

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024861.D
 Acq On : 23 Jun 2018 03:06
 Operator : MD/SY
 Sample : J3592-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 23 04:46:17 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	175156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	124801	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	4.89	113	100298	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	7.57	98	347643	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	
62) 4-Bromofluorobenzene	10.31	95	137615	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	93993	42.87	ug/l	98
3) Chloromethane	1.33	50	94223	42.07	ug/l	98
4) Vinyl Chloride	1.40	62	328660	142.28	ug/l	99
5) Bromomethane	1.62	94	57664	51.64	ug/l	98
6) Chloroethane	1.70	64	68800	53.37	ug/l	98
7) Trichlorofluoromethane	1.89	101	168876	47.91	ug/l	99
8) Diethyl Ether	2.10	74	63061	52.67	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	94718	43.31	ug/l	97
10) Methyl Iodide	2.41	142	102164	54.65	ug/l	99
11) Tert butyl alcohol	2.83	59	169383	243.56	ug/l	99
12) 1,1-Dichloroethene	2.29	96	88545	44.40	ug/l	94
13) Acrolein	2.20	56	47099	128.97	ug/l	99
14) Allyl chloride	2.60	41	164594	44.45	ug/l	# 83
15) Acrylonitrile	2.94	53	317407	234.58	ug/l	99
16) Acetone	2.32	43	305523	198.86	ug/l	100
17) Carbon Disulfide	2.48	76	251723	39.42	ug/l	99
18) Methyl Acetate	2.62	43	166216	50.46	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	350812	46.79	ug/l	98
20) Methylene Chloride	2.71	84	102460	42.50	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	115716	52.68	ug/l	97
22) Diisopropyl ether	3.57	45	343834	46.84	ug/l	94
23) Vinyl Acetate	3.53	43	1430079	217.47	ug/l	98
24) 1,1-Dichloroethane	3.45	63	195418	46.28	ug/l	100
25) 2-Butanone	4.26	43	482333	233.72	ug/l	97
26) 2,2-Dichloropropane	4.23	77	152565	38.05	ug/l	84
27) cis-1,2-Dichloroethene	4.23	96	469836	186.05	ug/l	90
28) Bromochloromethane	4.55	49	86430	46.47	ug/l	90
29) Tetrahydrofuran	4.64	42	306070	239.49	ug/l	97
30) Chloroform	4.68	83	208071	48.68	ug/l	100
31) Cyclohexane	5.00	56	173052	45.99	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	187138	47.35	ug/l	96
36) 1,1-Dichloropropene	5.14	75	143313	45.66	ug/l	97
37) Ethyl Acetate	4.38	43	165158	48.27	ug/l	98
38) Carbon Tetrachloride	5.14	117	170276	49.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	176581	45.08	ug/l	96
40) Benzene	5.39	78	427793	47.83	ug/l	99
41) Methacrylonitrile	4.54	41	95842	51.96	ug/l	98
42) 1,2-Dichloroethane	5.41	62	175531	51.53	ug/l	99
43) Isopropyl Acetate	5.55	43	276124	46.69	ug/l	99
44) Trichloroethene	6.19	130	166098	65.25	ug/l	95
45) 1,2-Dichloropropane	6.44	63	117677	49.31	ug/l	100
46) Dibromomethane	6.56	93	84687	50.52	ug/l	96
47) Bromodichloromethane	6.76	83	162483	48.68	ug/l	99
48) Methyl methacrylate	6.63	41	141624	49.18	ug/l	98
49) 1,4-Dioxane	6.63	88	76130	1351.86	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	953713	256.70	ug/l	99
52) Toluene	7.64	92	274202	47.65	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	171195	45.67	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	177819	44.52	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116631	49.86	ug/l	98
56) Ethyl methacrylate	8.02	69	189151	48.31	ug/l	98
57) 1,3-Dichloropropane	8.25	76	197641	50.09	ug/l	98
59) 2-Hexanone	8.36	43	768039	253.21	ug/l	100
60) Dibromochloromethane	8.48	129	136680	46.86	ug/l	100
61) 1,2-Dibromoethane	8.59	107	129053	49.57	ug/l	98
64) Tetrachloroethene	8.23	164	102596	42.12	ug/l	98
65) Chlorobenzene	9.12	112	319539	48.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	121945	49.03	ug/l	99
67) Ethyl Benzene	9.25	91	548941	47.83	ug/l	98
68) m/p-Xylenes	9.38	106	424368	96.30	ug/l	97
69) o-Xylene	9.78	106	211352	48.46	ug/l	97
70) Stvrene	9.80	104	343849	47.98	ug/l	98
71) Bromoform	9.96	173	108131	45.74	ug/l #	100
73) Isopropylbenzene	10.17	105	578798	48.48	ug/l	99
74) N-amyl acetate	10.01	43	257257	45.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	200428	50.10	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	225331	65.82	ug/l	85
77) Bromobenzene	10.45	156	146134	48.35	ug/l	95
78) n-propylbenzene	10.59	91	658272	46.81	ug/l	97
79) 2-Chlorotoluene	10.66	91	392276	47.30	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	492641	47.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	225331	152.34	ug/l #	100
82) 4-Chlorotoluene	10.78	91	456277	47.27	ug/l	100
83) tert-Butylbenzene	11.10	119	501013	50.34	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	508991	48.27	ug/l	99
85) sec-Butylbenzene	11.33	105	605218	48.58	ug/l	97
86) p-Isopropyltoluene	11.48	119	532755	47.75	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	267904	47.98	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	267425	47.59	ug/l	100
89) n-Butylbenzene	11.89	91	451652	45.59	ug/l	96
90) Hexachloroethane	12.15	117	97300	44.70	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	279517	49.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55458	50.24	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	190275	55.10	ug/l	99

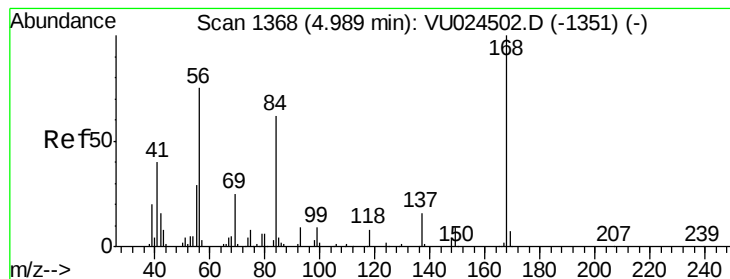
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	96721	49.76	ug/l	99
95) Naphthalene	13.74	128	653430	57.06	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	202834	58.94	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

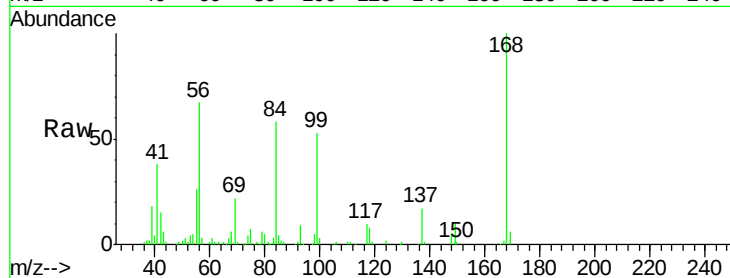
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 175156

Ion Ratio Lower Upper

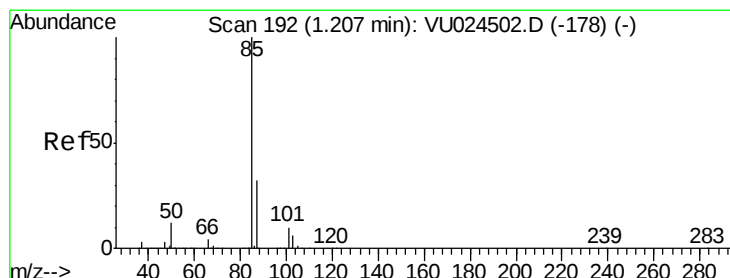
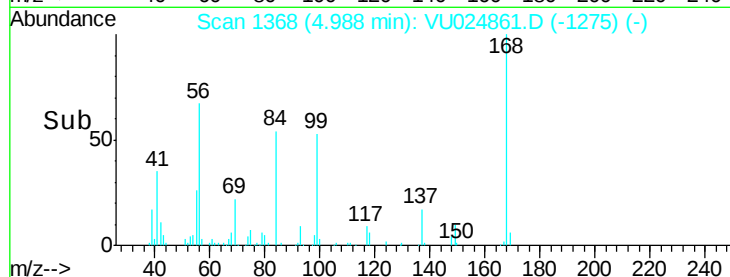
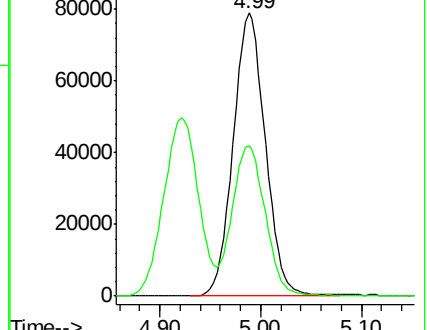
168 100

99 52.9 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: 42.87 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024861.D

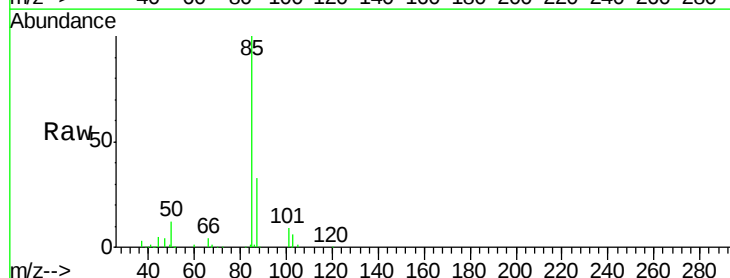
Acq: 23 Jun 2018 03:06

Tgt Ion: 85 Resp: 93993

Ion Ratio Lower Upper

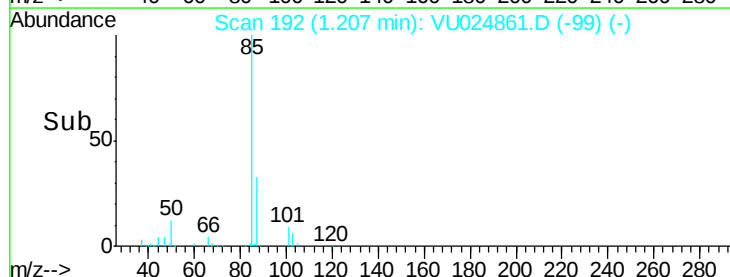
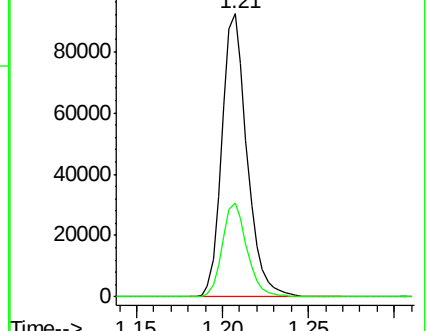
85 100

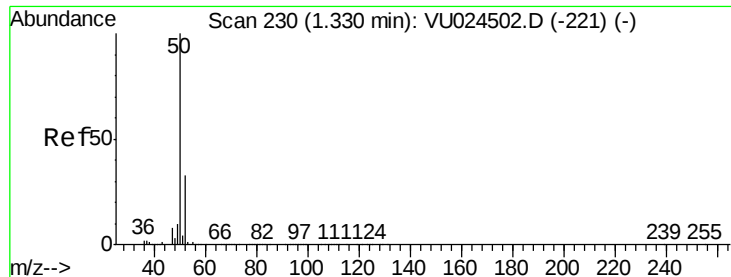
87 33.4 16.1 48.2



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

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

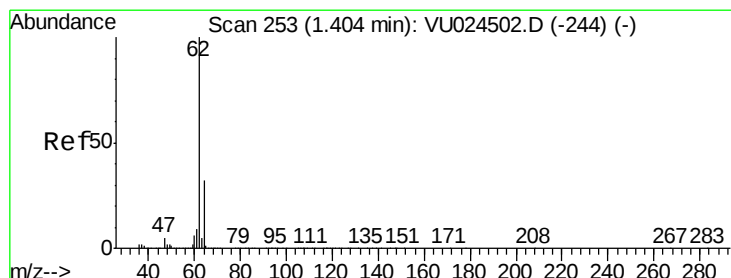
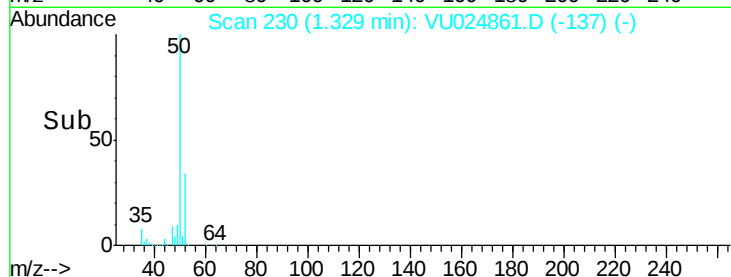
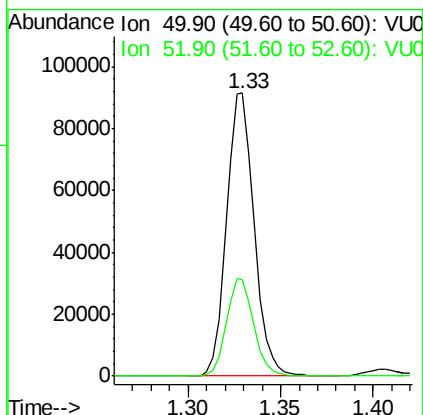
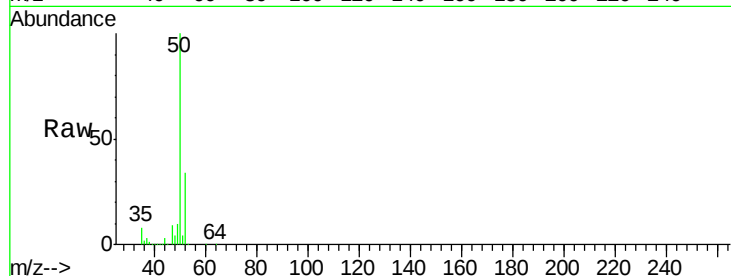




#3
Chloromethane
Concen: 42.07 ug/l
RT: 1.33 min Scan# 230
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

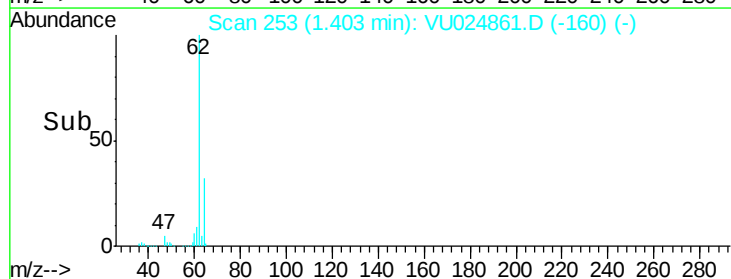
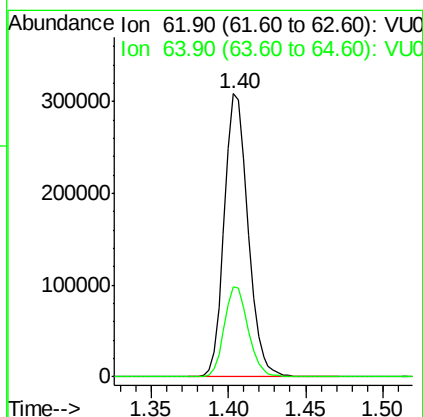
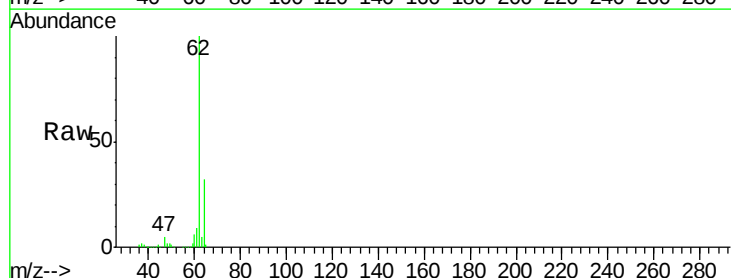
Instrument :
MSVOA_U
ClientSampleId :

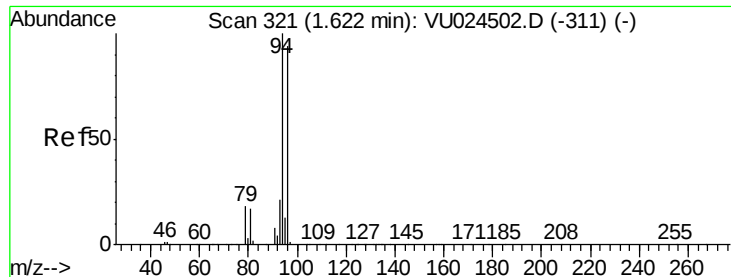
Tot Ion: 50 Resp: 94223
Ion Ratio Lower Upper
50 100
52 34.1 26.4 39.6



#4
Vinyl Chloride
Concen: 142.28 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 62 Resp: 328660
Ion Ratio Lower Upper
62 100
64 31.8 24.8 37.2





#5

Bromomethane

Concen: 51.64 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

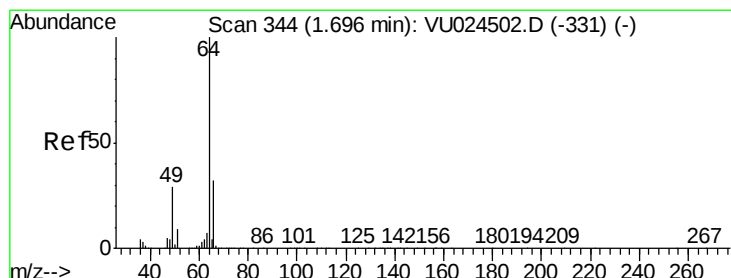
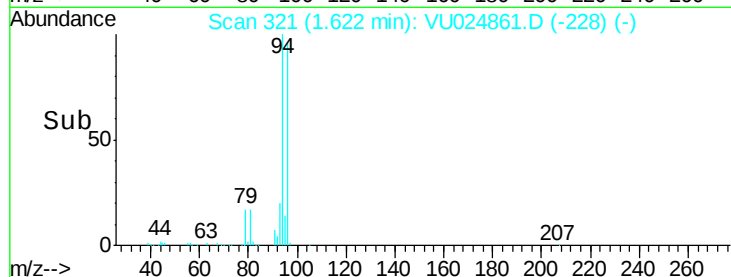
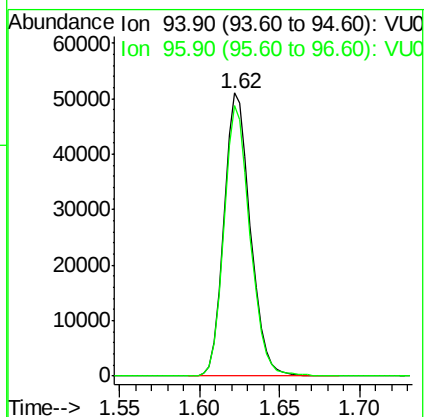
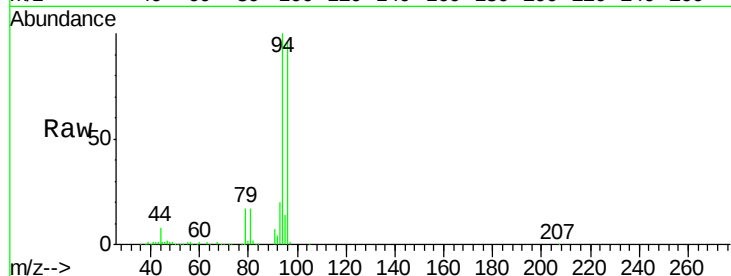
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 57664

Ion Ratio Lower Upper

94 100

96 95.5 74.5 111.7



#6

Chloroethane

Concen: 53.37 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024861.D

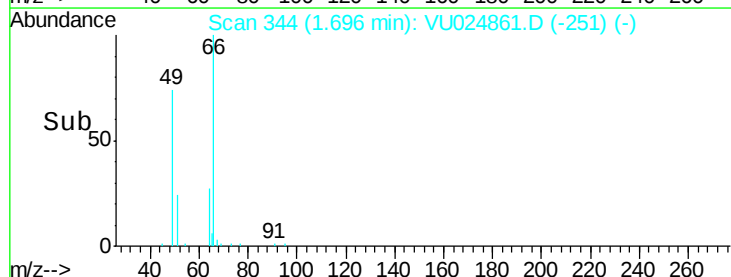
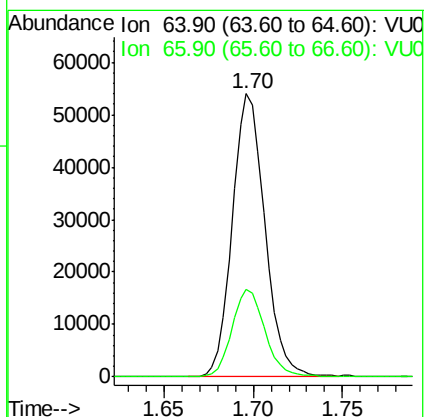
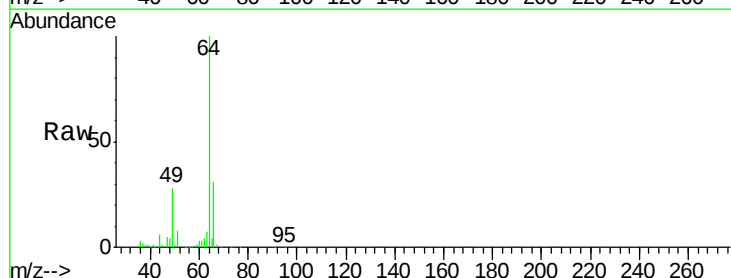
Acq: 23 Jun 2018 03:06

Tgt Ion: 64 Resp: 68800

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

Trichlorofluoromethane

Concen: 47.91 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

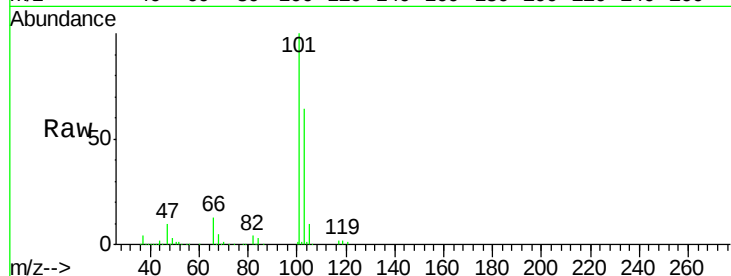
ClientSampleId :

Tot Ion:101 Resp: 168876

Ion Ratio Lower Upper

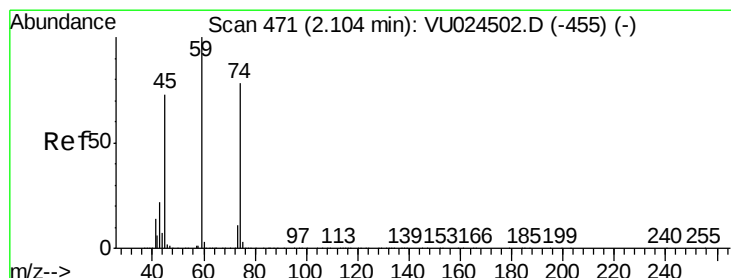
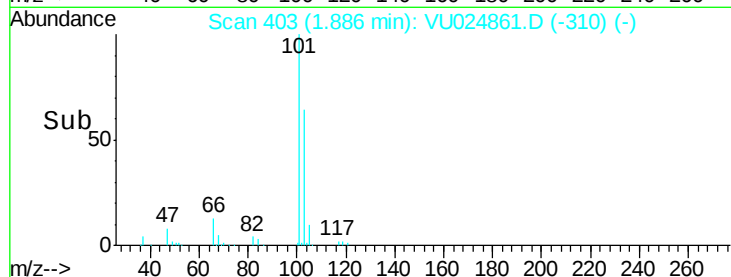
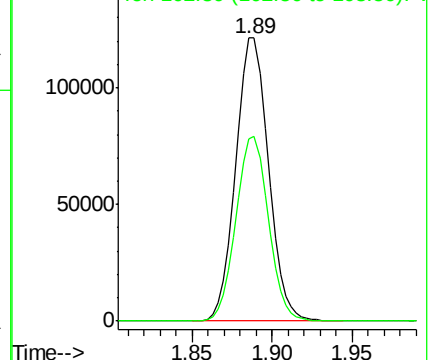
101 100

103 64.4 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 52.67 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024861.D

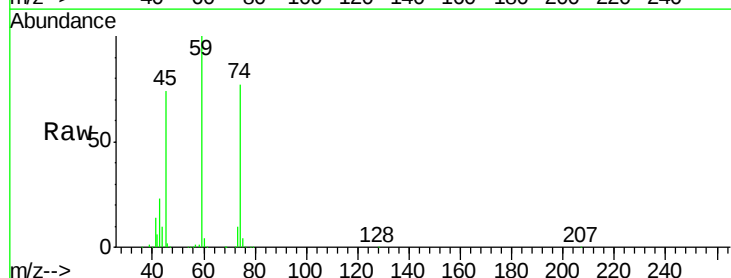
Acq: 23 Jun 2018 03:06

Tgt Ion: 74 Resp: 63061

Ion Ratio Lower Upper

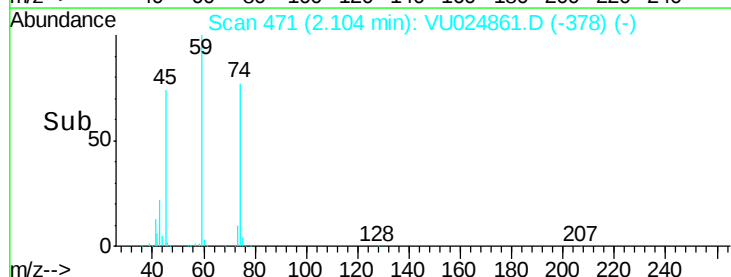
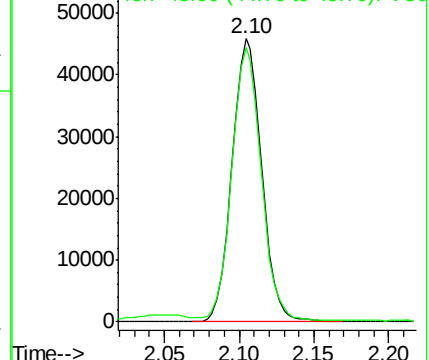
74 100

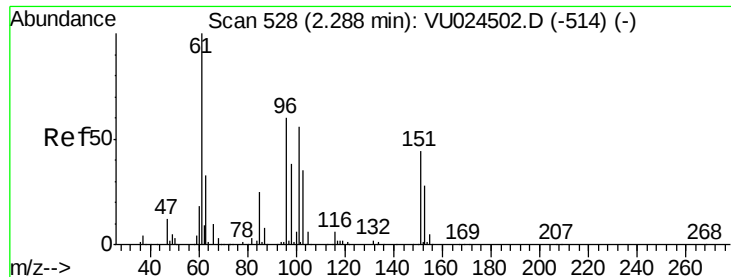
45 95.9 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.31 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

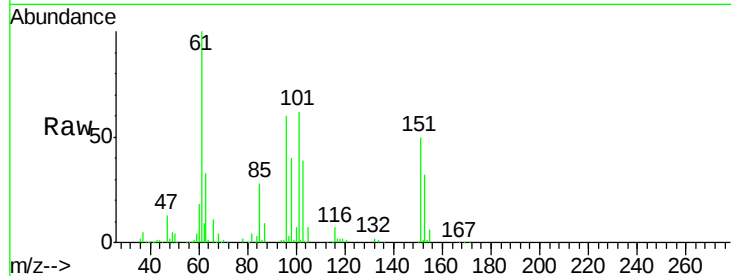
Tot Ion:101 Resp: 94718

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

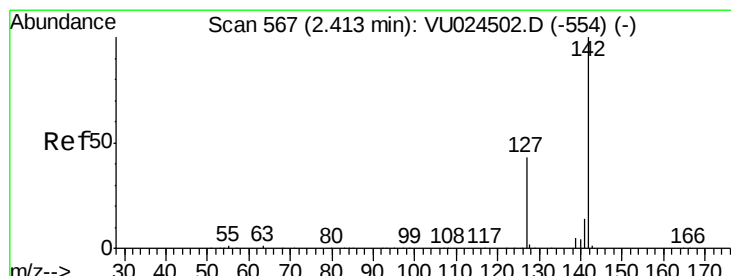
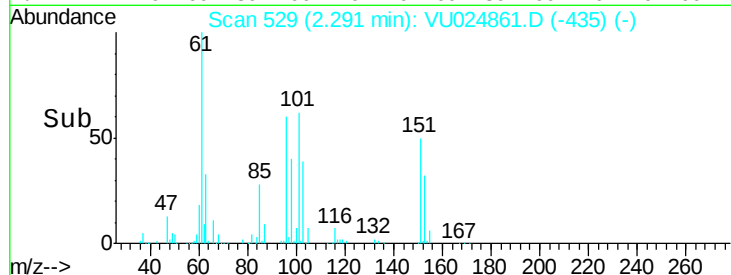
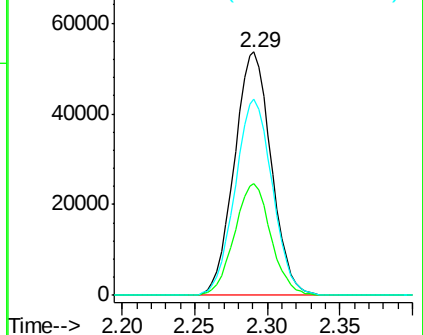
151 81.8 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.65 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

