

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024890.D
 Acq On : 25 Jun 2018 21:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:19:43 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	181049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	136940	46.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.66%		
35) Dibromofluoromethane	4.89	113	110482	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.20%		
50) Toluene-d8	7.57	98	387024	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.42%		
62) 4-Bromofluorobenzene	10.31	95	163263	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	94576	41.73	ug/l	99
3) Chloromethane	1.33	50	94963	41.02	ug/l	99
4) Vinyl Chloride	1.40	62	104279	43.67	ug/l	100
5) Bromomethane	1.61	94	62556	54.20	ug/l	99
6) Chloroethane	1.69	64	69517	52.15	ug/l	98
7) Trichlorofluoromethane	1.88	101	173073	47.50	ug/l	99
8) Diethyl Ether	2.10	74	64101	51.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100042	44.26	ug/l	97
10) Methyl Iodide	2.41	142	105145	54.44	ug/l	100
11) Tert butyl alcohol	2.83	59	156193	217.28	ug/l	99
12) 1,1-Dichloroethene	2.28	96	92465	44.85	ug/l	95
13) Acrolein	2.19	56	51282	135.85	ug/l	99
14) Allyl chloride	2.59	41	163243	42.65	ug/l	99
15) Acrylonitrile	2.93	53	325537	232.76	ug/l	100
16) Acetone	2.32	43	316765	199.46	ug/l	99
17) Carbon Disulfide	2.48	76	248194	37.60	ug/l	99
18) Methyl Acetate	2.62	43	177626	52.17	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	376475	48.58	ug/l	95
20) Methylene Chloride	2.70	84	117770	47.26	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	101805	44.84	ug/l	96
22) Diisopropyl ether	3.57	45	365305	48.14	ug/l	97
23) Vinyl Acetate	3.53	43	1553659	228.58	ug/l	99
24) 1,1-Dichloroethane	3.45	63	207016	47.43	ug/l	98
25) 2-Butanone	4.26	43	479433	224.75	ug/l	98
26) 2,2-Dichloropropane	4.23	77	174125	42.01	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	123214	47.20	ug/l	99
28) Bromochloromethane	4.55	49	89922	46.77	ug/l	88
29) Tetrahydrofuran	4.64	42	298551	226.01	ug/l	96
30) Chloroform	4.68	83	215126	48.69	ug/l	97
31) Cyclohexane	5.00	56	177195	45.54	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	194350	47.57	ug/l	96
36) 1,1-Dichloropropene	5.14	75	148576	45.21	ug/l	97
37) Ethyl Acetate	4.38	43	173311	48.38	ug/l	97
38) Carbon Tetrachloride	5.14	117	173444	47.99	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182507	44.50	ug/l	95
40) Benzene	5.39	78	448871	47.93	ug/l	100
41) Methacrylonitrile	4.54	41	97538	50.50	ug/l	98
42) 1,2-Dichloroethane	5.41	62	183404	51.42	ug/l	100
43) Isopropyl Acetate	5.55	43	285415	46.10	ug/l	99
44) Trichloroethene	6.19	130	125016	46.91	ug/l	93
45) 1,2-Dichloropropane	6.44	63	122800	49.15	ug/l	98
46) Dibromomethane	6.56	93	86425	49.24	ug/l	95
47) Bromodichloromethane	6.76	83	168514	48.22	ug/l	98
48) Methyl methacrylate	6.62	41	146563	48.61	ug/l	98
49) 1,4-Dioxane	6.62	88	68766	1166.29	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	939515	241.53	ug/l	99
52) Toluene	7.64	92	287579	47.73	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	183745	46.82	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	192632	46.06	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	120531	49.22	ug/l	98
56) Ethyl methacrylate	8.02	69	197801	48.26	ug/l	98
57) 1,3-Dichloropropane	8.25	76	203456	49.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	70860	45.12	ug/l	95
59) 2-Hexanone	8.36	43	753655	237.32	ug/l	100
60) Dibromochloromethane	8.48	129	143497	46.99	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132216	48.50	ug/l	100
64) Tetrachloroethene	8.23	164	116283	45.67	ug/l	98
65) Chlorobenzene	9.12	112	334734	48.92	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	128799	49.54	ug/l	98
67) Ethyl Benzene	9.25	91	575079	47.94	ug/l	97
68) m/p-Xylenes	9.38	106	453084	98.36	ug/l	97
69) o-Xylene	9.78	106	224479	49.24	ug/l	97
70) Styrene	9.80	104	372545	49.73	ug/l	99
71) Bromoform	9.96	173	113710	46.02	ug/l #	99
73) Isopropylbenzene	10.17	105	611293	47.84	ug/l	99
74) N-amyl acetate	10.01	43	275037	45.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	207241	48.40	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	246244	67.20	ug/l	84
77) Bromobenzene	10.45	156	154719	47.83	ug/l	96
78) n-propylbenzene	10.59	91	691916	45.97	ug/l	97
79) 2-Chlorotoluene	10.66	91	417366	47.02	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	529851	47.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	246244	155.54	ug/l #	100
82) 4-Chlorotoluene	10.78	91	490681	47.50	ug/l	100
83) tert-Butylbenzene	11.10	119	528907	49.65	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	541957	48.02	ug/l	99
85) sec-Butylbenzene	11.33	105	638262	47.86	ug/l	97
86) p-Isopropyltoluene	11.48	119	572066	47.90	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	290820	48.66	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	291307	48.43	ug/l	99
89) n-Butylbenzene	11.89	91	474427	44.74	ug/l	97
90) Hexachloroethane	12.15	117	103054	44.23	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	301649	50.39	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56163	47.54	ug/l	92

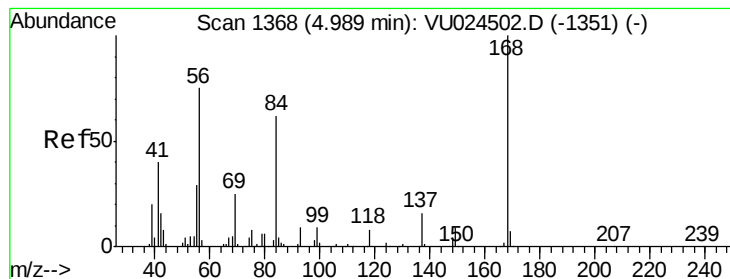
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	199486	53.97	ug/l	100
94) Hexachlorobutadiene	13.70	225	102802	49.41	ug/l	99
95) Naphthalene	13.74	128	655094	53.48	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	210333	57.10	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

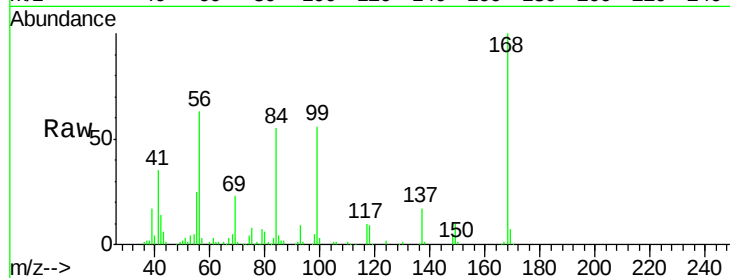
ClientSampled :

Tot Ion:168 Resp: 181049

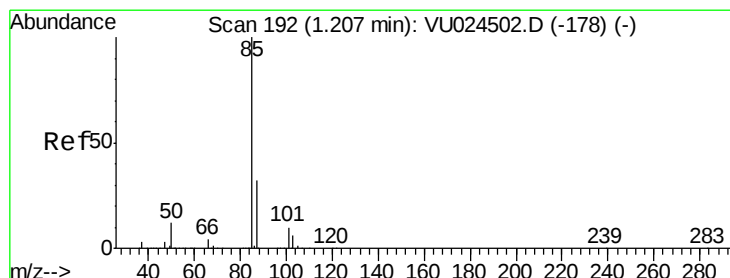
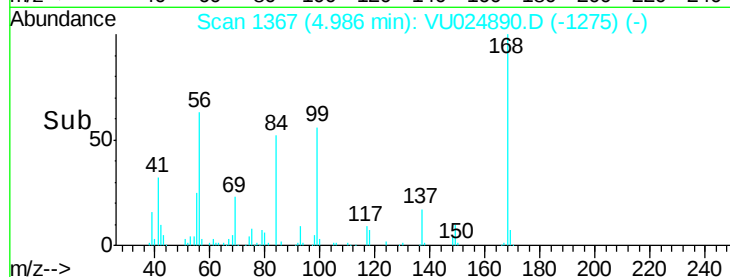
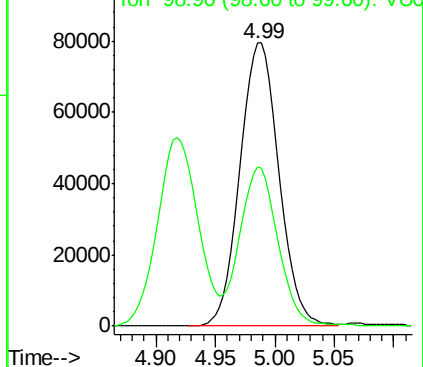
Ion Ratio Lower Upper

168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024890.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 41.73 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024890.D

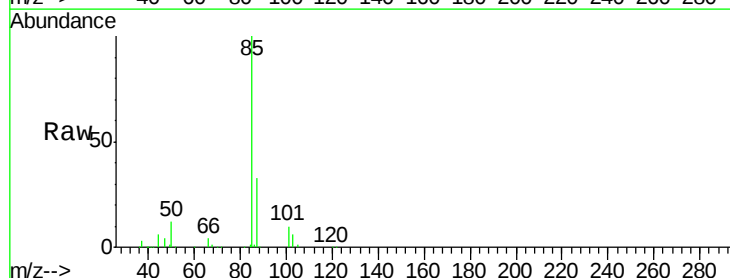
Acq: 25 Jun 2018 21:23

Tgt Ion: 85 Resp: 94576

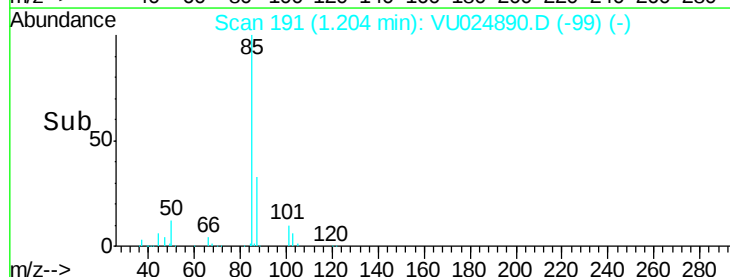
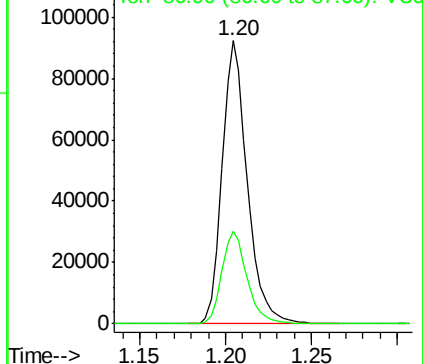
Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024890.D (-99) (-)

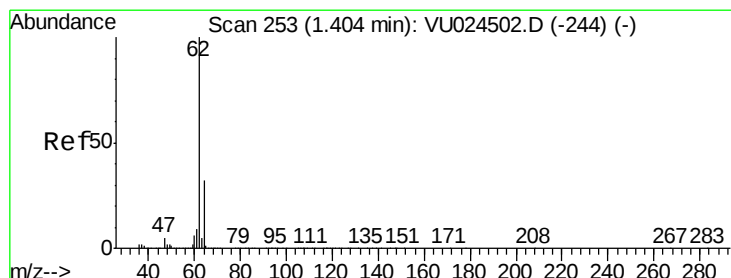
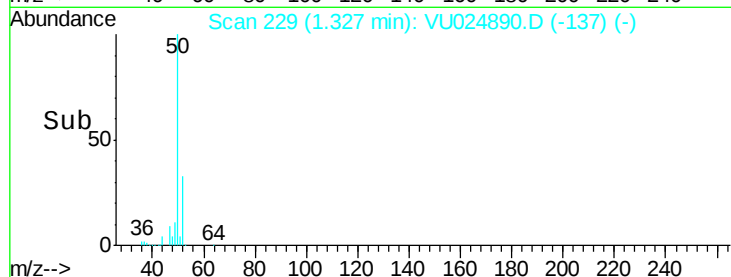
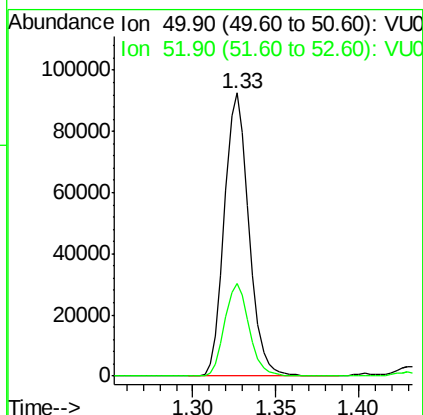
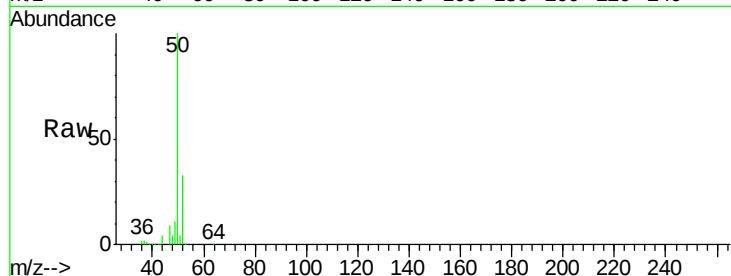




#3
Chloromethane
Concen: 41.02 ug/l
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

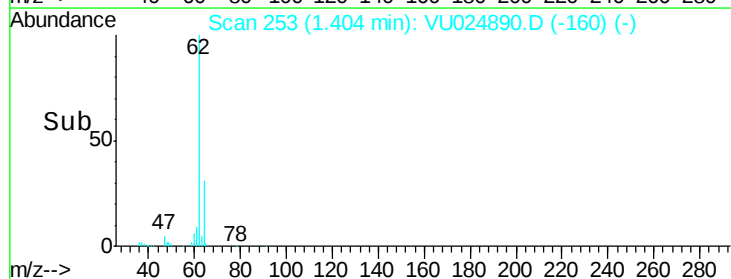
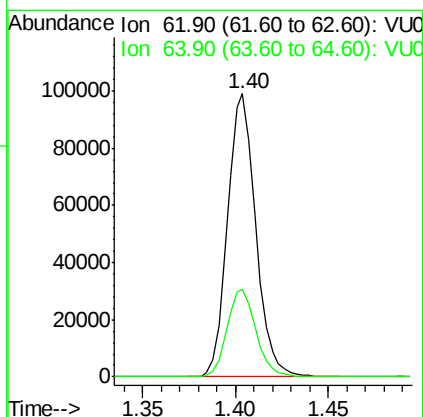
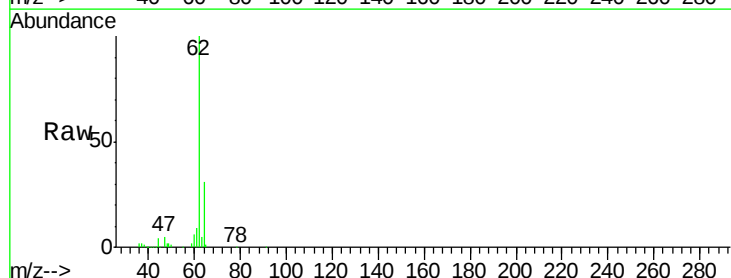
Instrument :
MSVOA_U
ClientSampleId :

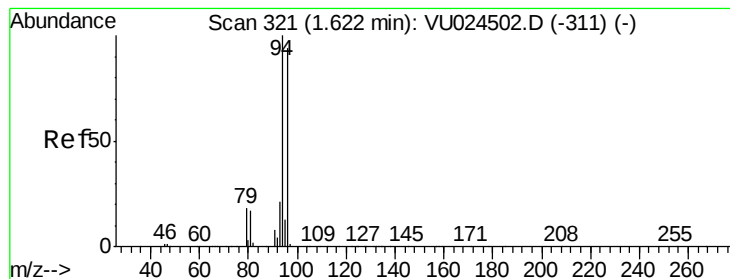
Tot Ion: 50 Resp: 94963
Ion Ratio Lower Upper
50 100
52 32.6 26.4 39.6



#4
Vinyl Chloride
Concen: 43.67 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 62 Resp: 104279
Ion Ratio Lower Upper
62 100
64 31.0 24.8 37.2





