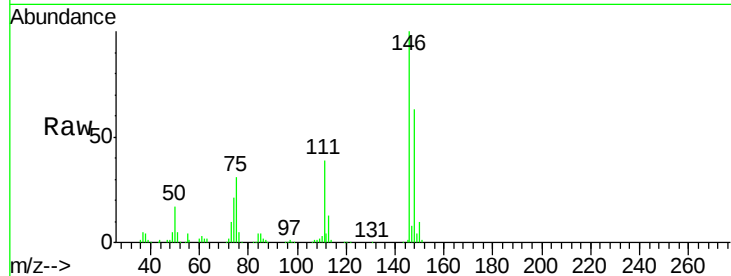




#87
 1,3-Dichlorobenzene
 Concen: 21.123 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

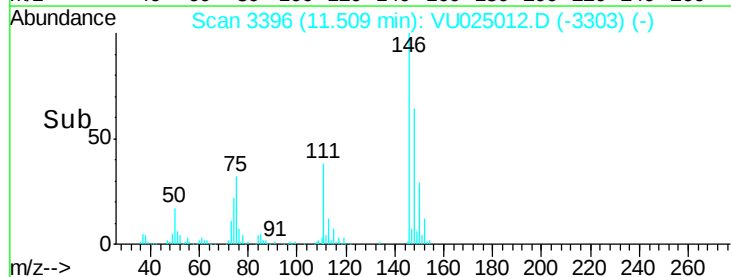
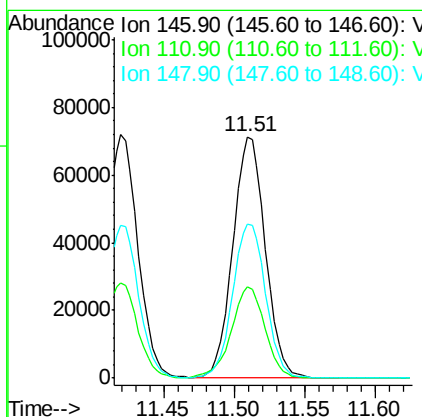
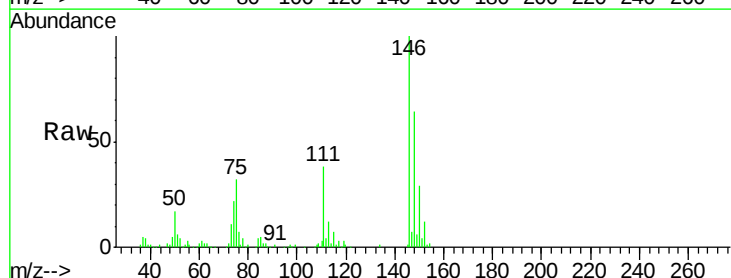
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

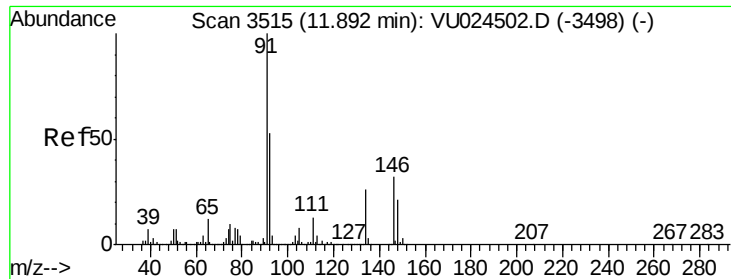
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	63.8	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.308 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	65.3	32.4	97.0