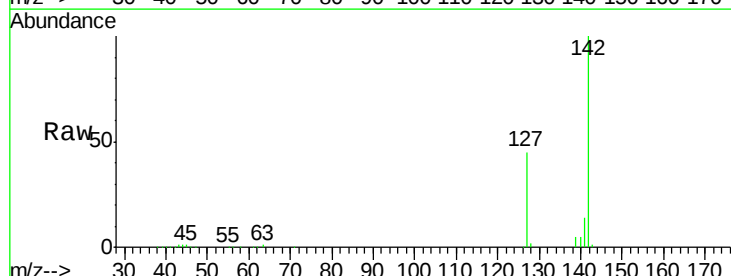
Tgt Ion:142 Resp: 102164

Ion Ratio Lower Upper

142 100

127 44.6 35.6 53.4

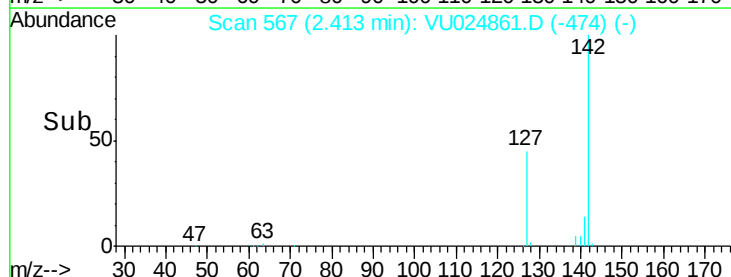
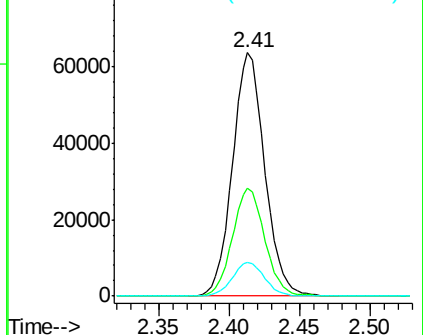
141 13.8 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



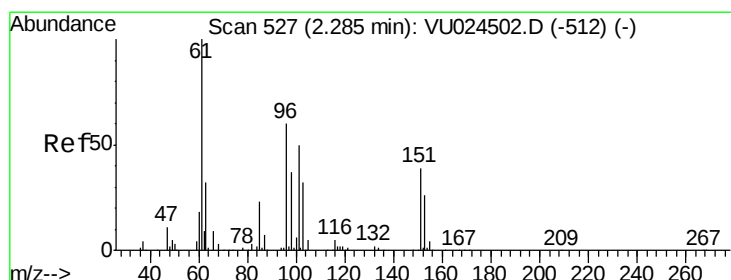
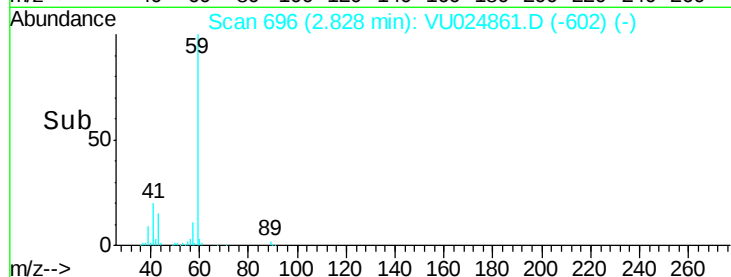
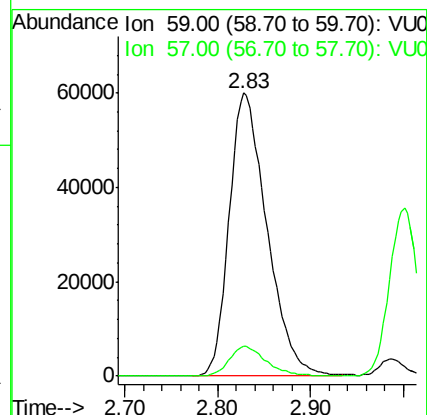
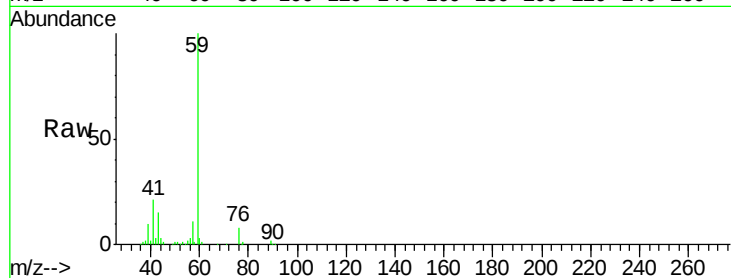


#11

Tert butyl alcohol
Concen: 243.56 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :

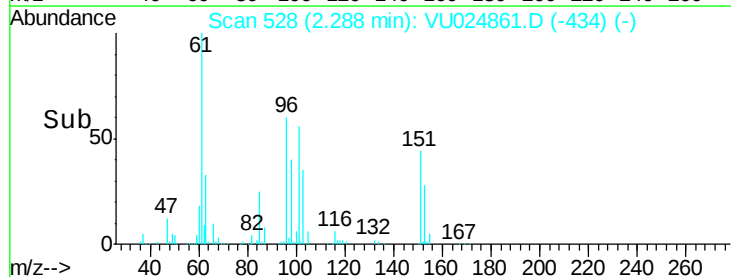
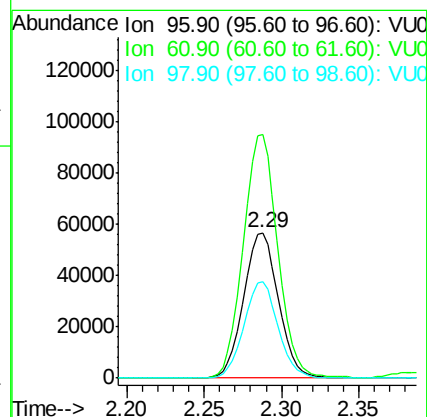
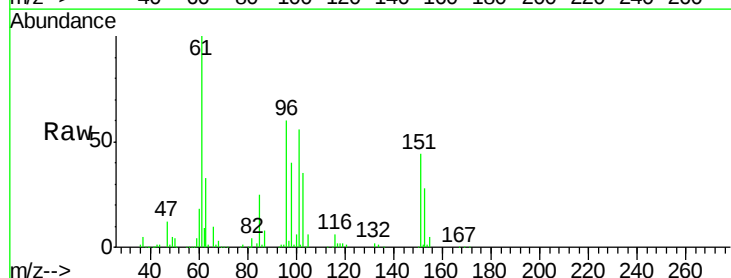
Tot Ion: 59 Resp: 169383
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

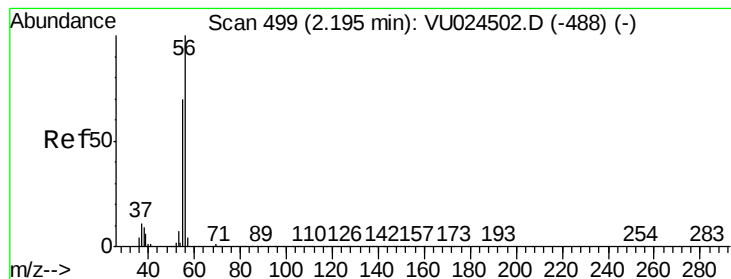


#12

1,1-Dichloroethene
Concen: 44.40 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 96 Resp: 88545
Ion Ratio Lower Upper
96 100
61 167.6 141.7 212.5
98 66.4 51.6 77.4





#13

Acrolein

Concen: 128.97 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

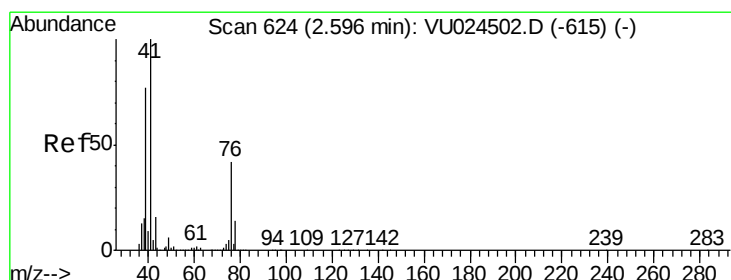
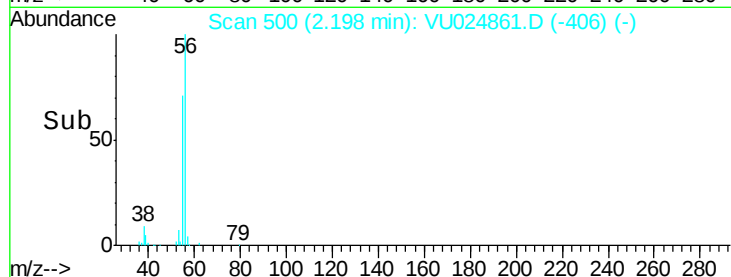
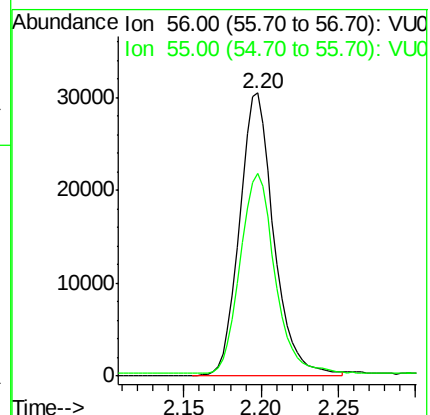
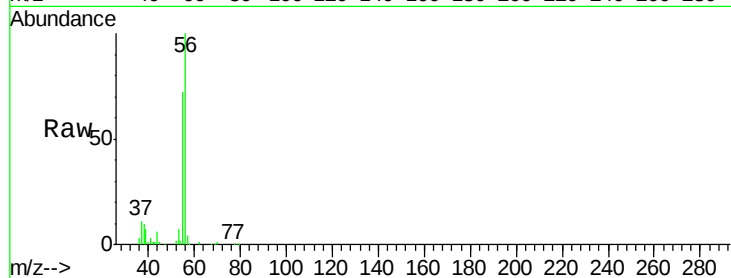
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 47099

Ion Ratio Lower Upper

56 100

55 72.0 58.4 87.6



#14

Allyl chloride

Concen: 44.45 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

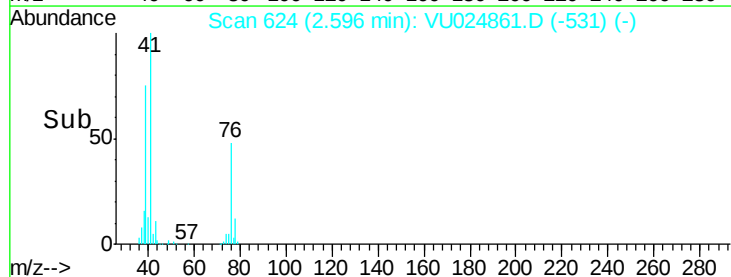
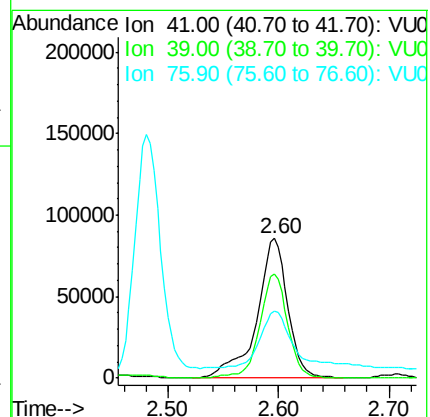
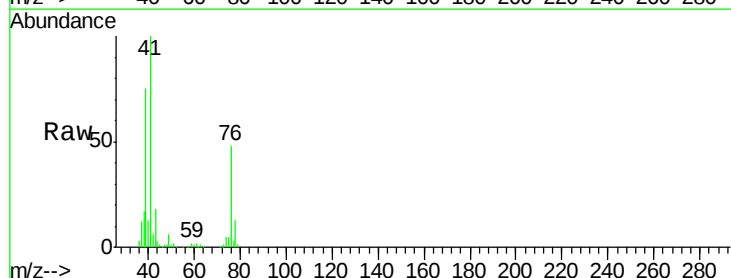
Tgt Ion: 41 Resp: 164594

Ion Ratio Lower Upper

41 100

39 67.2 61.6 92.4

76 55.0 29.7 44.5#

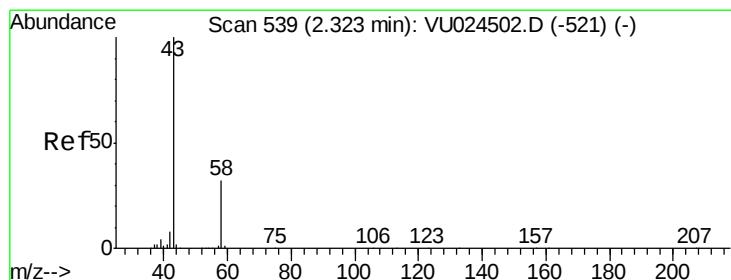
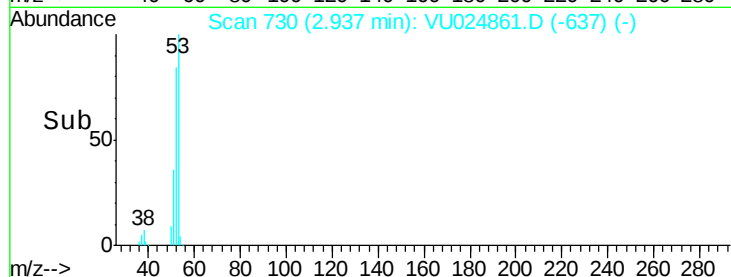
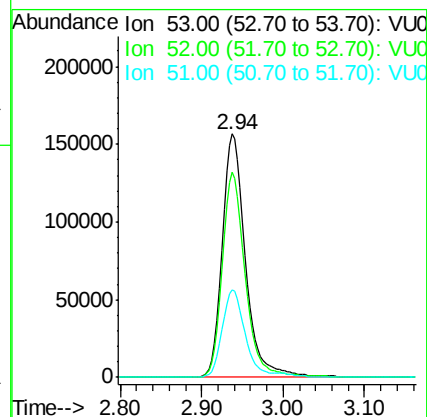
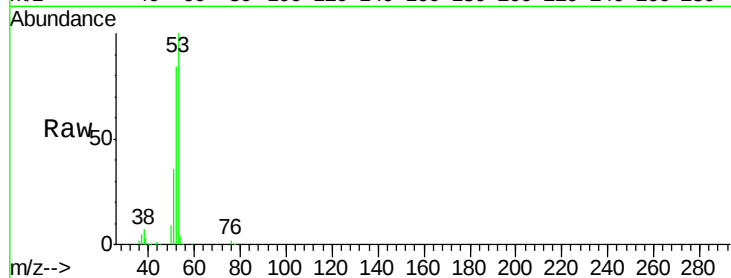




#15
 Acrylonitrile
 Concen: 234.58 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

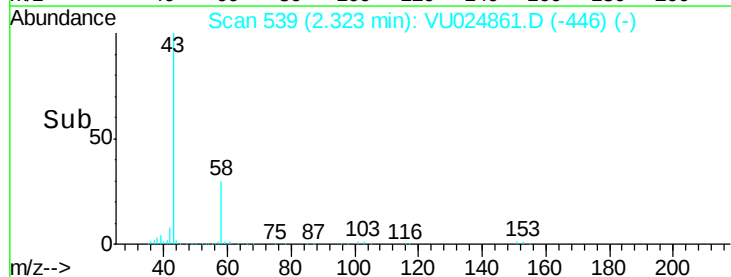
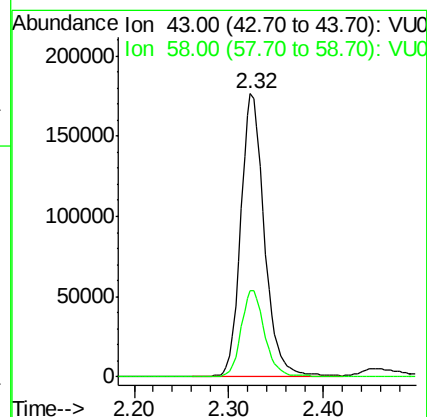
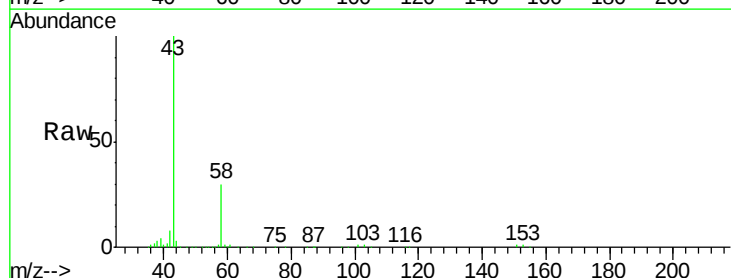
Instrument :
 MSVOA_U
 ClientSampled :

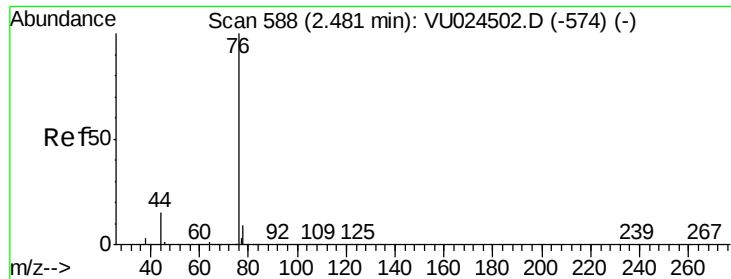
Tot Ion	53	Resp	317407
Ion Ratio	Lower	Upper	
53	100		
52	83.4	67.1	100.7
51	36.5	28.4	42.6



#16
 Acetone
 Concen: 198.86 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	43	Resp	305523
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.4	36.6





#17

Carbon Disulfide

Concen: 39.42 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

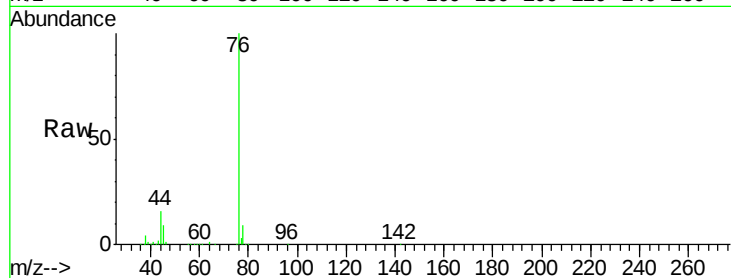
ClientSampleId :

Tot Ion: 76 Resp: 251723

Ion Ratio Lower Upper

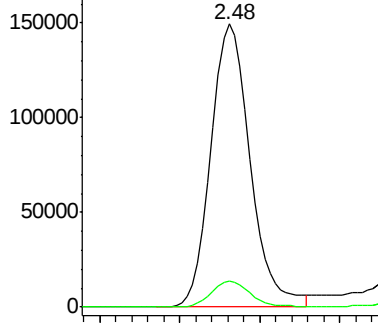
76 100

78 9.3 7.1 10.7

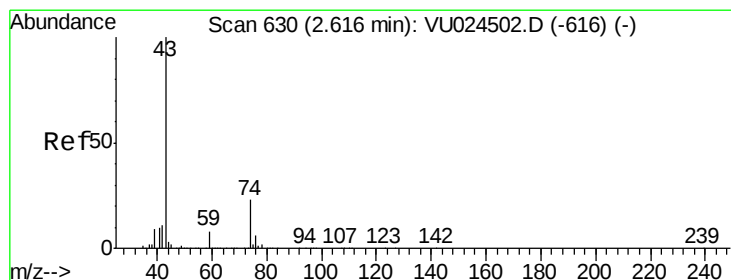
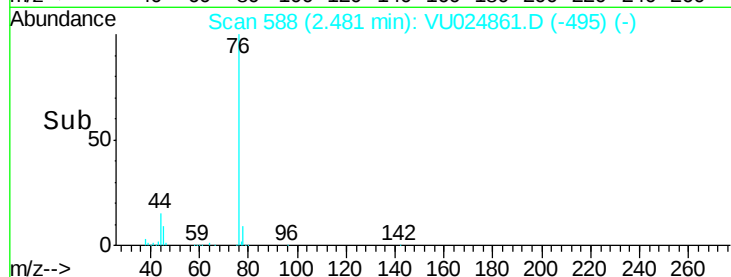


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 50.46 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024861.D

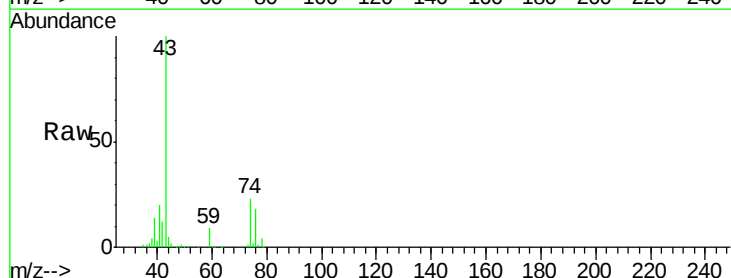
Acq: 23 Jun 2018 03:06

Tgt Ion: 43 Resp: 166216

Ion Ratio Lower Upper

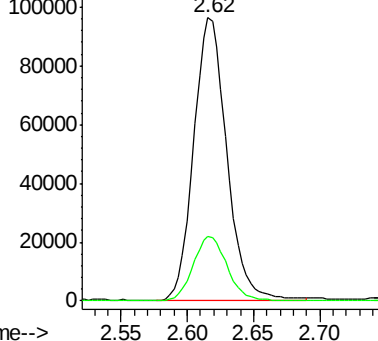
43 100

74 23.5 18.0 27.0

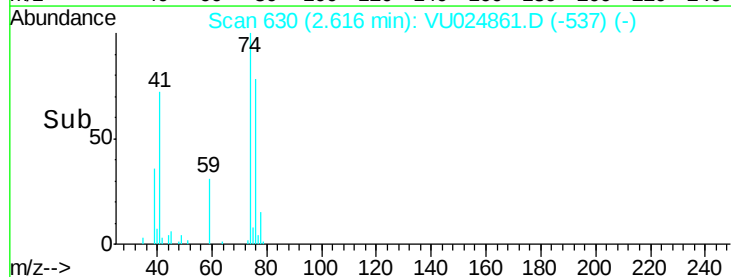


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->



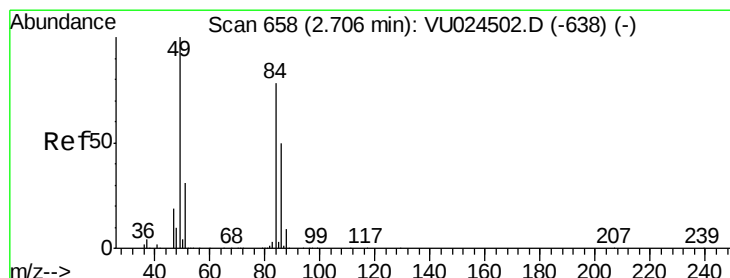
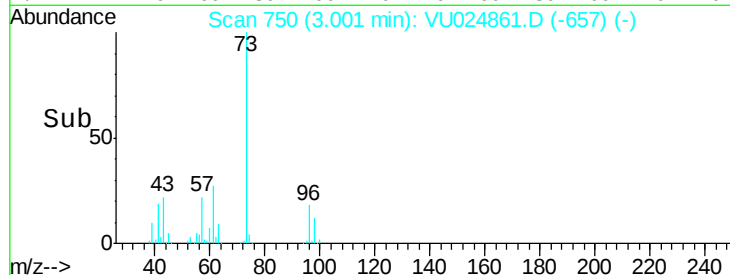
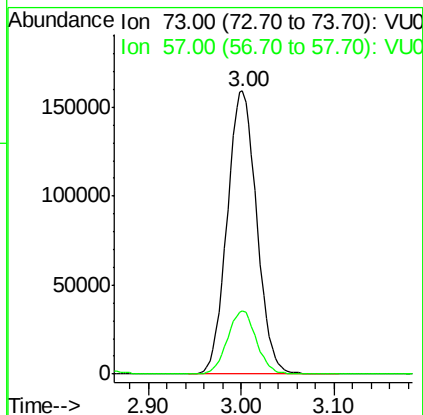
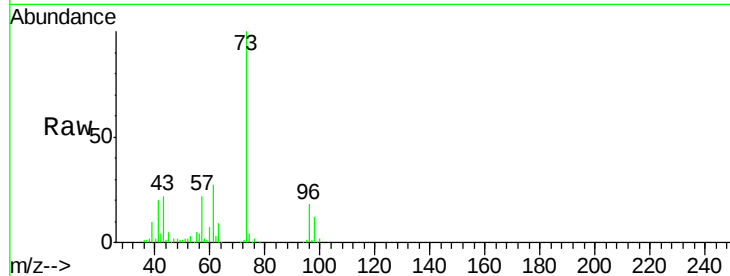


#19

Methyl tert-butyl Ether
 Concen: 46.79 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :

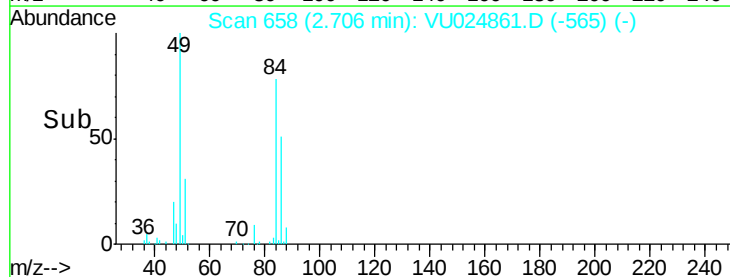
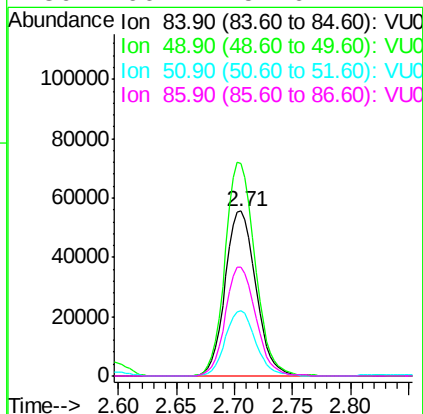
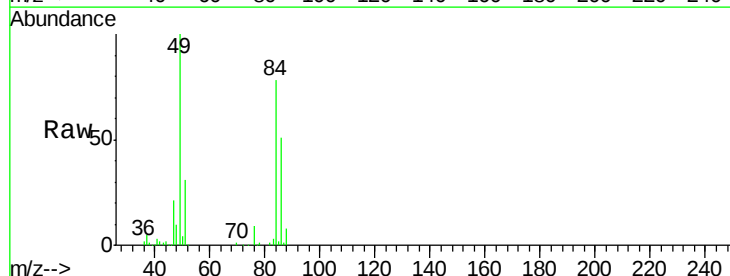
Tot Ion: 73 Resp: 350812
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.8 28.2



#20

Methylene Chloride
 Concen: 42.50 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 84 Resp: 102460
 Ion Ratio Lower Upper
 84 100
 49 128.9 103.8 155.8
 51 39.9 32.0 48.0
 86 66.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 52.68 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

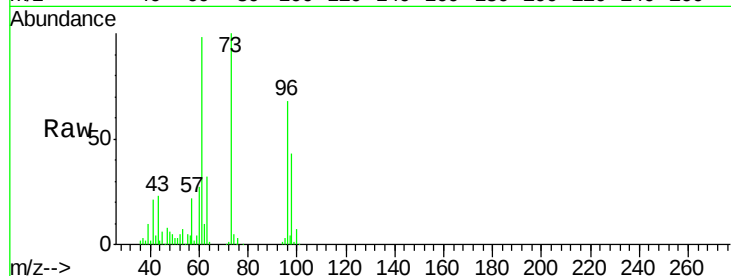
Tot Ion: 96 Resp: 115716

Ion Ratio Lower Upper

96 100

61 144.3 119.4 179.0

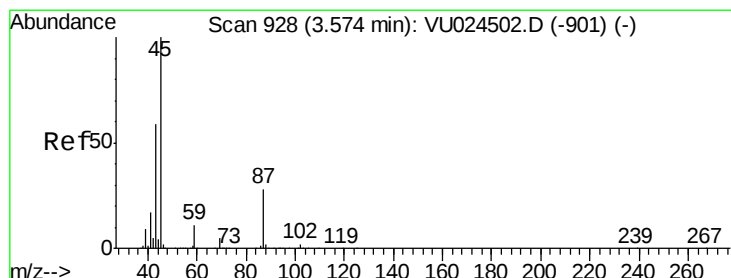
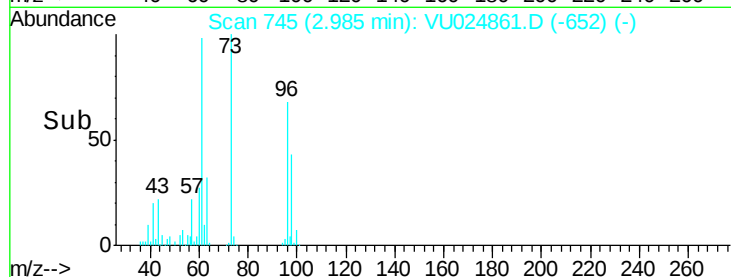
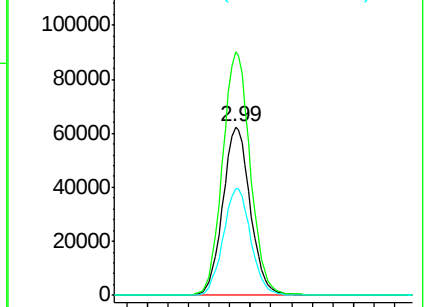
98 63.4 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024861.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024861.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024861.D (-652) (-)