#5

Bromomethane

Concen: 54.20 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

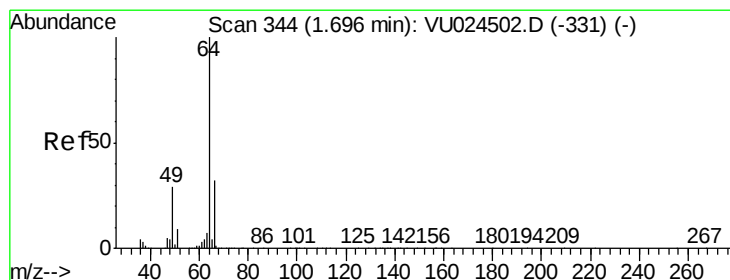
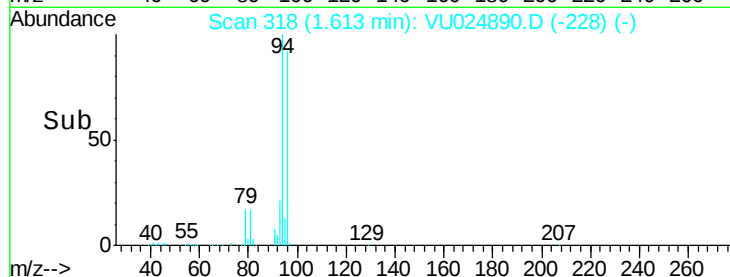
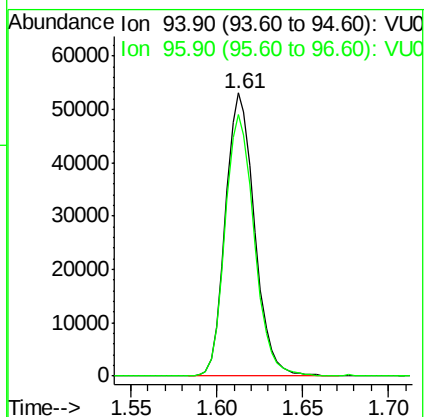
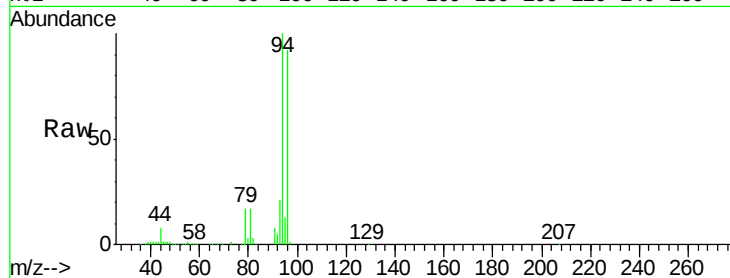
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 62556

Ion Ratio Lower Upper

94 100

96 92.3 74.5 111.7



#6

Chloroethane

Concen: 52.15 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024890.D

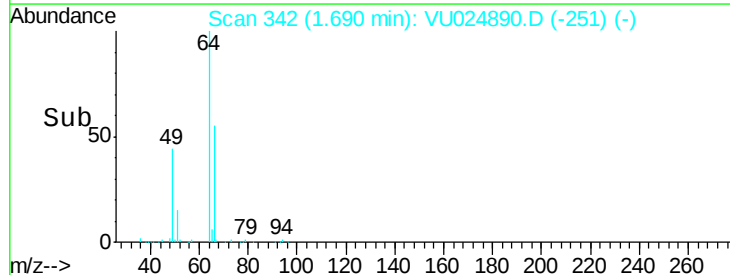
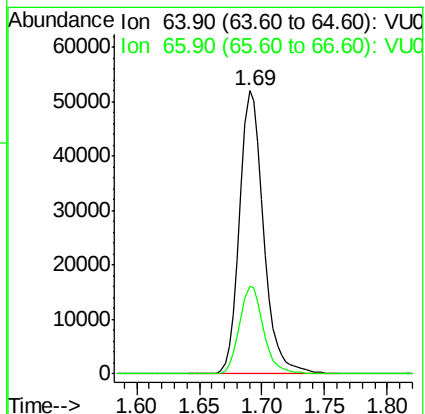
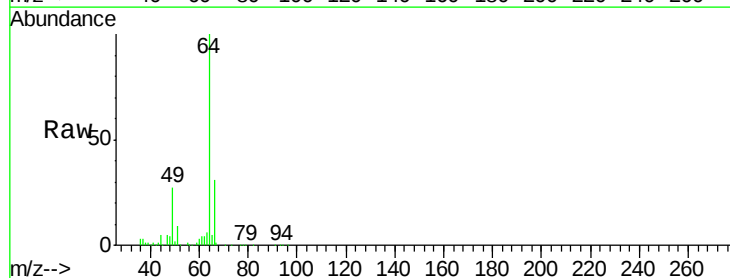
Acq: 25 Jun 2018 21:23

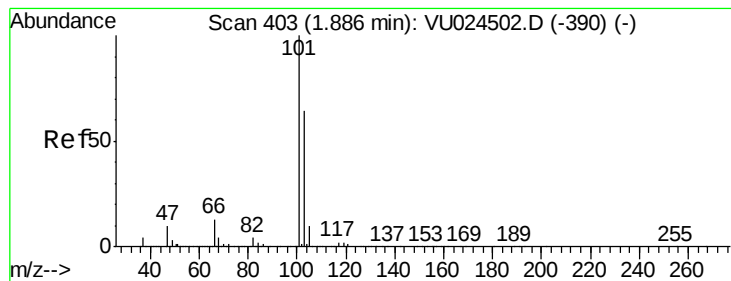
Tgt Ion: 64 Resp: 69517

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3





#7

Trichlorofluoromethane

Concen: 47.50 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

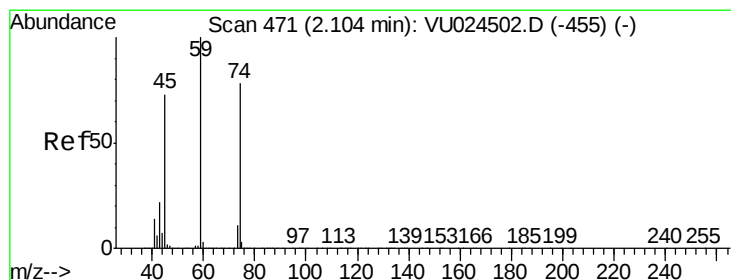
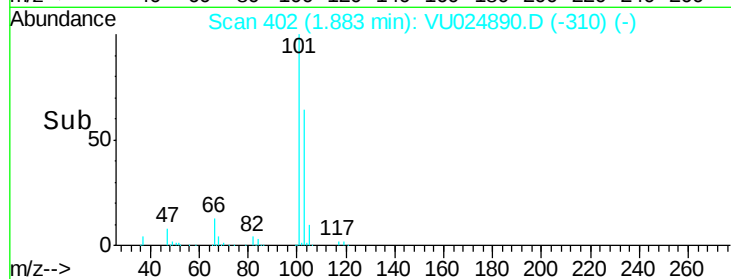
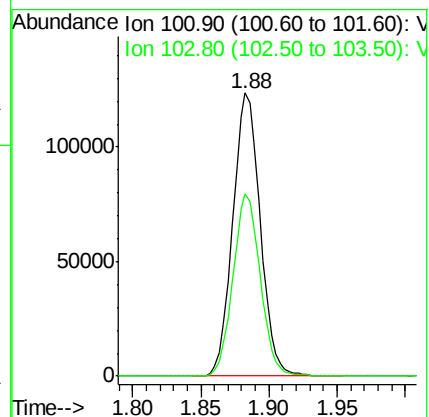
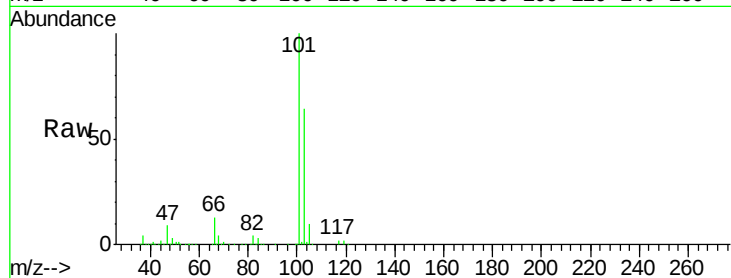
ClientSampleId :

Tot Ion:101 Resp: 173073

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5



#8

Diethyl Ether

Concen: 51.76 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024890.D

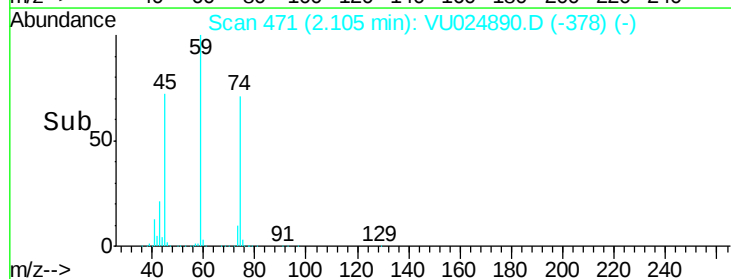
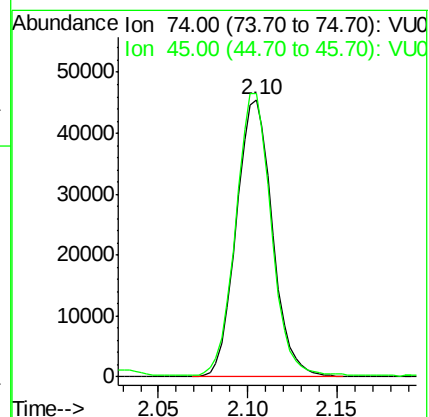
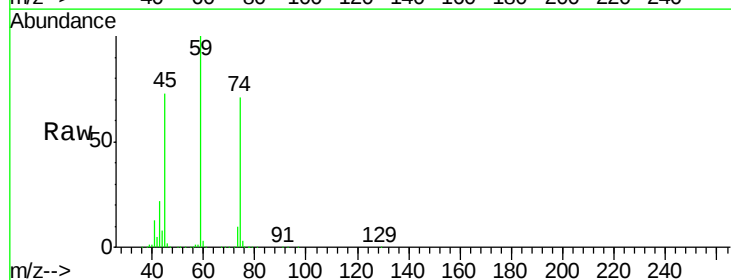
Acq: 25 Jun 2018 21:23

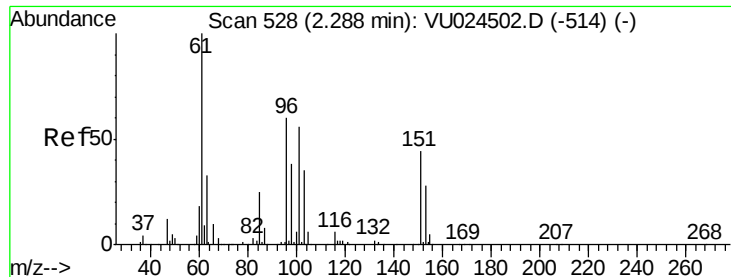
Tgt Ion: 74 Resp: 64101

Ion Ratio Lower Upper

74 100

45 101.1 55.0 165.0

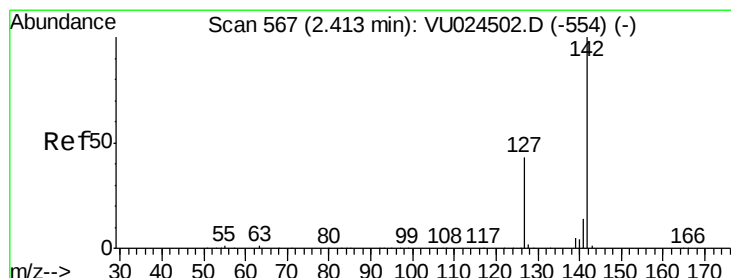
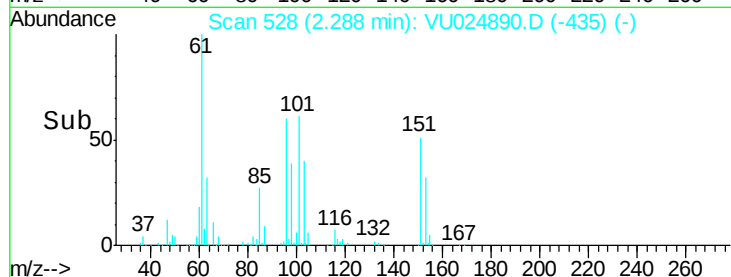
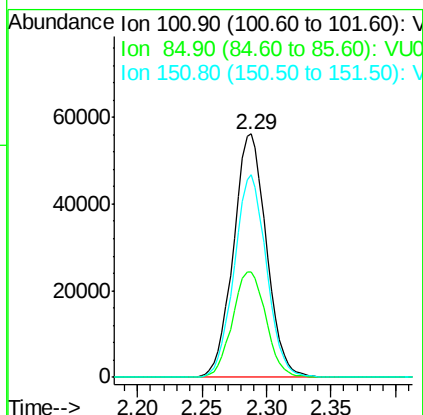
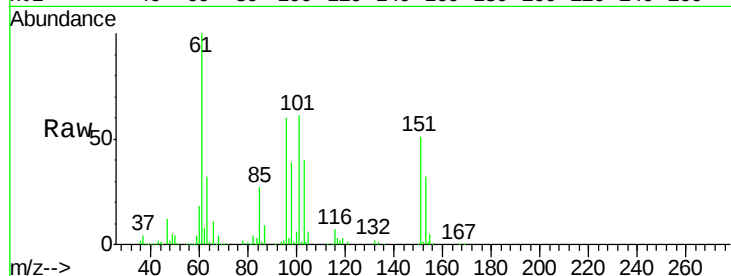




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.26 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

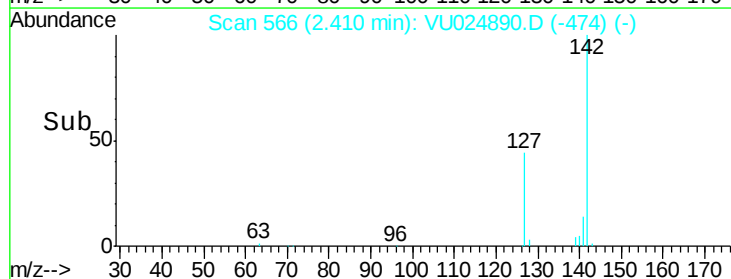
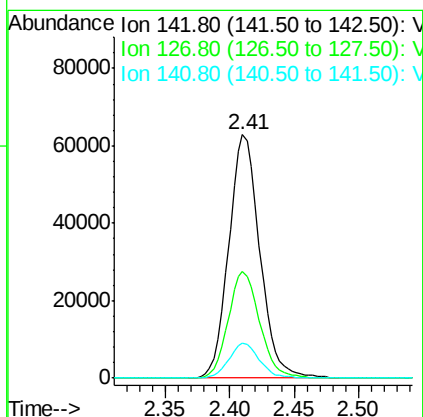
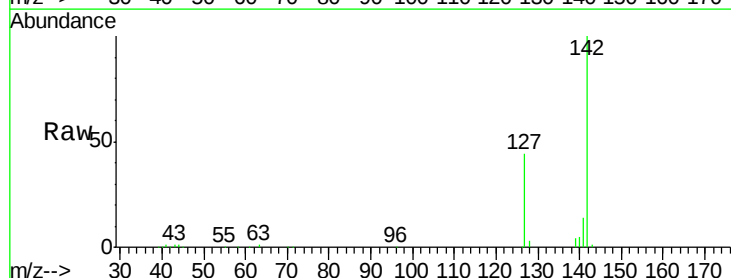
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.0	54.0
151	81.7	62.3	93.5



#10
 Methyl Iodide
 Concen: 54.44 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.6	53.4
141	14.0	11.7	17.5



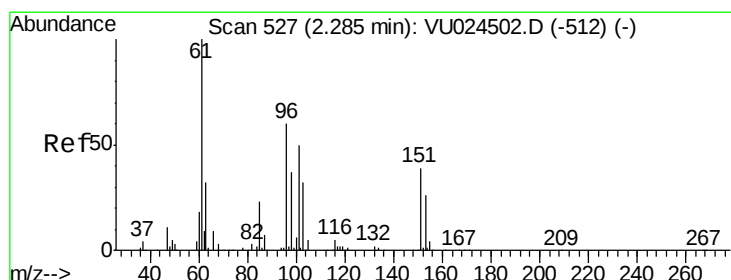
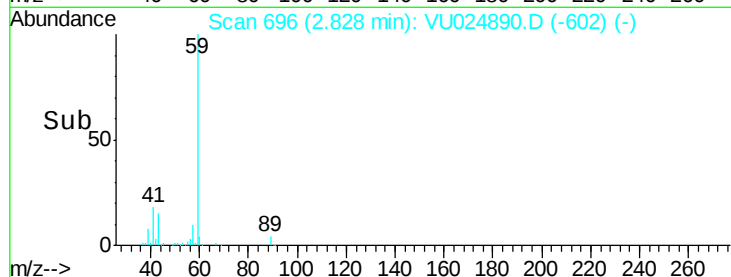
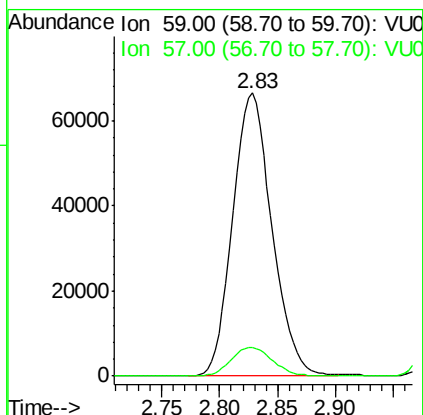
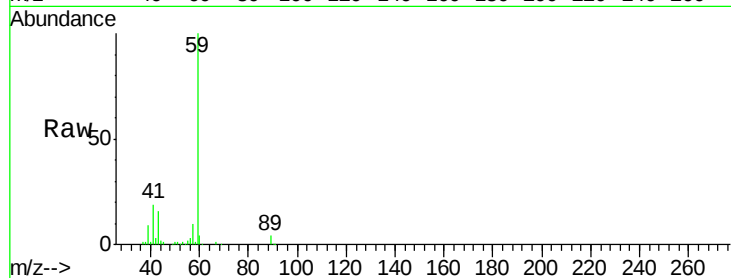