#89

n-Butylbenzene

Concen: 19.134 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025012.D

Acq: 28 Jun 2018 11:50

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBS01

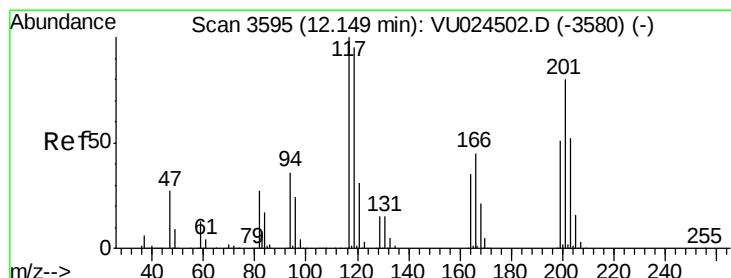
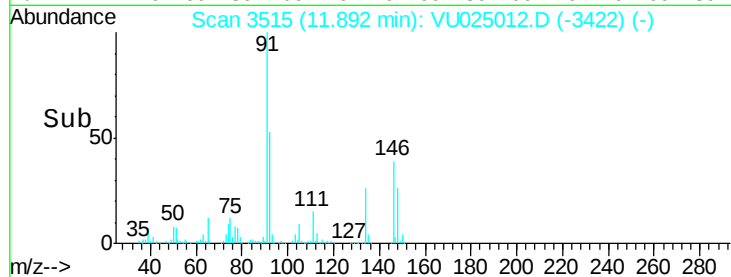
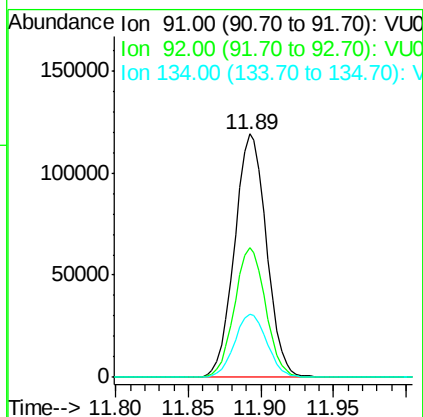
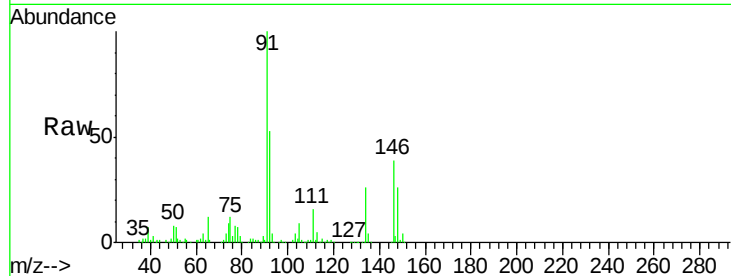
Tgt Ion: 91 Resp: 181604

Ion Ratio Lower Upper

91 100

92 52.2 25.6 76.8

134 26.3 12.3 36.8



#90

Hexachloroethane

Concen: 18.611 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025012.D

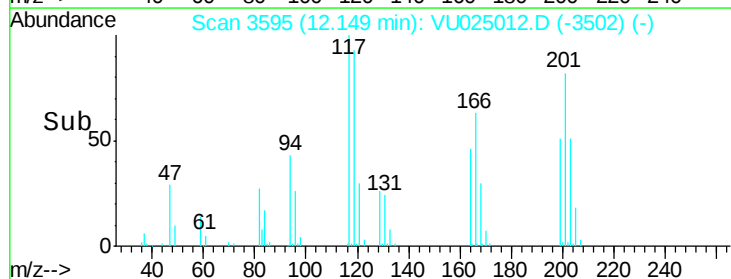
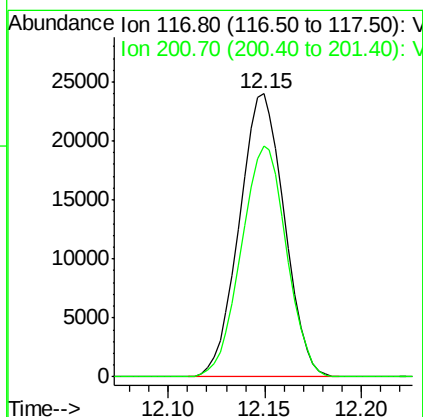
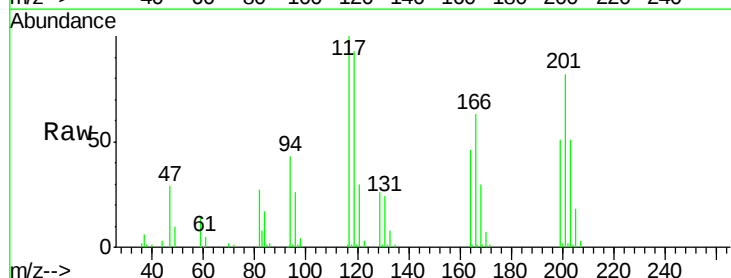
Acq: 28 Jun 2018 11:50