#22

Diisopropyl ether

Concen: 46.84 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion: 45 Resp: 343834

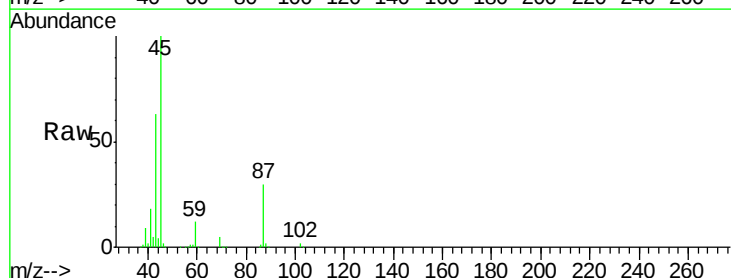
Ion Ratio Lower Upper

45 100

43 62.0 45.8 68.6

87 29.8 20.6 31.0

59 11.7 9.4 14.0

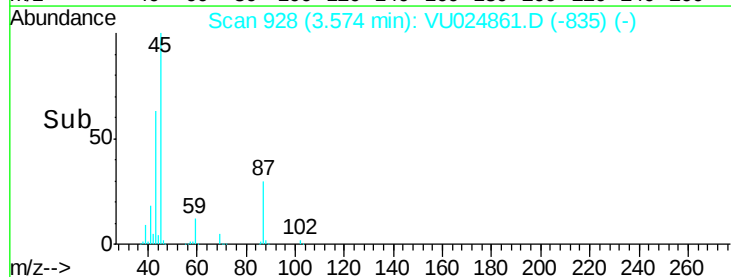
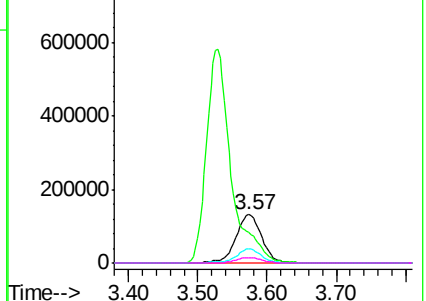


Abundance Ion 45.00 (44.70 to 45.70): VU024861.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU024861.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024861.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024861.D (-835) (-)





#23

Vinyl Acetate

Concen: 217.47 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

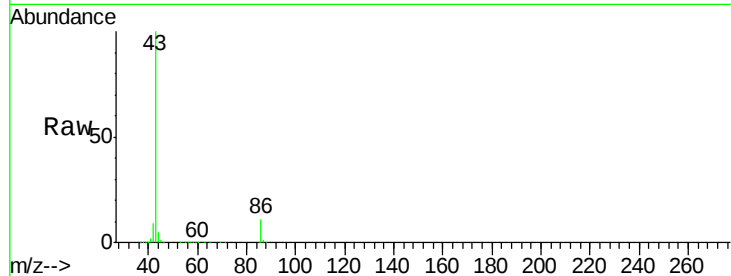
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1430079

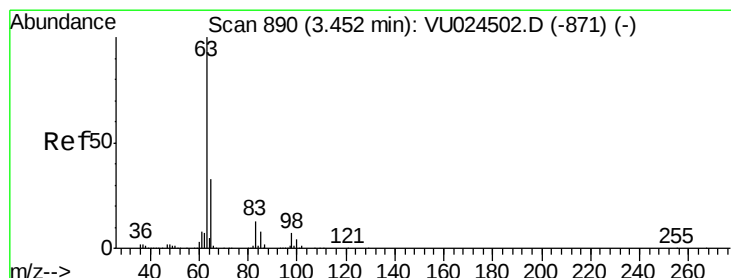
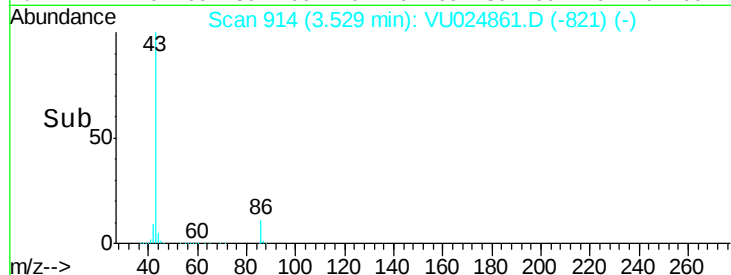
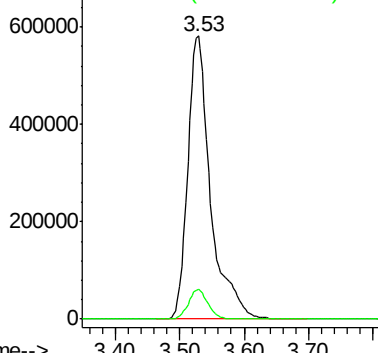
Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 46.28 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

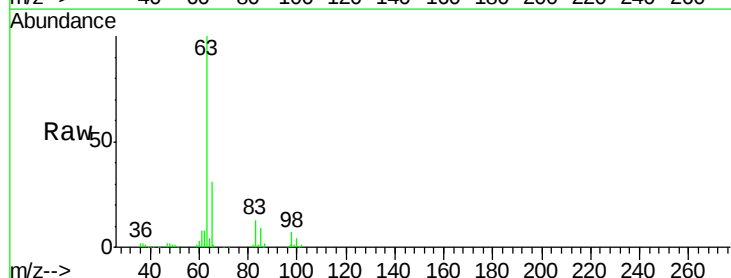
Tgt Ion: 63 Resp: 195418

Ion Ratio Lower Upper

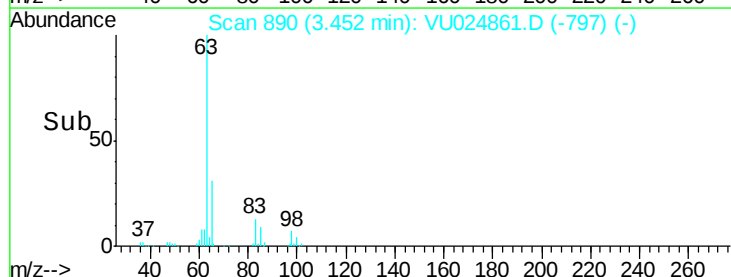
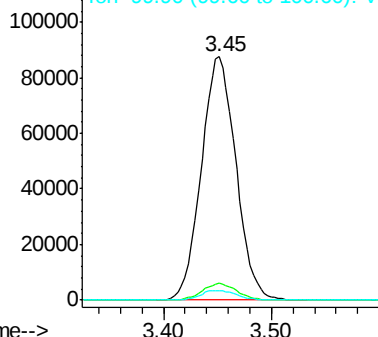
63 100

98 6.8 3.5 10.4

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 233.72 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

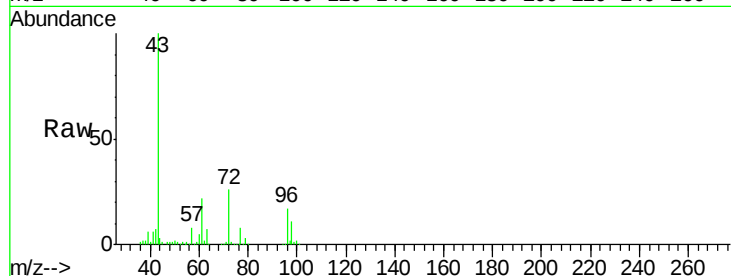
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 482333

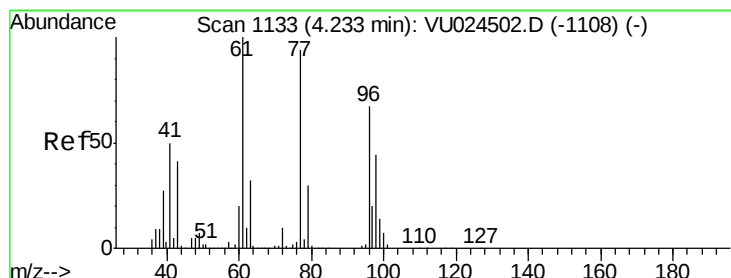
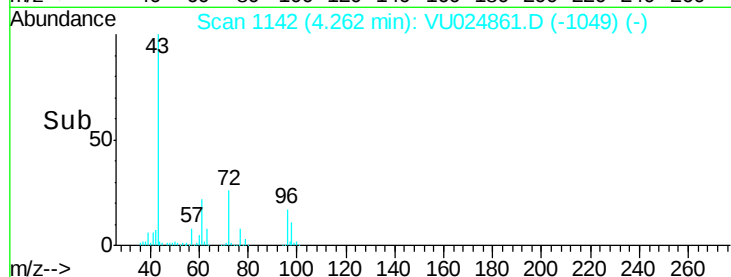
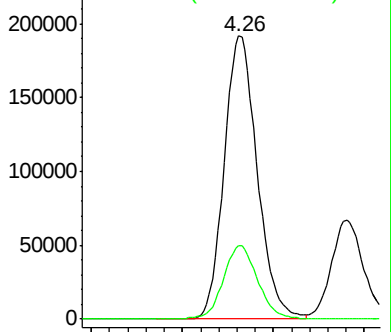
Ion Ratio Lower Upper

43 100

72 26.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1121) (-)



#26

2,2-Dichloropropane

Concen: 38.05 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024861.D

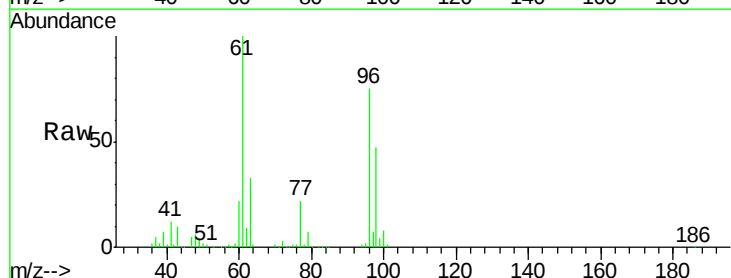
Acq: 23 Jun 2018 03:06

Tgt Ion: 77 Resp: 152565

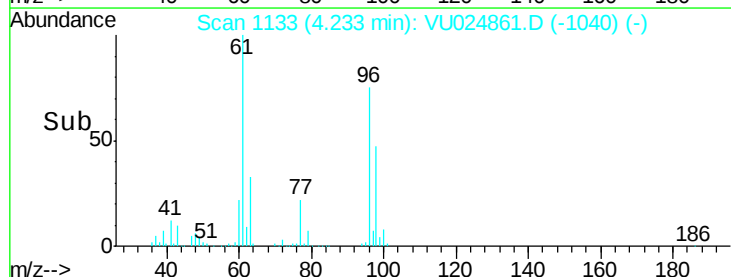
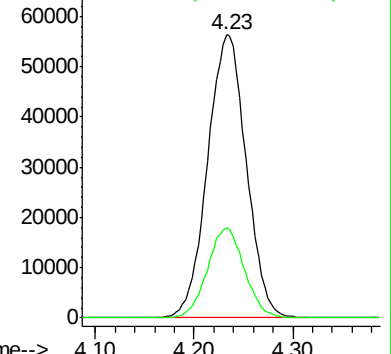
Ion Ratio Lower Upper

77 100

97 30.3 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU024502.D (-1108) (-)





#27

cis-1,2-Dichloroethene

Concen: 186.05 ug/l

RT: 4.23 min Scan# 1133

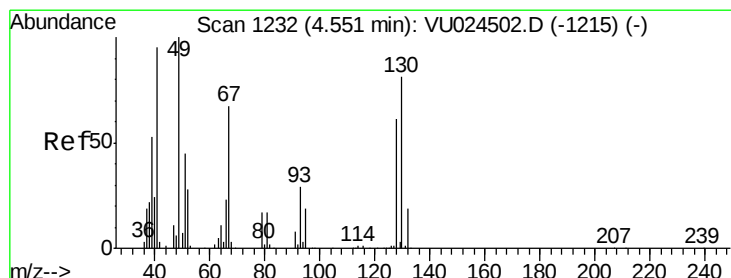
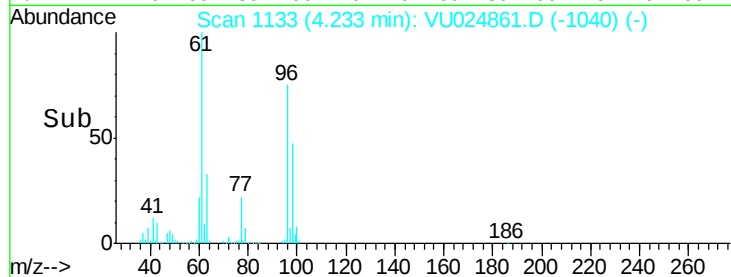
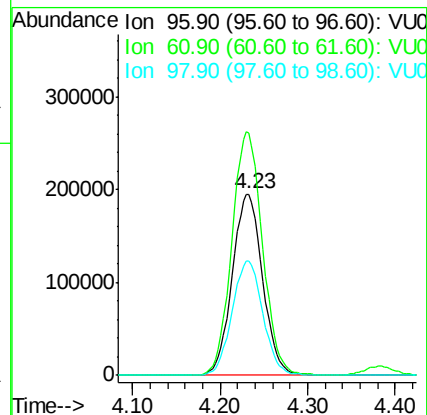
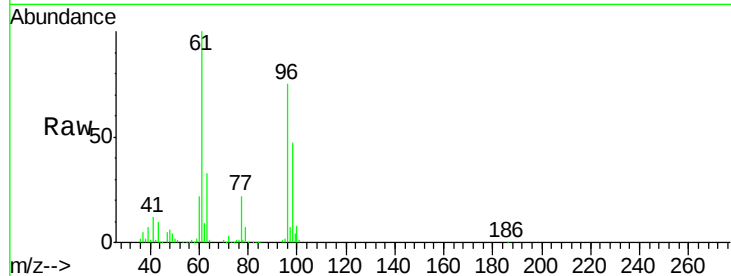
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	96	Resp	469836
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	306.6
98	64.2	0.0	128.8



#28

Bromochloromethane

Concen: 46.47 ug/l

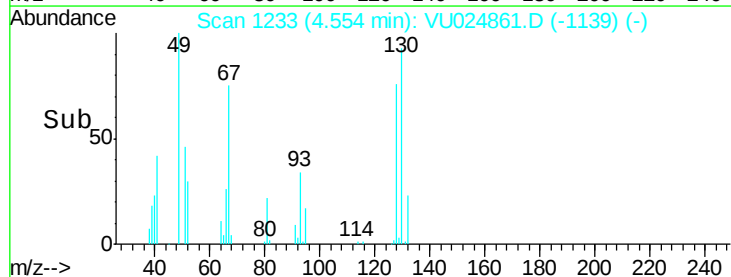
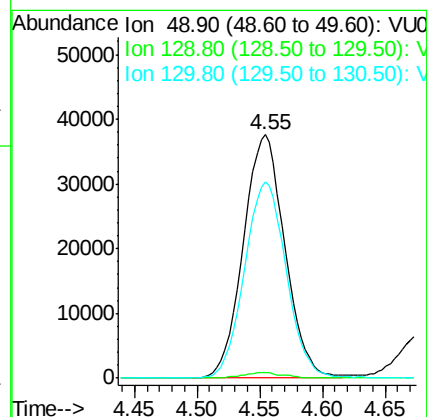
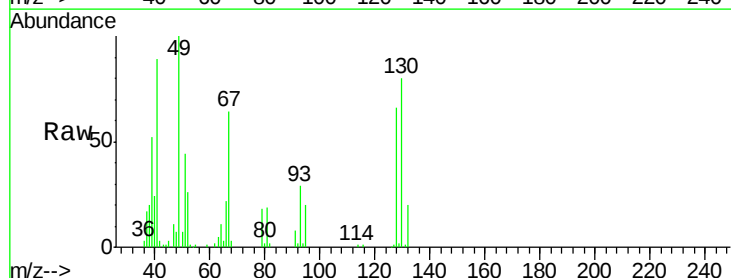
RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion	49	Resp	86430
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.1	57.8	86.6





#29

Tetrahydrofuran

Concen: 239.49 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :

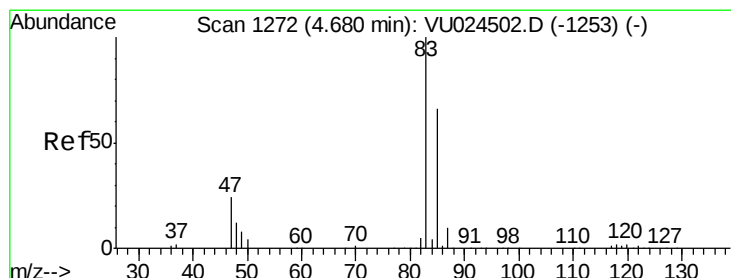
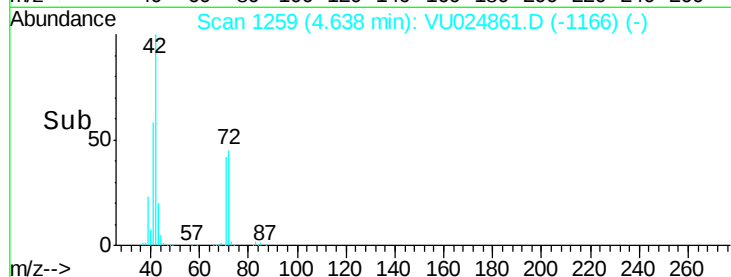
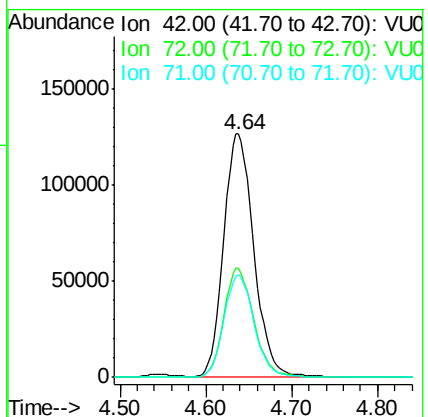
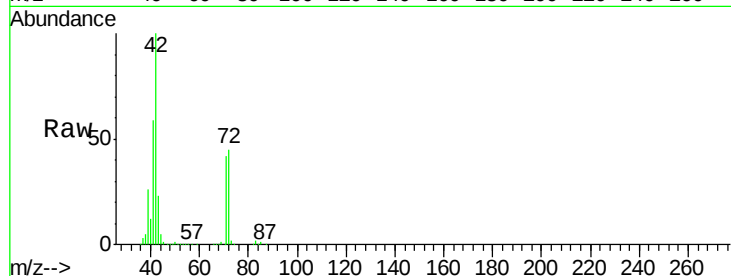
Tot Ion: 42 Resp: 306070

Ion Ratio Lower Upper

42 100

72 45.0 34.5 51.7

71 42.2 32.2 48.4



#30

Chloroform

Concen: 48.68 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024861.D

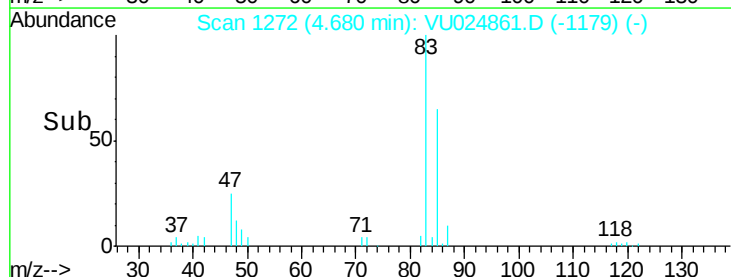
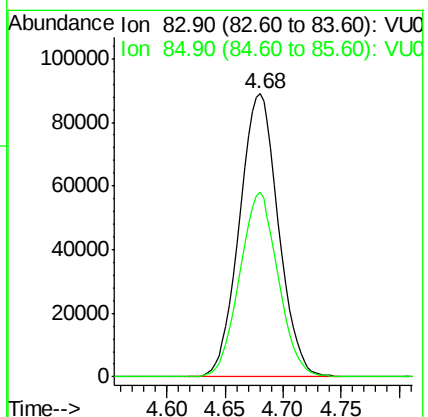
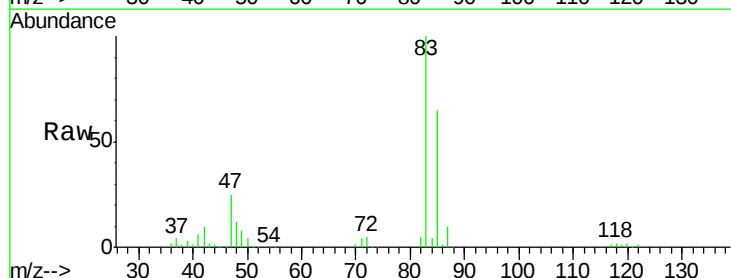
Acq: 23 Jun 2018 03:06

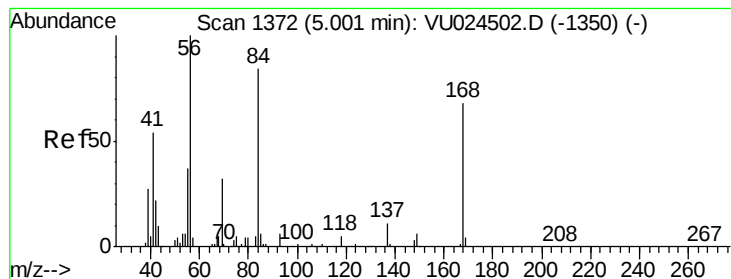
Tgt Ion: 83 Resp: 208071

Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6





#31

Cyclohexane

Concen: 45.99 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :

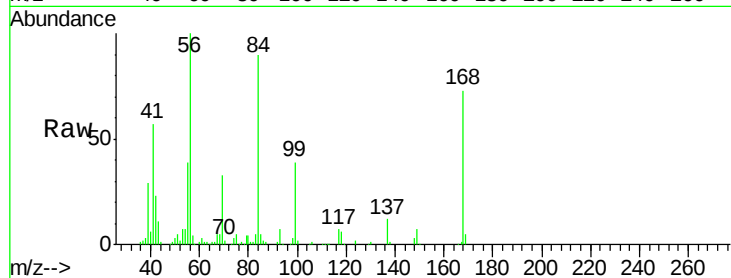
Tot Ion: 56 Resp: 173052

Ion Ratio Lower Upper

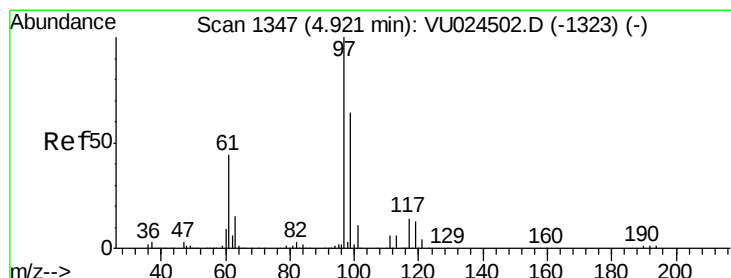
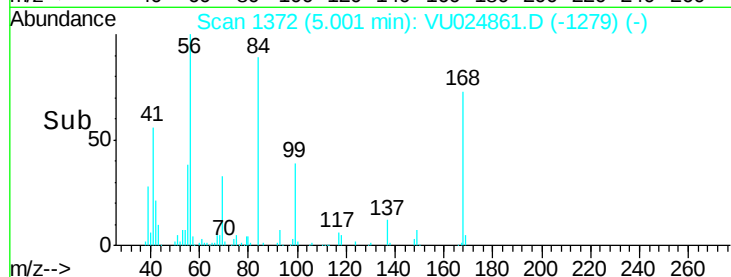
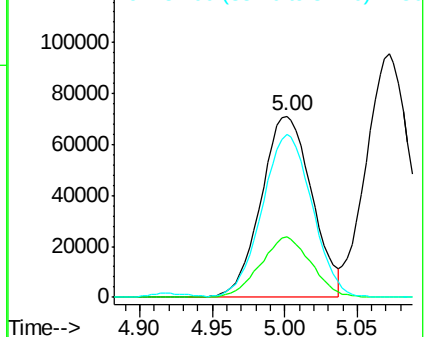
56 100

69 33.3 24.8 37.2

84 89.0 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 47.35 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

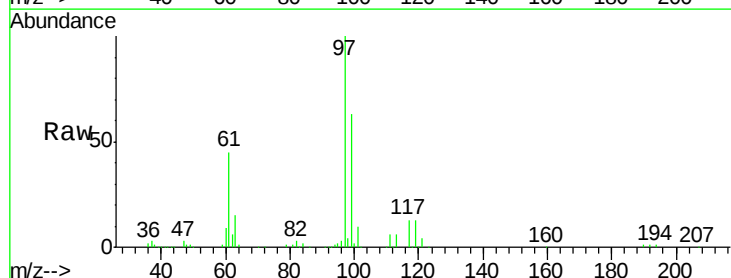
Tgt Ion: 97 Resp: 187138

Ion Ratio Lower Upper

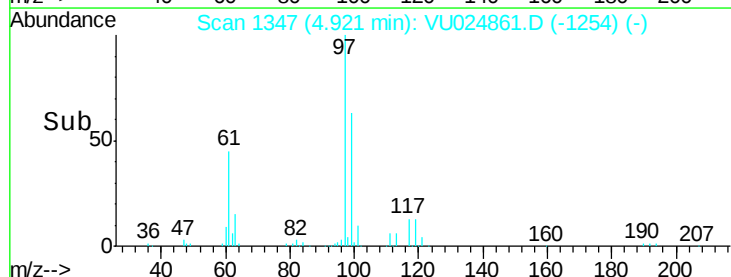
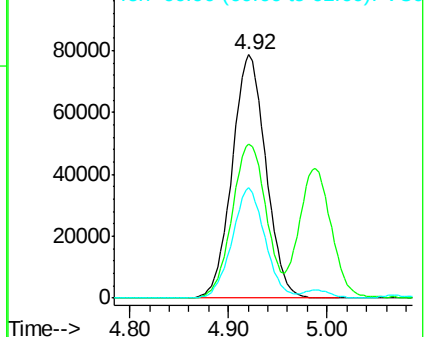
97 100

99 64.4 51.0 76.6

61 44.2 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 43.64 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

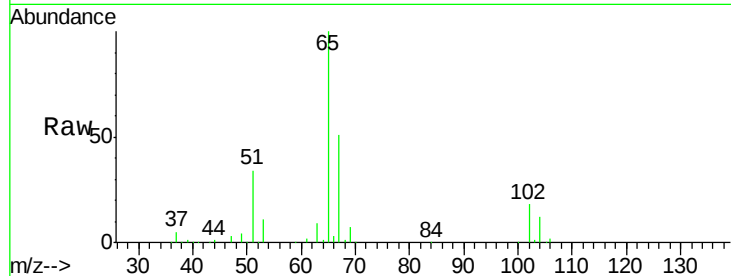
ClientSampleId :

Tot Ion: 65 Resp: 124801

Ion Ratio Lower Upper

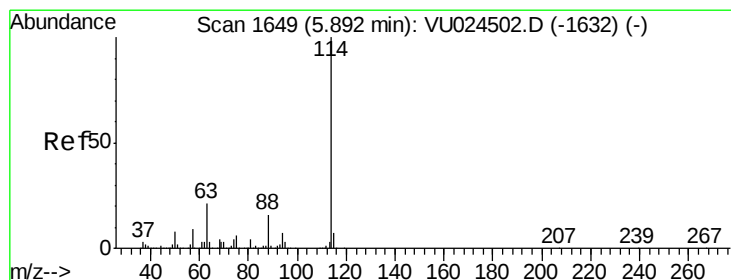
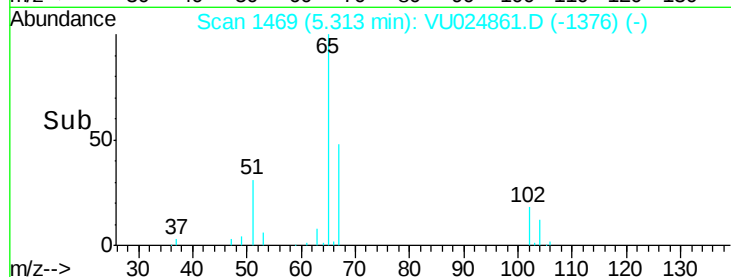
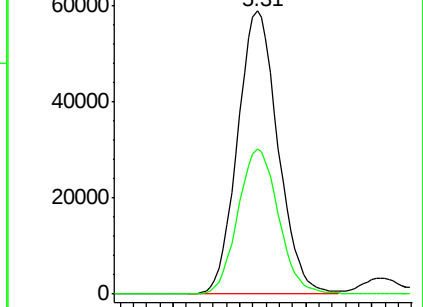
65 100

67 51.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024502.D (-1451) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

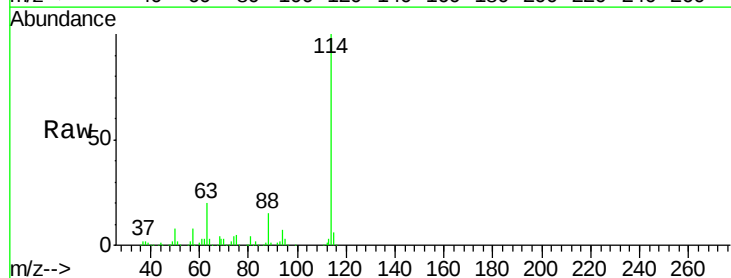
Tgt Ion: 114 Resp: 267126

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.4

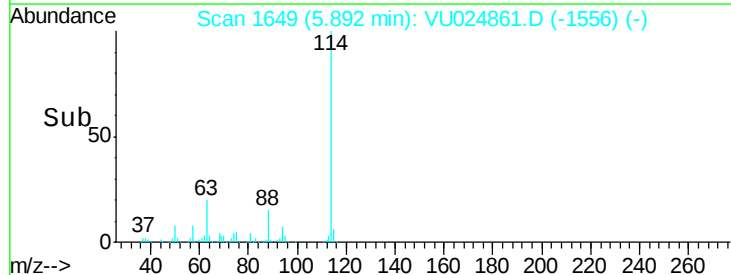
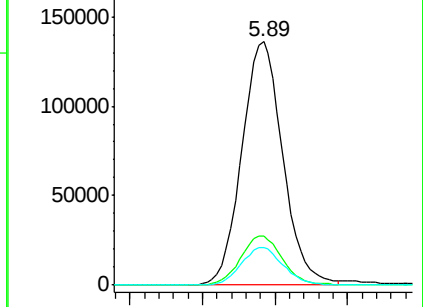
88 15.5 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024502.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU024502.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU024502.D (-1632) (-)