#11

Tert butyl alcohol
Concen: 217.28 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampled :

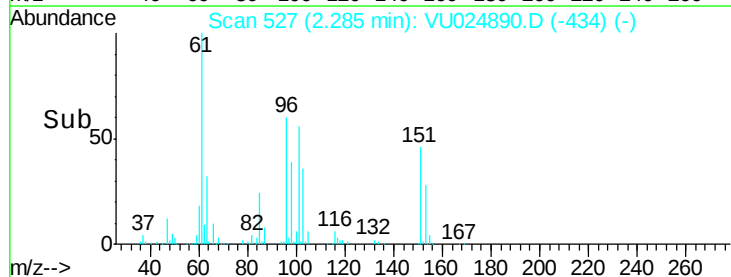
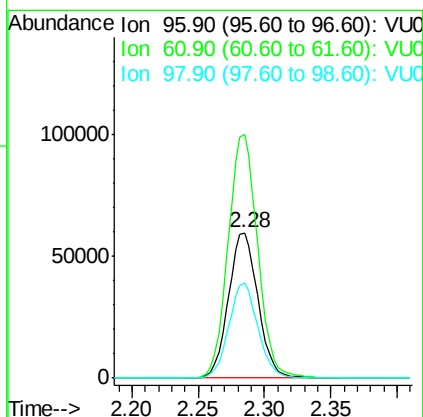
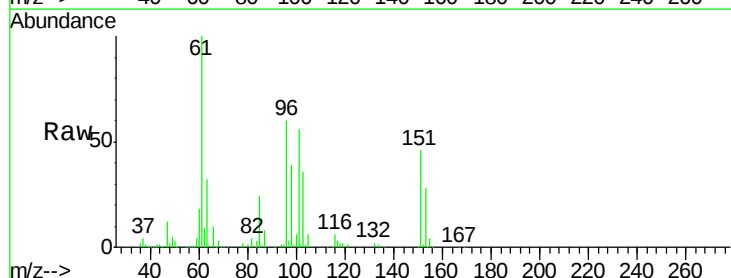
Tot Ion: 59 Resp: 156193
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7

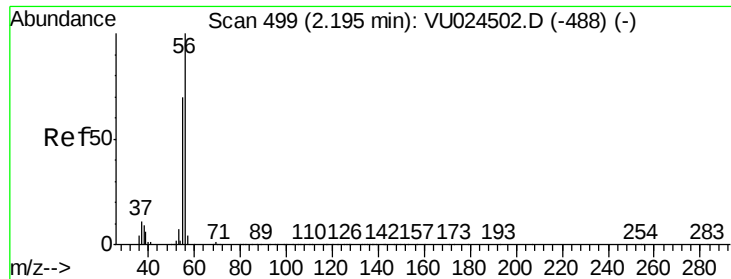


#12

1,1-Dichloroethene
Concen: 44.85 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 96 Resp: 92465
Ion Ratio Lower Upper
96 100
61 167.5 141.7 212.5
98 65.5 51.6 77.4





#13

Acrolein

Concen: 135.85 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

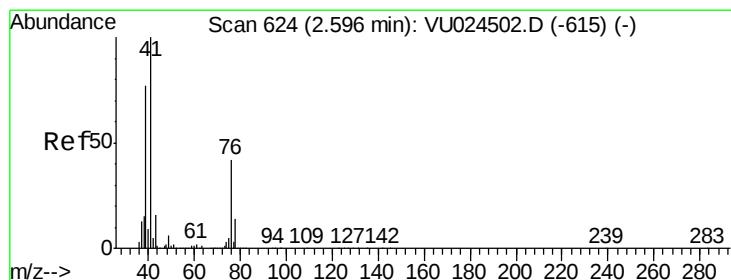
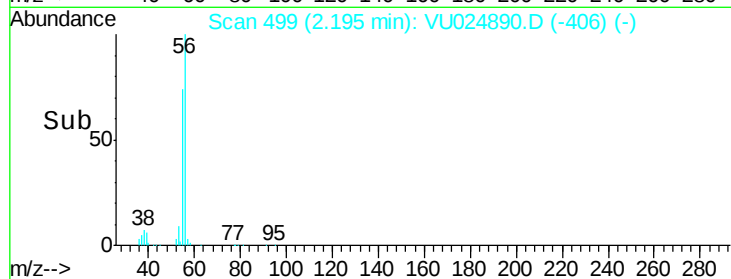
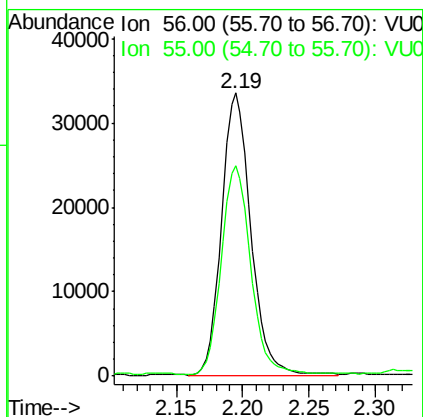
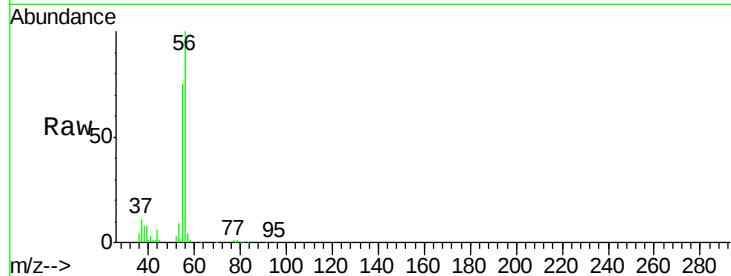
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 51282

Ion Ratio Lower Upper

56 100

55 73.4 58.4 87.6



#14

Allyl chloride

Concen: 42.65 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

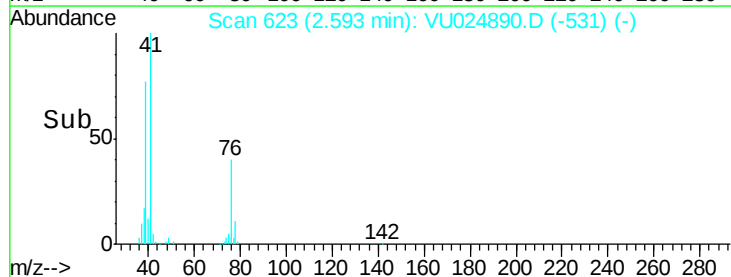
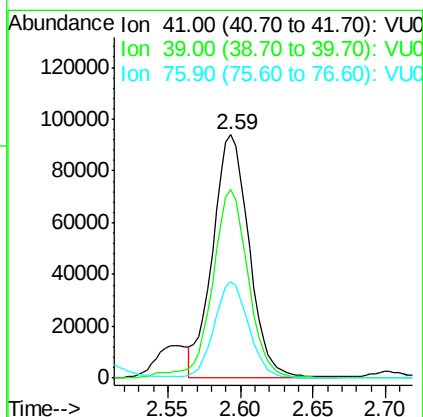
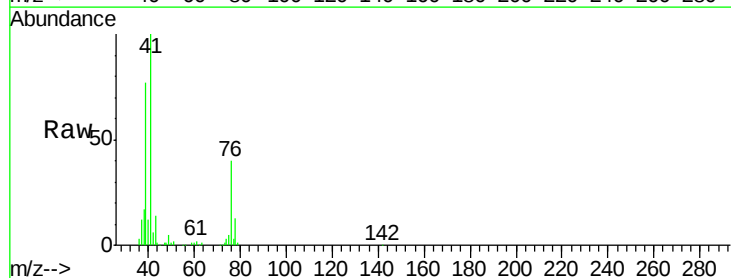
Tgt Ion: 41 Resp: 163243

Ion Ratio Lower Upper

41 100

39 76.2 61.6 92.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 232.76 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

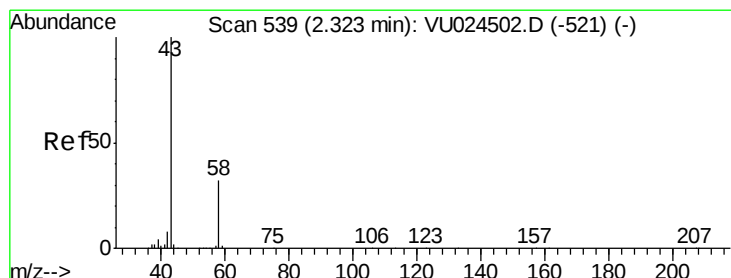
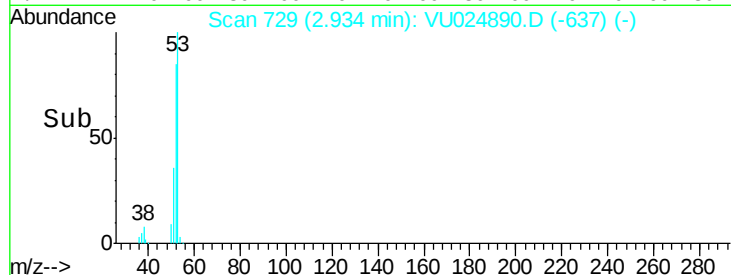
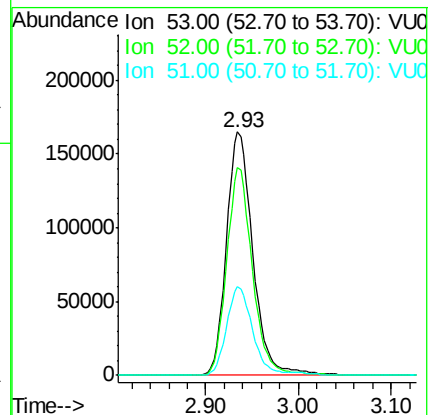
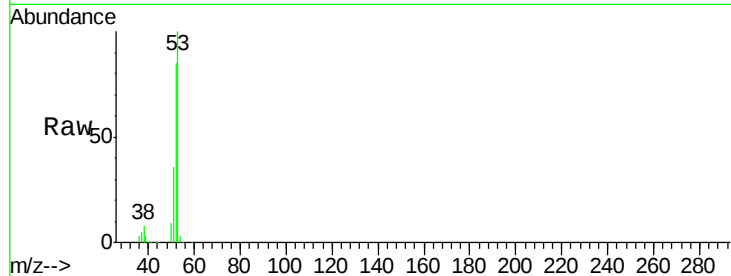
Tot Ion: 53 Resp: 325537

Ion Ratio Lower Upper

53 100

52 83.4 67.1 100.7

51 35.7 28.4 42.6



#16

Acetone

Concen: 199.46 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024890.D

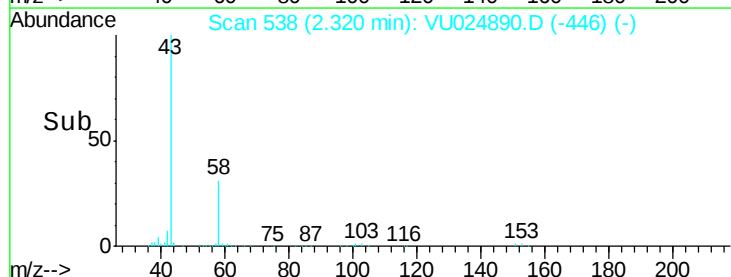
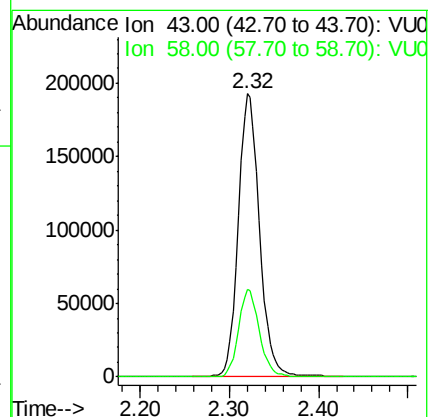
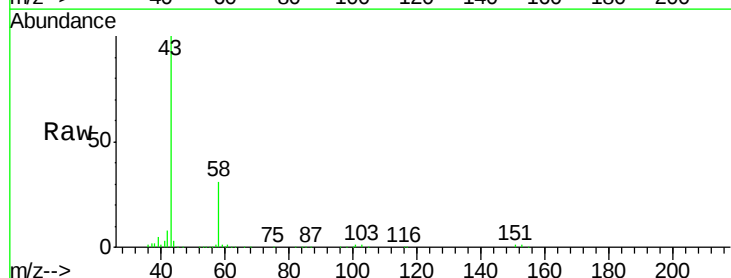
Acq: 25 Jun 2018 21:23

Tgt Ion: 43 Resp: 316765

Ion Ratio Lower Upper

43 100

58 30.9 24.4 36.6





#17

Carbon Disulfide

Concen: 37.60 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

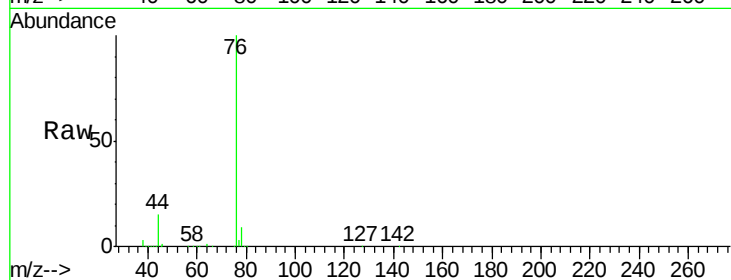
ClientSampleId :

Tot Ion: 76 Resp: 248194

Ion Ratio Lower Upper

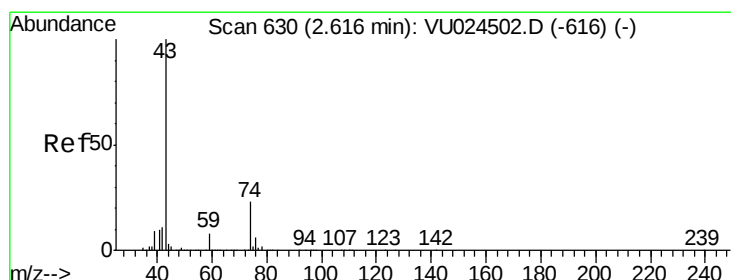
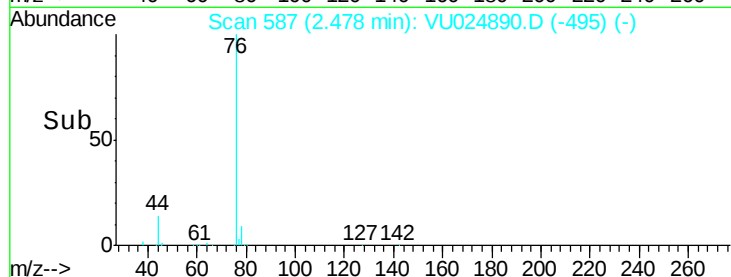
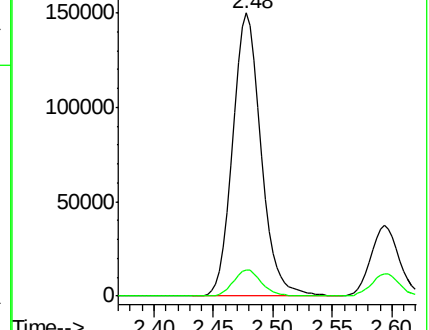
76 100