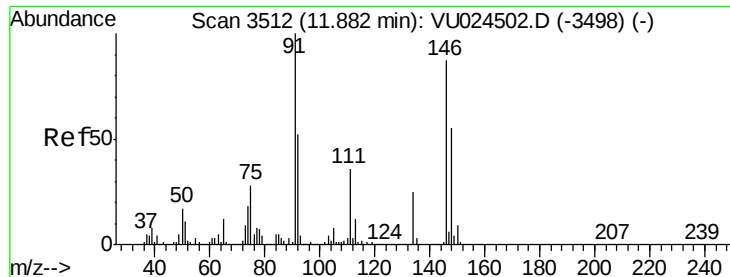
Tgt Ion: 117 Resp: 38812

Ion Ratio Lower Upper

117 100

201 81.9 41.1 123.3

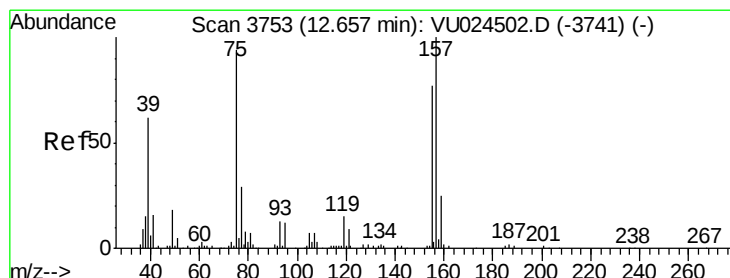
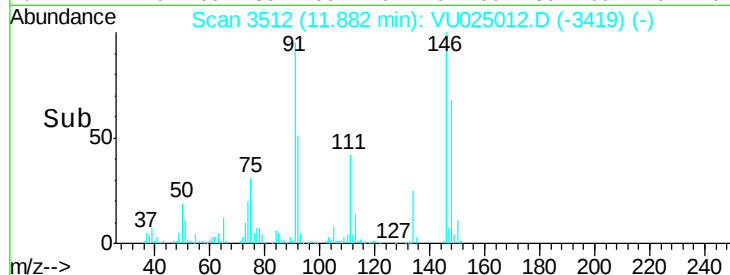
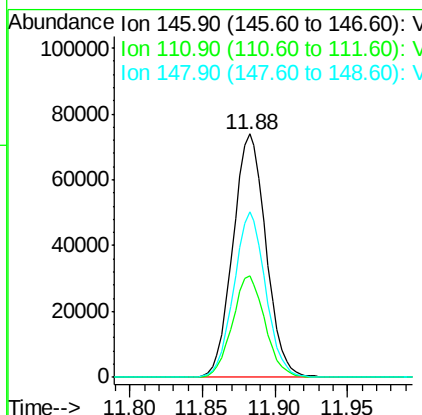
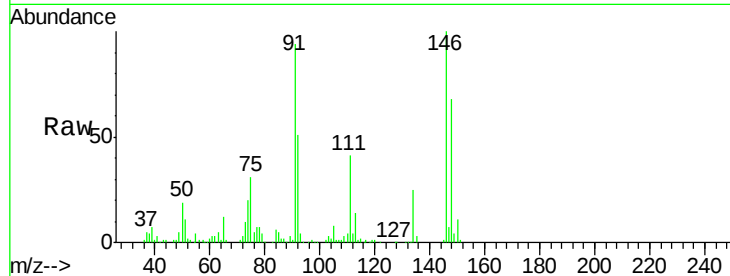