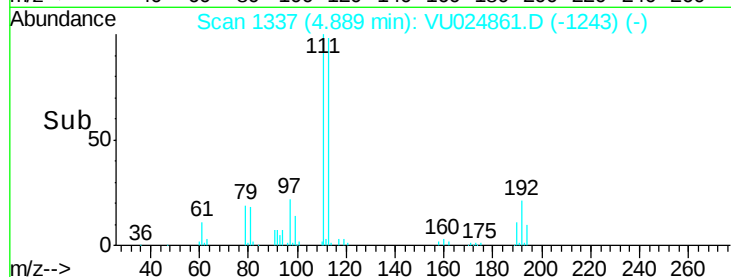
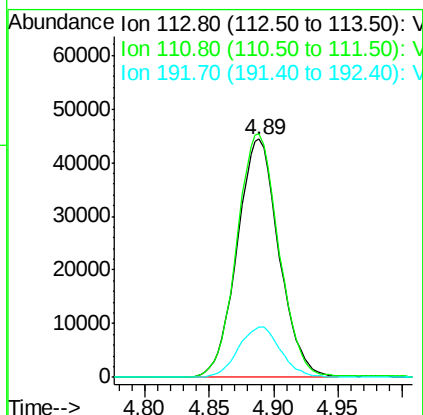
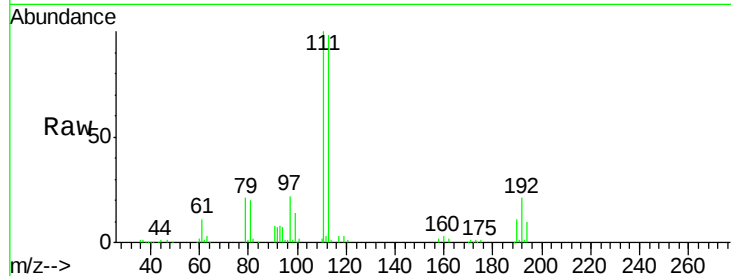




#35
 Dibromofluoromethane
 Concen: 45.24 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

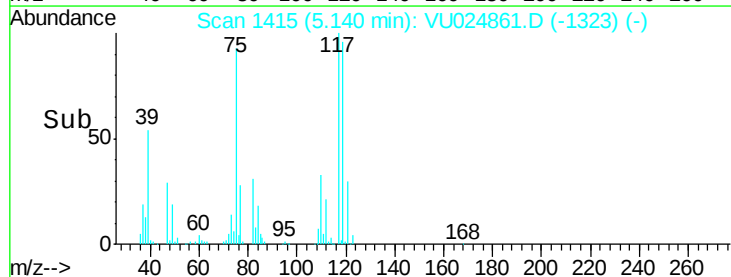
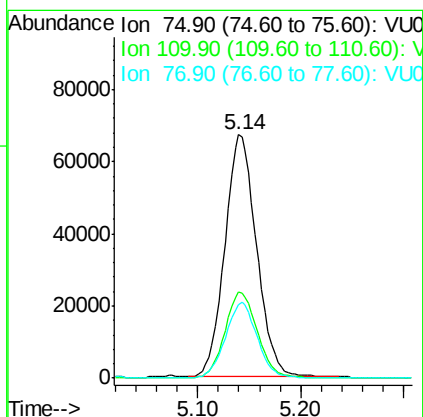
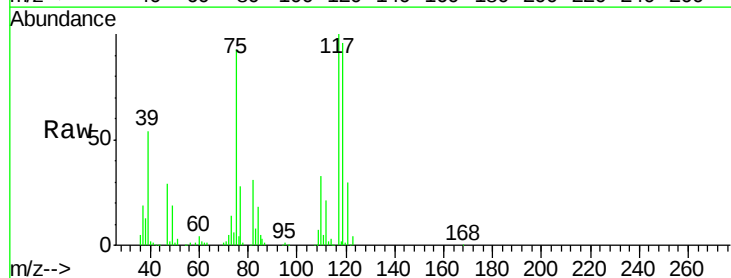
Instrument :
 MSVOA_U
 ClientSampled :

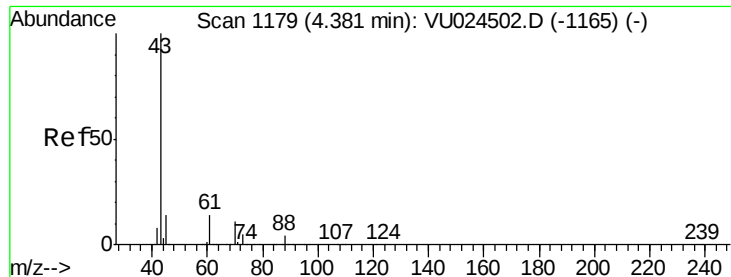
Tot Ion:113 Resp: 100298
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 21.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 45.66 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 75 Resp: 143313
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.0 50.9
 77 30.8 24.2 36.4

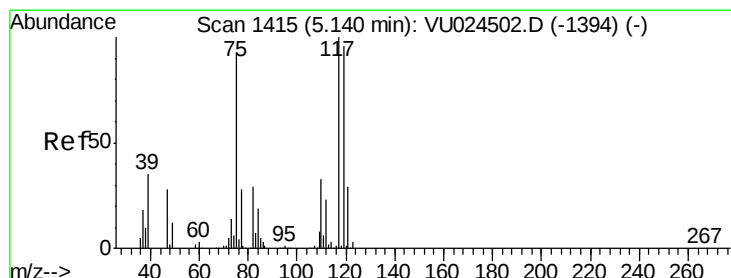
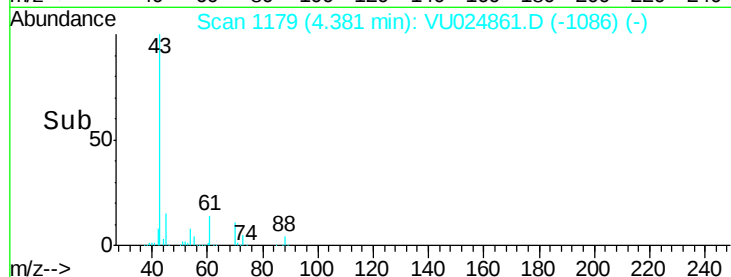
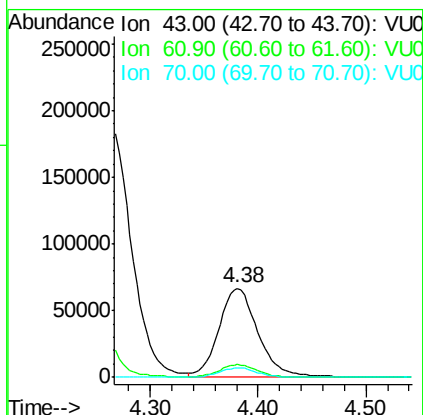
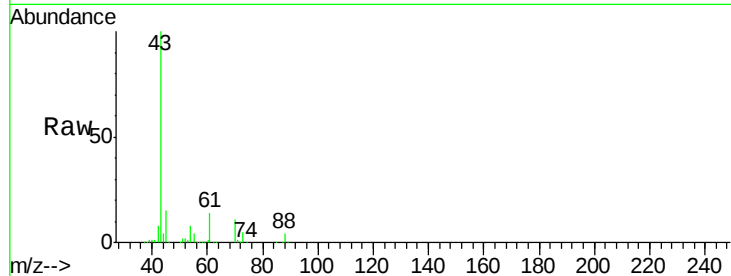




#37
Ethyl Acetate
Concen: 48.27 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

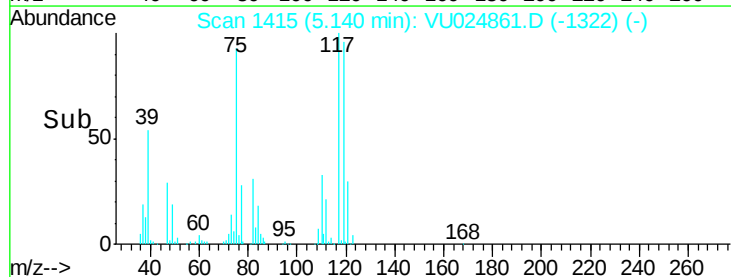
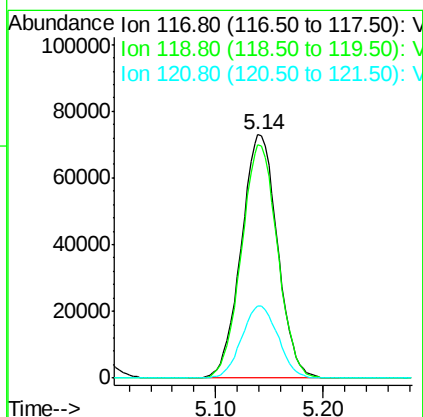
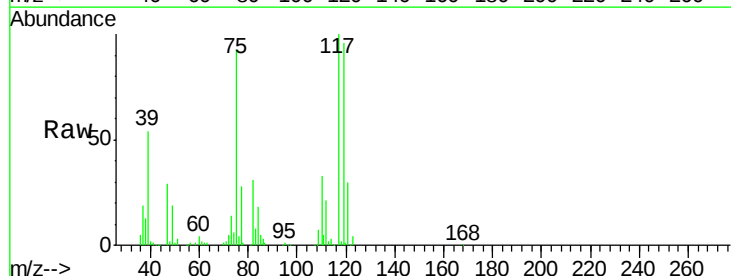
Instrument :
MSVOA_U
ClientSampled :

Tot Ion	43	Resp	165158
Ion Ratio	Lower	Upper	
43	100		
61	13.5	10.5	15.7
70	10.8	7.4	11.2



#38
Carbon Tetrachloride
Concen: 49.33 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	117	Resp	170276
Ion Ratio	Lower	Upper	
117	100		
119	95.8	76.1	114.1
121	29.7	23.7	35.5

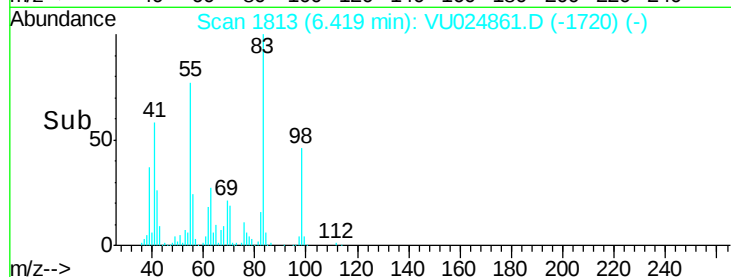
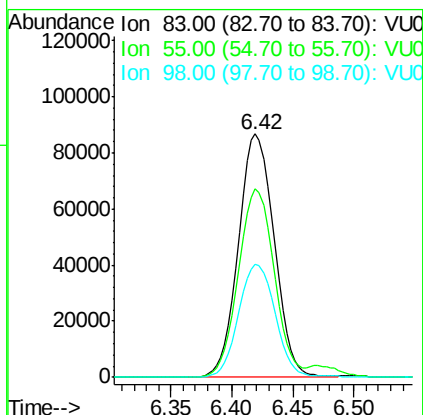
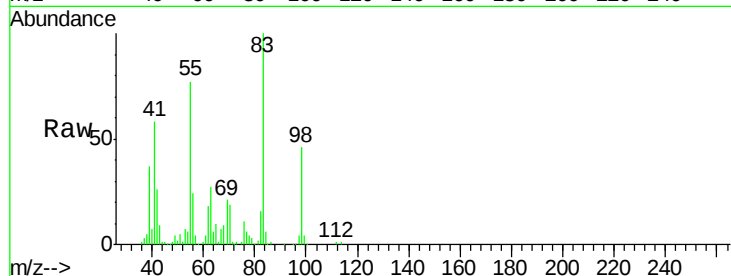




#39
Methvlcvclohexane
Concen: 45.08 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

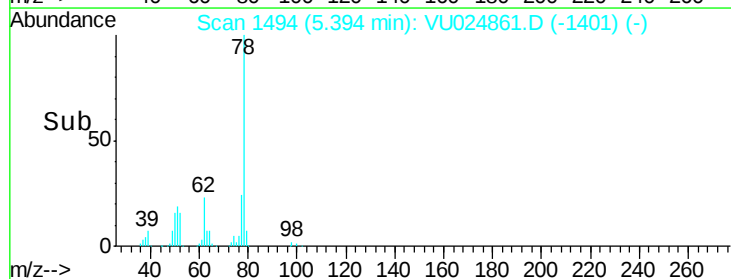
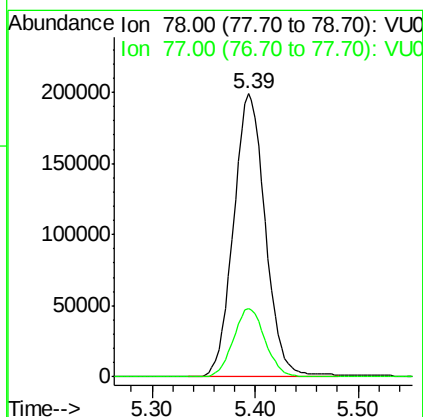
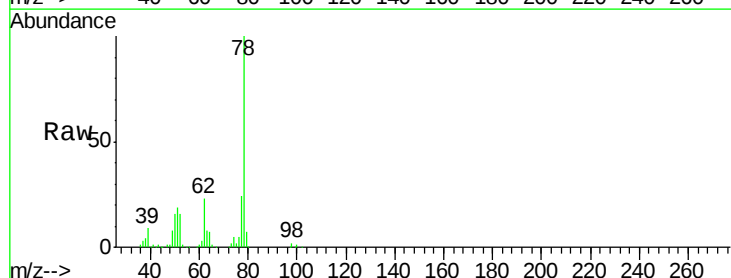
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 176581
Ion Ratio Lower Upper
83 100
55 77.2 65.8 98.6
98 46.3 36.7 55.1



#40
Benzene
Concen: 47.83 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 78 Resp: 427793
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

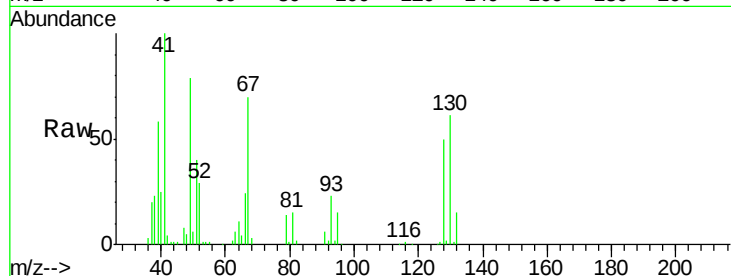




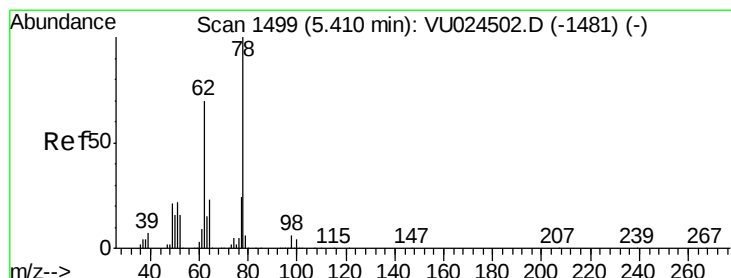
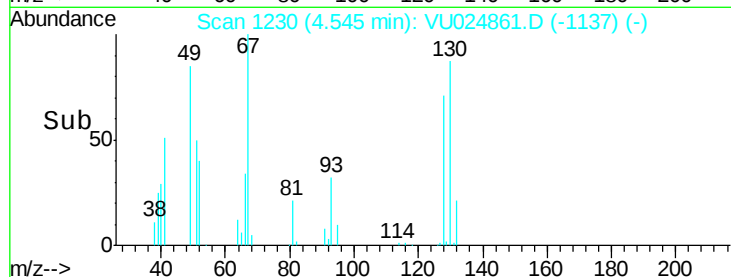
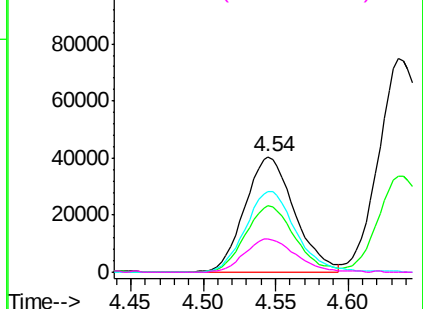
#41
Methacrylonitrile
Concen: 51.96 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 95842
Ion Ratio Lower Upper
41 100
39 57.2 43.8 65.6
67 72.2 56.3 84.5
52 29.3 23.2 34.8

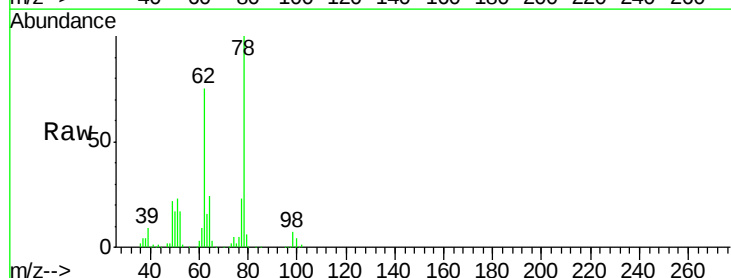


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

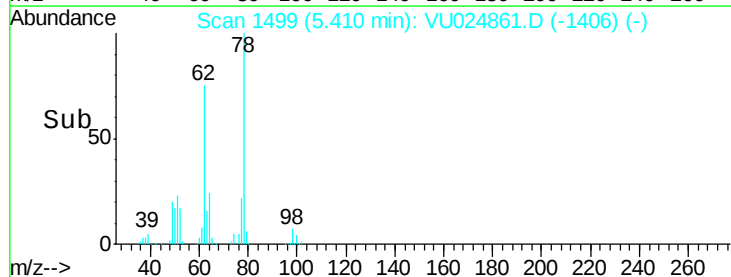
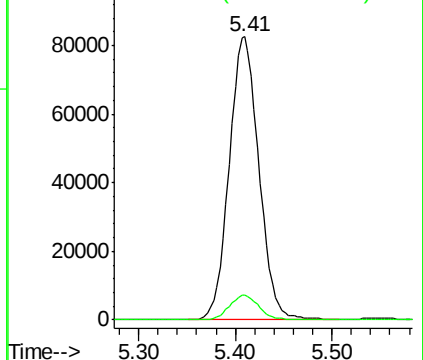


#42
1,2-Dichloroethane
Concen: 51.53 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 62 Resp: 175531
Ion Ratio Lower Upper
62 100
98 8.6 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: 46.69 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

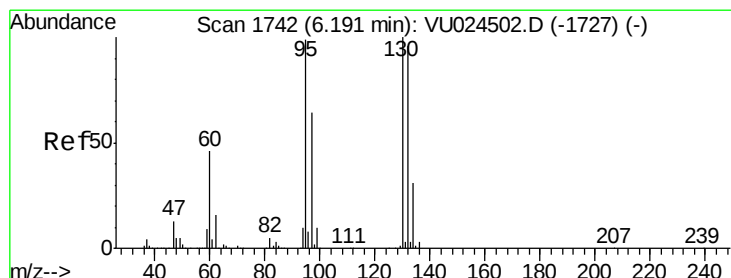
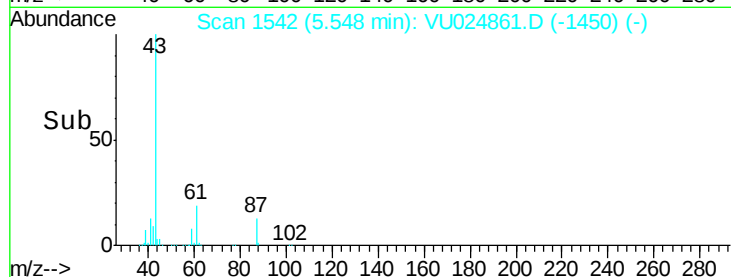
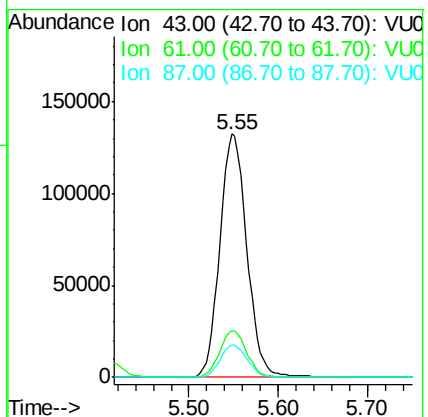
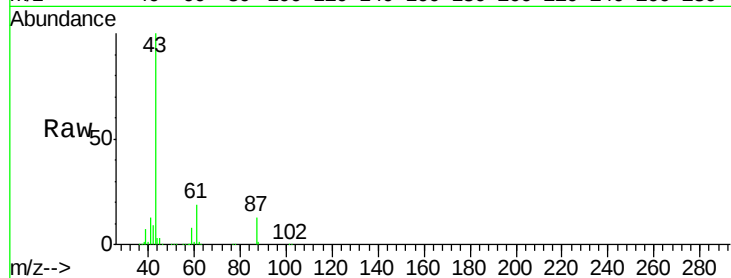
Tot Ion: 43 Resp: 276124

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.0

87 13.3 10.0 15.0



#44

Trichloroethene

Concen: 65.25 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024861.D

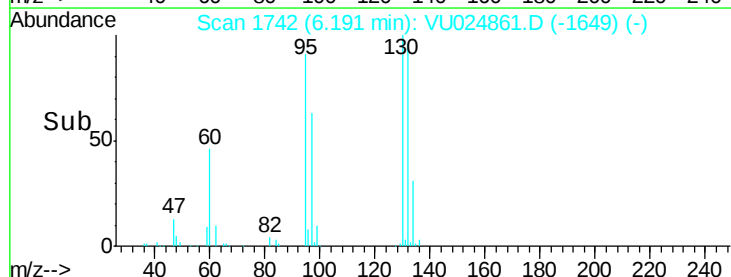
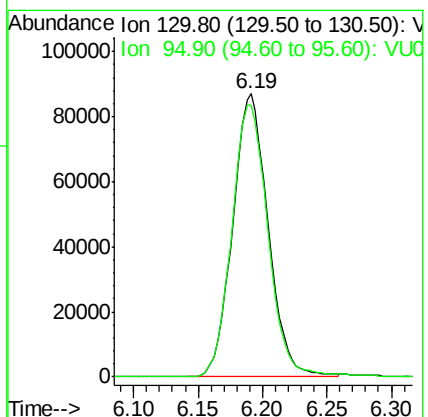
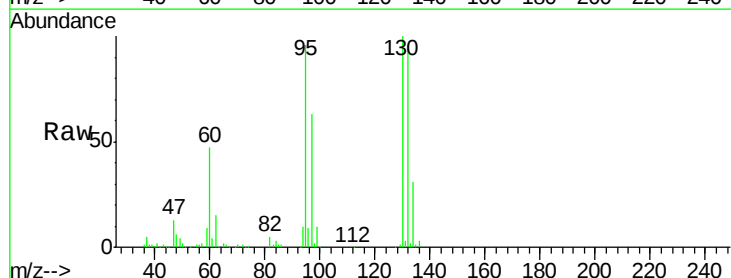
Acq: 23 Jun 2018 03:06

Tgt Ion:130 Resp: 166098

Ion Ratio Lower Upper

130 100

95 95.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 49.31 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

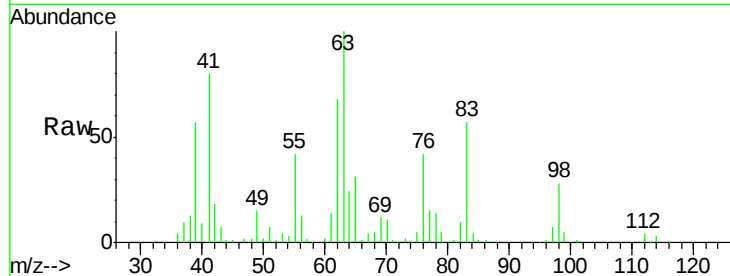
ClientSampleId :

Tot Ion: 63 Resp: 117677

Ion Ratio Lower Upper

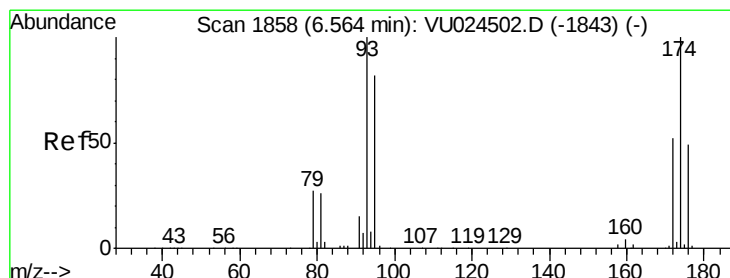
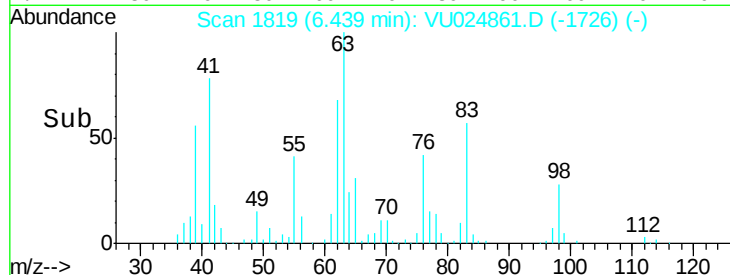
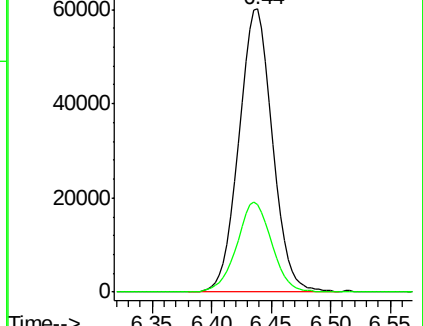
63 100

65 30.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU024861.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024861.D (-1726) (-)



#46

Dibromomethane

Concen: 50.52 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

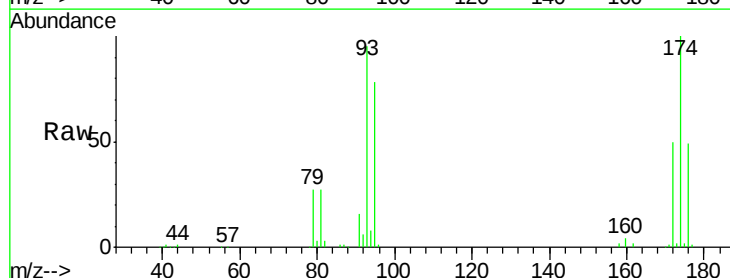
Tgt Ion: 93 Resp: 84687

Ion Ratio Lower Upper

93 100

95 81.3 65.5 98.3

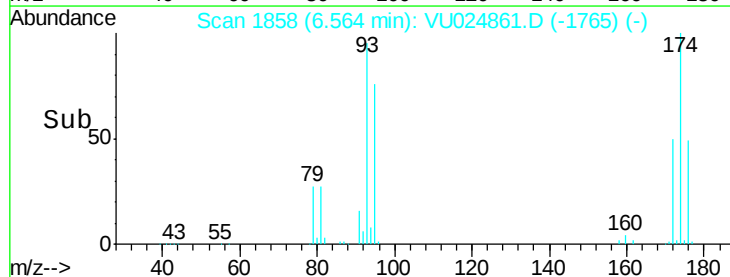
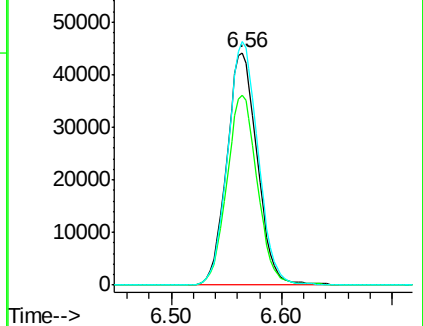
174 104.4 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU024861.D (-1765) (-)

Ion 94.80 (94.50 to 95.50): VU024861.D (-1765) (-)

Ion 173.70 (173.40 to 174.40): VU024861.D (-1765) (-)





#47

Bromodichloromethane

Concen: 48.68 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampled :

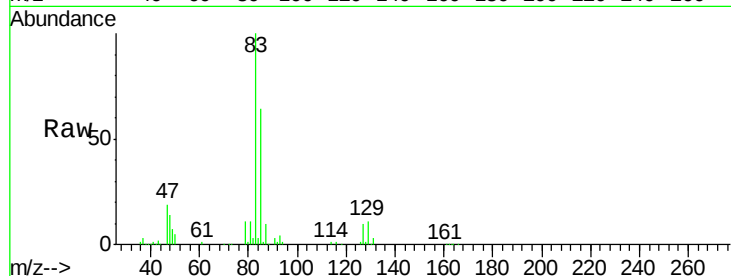
Tot Ion: 83 Resp: 162483

Ion Ratio Lower Upper

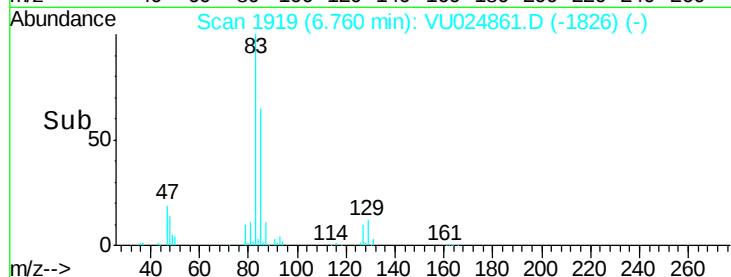
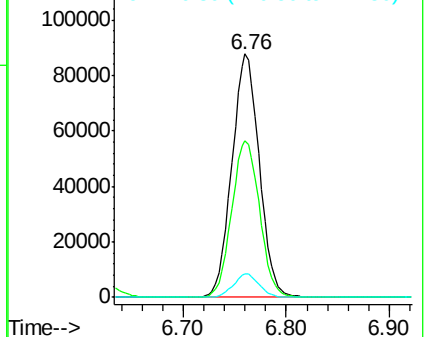
83 100