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



#18

Methyl Acetate

Concen: 52.17 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024890.D

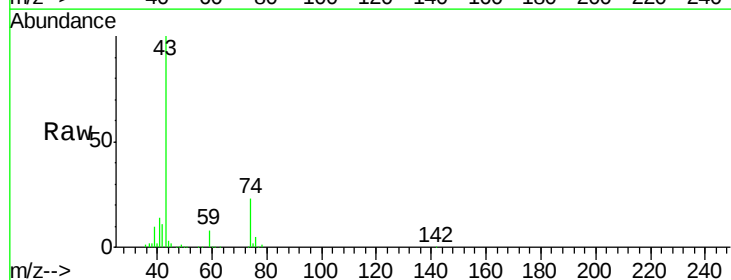
Acq: 25 Jun 2018 21:23

Tgt Ion: 43 Resp: 177626

Ion Ratio Lower Upper

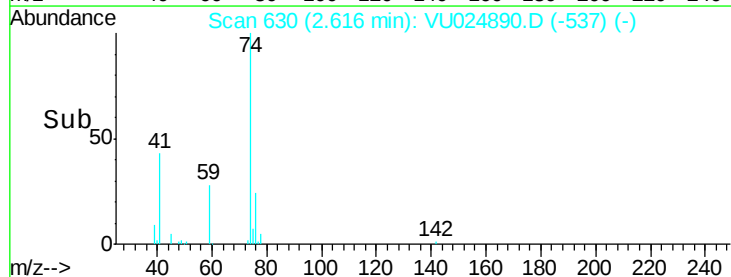
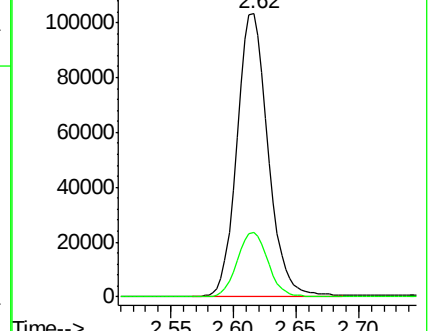
43 100

74 22.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



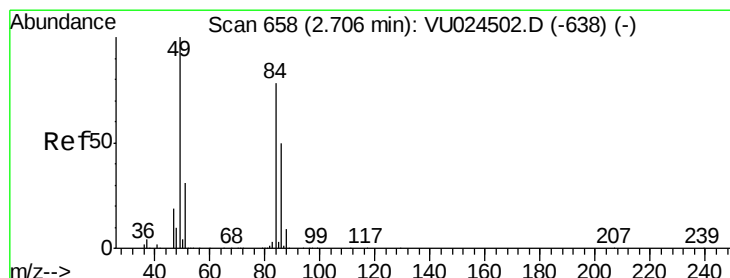
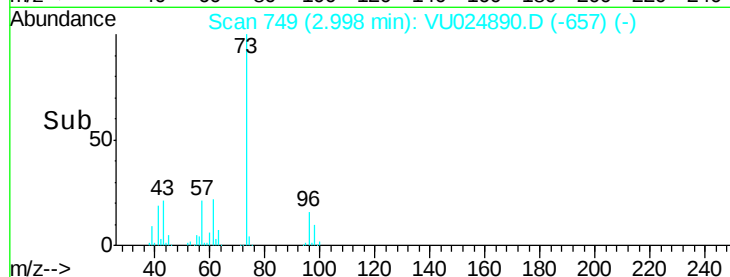
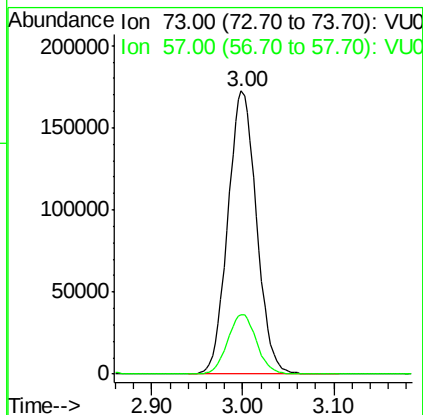
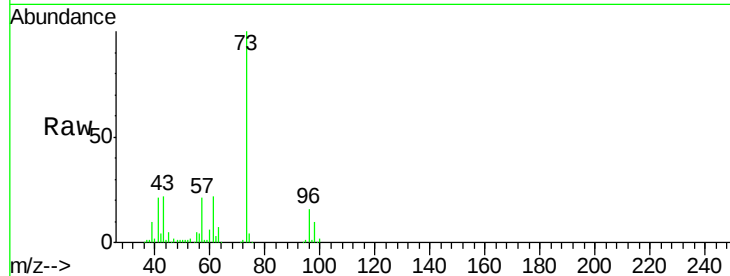


#19

Methyl tert-butyl Ether
 Concen: 48.58 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Instrument :
 MSVOA_U
 ClientSampleId :

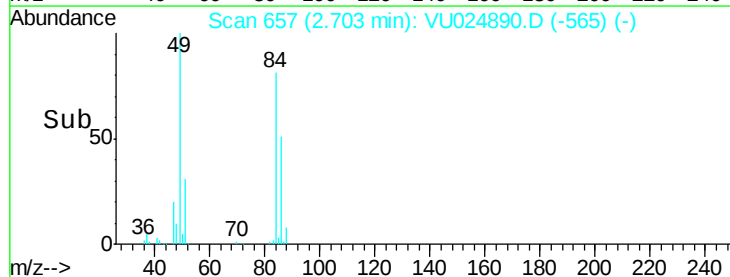
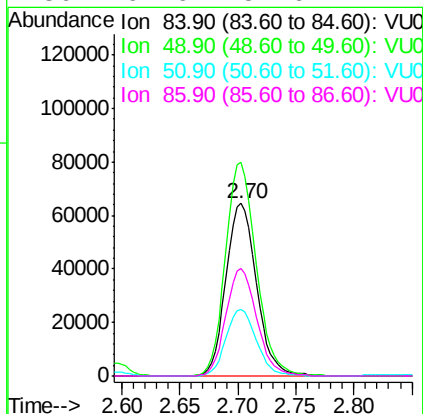
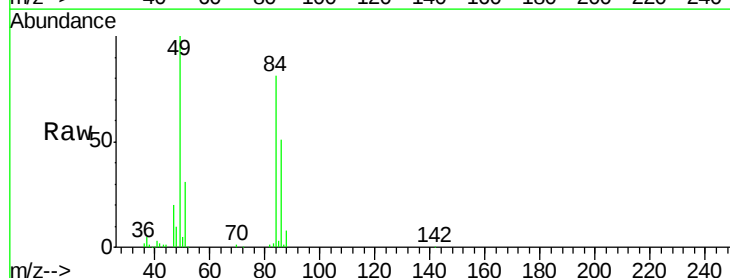
Tot Ion: 73 Resp: 376475
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.8 28.2



#20

Methylene Chloride
 Concen: 47.26 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion: 84 Resp: 117770
 Ion Ratio Lower Upper
 84 100
 49 123.9 103.8 155.8
 51 38.8 32.0 48.0
 86 62.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 44.84 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

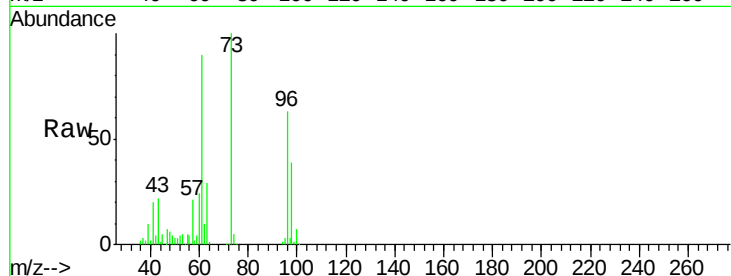
Tot Ion: 96 Resp: 101805

Ion Ratio Lower Upper

96 100

61 144.2 119.4 179.0

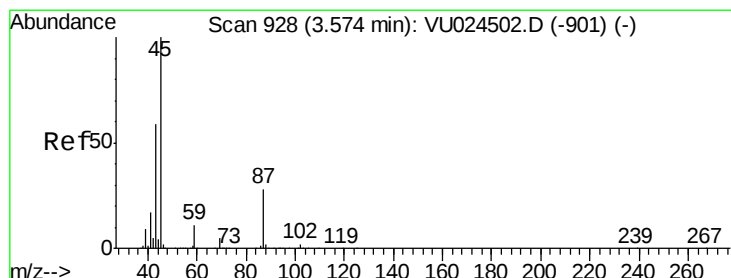
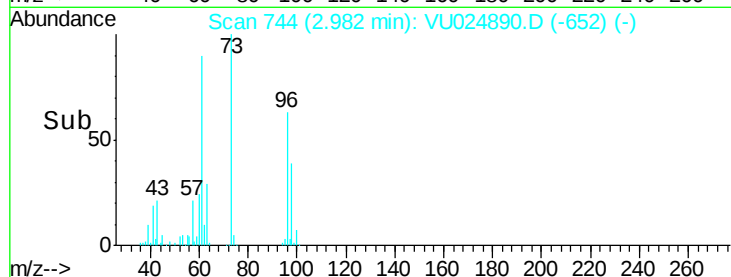
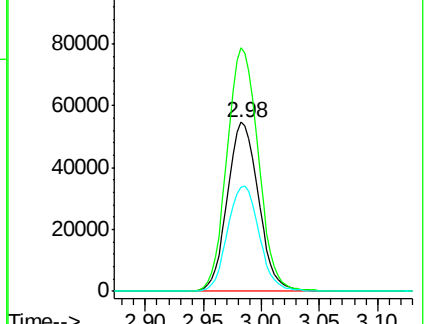
98 61.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024890.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU024890.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU024890.D (-652) (-)



#22

Diisopropyl ether

Concen: 48.14 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Tgt Ion: 45 Resp: 365305

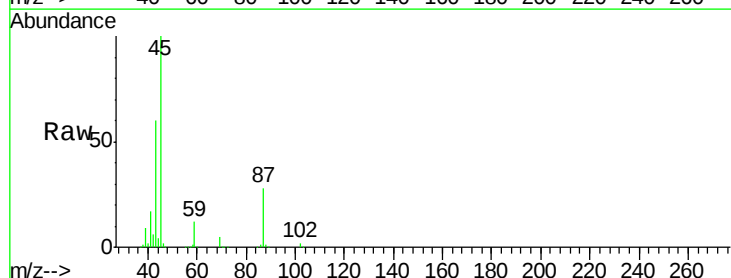
Ion Ratio Lower Upper

45 100

43 59.5 45.8 68.6

87 28.0 20.6 31.0

59 11.6 9.4 14.0

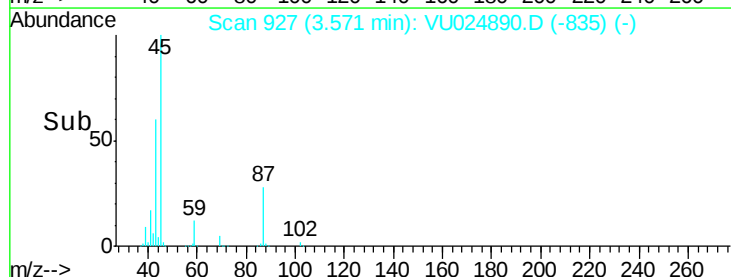
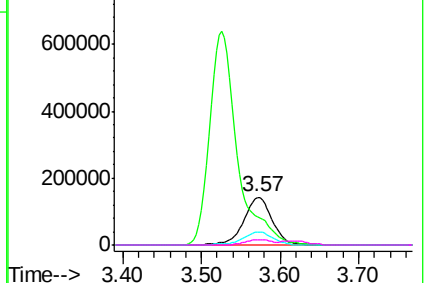


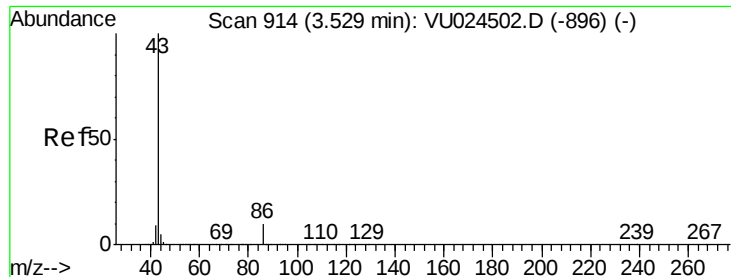
Abundance Ion 45.00 (44.70 to 45.70): VU024890.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU024890.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU024890.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU024890.D (-835) (-)





#23

Vinyl Acetate

Concen: 228.58 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

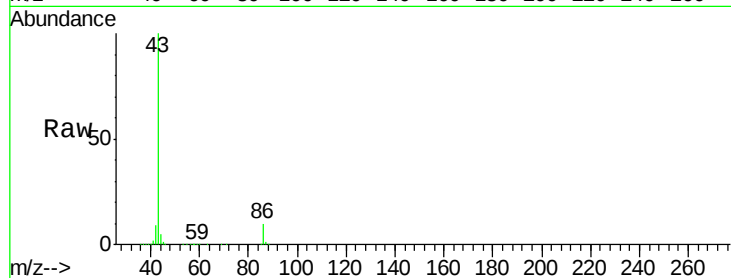
Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampleId :

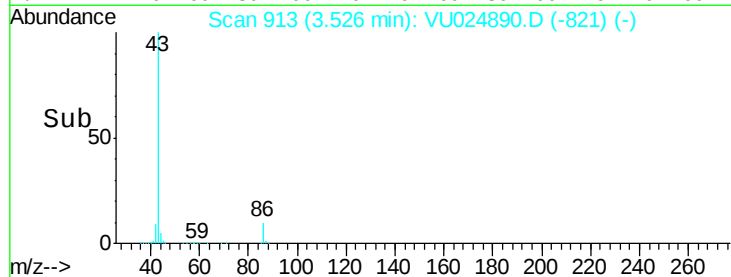
Tot Ion: 43 Resp: 1553659

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8



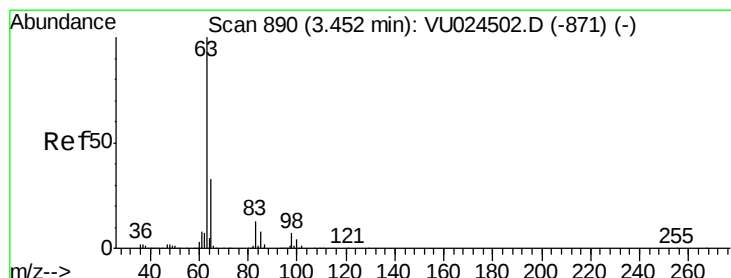
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 47.43 ug/l

RT: 3.45 min Scan# 889

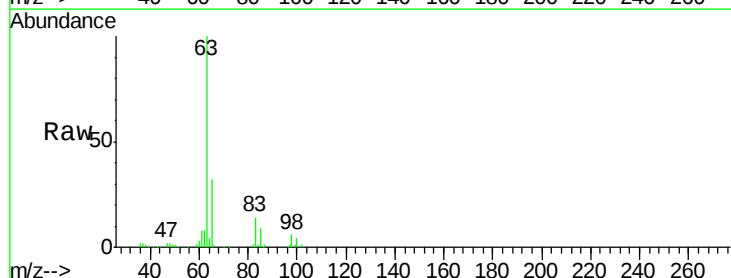
Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Tgt Ion: 63 Resp: 207016

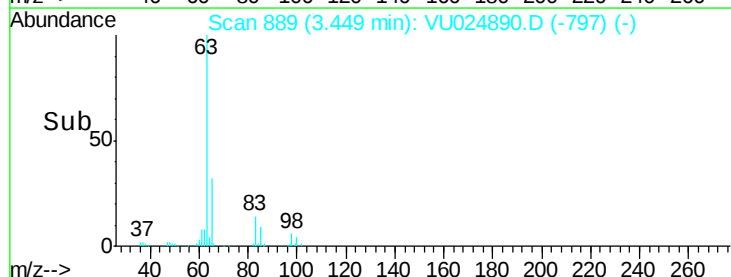
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.4
100	4.3	1.8	5.5



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



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

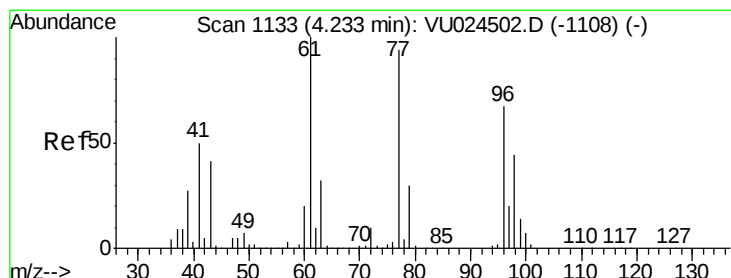
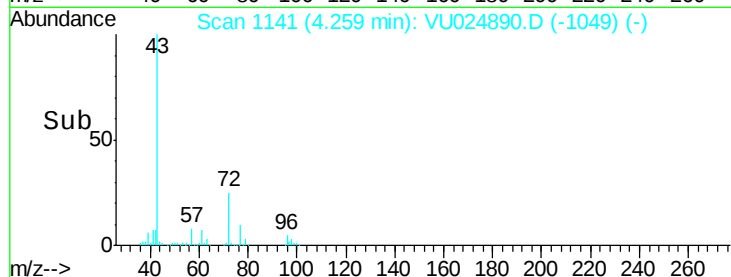
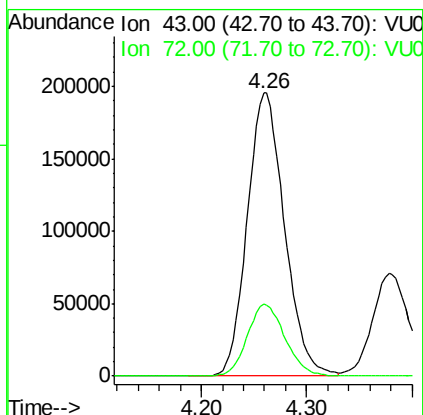
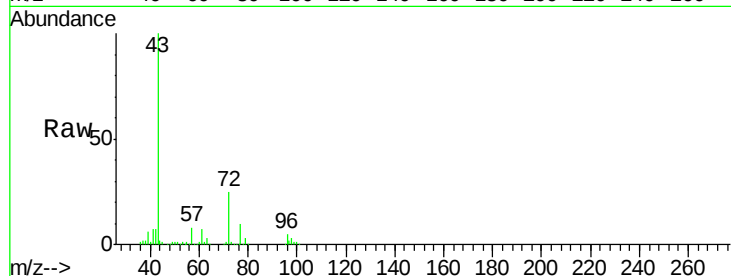
Ion 99.90 (99.60 to 100.60): VU0