#91
 1,2-Dichlorobenzene
 Concen: 21.830 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

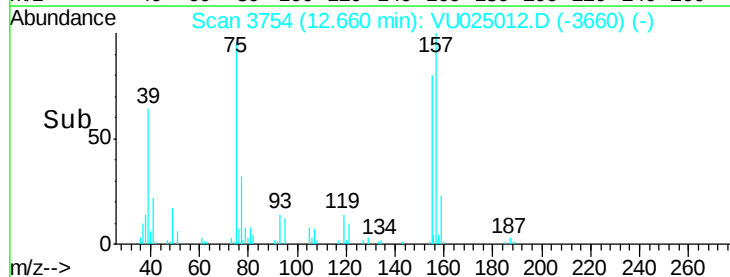
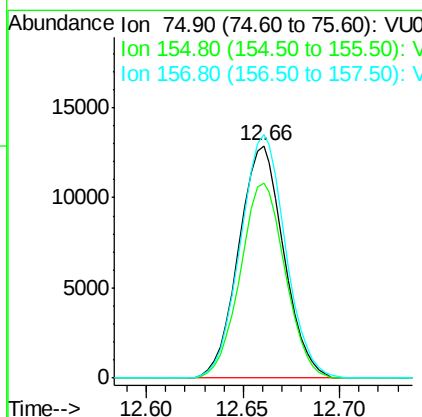
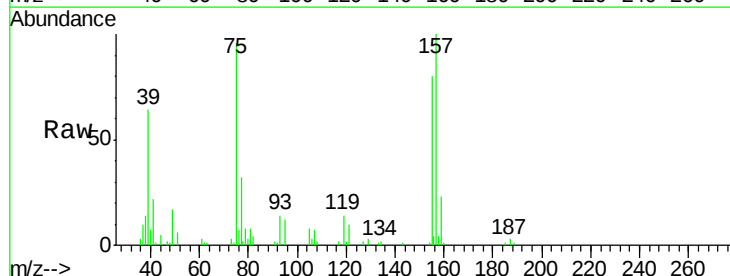
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

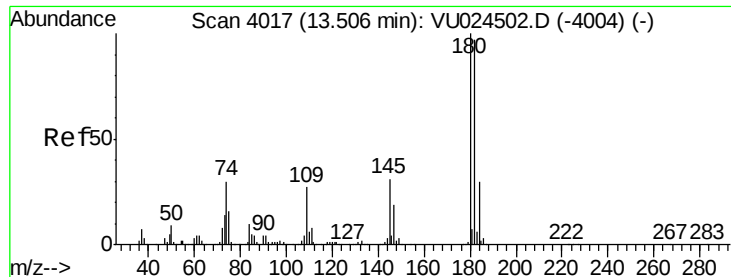
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	65.3	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.752 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.4	121.2
157	105.2	52.3	156.8