85 64.2 51.9 77.9

127 9.7 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: 49.18 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

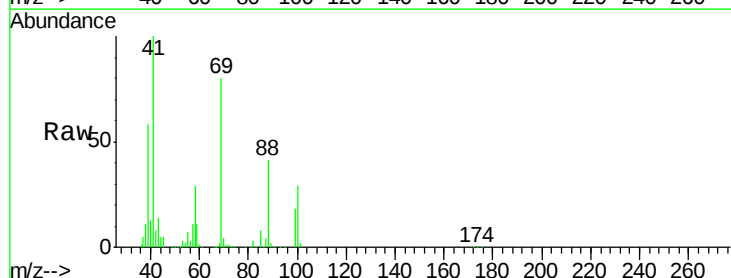
Tgt Ion: 41 Resp: 141624

Ion Ratio Lower Upper

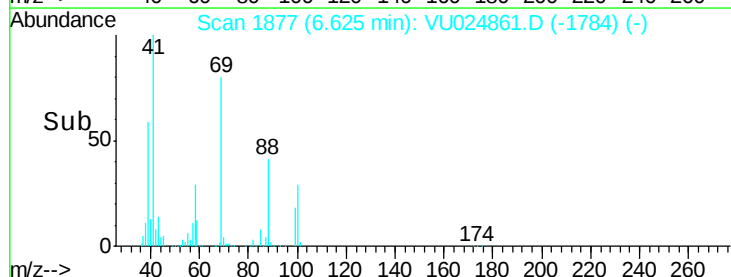
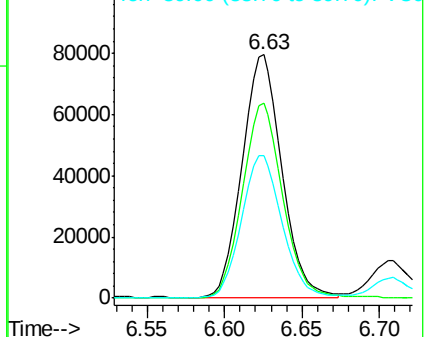
41 100

69 81.8 67.3 100.9

39 59.8 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

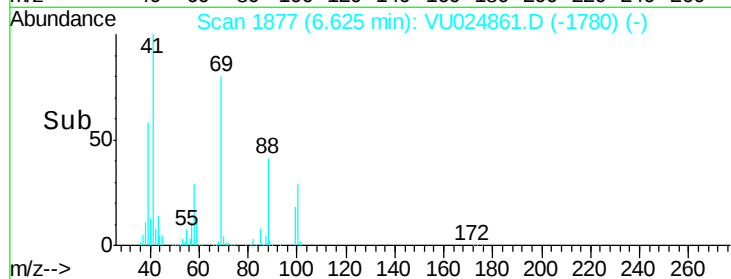
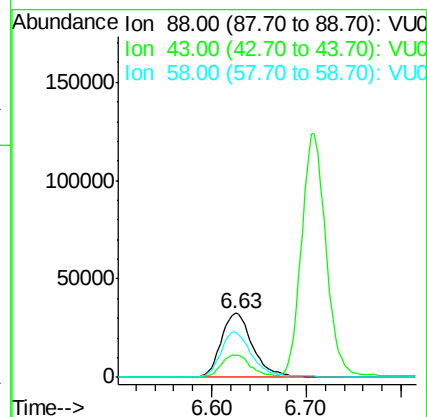
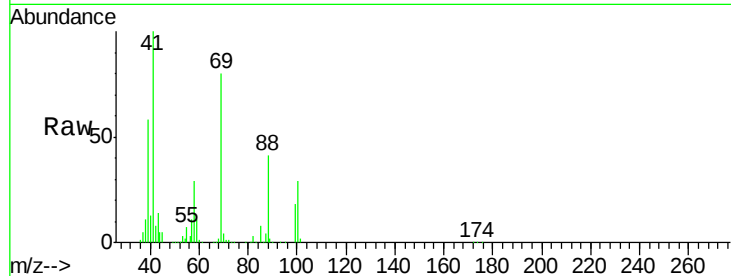




#49
1,4-Dioxane
Concen: 1351.86 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

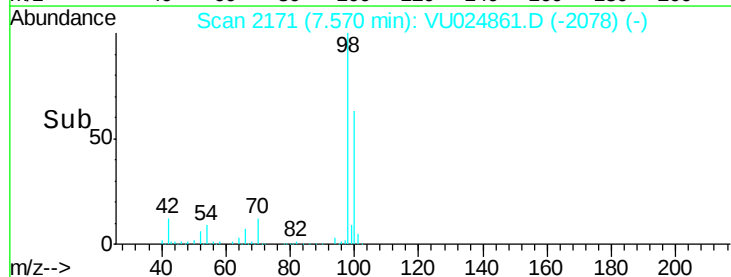
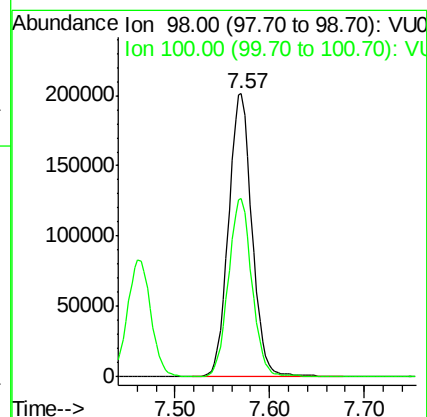
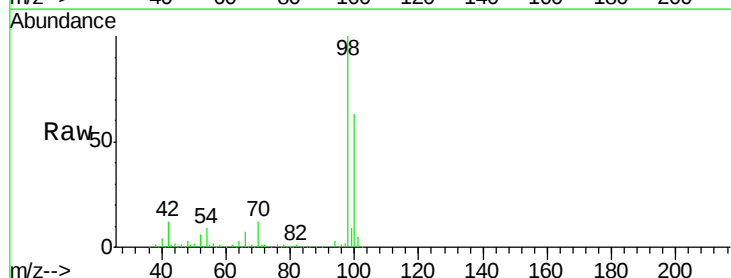
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 76130
Ion Ratio Lower Upper
88 100
43 31.9 28.6 42.8
58 69.2 58.2 87.4



#50
Toluene-d8
Concen: 42.99 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 98 Resp: 347643
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7

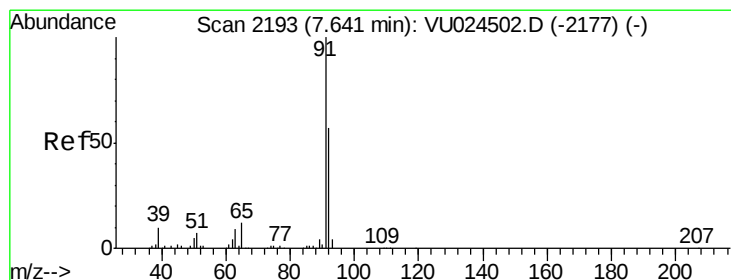
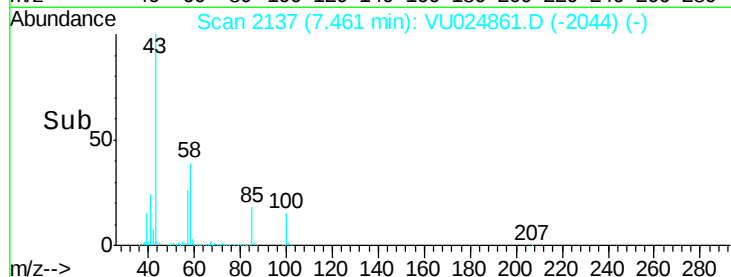
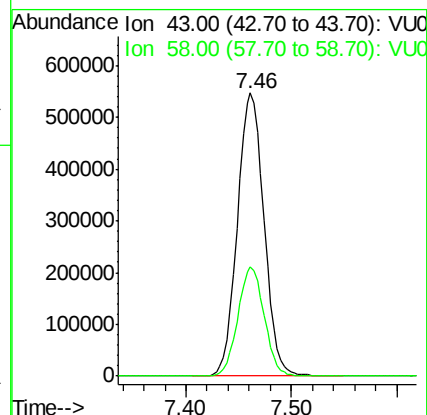
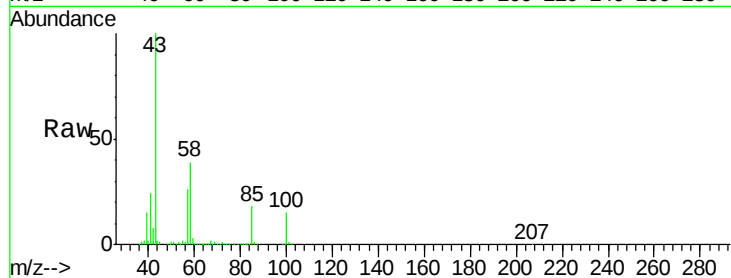




#51
 4-Methyl-2-Pentanone
 Concen: 256.70 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

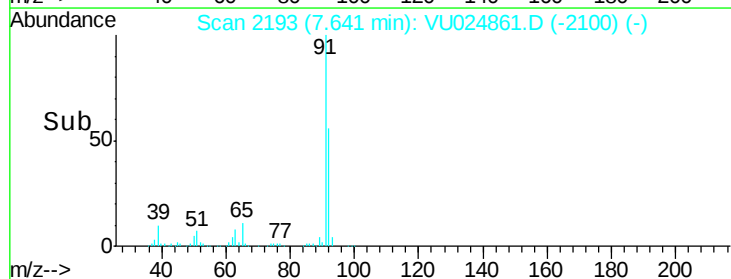
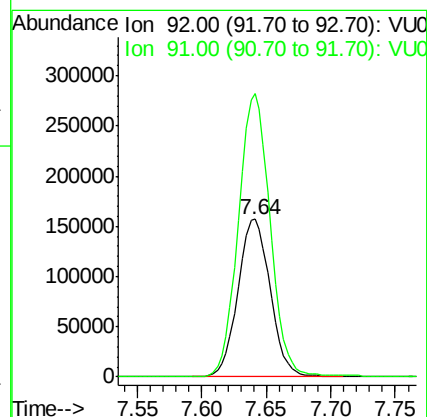
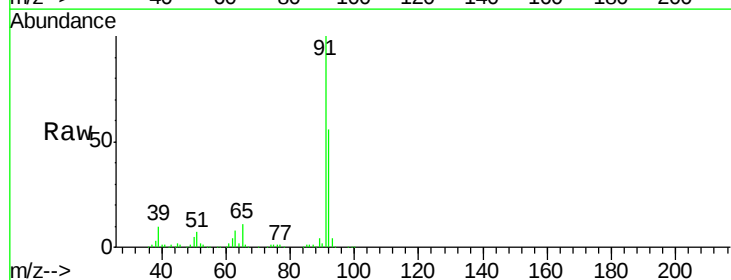
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 953713
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.0 45.0



#52
 Toluene
 Concen: 47.65 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 92 Resp: 274202
 Ion Ratio Lower Upper
 92 100
 91 177.2 140.5 210.7

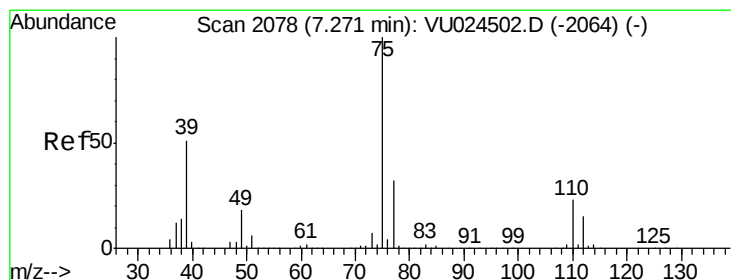
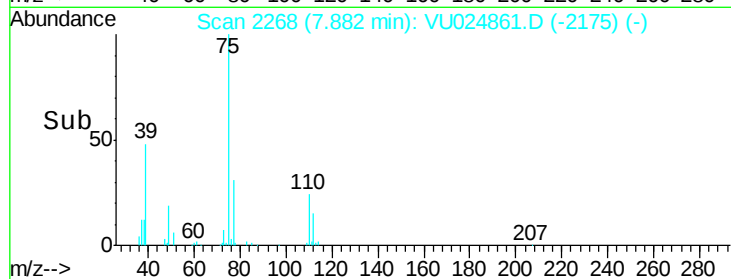
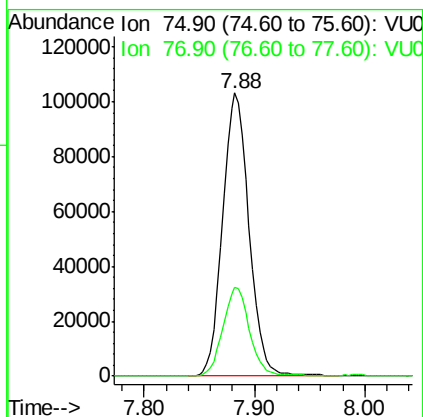
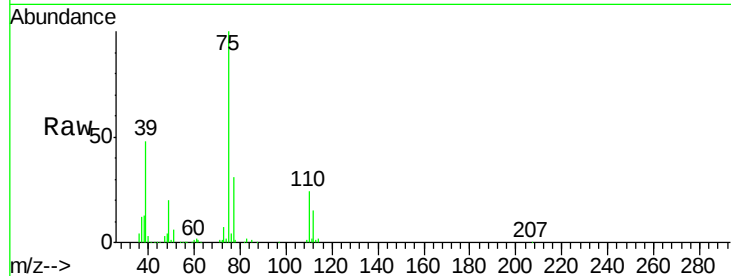




#53
 t-1,3-Dichloropropene
 Concen: 45.67 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

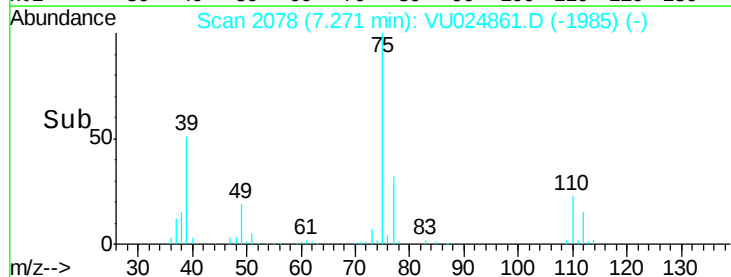
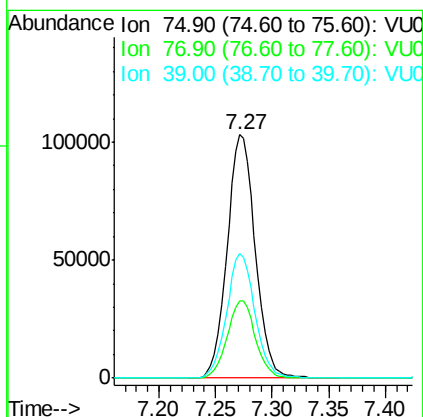
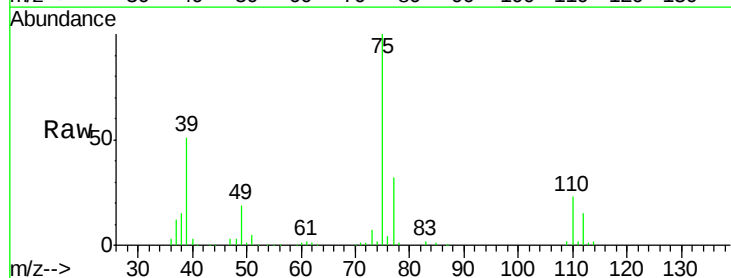
Instrument :
 MSVOA_U
 ClientSampled :

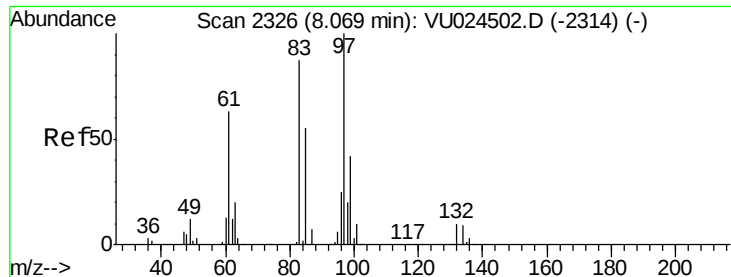
Tot Ion: 75 Resp: 171195
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 44.52 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 75 Resp: 177819
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 36.8
 39 51.3 39.8 59.6



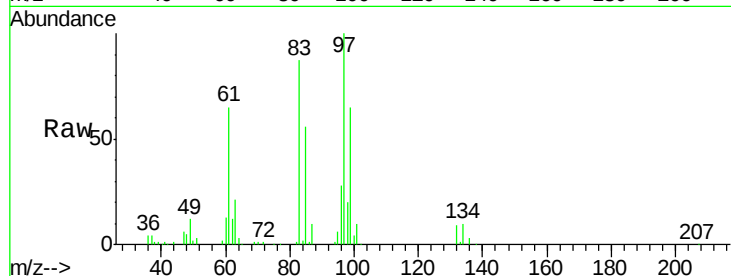


#55
 1,1,2-Trichloroethane
 Concen: 49.86 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

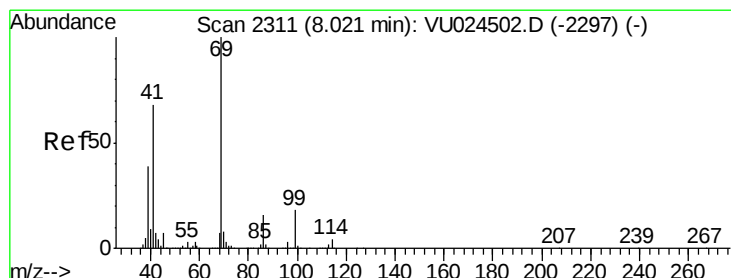
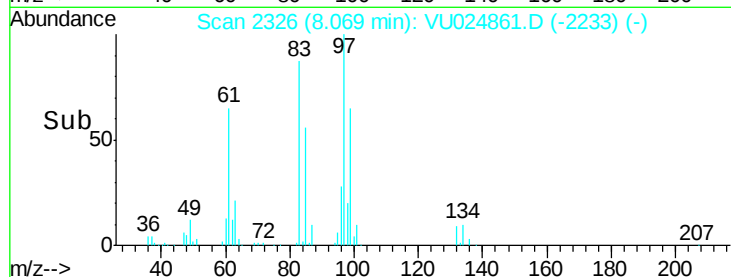
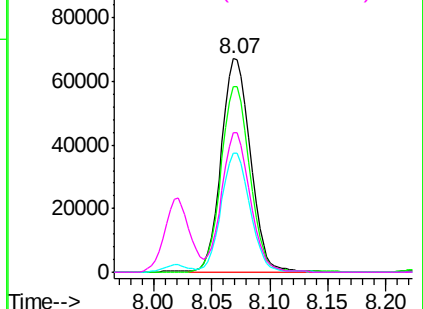
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 116631

Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.5	105.7
85	56.0	46.4	69.6
99	65.1	50.2	75.2



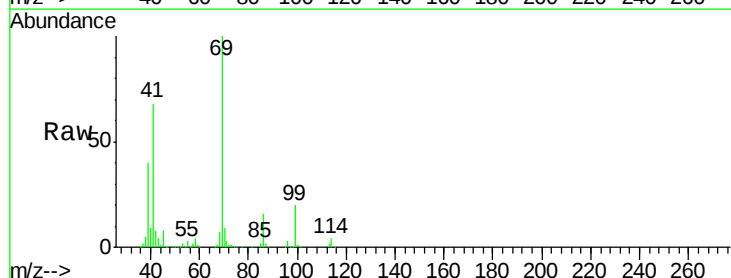
Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0



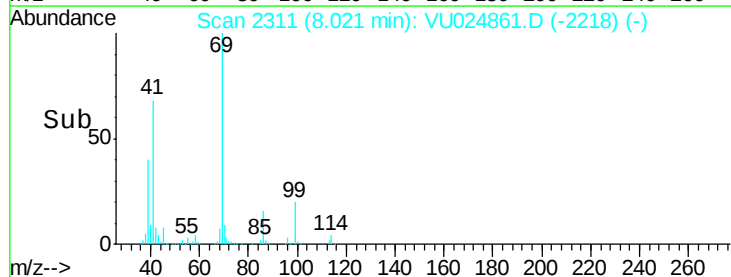
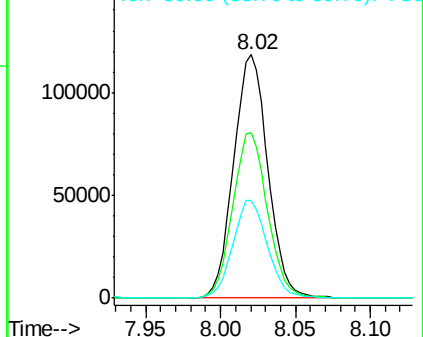
#56
 Ethyl methacrylate
 Concen: 48.31 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 69 Resp: 189151

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.1	81.1
39	40.1	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: 50.09 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

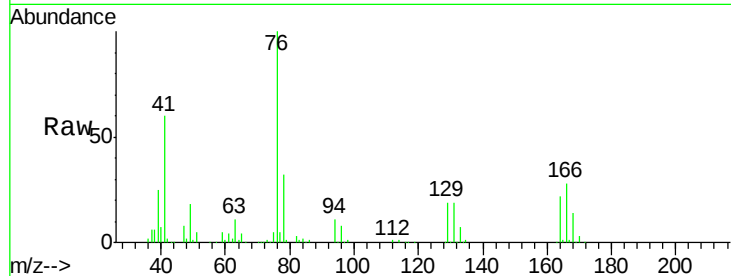
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 197641

Ion Ratio Lower Upper

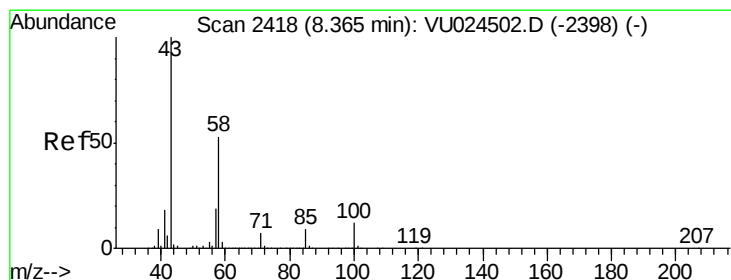
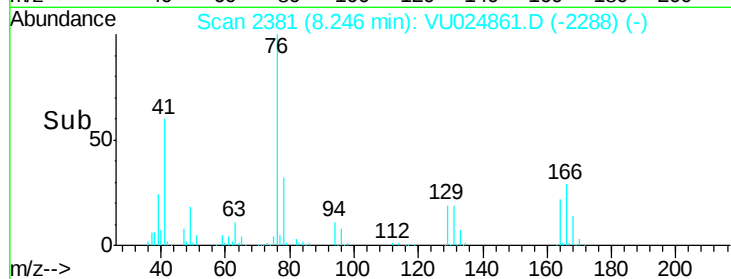
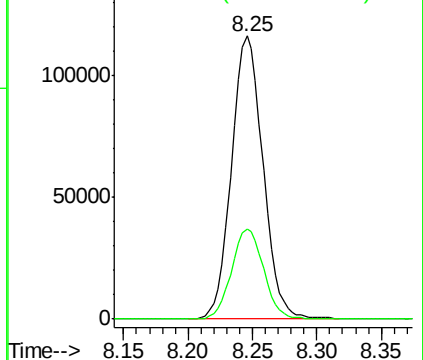
76 100

78 32.5 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 253.21 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU024861.D

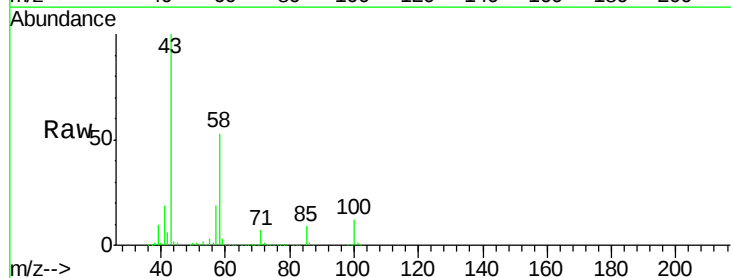
Acq: 23 Jun 2018 03:06

Tgt Ion: 43 Resp: 768039

Ion Ratio Lower Upper

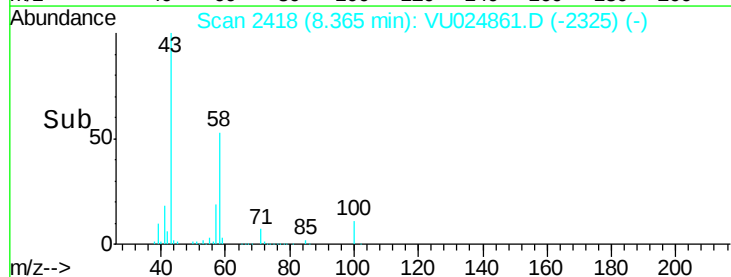
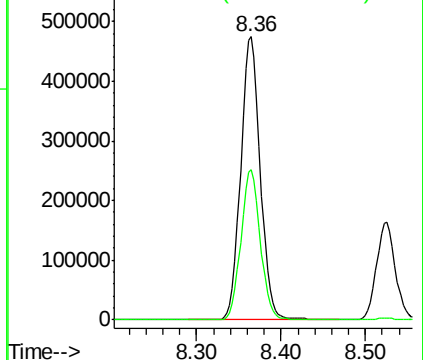
43 100

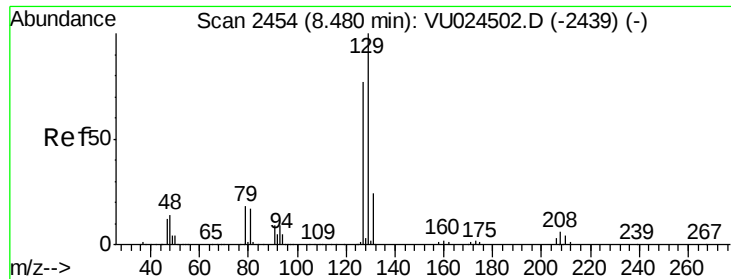
58 52.7 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 46.86 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

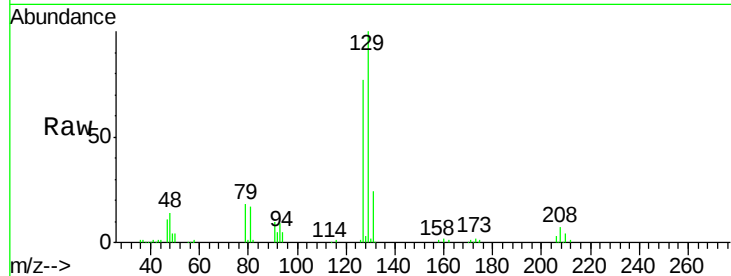
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 136680

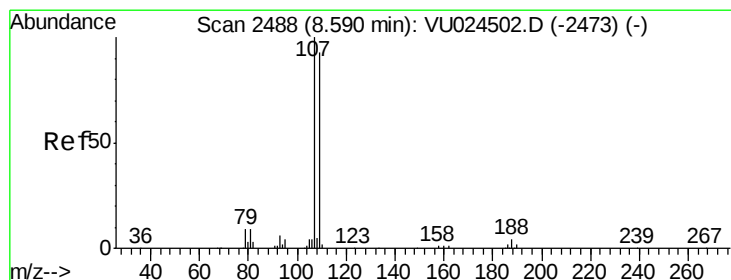
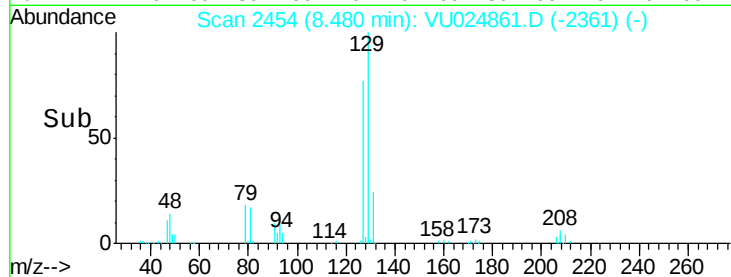
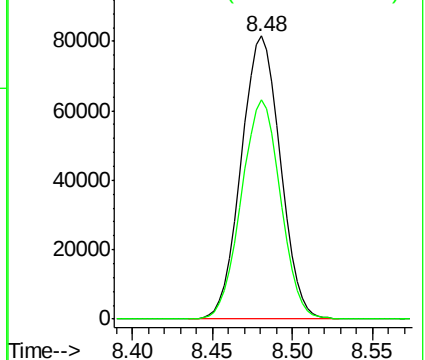
Ion Ratio Lower Upper

129 100

127 77.5 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.57 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024861.D