#25
2-Butanone
Concen: 224.75 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

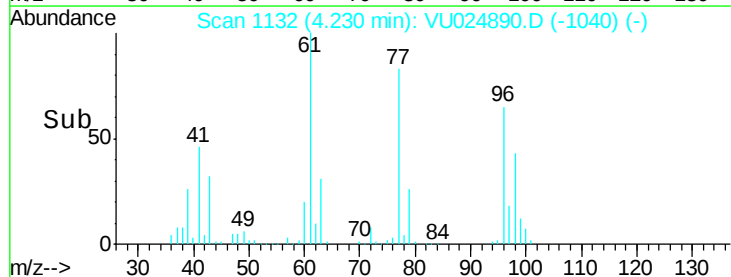
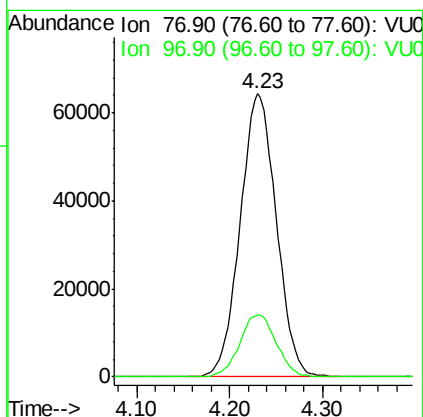
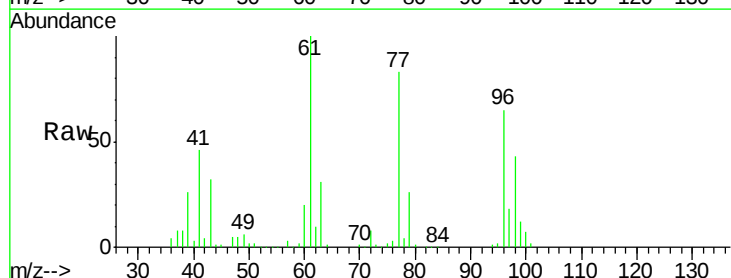
Instrument :
MSVOA_U
ClientSampleId :

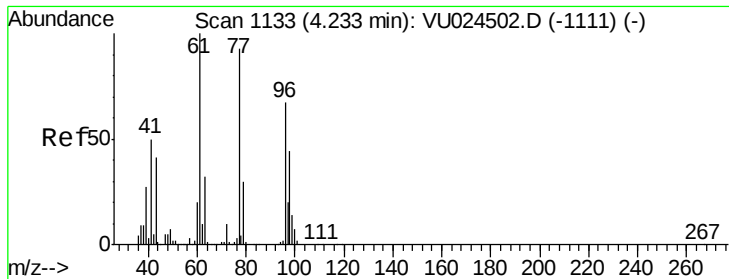
Tot Ion: 43 Resp: 479433
Ion Ratio Lower Upper
43 100
72 25.4 19.6 29.4



#26
2,2-Dichloropropane
Concen: 42.01 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 77 Resp: 174125
Ion Ratio Lower Upper
77 100
97 22.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.20 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampled :

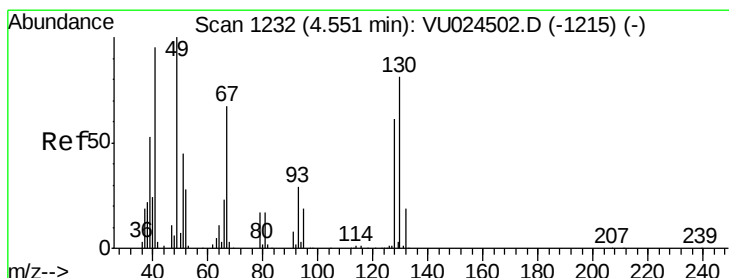
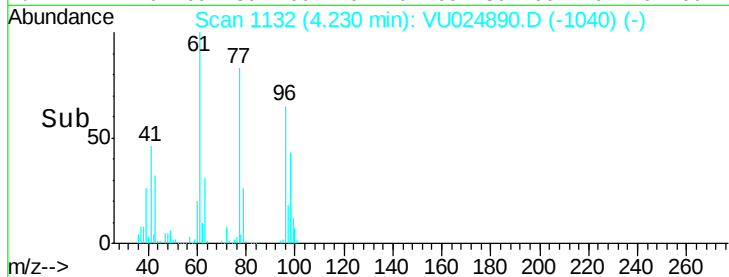
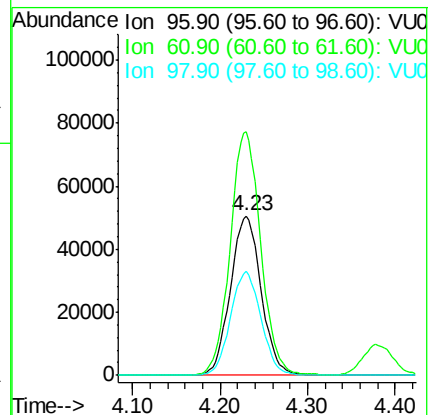
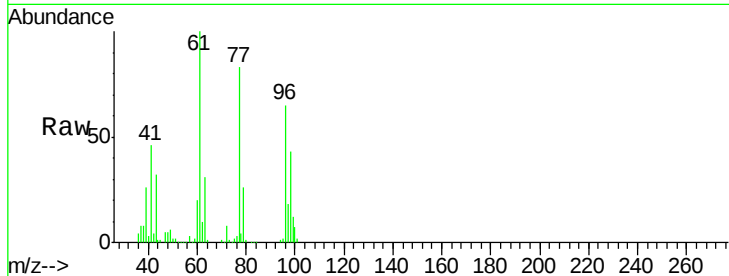
Tot Ion: 96 Resp: 123214

Ion Ratio Lower Upper

96 100

61 151.5 0.0 306.6

98 64.7 0.0 128.8



#28

Bromochloromethane

Concen: 46.77 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

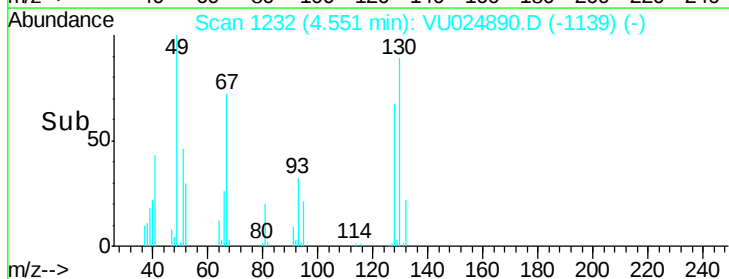
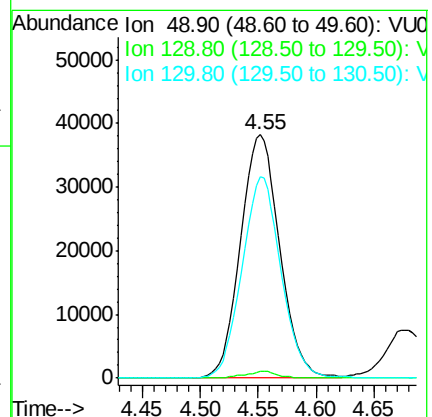
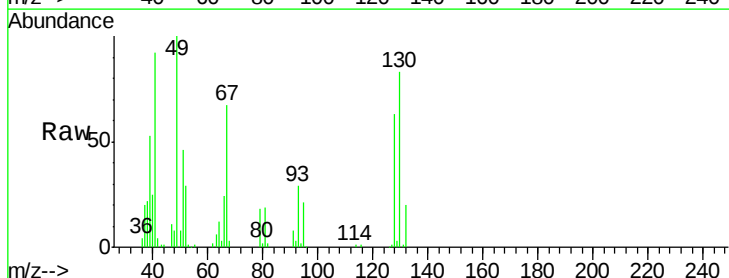
Tgt Ion: 49 Resp: 89922

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 82.4 57.8 86.6

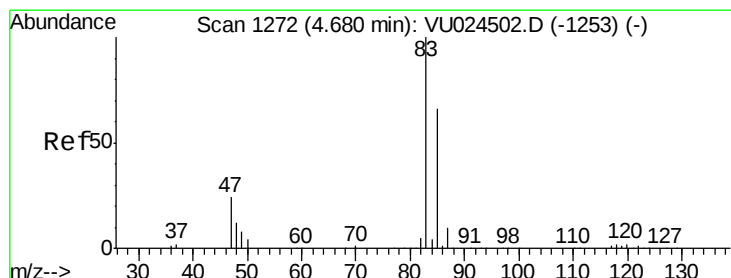
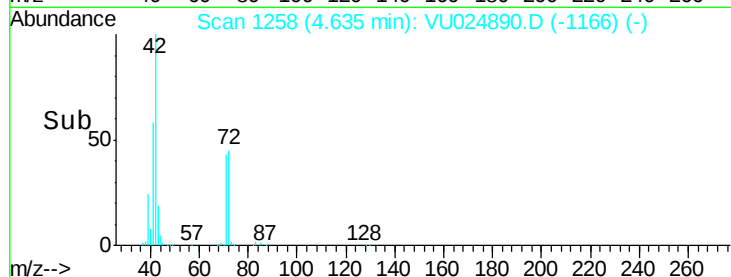
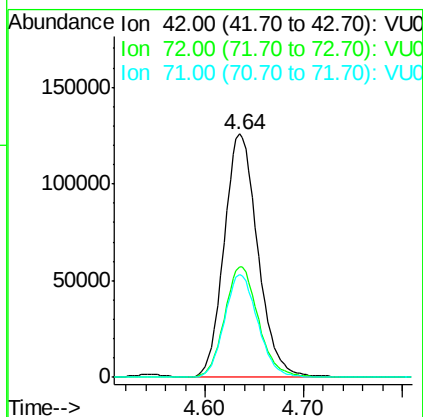
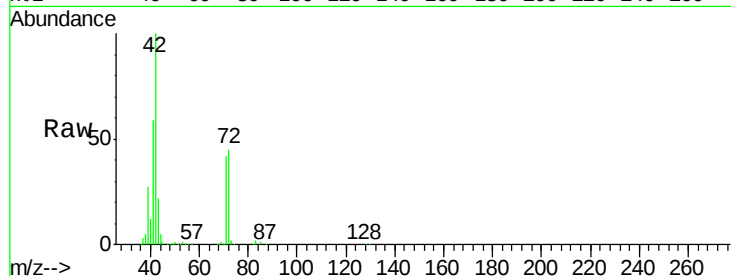




#29
Tetrahydrofuran
Concen: 226.01 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

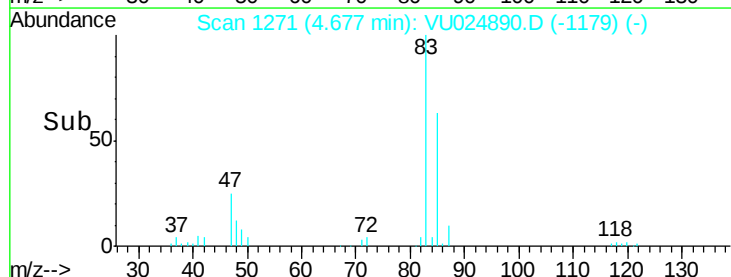
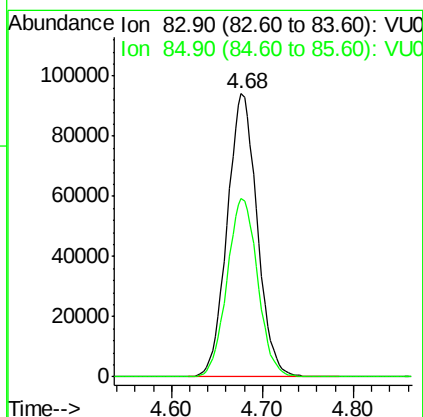
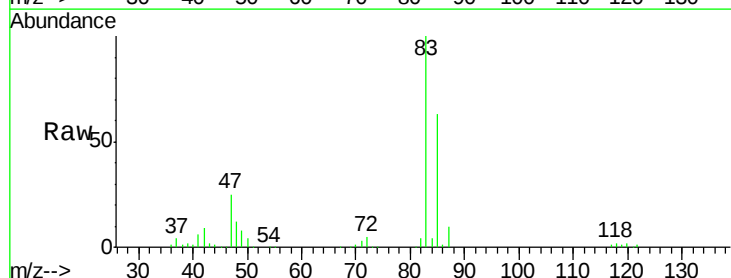
Instrument :
MSVOA_U
ClientSampleId :

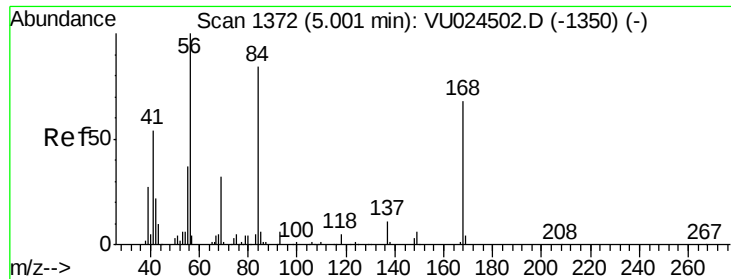
Tot Ion: 42 Resp: 298551
Ion Ratio Lower Upper
42 100
72 45.9 34.5 51.7
71 42.1 32.2 48.4



#30
Chloroform
Concen: 48.69 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 83 Resp: 215126
Ion Ratio Lower Upper
83 100
85 63.1 52.4 78.6

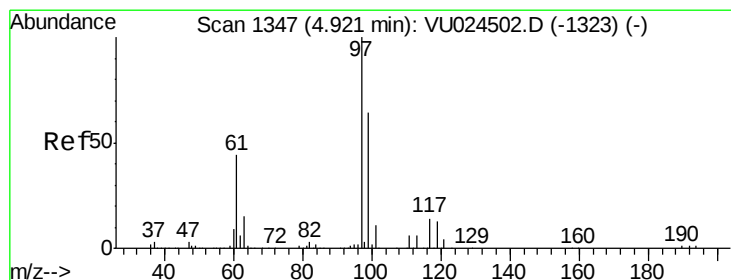
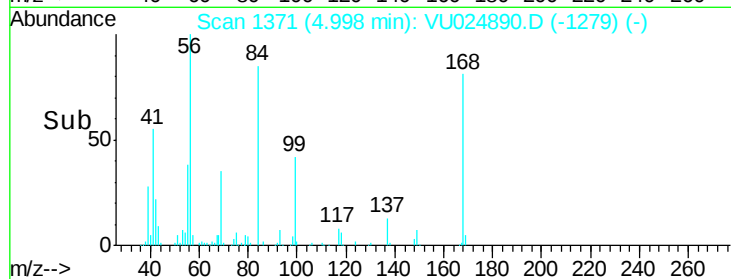
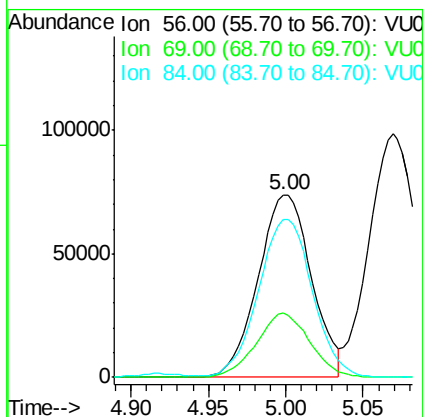
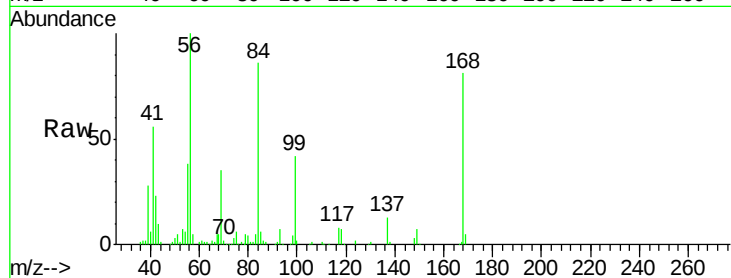




#31
Cyclohexane
Concen: 45.54 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