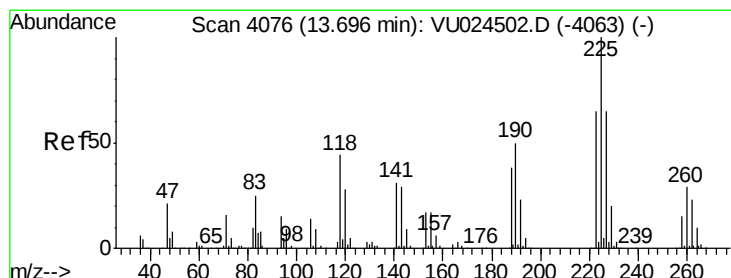
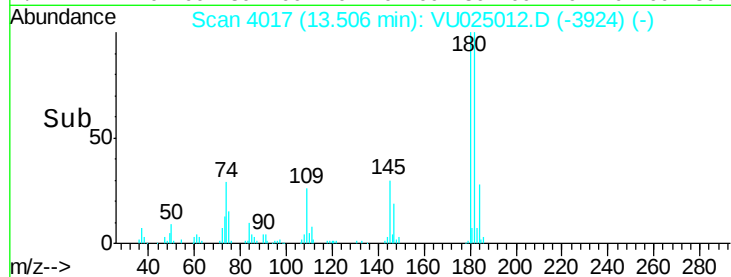
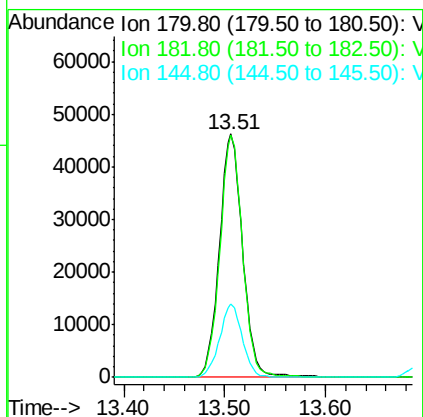
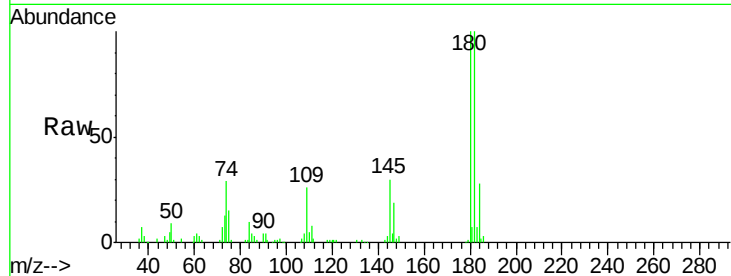




#93
 1,2,4-Trichlorobenzene
 Concen: 22.470 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

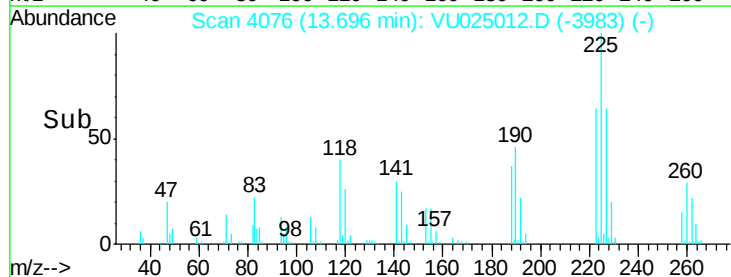
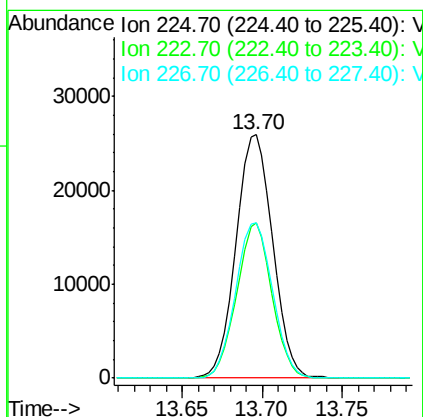
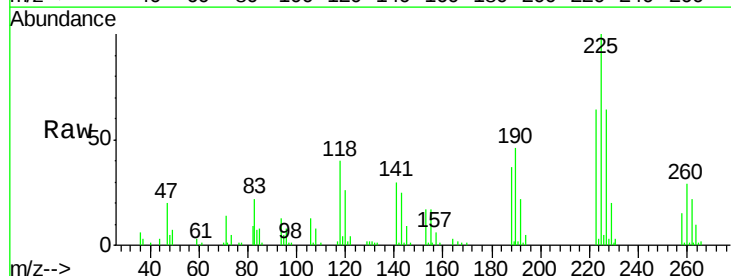
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