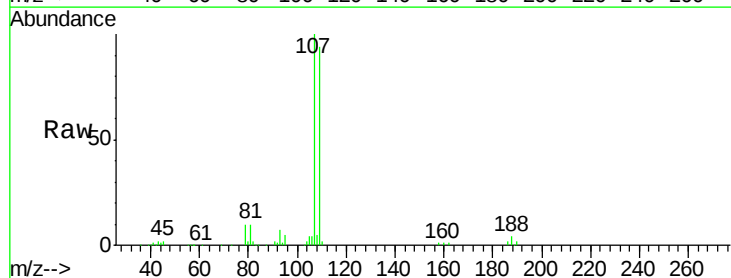
Acq: 23 Jun 2018 03:06

Tgt Ion:107 Resp: 129053

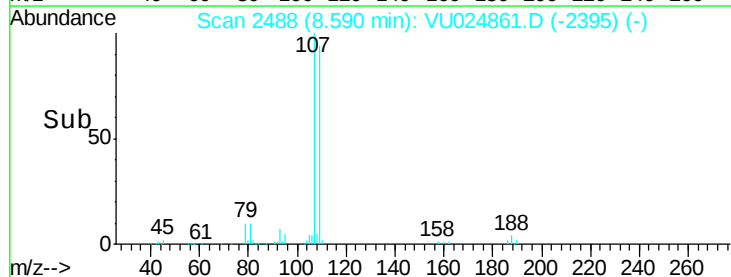
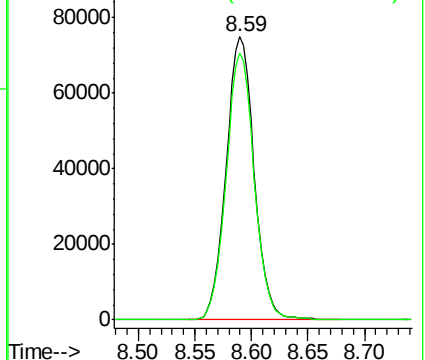
Ion Ratio Lower Upper

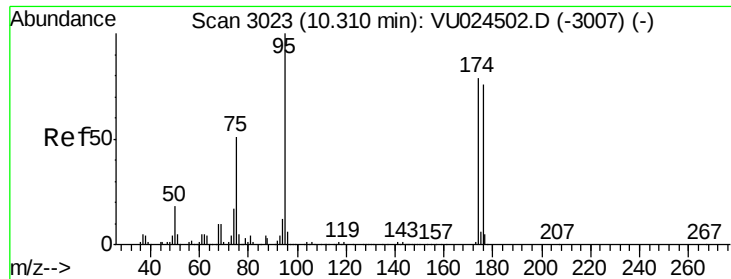
107 100

109 94.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 42.86 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

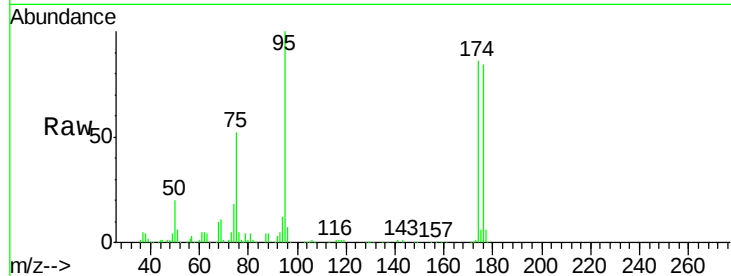
Tot Ion: 95 Resp: 137615

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

176 84.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0

120000

100000

80000

60000

40000

20000

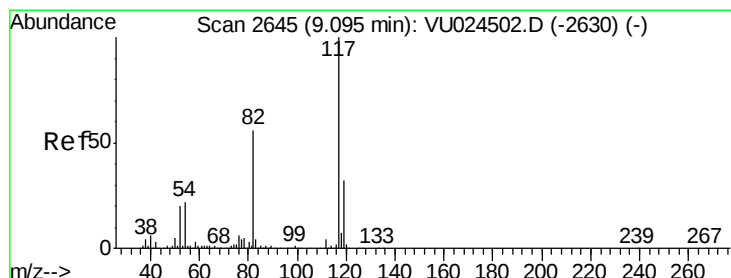
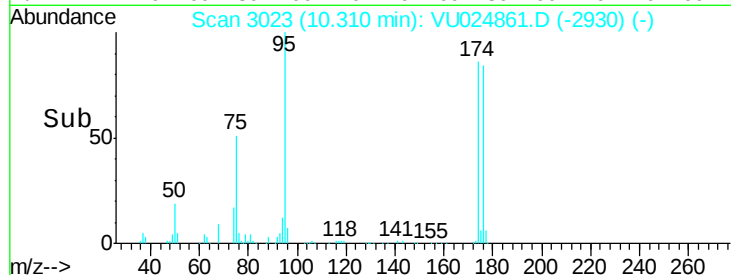
0

10.31

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

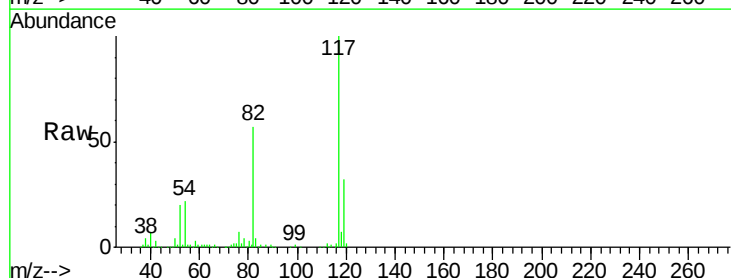
Tgt Ion: 117 Resp: 256243

Ion Ratio Lower Upper

117 100

82 56.7 44.3 66.5

119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0

200000

150000

100000

50000

0

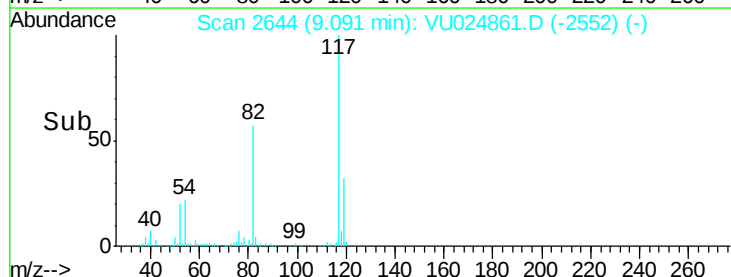
9.09

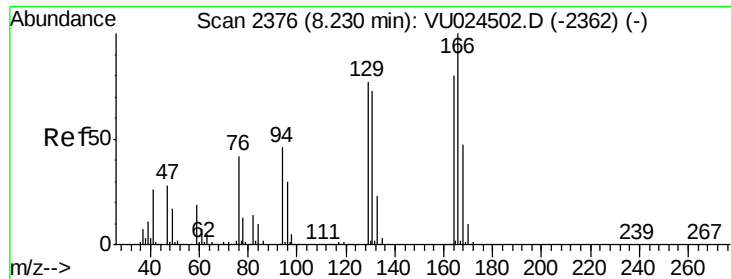
9.05

9.10

9.15

Time-->

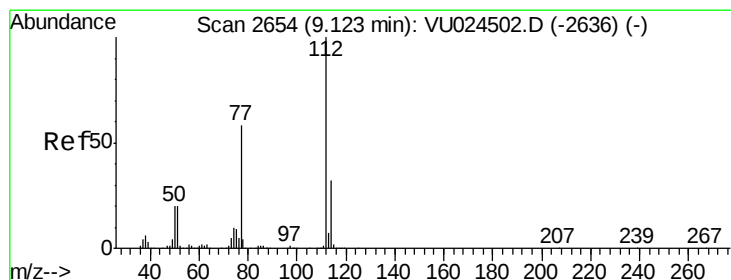
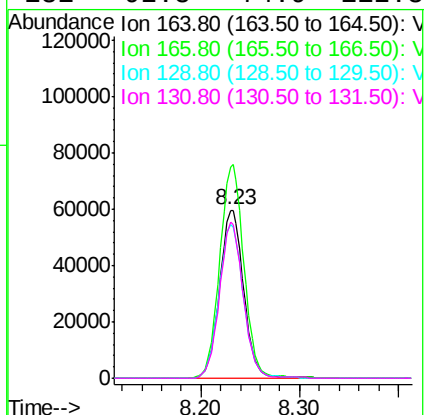
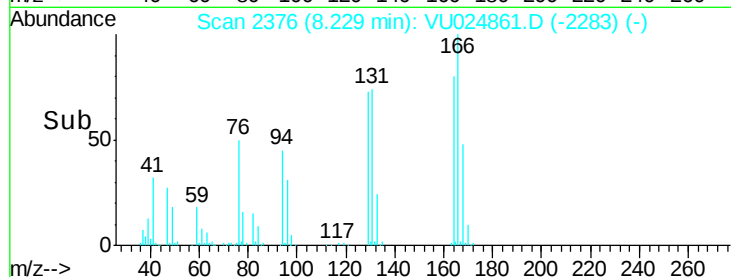
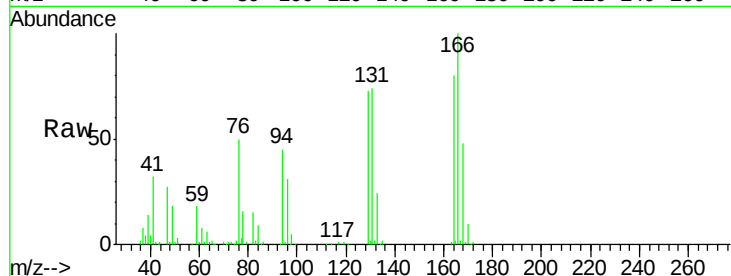




#64
Tetrachloroethene
Concen: 42.12 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

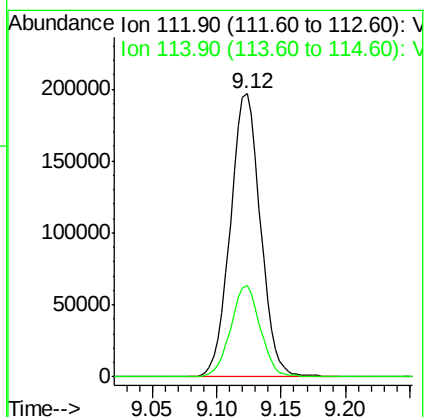
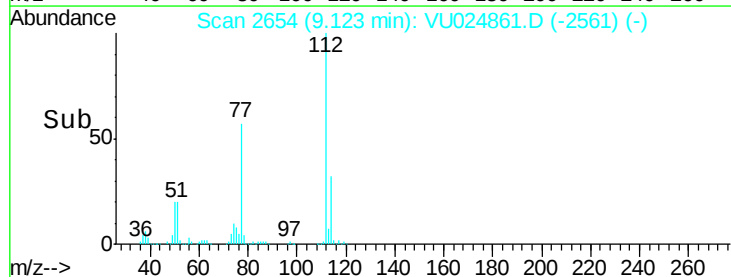
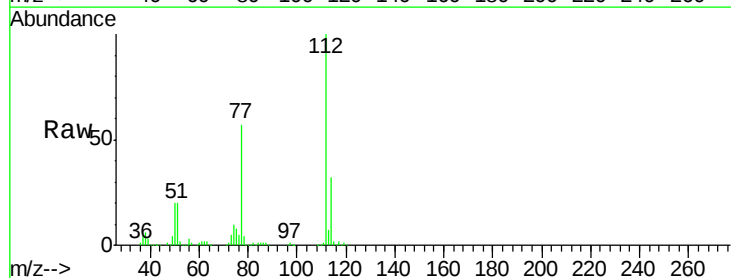
Instrument :
MSVOA_U
ClientSampleId :

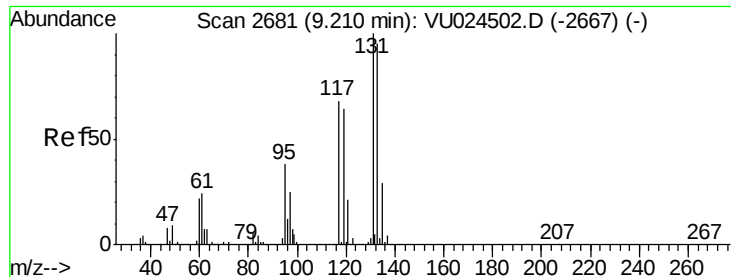
Tot Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.7	152.5
129	91.7	76.9	115.3
131	92.8	74.9	112.3



#65
Chlorobenzene
Concen: 48.81 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 49.03 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

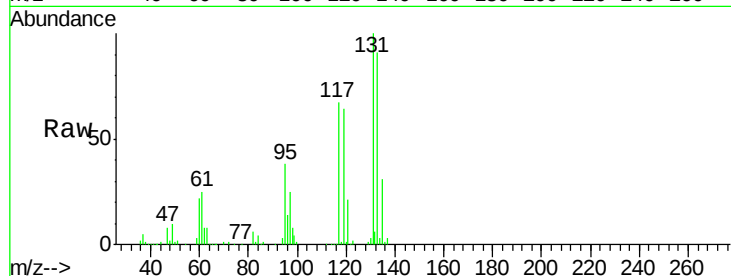
Tot Ion:131 Resp: 121945

Ion Ratio Lower Upper

131 100

133 93.6 46.9 140.8

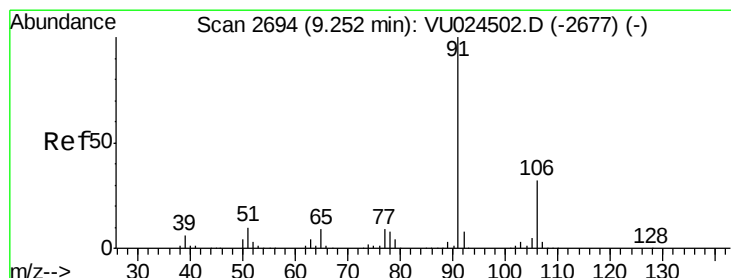
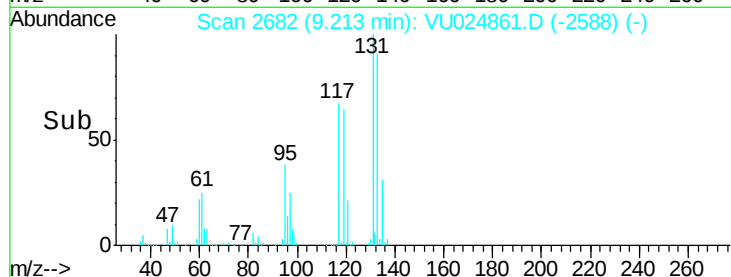
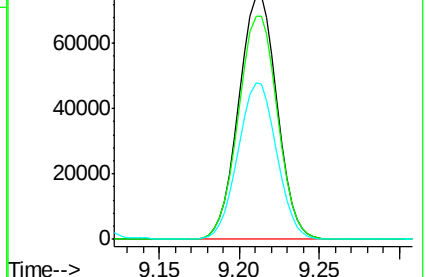
119 64.5 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 47.83 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024861.D

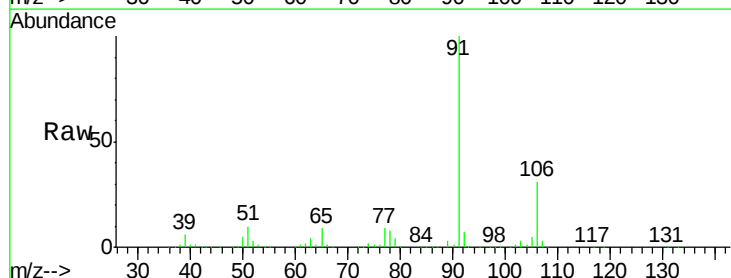
Acq: 23 Jun 2018 03:06

Tgt Ion: 91 Resp: 548941

Ion Ratio Lower Upper

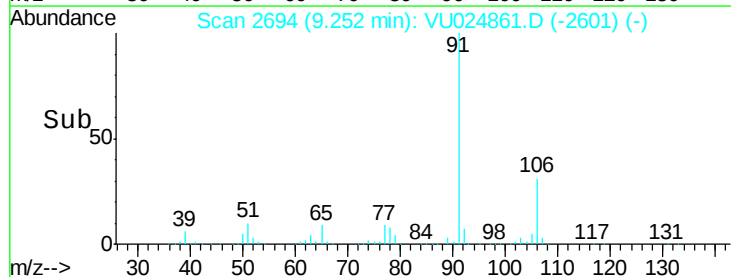
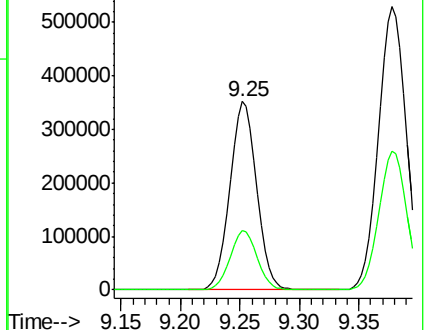
91 100

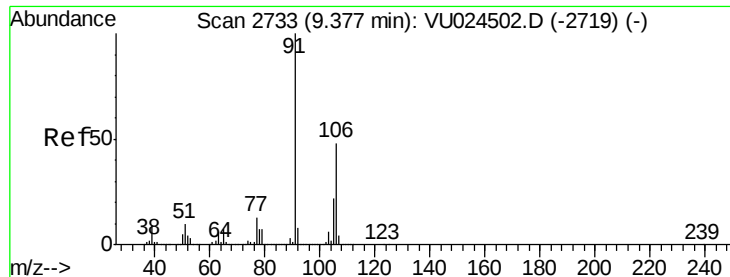
106 31.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

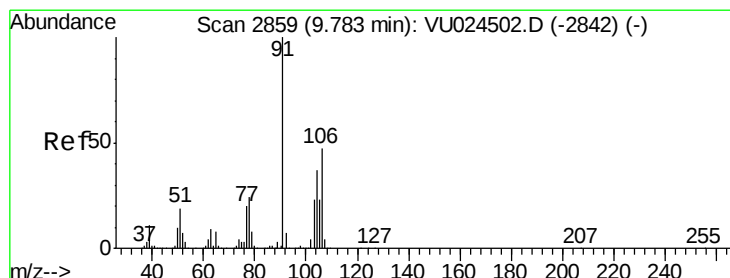
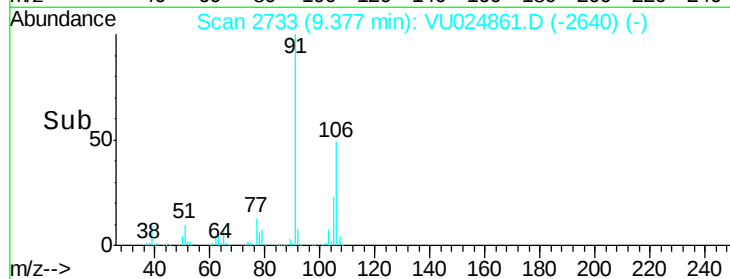
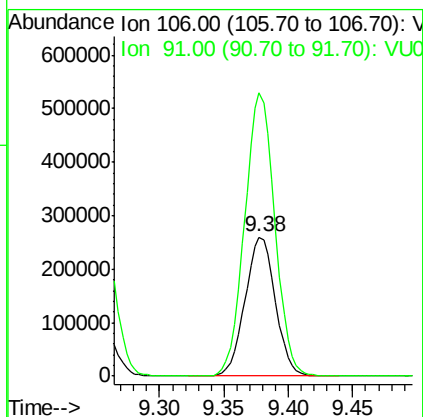
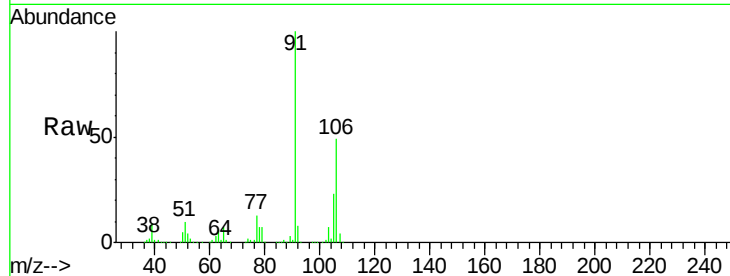




#68
m/p-Xylenes
Concen: 96.30 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

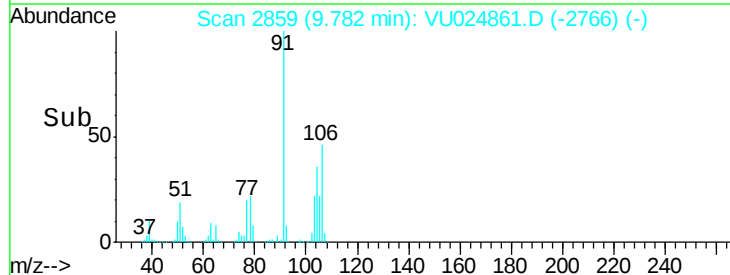
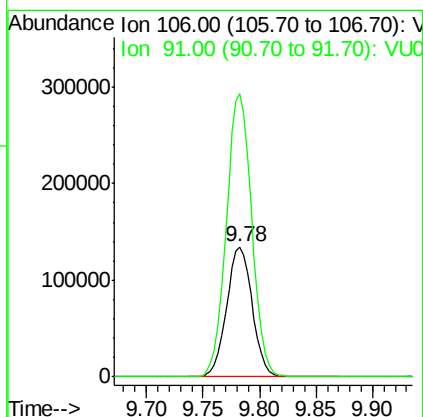
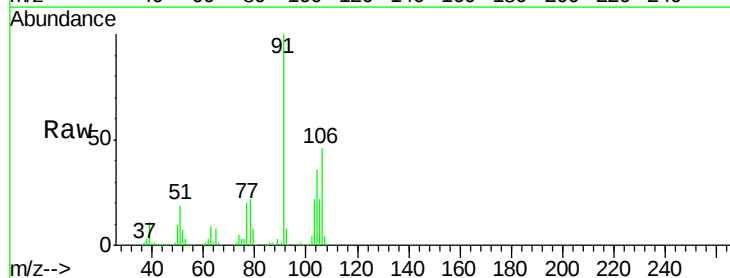
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 424368
Ion Ratio Lower Upper
106 100
91 203.3 166.5 249.7



#69
o-Xylene
Concen: 48.46 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion:106 Resp: 211352
Ion Ratio Lower Upper
106 100
91 216.1 110.7 331.9

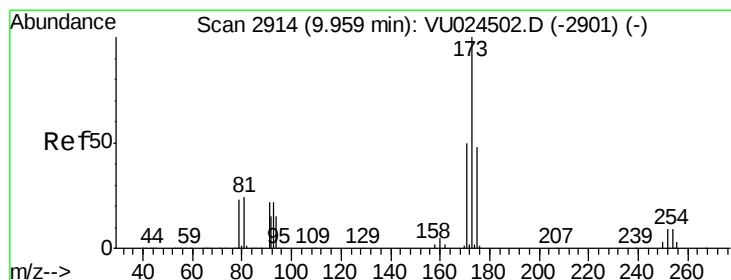
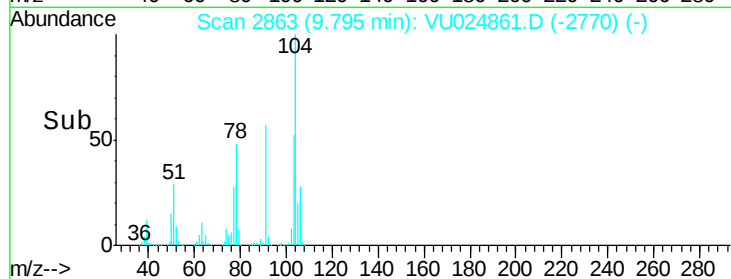
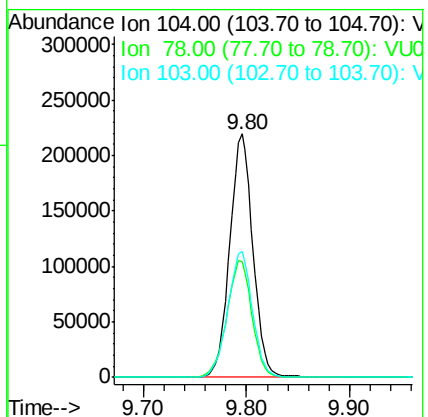
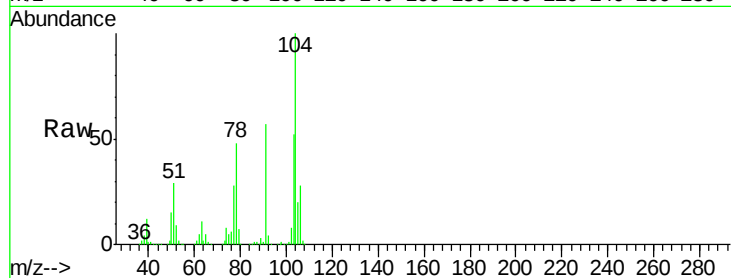




#70
Stvrene
Concen: 47.98 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

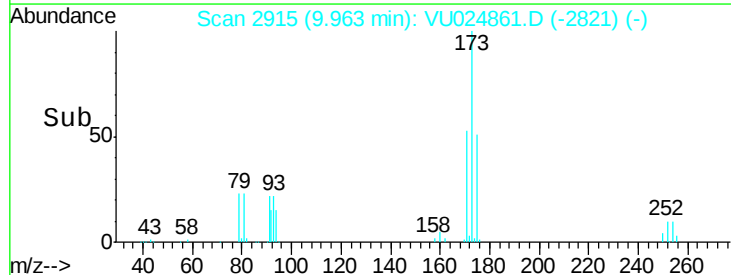
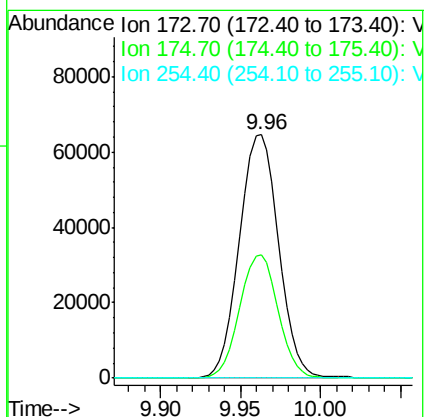
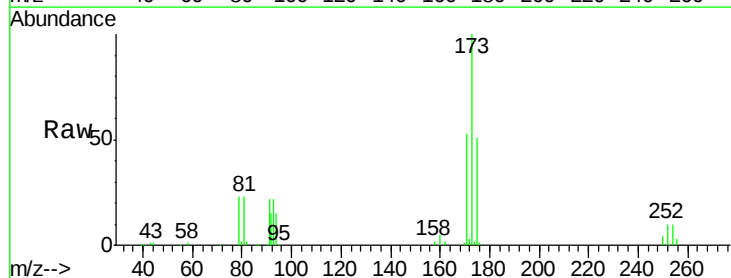
Instrument :
MSVOA_U
ClientSampled :

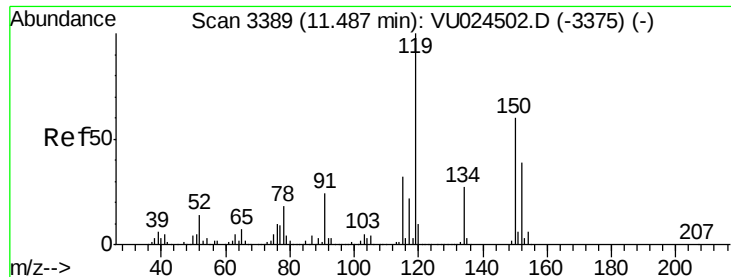
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.6	60.8
103	55.0	44.7	67.1



#71
Bromoform
Concen: 45.74 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

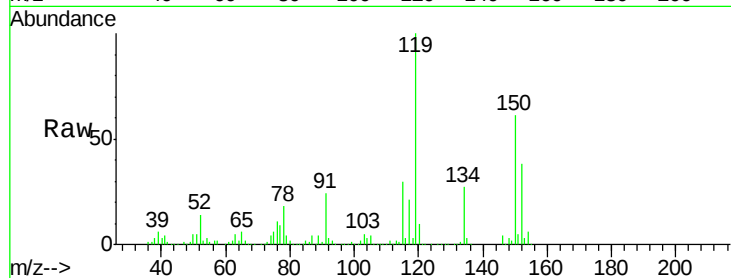
Tot Ion:152 Resp: 155489

Ion Ratio Lower Upper

152 100

115 83.8 43.0 129.0

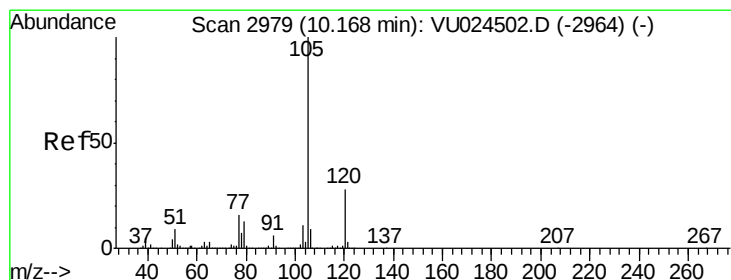
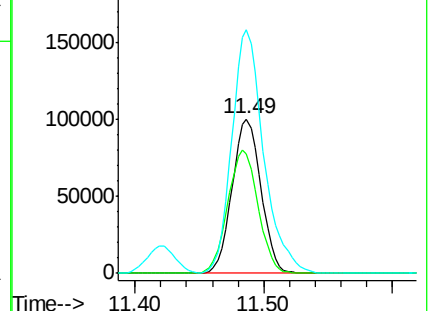
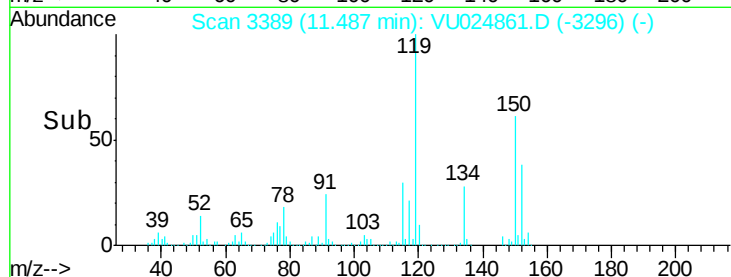
150 174.0 0.0 354.0