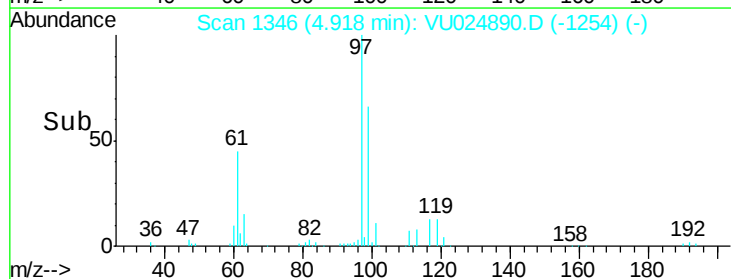
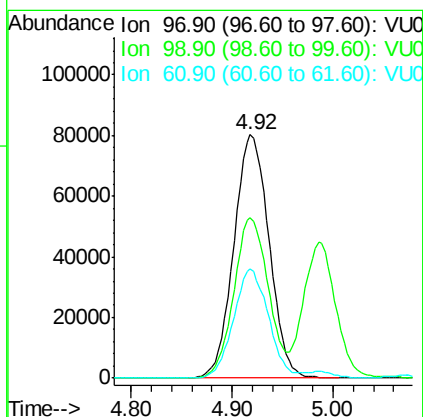
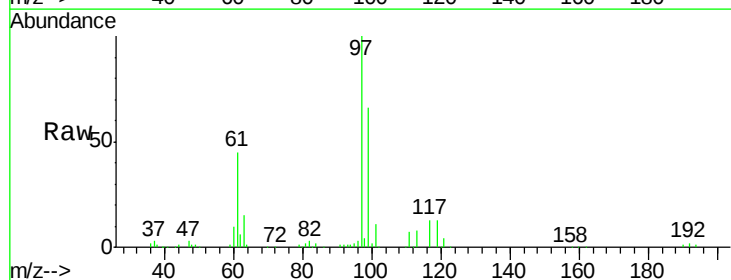
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 177195
Ion Ratio Lower Upper
56 100
69 35.3 24.8 37.2
84 85.6 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 47.57 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 97 Resp: 194350
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 44.3 39.4 59.0

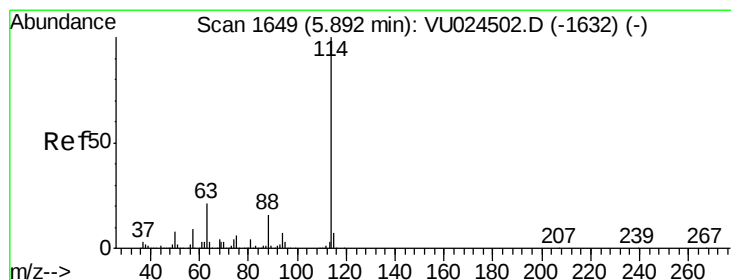
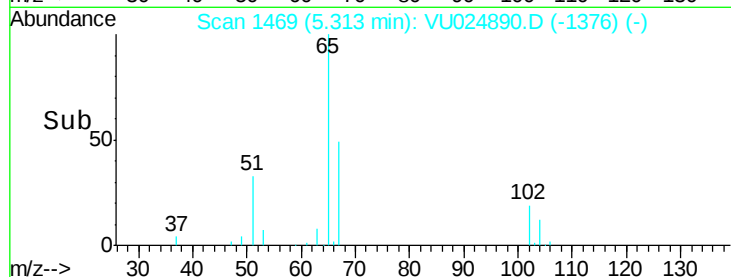
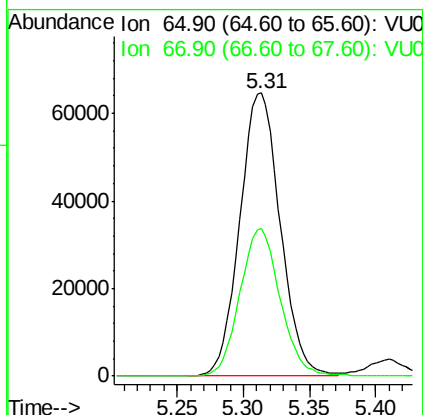
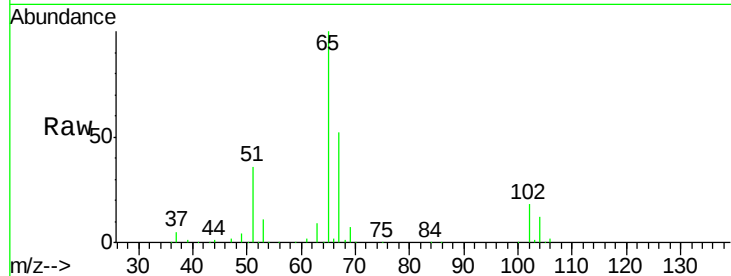




#33
 1,2-Dichloroethane-d4
 Concen: 46.33 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

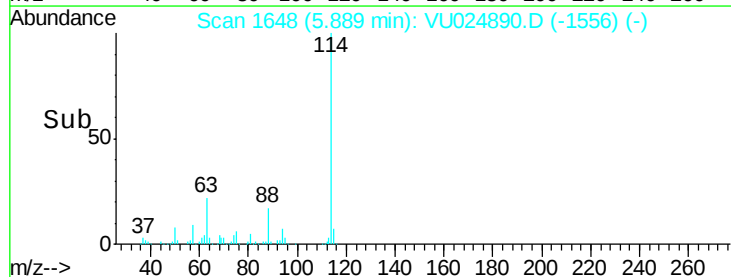
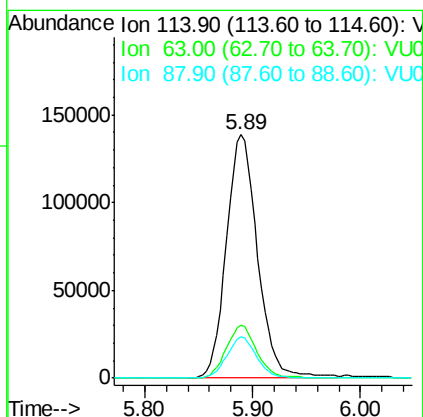
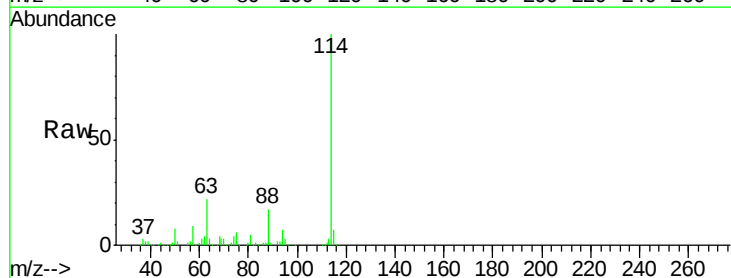
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 136940
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion: 114 Resp: 279680
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.4
 88 16.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.60 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampleId :

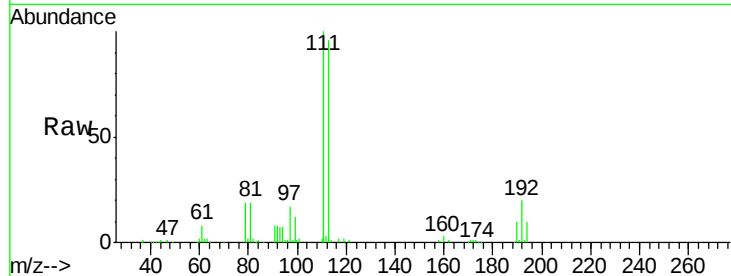
Tot Ion:113 Resp: 110482

Ion Ratio Lower Upper

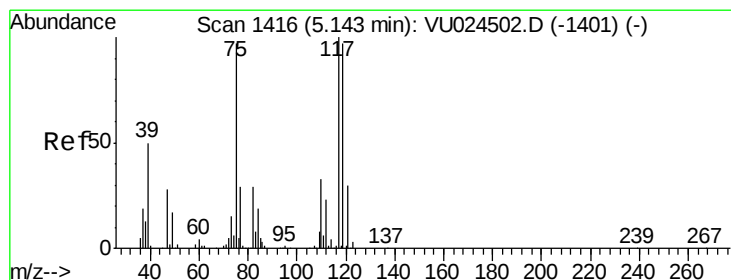
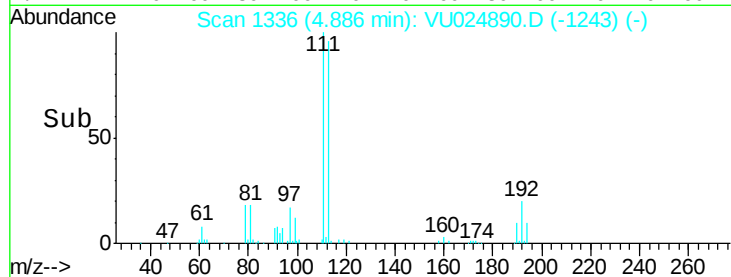
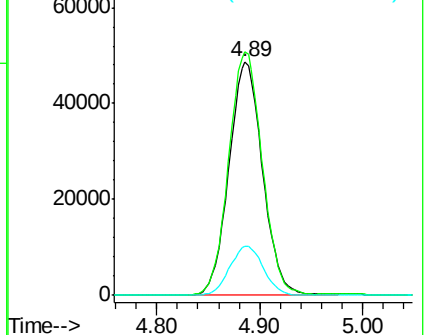
113 100

111 104.3 82.2 123.4

192 21.1 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.21 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

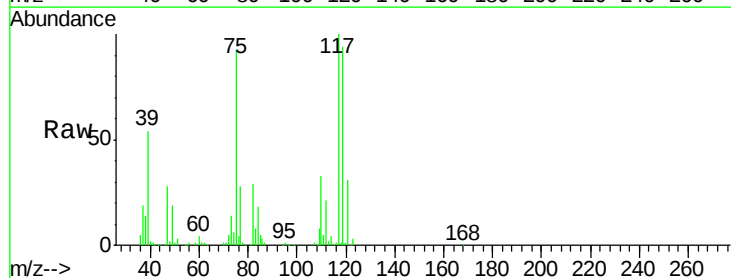
Tgt Ion: 75 Resp: 148576

Ion Ratio Lower Upper

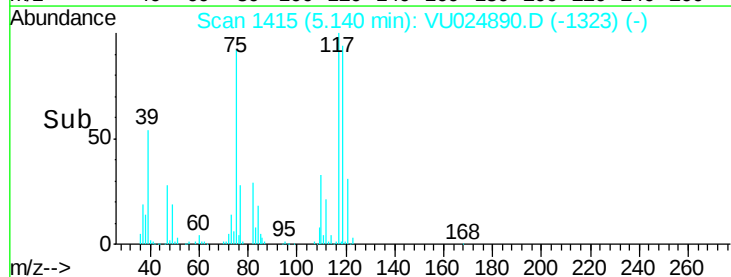
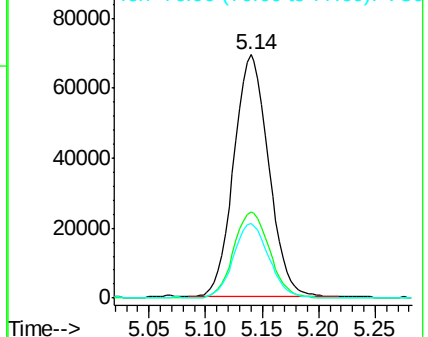
75 100

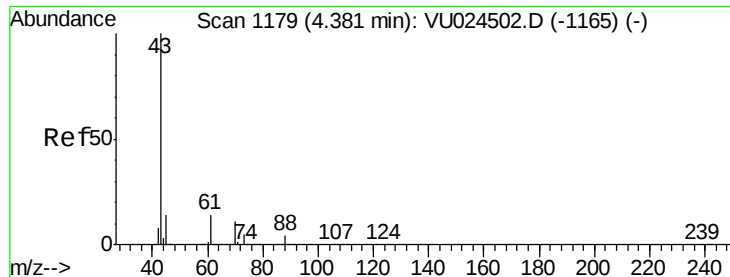
110 36.7 17.0 50.9

77 30.8 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

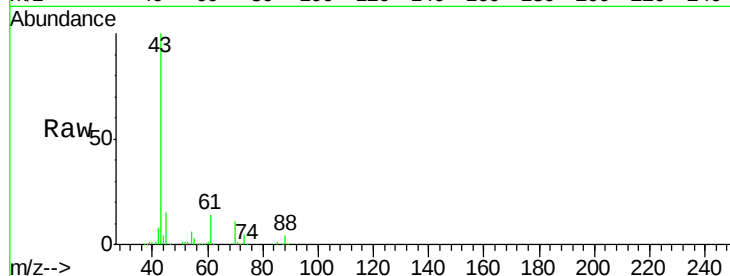




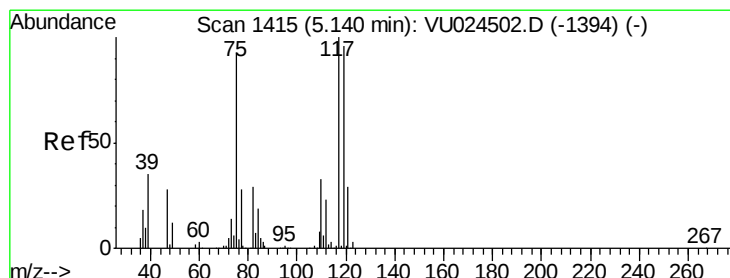
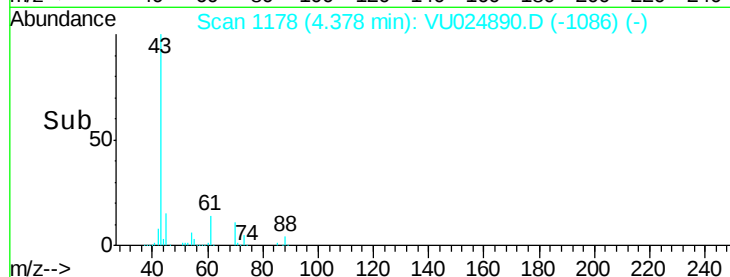
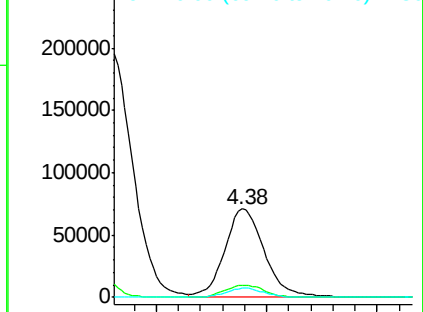
#37
Ethyl Acetate
Concen: 48.38 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 173311
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 10.4 7.4 11.2

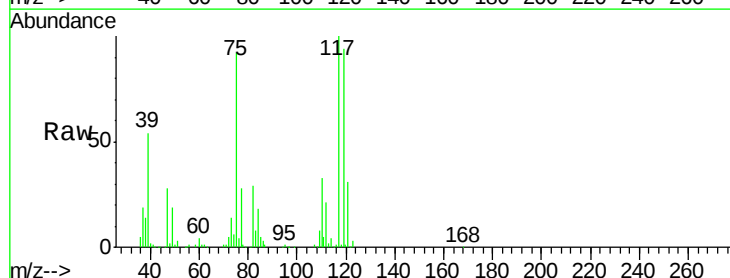


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

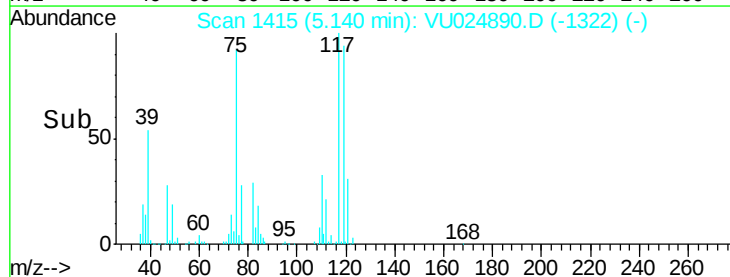
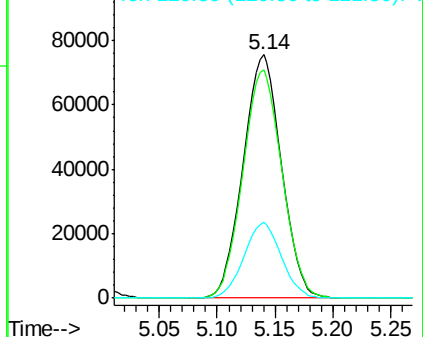


#38
Carbon Tetrachloride
Concen: 47.99 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 117 Resp: 173444
Ion Ratio Lower Upper
117 100
119 93.7 76.1 114.1
121 31.0 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