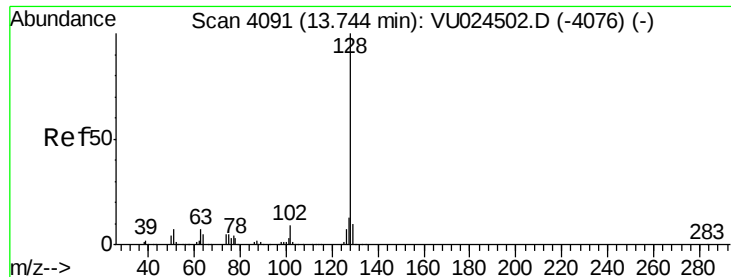
Tgt Ion:180 Resp: 74349
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.0 144.2
 145 29.5 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 21.718 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025012.D
 Acq: 28 Jun 2018 11:50

Tgt Ion:225 Resp: 40447
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.3 93.8
 227 64.2 31.8 95.4

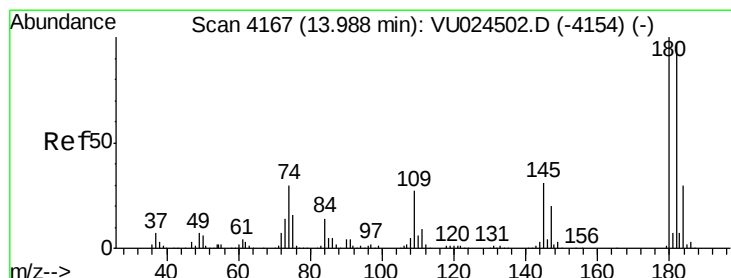
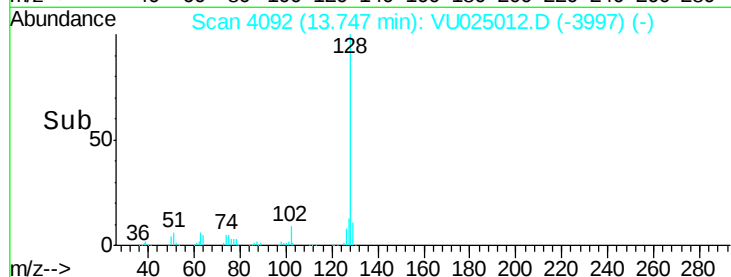
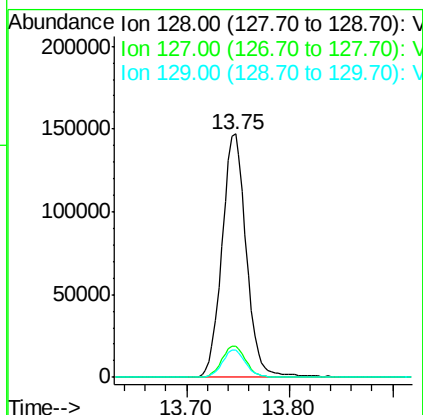
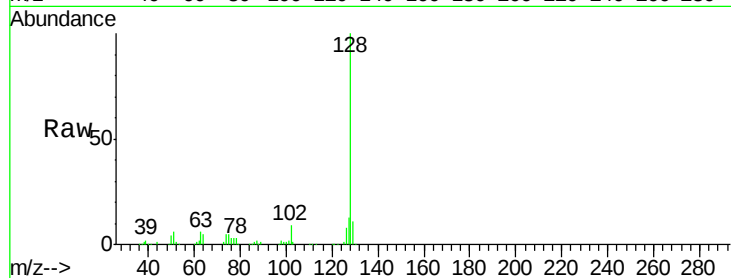




#95
Naphthalene
Concen: 22.407 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBS01

Tgt Ion:128 Resp: 241282
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 23.490 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025012.D
Acq: 28 Jun 2018 11:50

Tgt Ion:180 Resp: 77446
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 31.9 15.4 46.1