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: 48.48 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024861.D

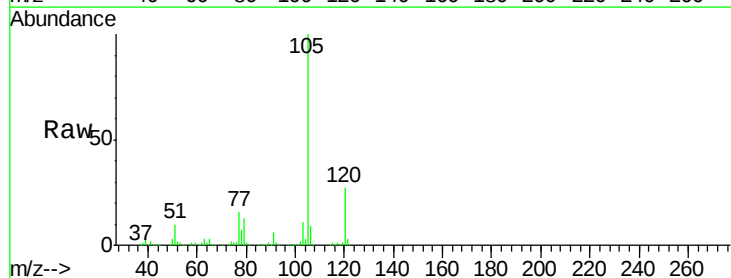
Acq: 23 Jun 2018 03:06

Tgt Ion:105 Resp: 578798

Ion Ratio Lower Upper

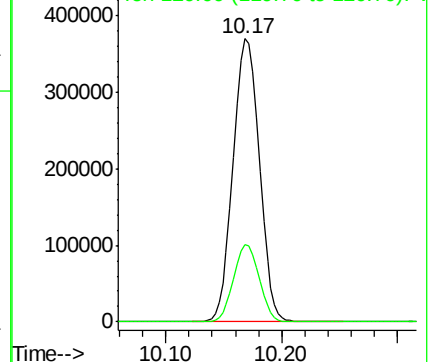
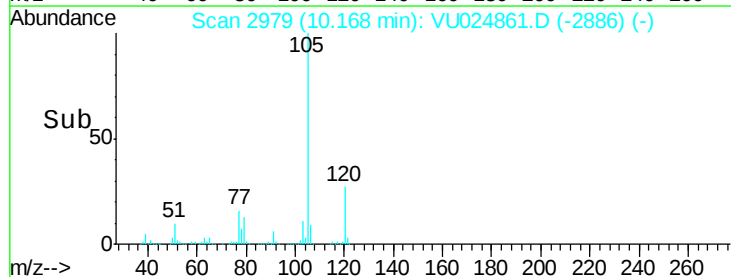
105 100

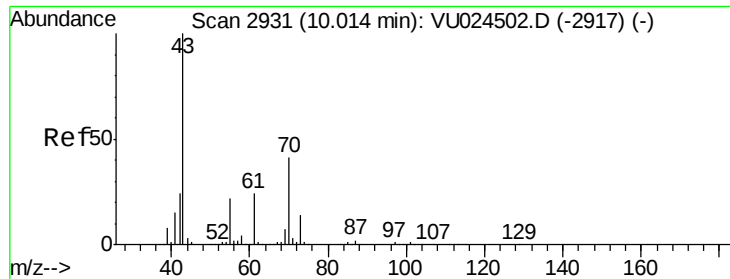
120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.31 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 257257

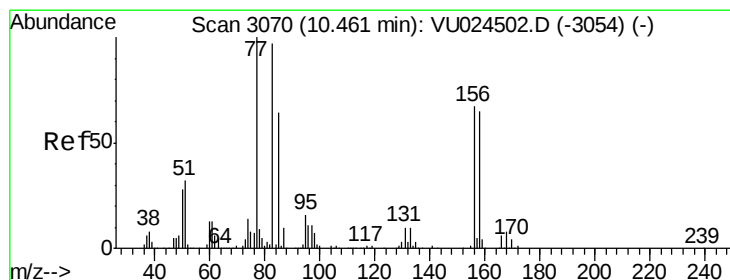
Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.2	48.4
55	23.4	20.5	30.7
61	23.2	18.7	28.1

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.10 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

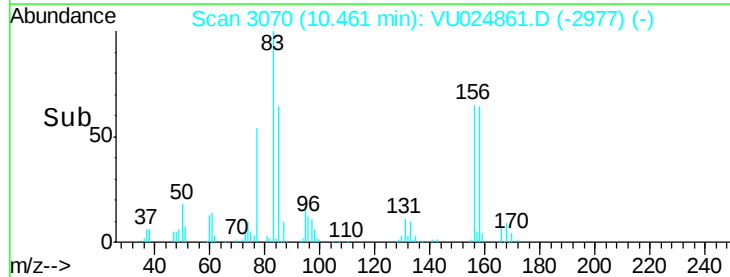
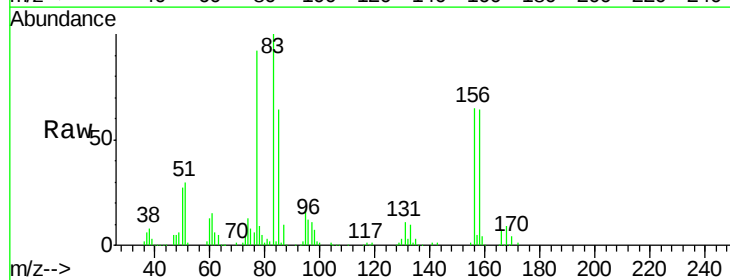
Tgt Ion: 83 Resp: 200428

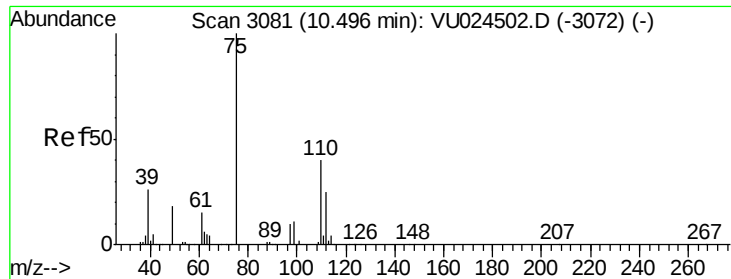
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.7	14.1
85	63.6	32.5	97.5

Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

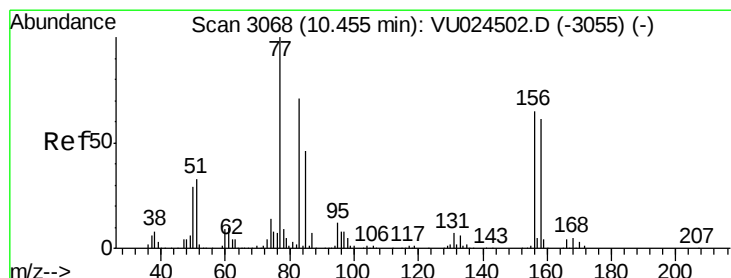
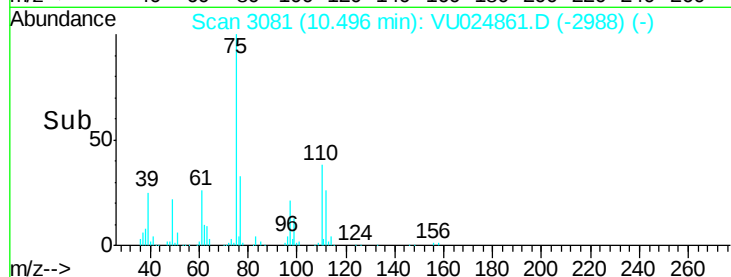
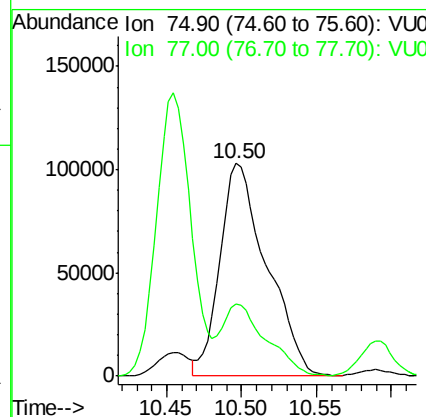
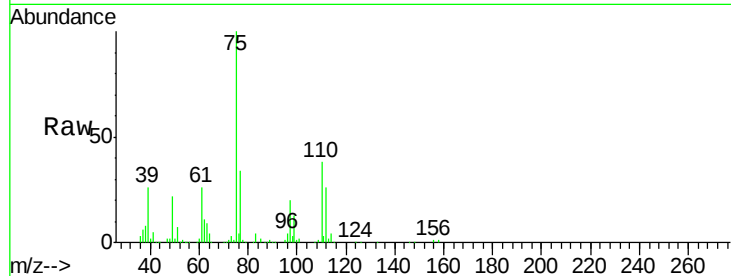




#76
 1,2,3-Trichloropropane
 Concen: 65.82 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

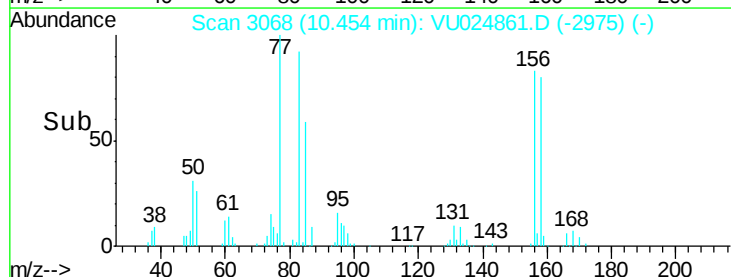
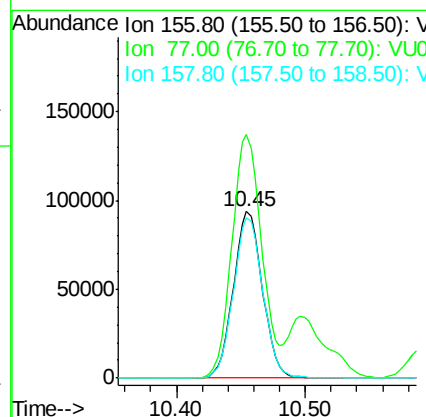
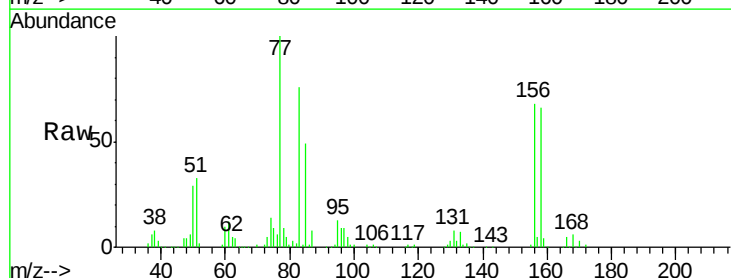
Instrument :
 MSVOA_U
 ClientSampled :

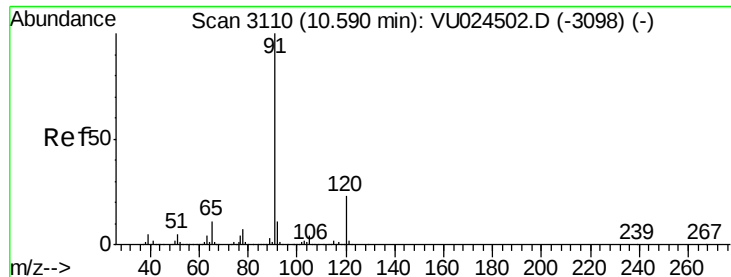
Tot Ion: 75 Resp: 225331
 Ion Ratio Lower Upper
 75 100
 77 32.2 20.9 62.7



#77
 Bromobenzene
 Concen: 48.35 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 156 Resp: 146134
 Ion Ratio Lower Upper
 156 100
 77 150.4 80.5 241.3
 158 97.6 48.2 144.6





#78

n-propylbenzene

Concen: 46.81 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

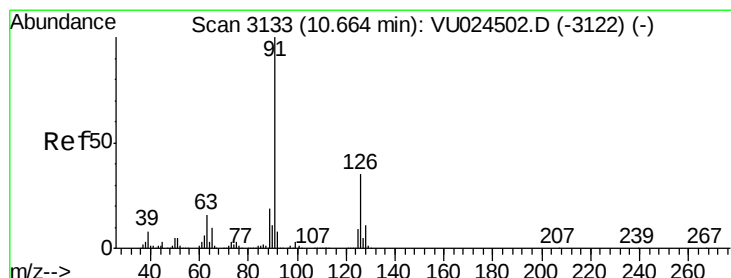
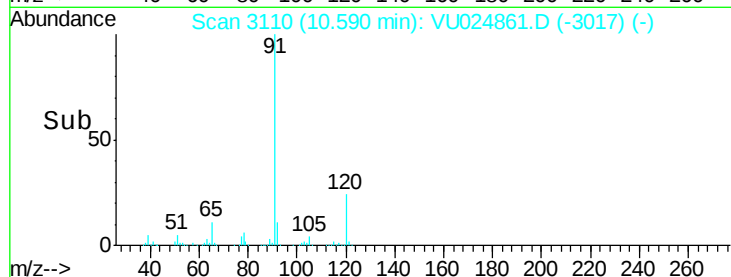
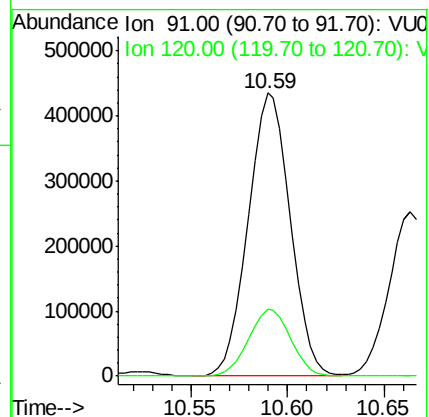
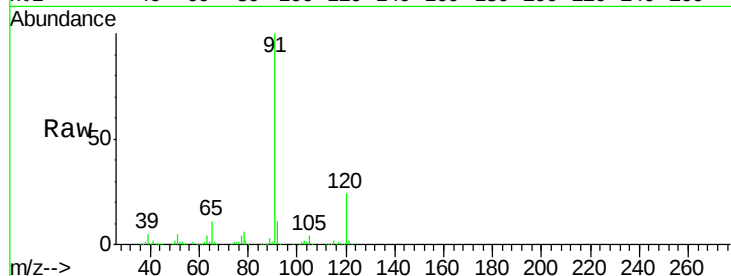
ClientSampleId :

Tot Ion: 91 Resp: 658272

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 47.30 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024861.D

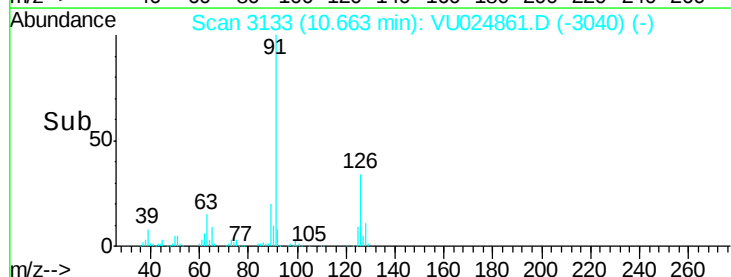
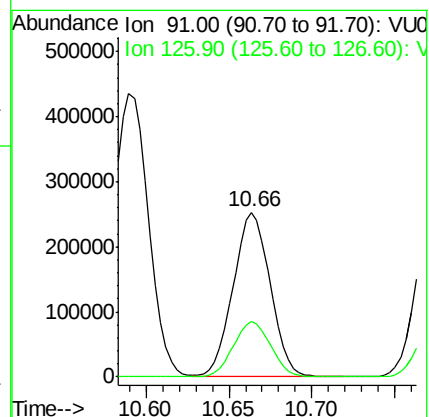
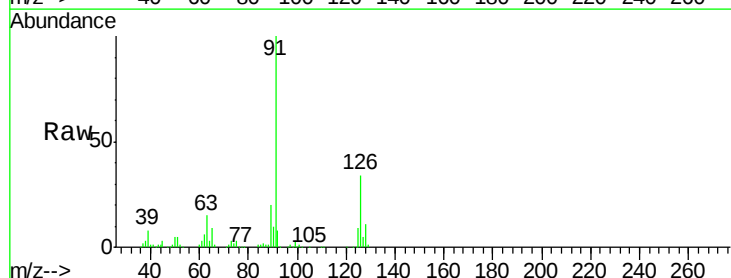
Acq: 23 Jun 2018 03:06

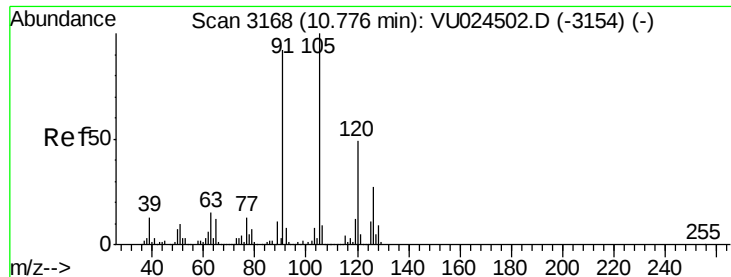
Tgt Ion: 91 Resp: 392276

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 47.61 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

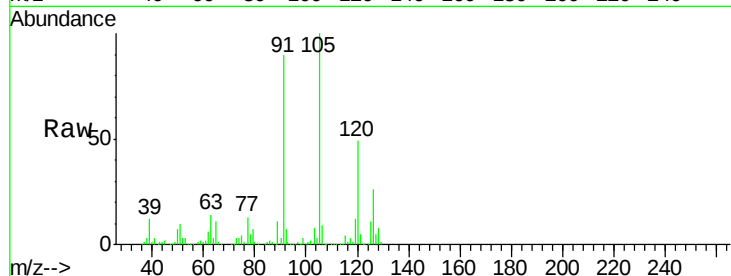
ClientSampleId :

Tot Ion:105 Resp: 492641

Ion Ratio Lower Upper

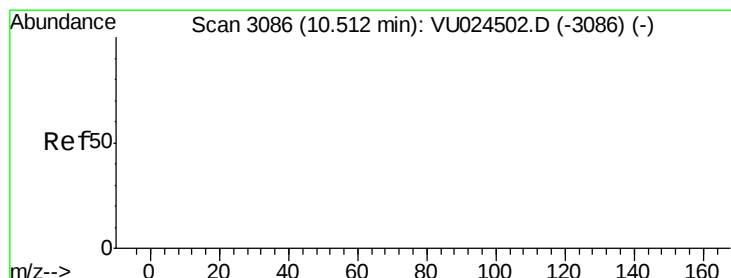
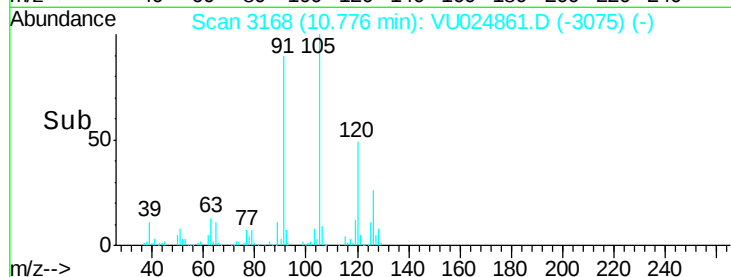
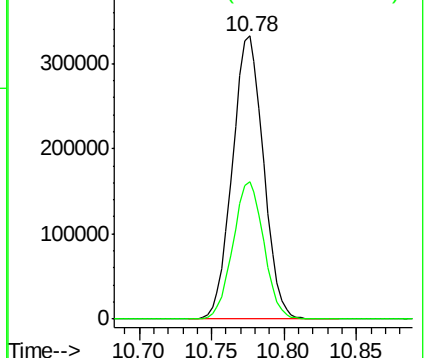
105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 152.34 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

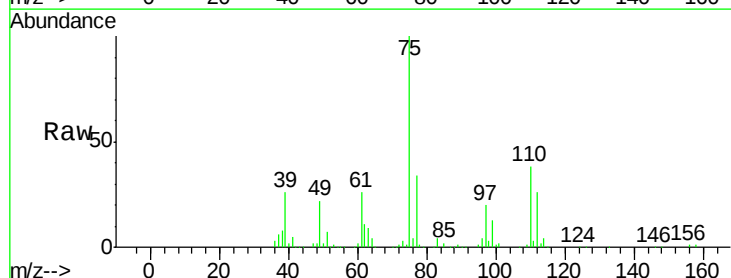
Tgt Ion: 75 Resp: 225331

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

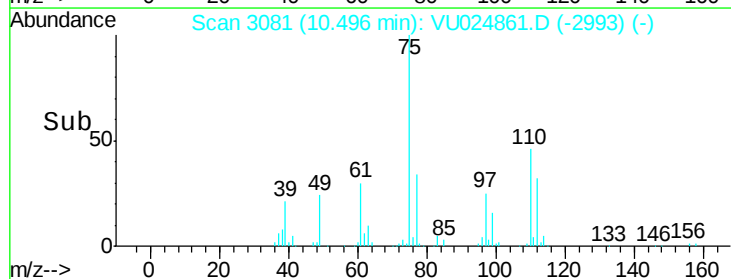
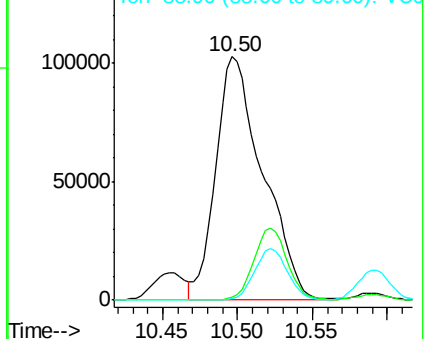
89 0.0 0.0 0.0

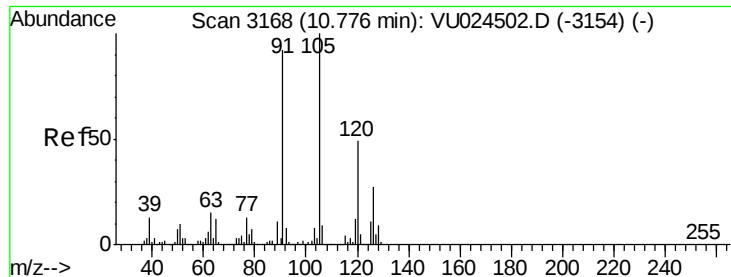


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

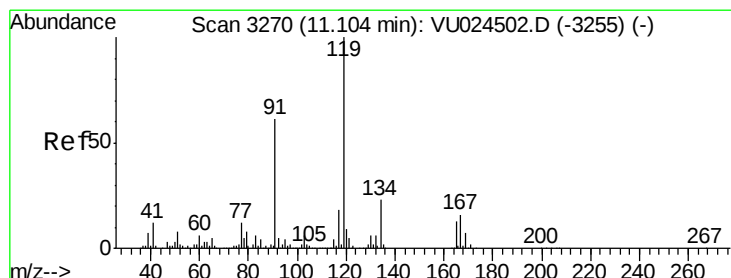
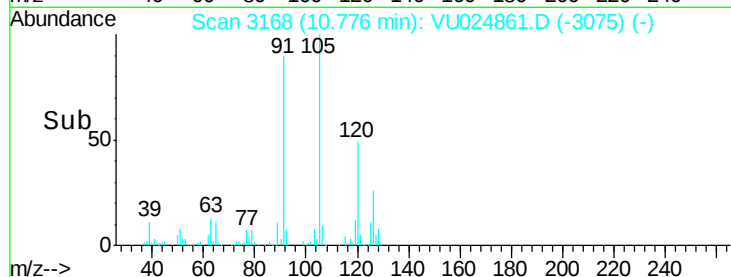
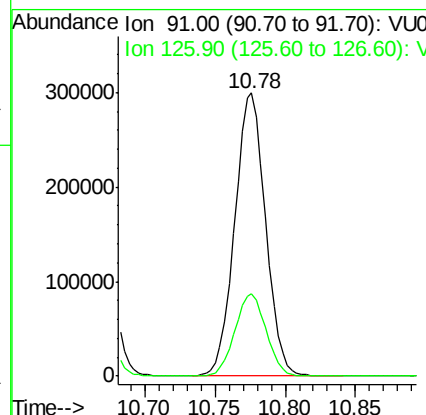
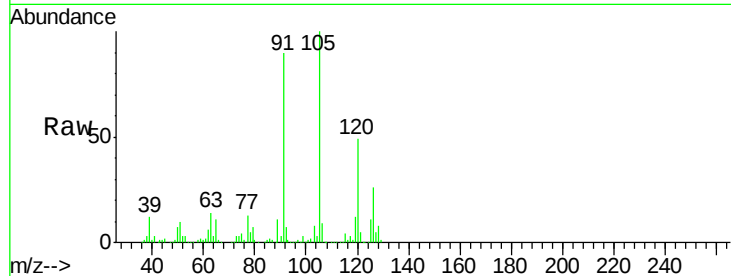




#82
4-Chlorotoluene
Concen: 47.27 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

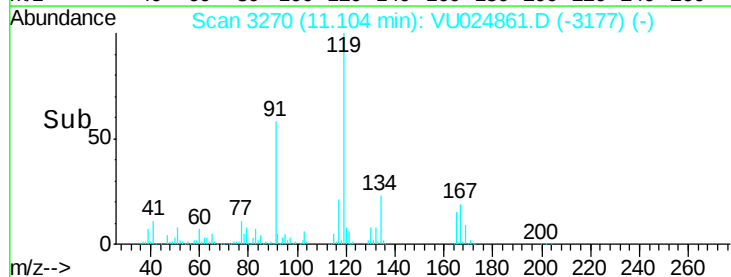
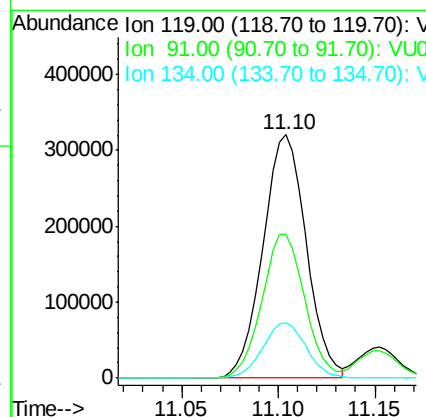
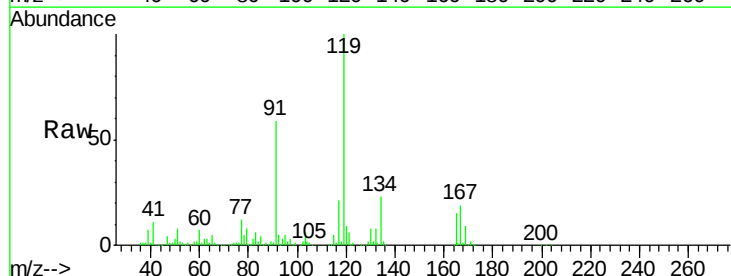
Instrument :
MSVOA_U
ClientSampleId :

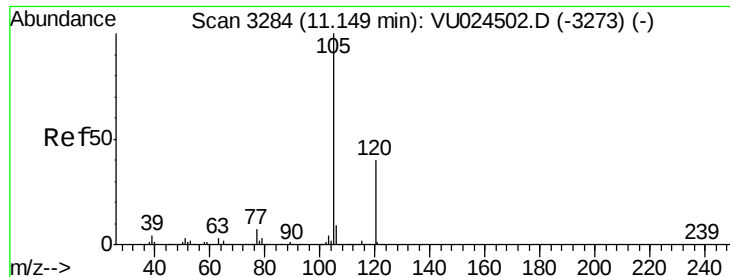
Tot Ion: 91 Resp: 456277
Ion Ratio Lower Upper
91 100
126 29.7 14.9 44.9



#83
tert-Butylbenzene
Concen: 50.34 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 119 Resp: 501013
Ion Ratio Lower Upper
119 100
91 58.6 29.7 89.1
134 22.7 11.6 34.7

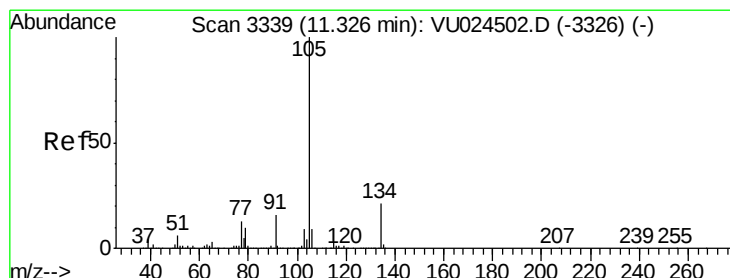
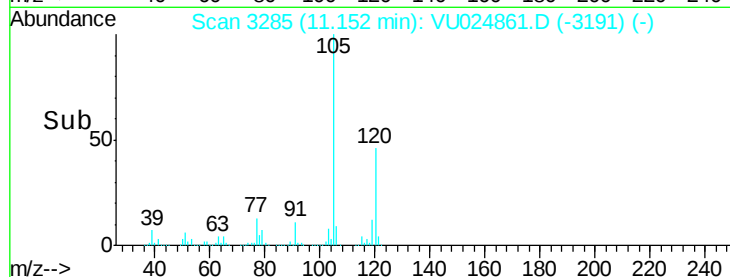
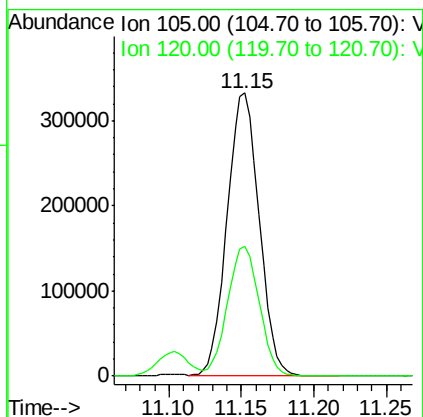
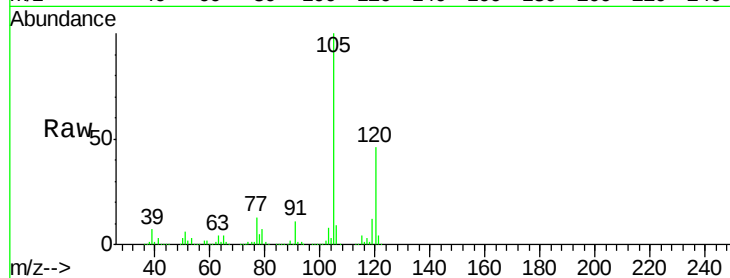