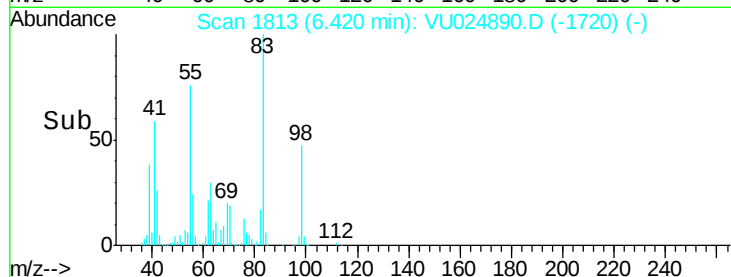
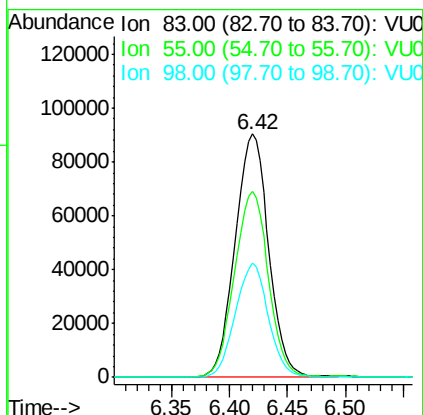
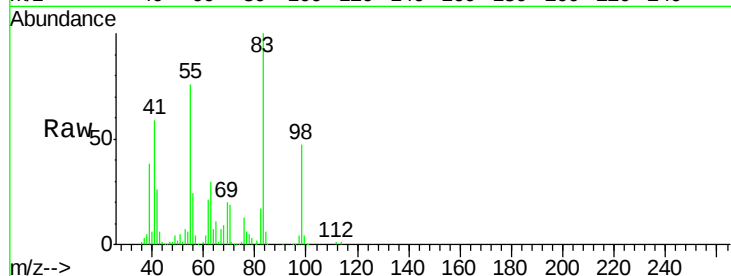




#39
Methvlcvclohexane
Concen: 44.50 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

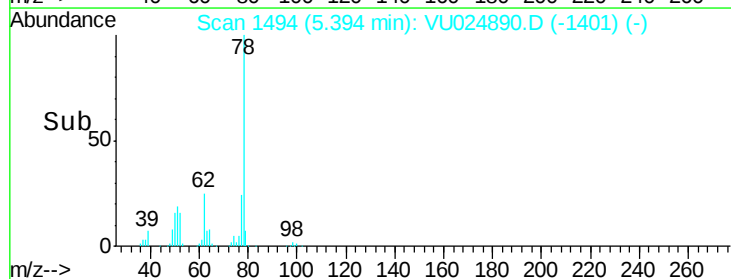
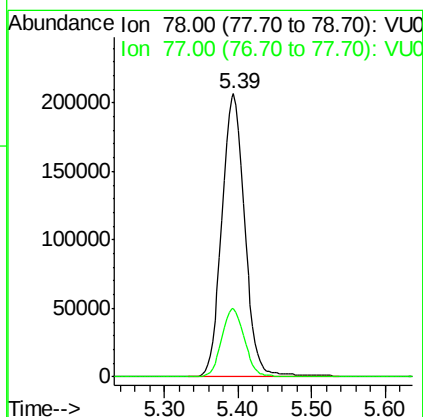
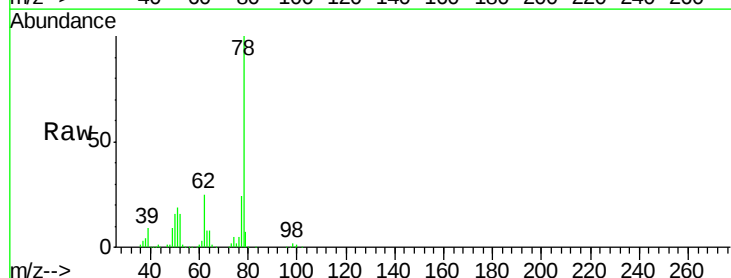
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 182507
Ion Ratio Lower Upper
83 100
55 76.3 65.8 98.6
98 46.8 36.7 55.1



#40
Benzene
Concen: 47.93 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 78 Resp: 448871
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

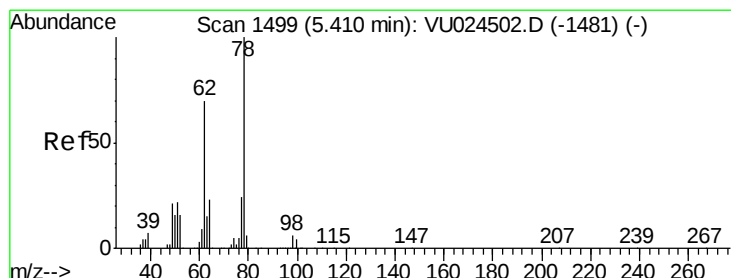
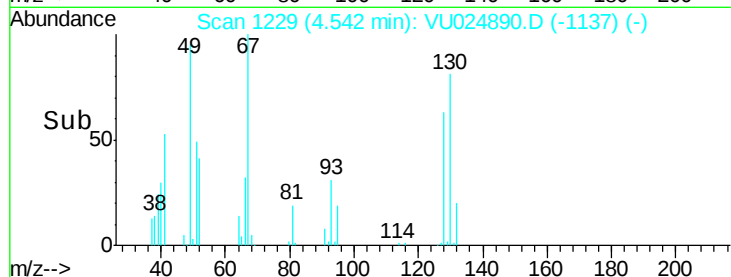
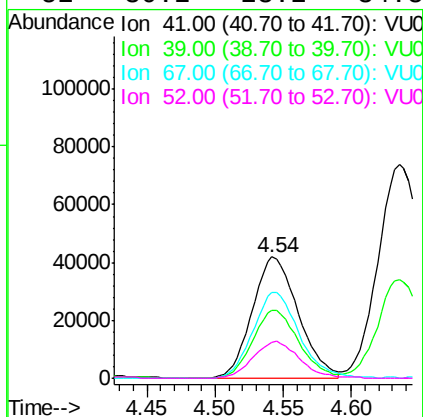
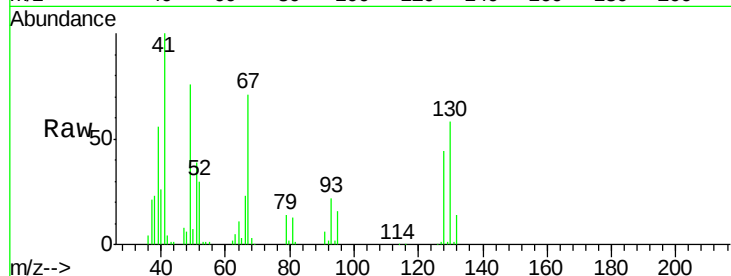




#41
Methacrylonitrile
Concen: 50.50 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

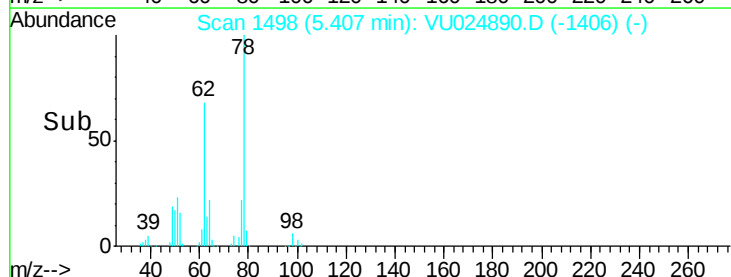
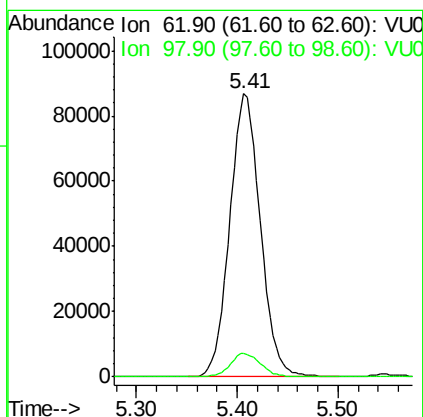
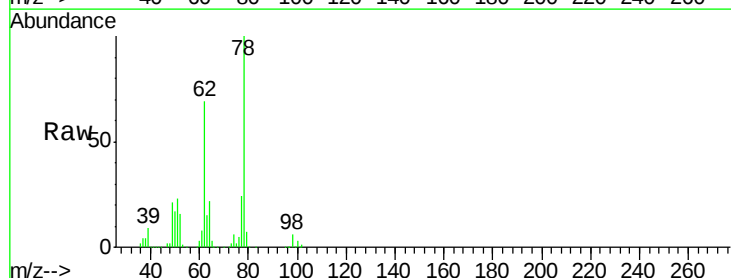
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 97538
Ion Ratio Lower Upper
41 100
39 55.8 43.8 65.6
67 71.7 56.3 84.5
52 30.2 23.2 34.8



#42
1,2-Dichloroethane
Concen: 51.42 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 62 Resp: 183404
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.6



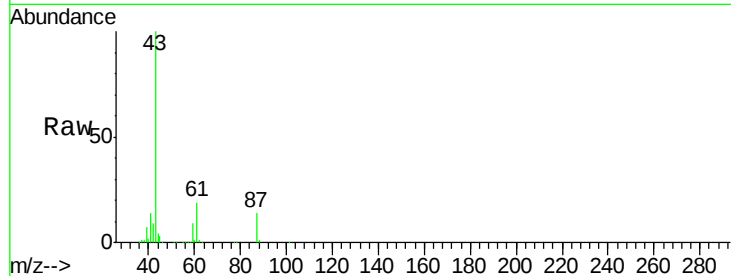


#43

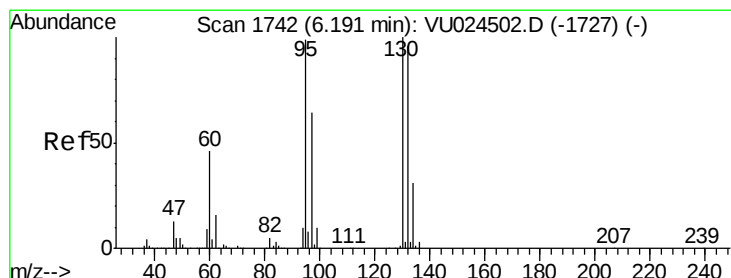
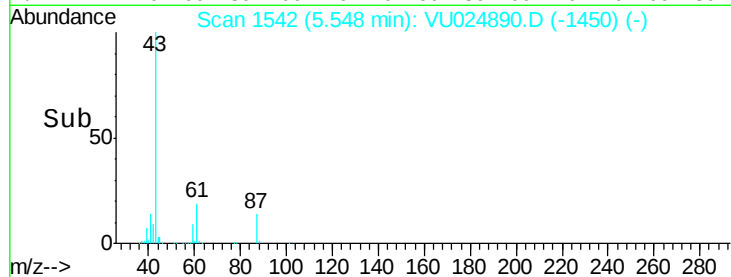
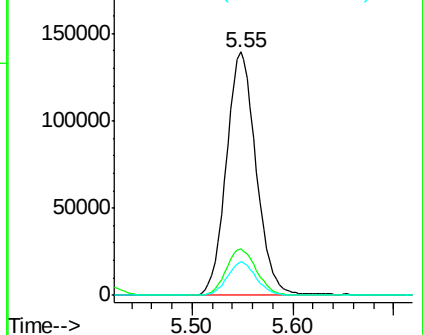
Isopropyl Acetate
 Concen: 46.10 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	43	Resp	285415
Ion Ratio	Lower	Upper	
43	100		
61	19.6	15.4	23.0
87	13.4	10.0	15.0



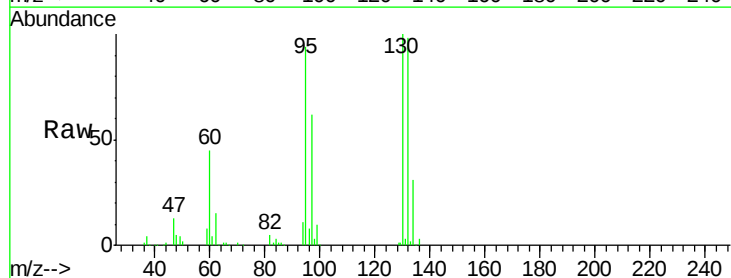
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0



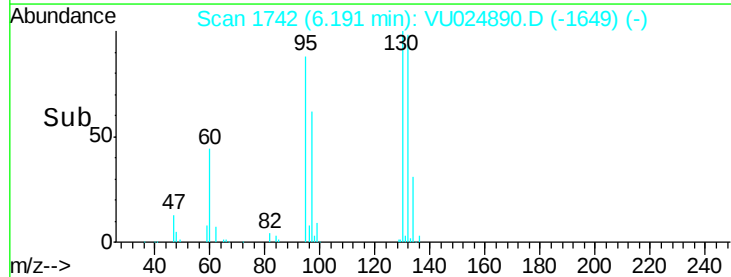
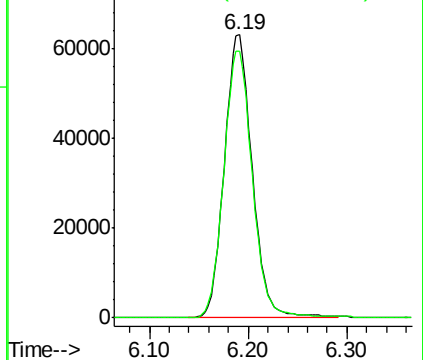
#44

Trichloroethene
 Concen: 46.91 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion	130	Resp	125016
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	202.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VU0

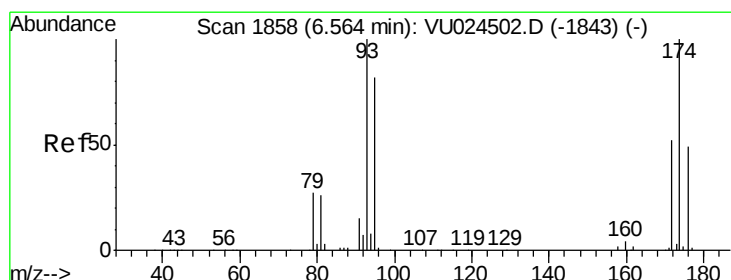
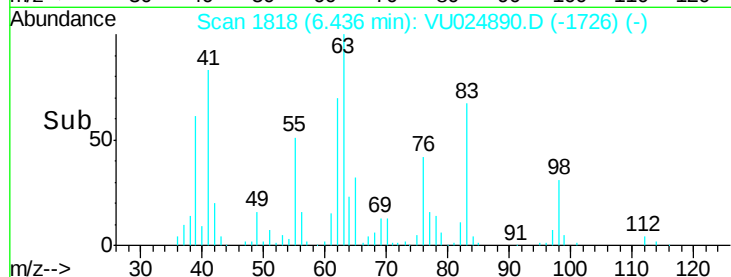
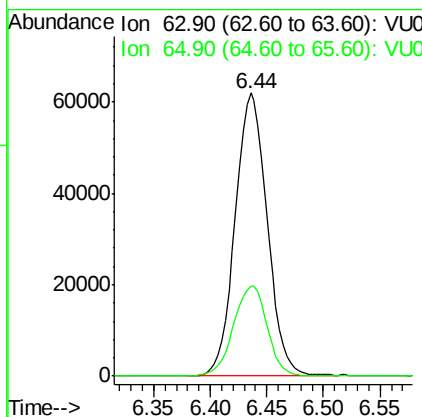
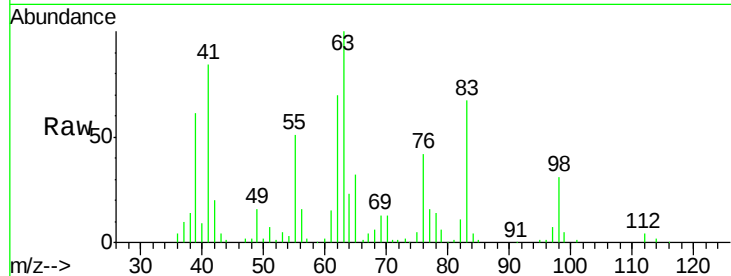




#45
 1,2-Dichloropropane
 Concen: 49.15 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

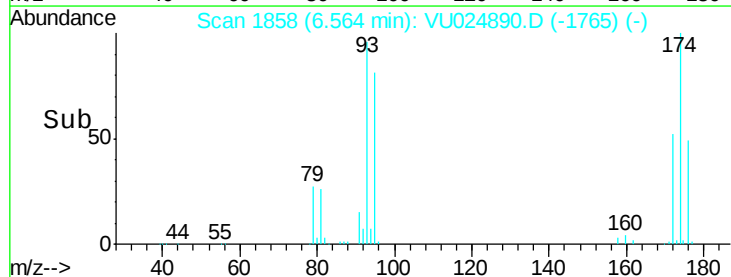
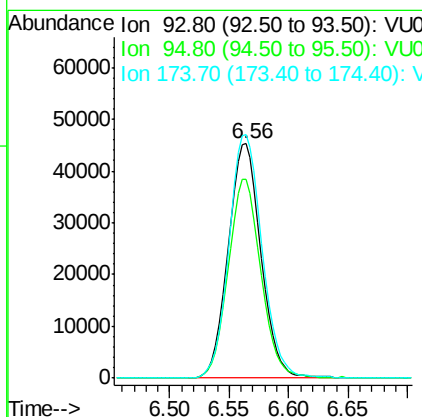
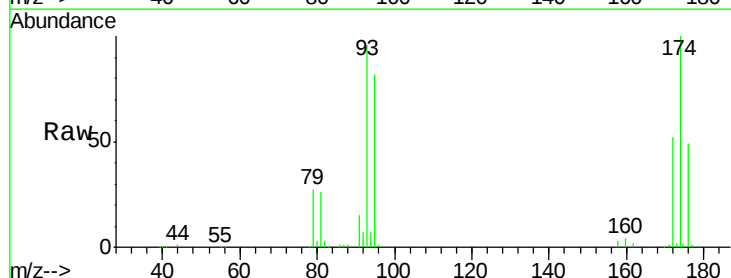
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 122800
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2