#84
 1,2,4-Trimethylbenzene
 Concen: 48.27 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

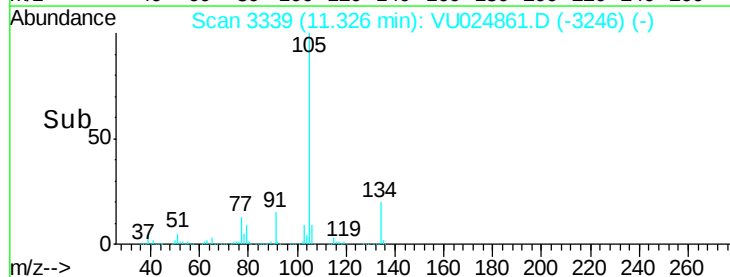
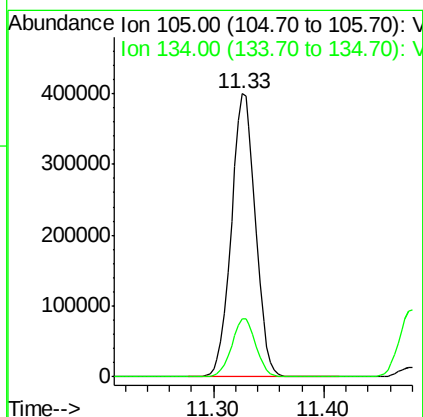
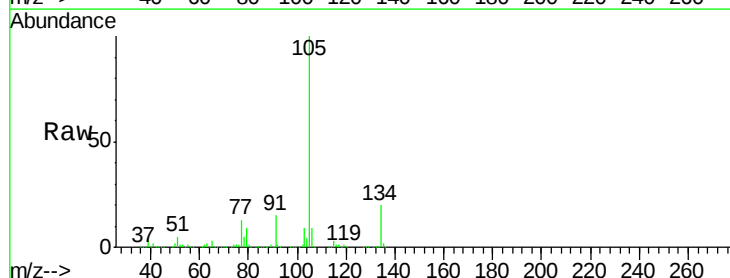
Instrument :
 MSVOA_U
 ClientSampleId :

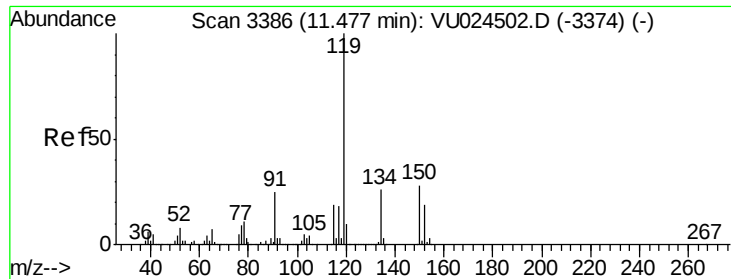
Tot Ion:105 Resp: 508991
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 48.58 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion:105 Resp: 605218
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 29.1

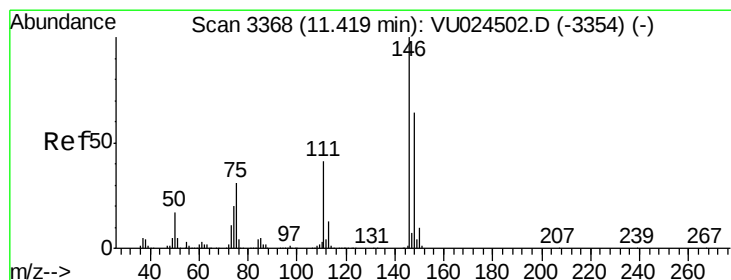
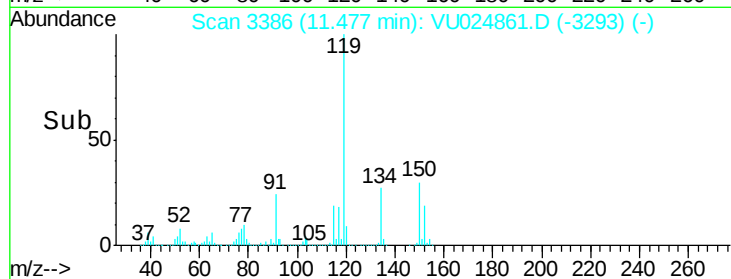
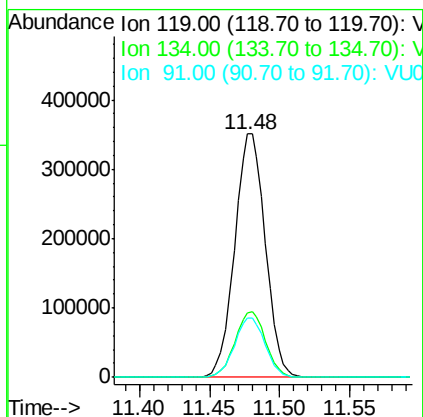
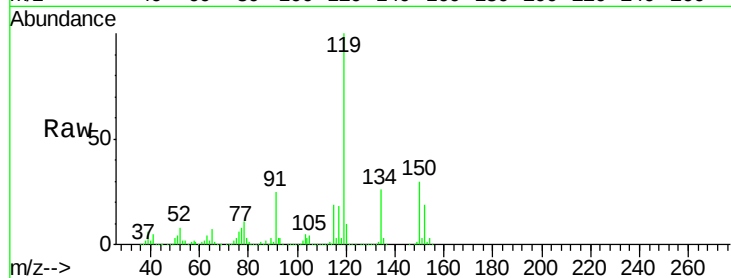




#86
 p-Isopropyltoluene
 Concen: 47.75 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

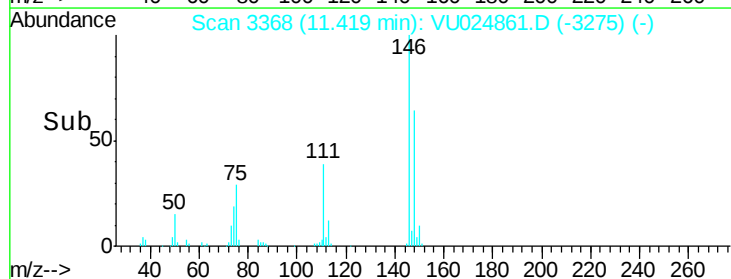
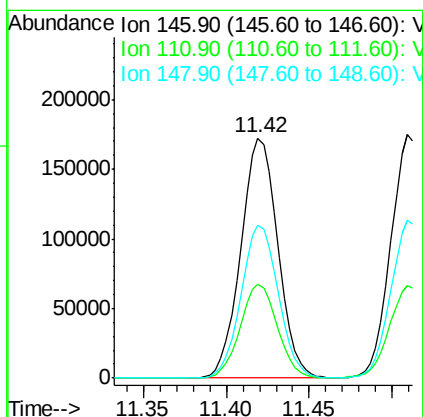
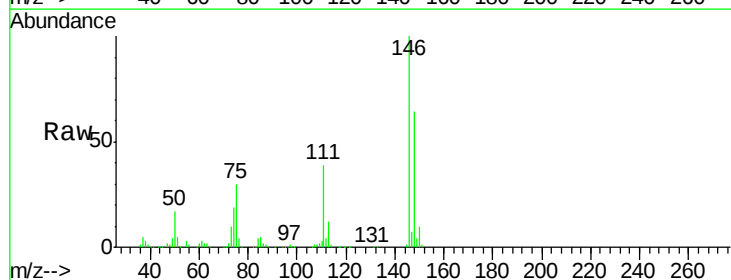
Instrument :
 MSVOA_U
 ClientSampleId :

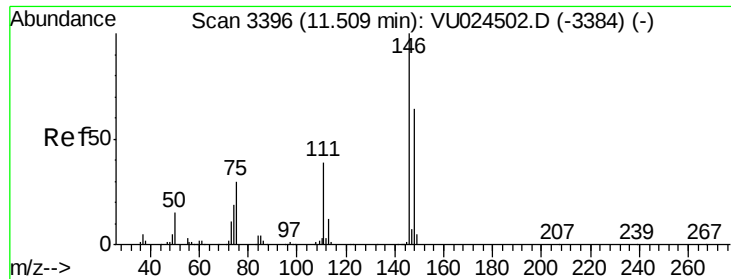
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	24.5	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 47.98 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.0	32.1	96.5

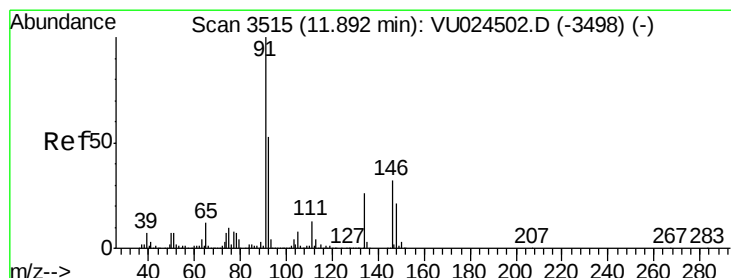
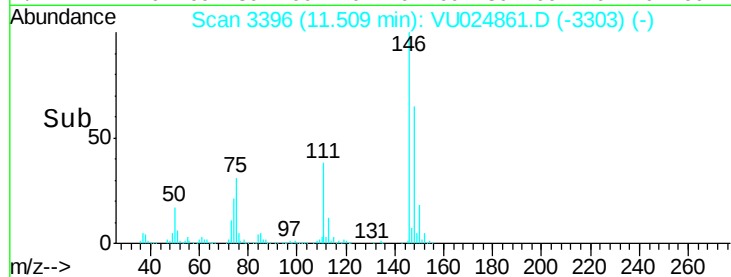
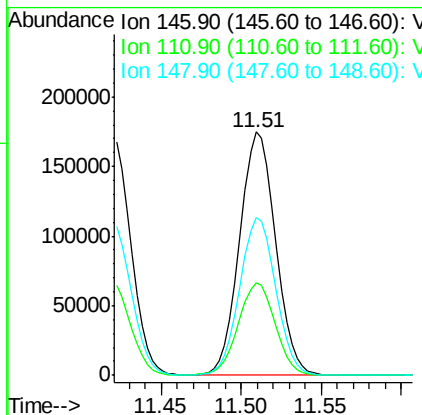
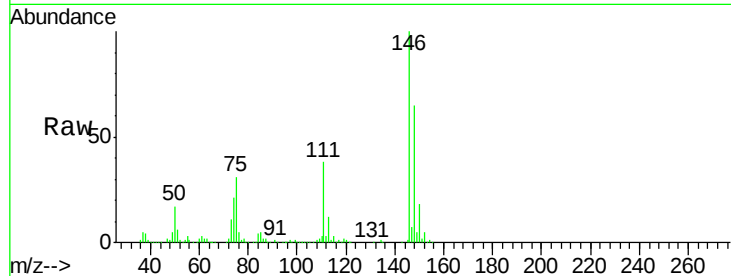




#88
 1,4-Dichlorobenzene
 Concen: 47.59 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

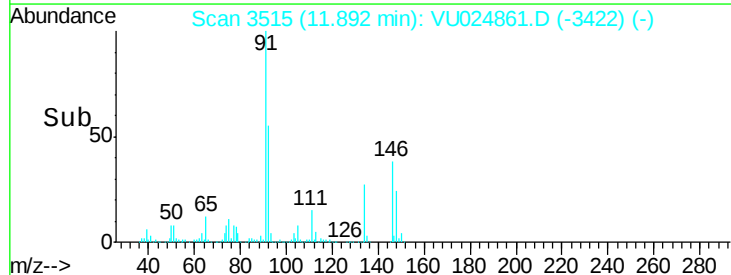
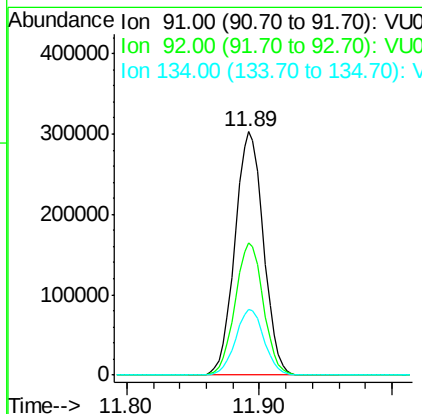
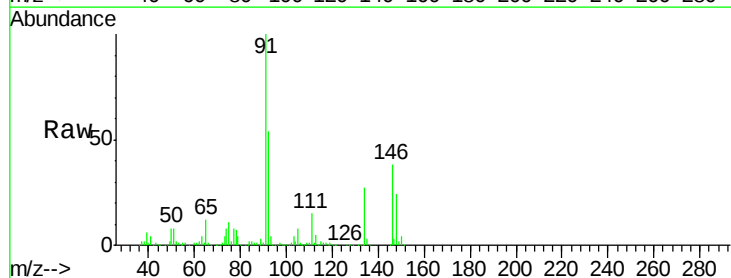
Instrument :
 MSVOA_U
 ClientSampled :

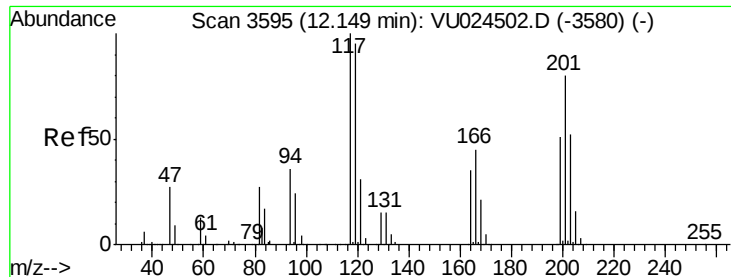
Tot Ion:146 Resp: 267425
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.5 58.5
 148 65.0 32.4 97.0



#89
 n-Butylbenzene
 Concen: 45.59 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 91 Resp: 451652
 Ion Ratio Lower Upper
 91 100
 92 53.6 25.6 76.8
 134 26.8 12.3 36.8





#90

Hexachloroethane

Concen: 44.70 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

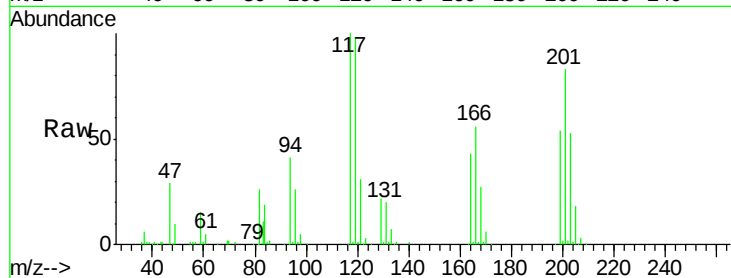
ClientSampleId :

Tot Ion:117 Resp: 97300

Ion Ratio Lower Upper

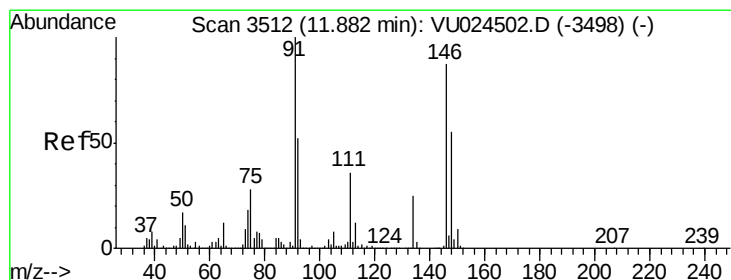
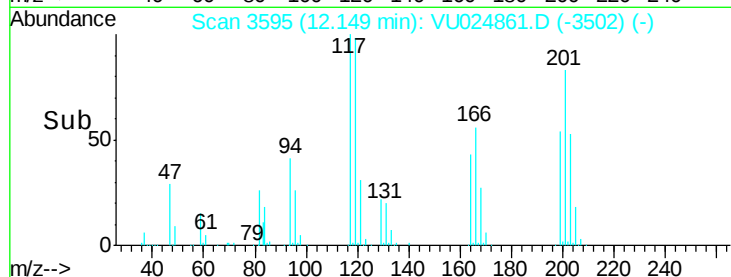
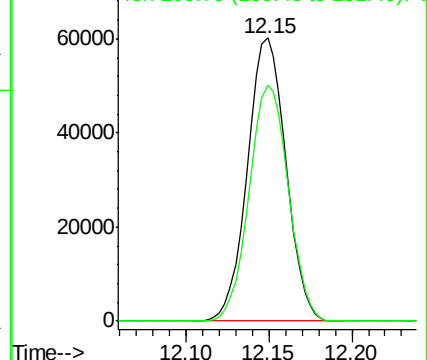
117 100

201 84.7 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.98 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

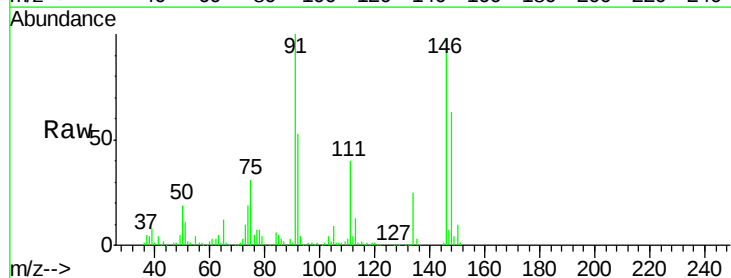
Tgt Ion:146 Resp: 279517

Ion Ratio Lower Upper

146 100

111 40.7 20.5 61.6

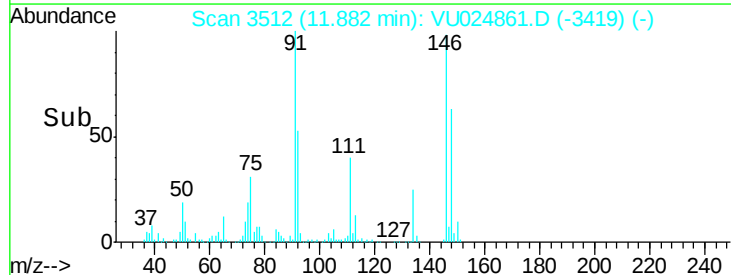
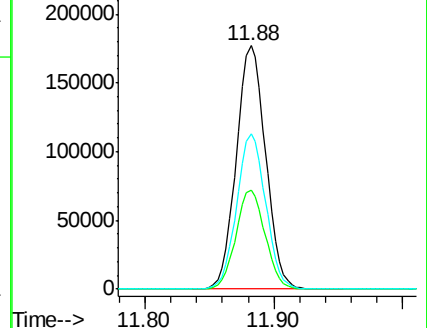
148 62.9 31.9 95.7

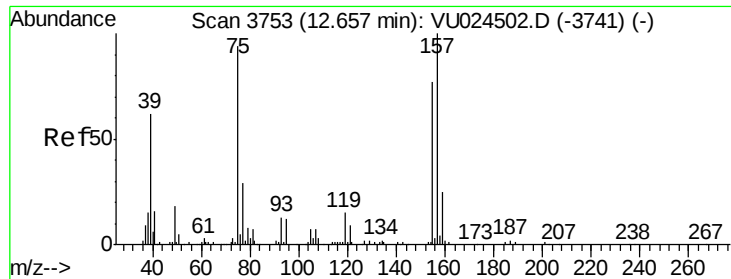


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.24 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampled :

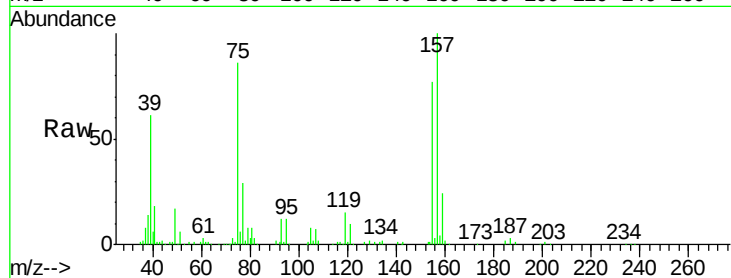
Tot Ion: 75 Resp: 55458

Ion Ratio Lower Upper

75 100

155 87.0 40.4 121.2

157 111.7 52.3 156.8

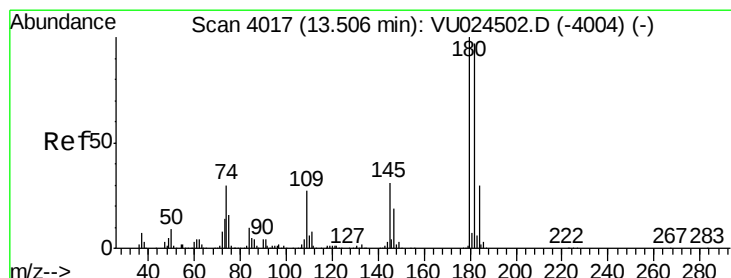
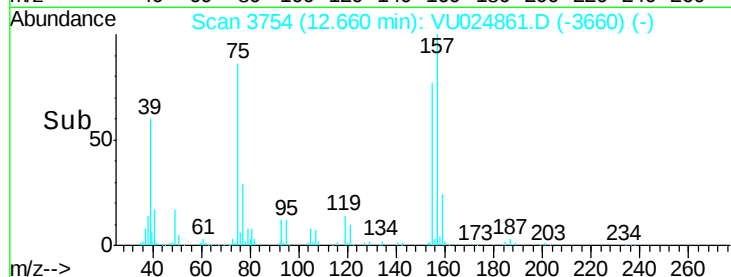


Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 55.10 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

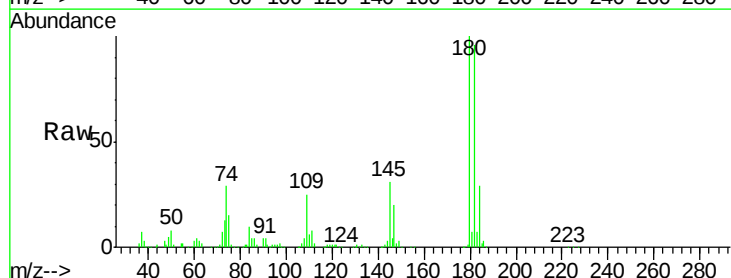
Tgt Ion: 180 Resp: 190275

Ion Ratio Lower Upper

180 100

182 96.9 48.0 144.2

145 30.4 14.7 44.1

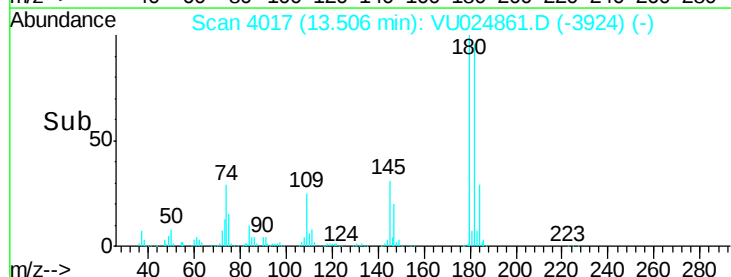


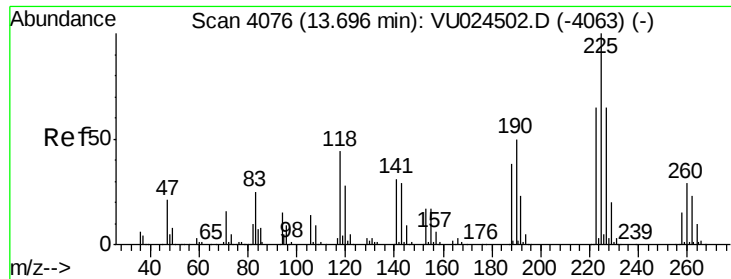
Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU024502.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU024502.D (-4004) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 49.76 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

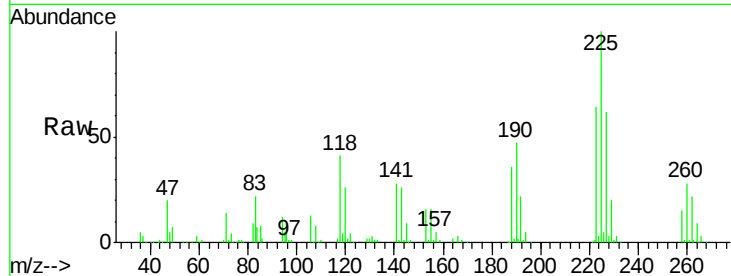
Tot Ion:225 Resp: 96721

Ion Ratio Lower Upper

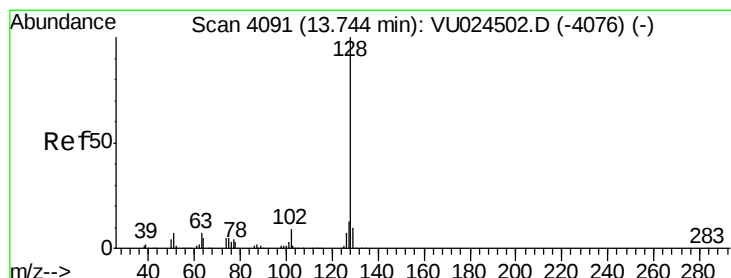
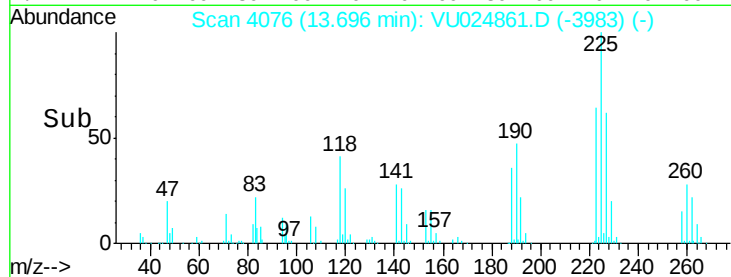
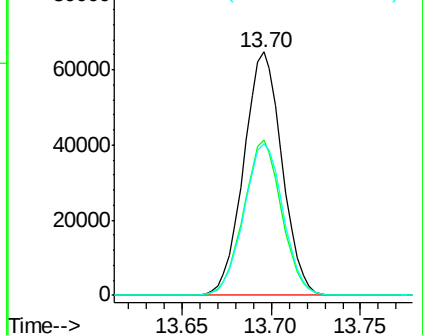
225 100

223 63.4 31.3 93.8

227 63.9 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 57.06 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

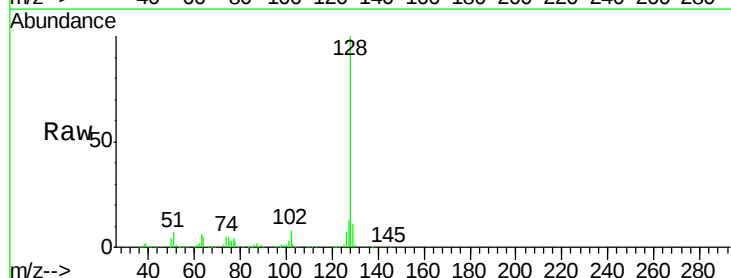
Tgt Ion:128 Resp: 653430

Ion Ratio Lower Upper

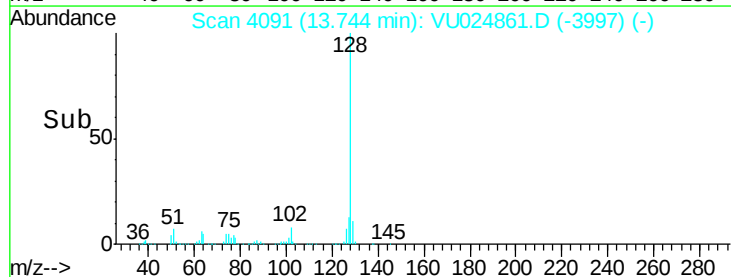
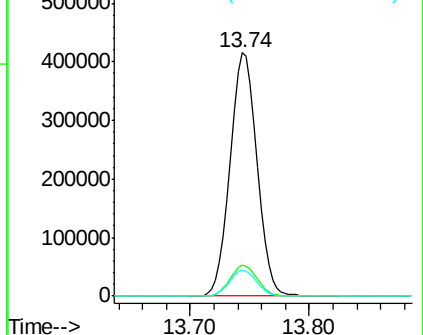
128 100

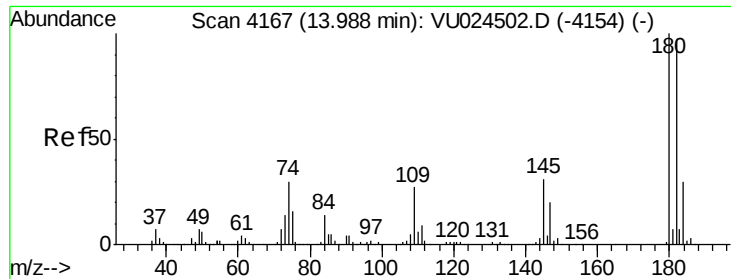
127 12.7 10.6 16.0

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

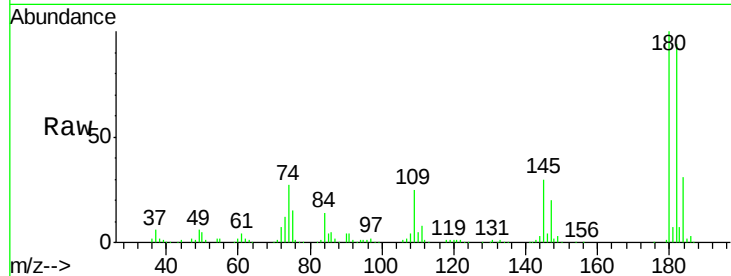




#96
 1,2,3-Trichlorobenzene
 Concen: 58.94 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	31.9	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