#46
 Dibromomethane
 Concen: 49.24 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion: 93 Resp: 86425
 Ion Ratio Lower Upper
 93 100
 95 84.9 65.5 98.3
 174 105.2 78.7 118.1





#47

Bromodichloromethane

Concen: 48.22 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampleId :

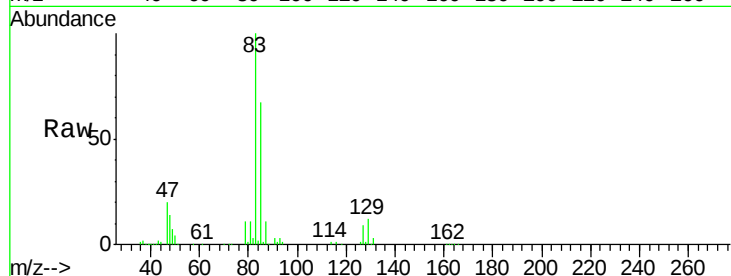
Tot Ion: 83 Resp: 168514

Ion Ratio Lower Upper

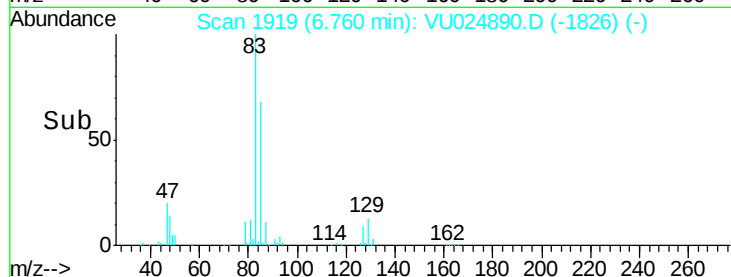
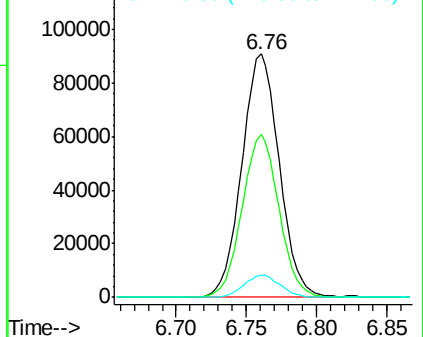
83 100

85 66.8 51.9 77.9

127 9.0 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: 48.61 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

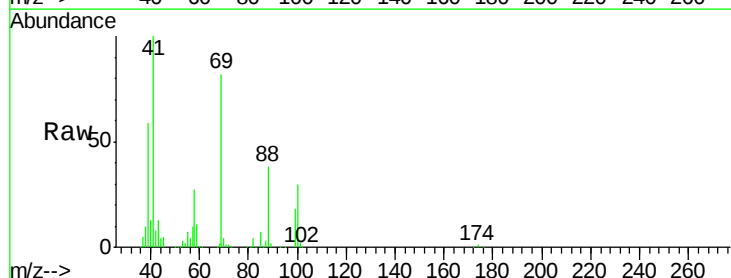
Tgt Ion: 41 Resp: 146563

Ion Ratio Lower Upper

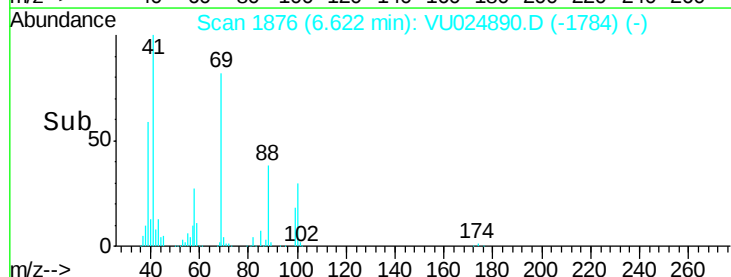
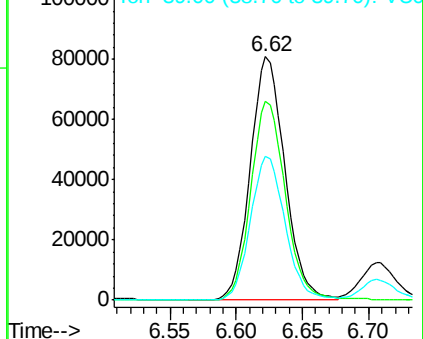
41 100

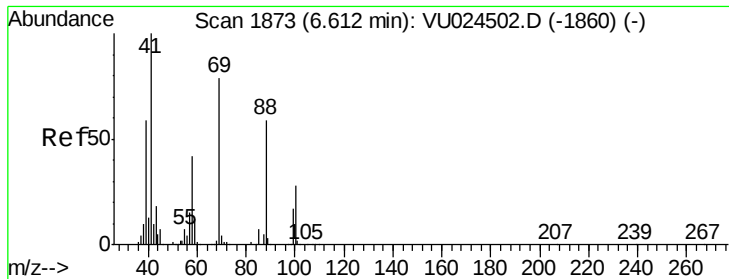
69 82.4 67.3 100.9

39 59.4 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: 1166.29 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampleId :

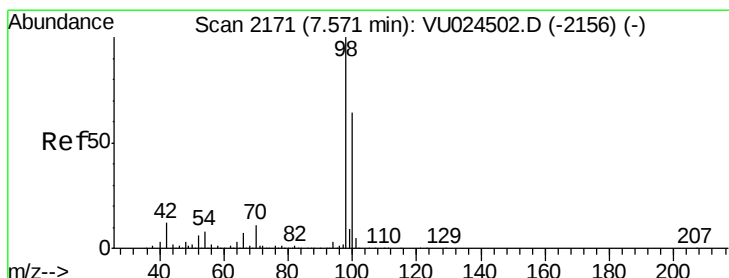
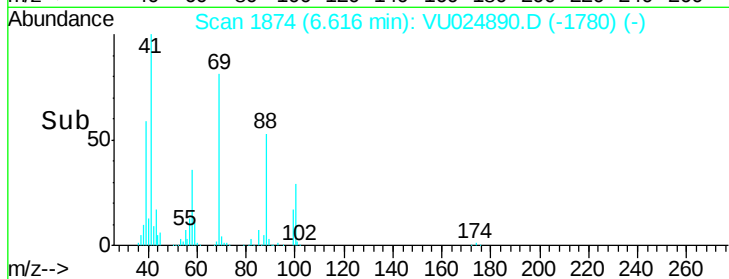
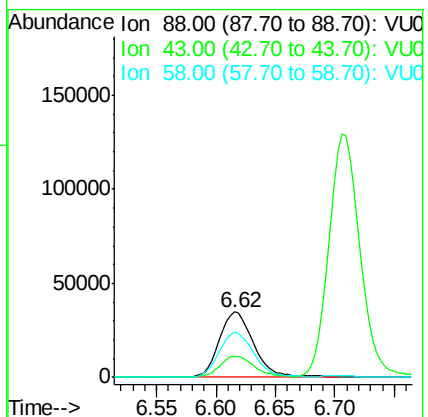
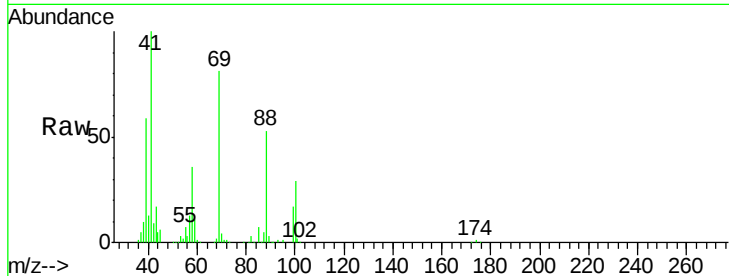
Tot Ion: 88 Resp: 68766

Ion Ratio Lower Upper

88 100

43 33.6 28.6 42.8

58 70.8 58.2 87.4



#50

Toluene-d8

Concen: 45.71 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024890.D

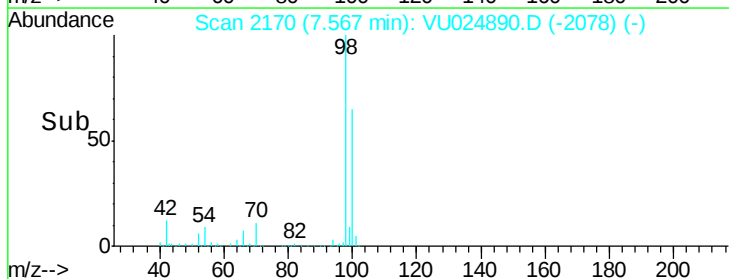
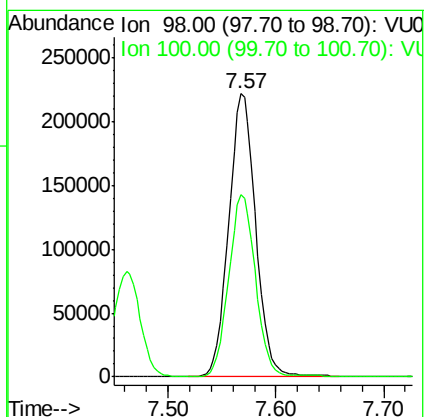
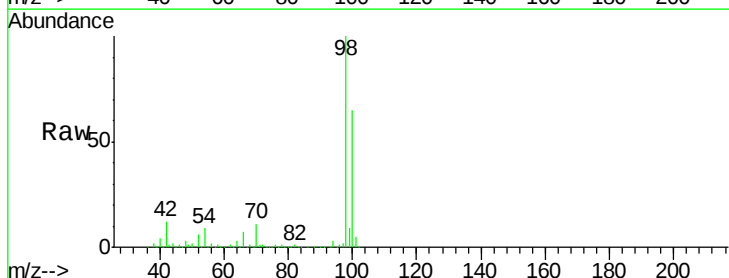
Acq: 25 Jun 2018 21:23

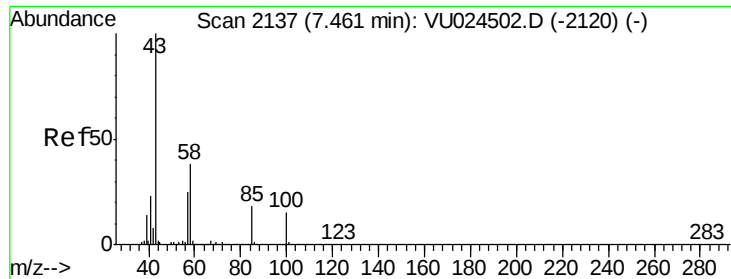
Tgt Ion: 98 Resp: 387024

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 241.53 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

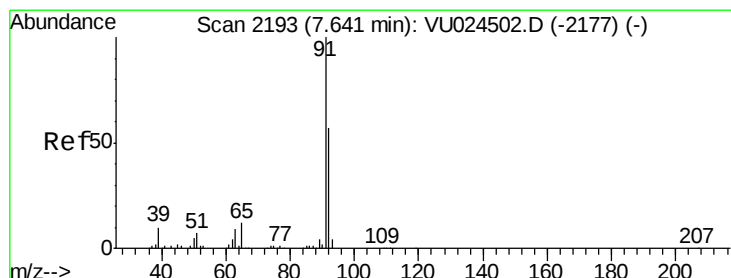
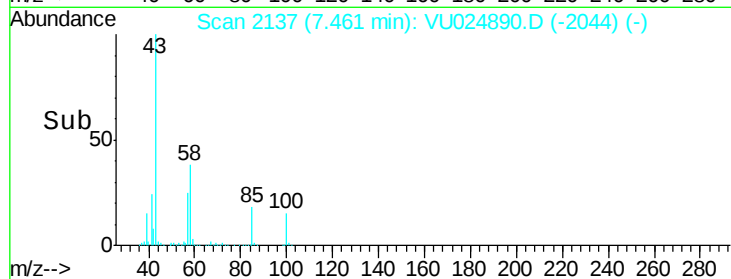
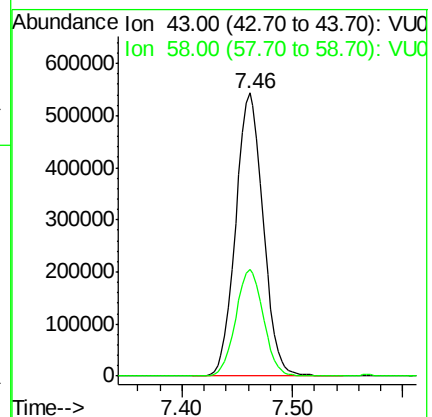
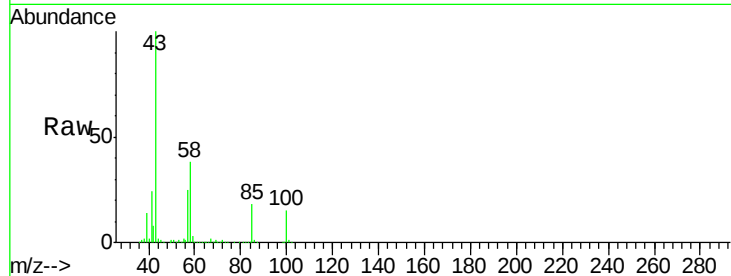
ClientSampled :

Tot Ion: 43 Resp: 939515

Ion Ratio Lower Upper

43 100

58 38.0 30.0 45.0



#52

Toluene

Concen: 47.73 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024890.D

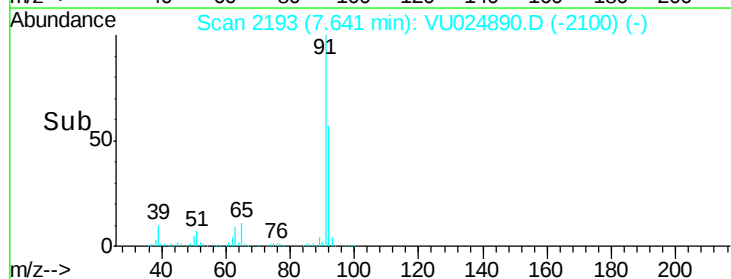
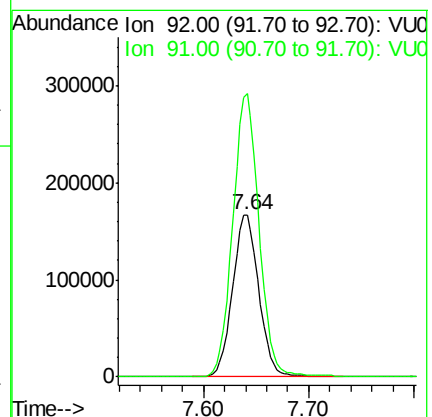
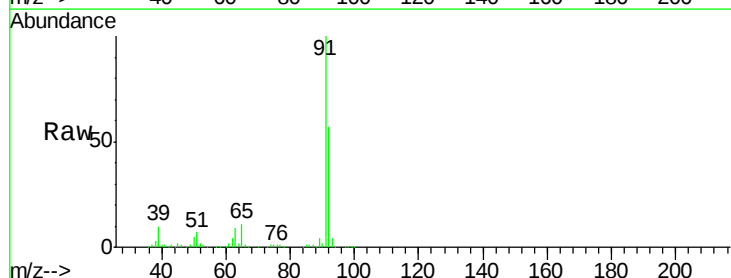
Acq: 25 Jun 2018 21:23

Tgt Ion: 92 Resp: 287579

Ion Ratio Lower Upper

92 100

91 175.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 46.82 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

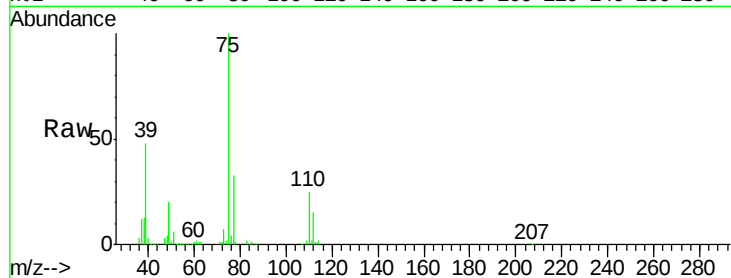
ClientSampled :

Tot Ion: 75 Resp: 183745

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

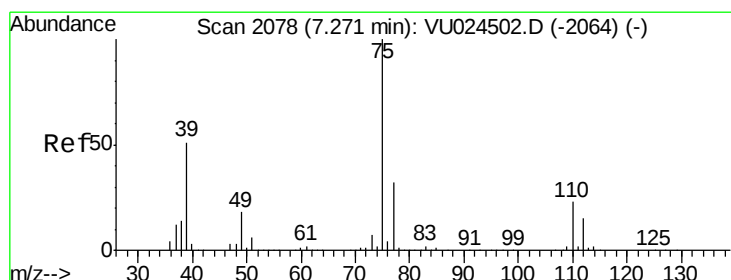
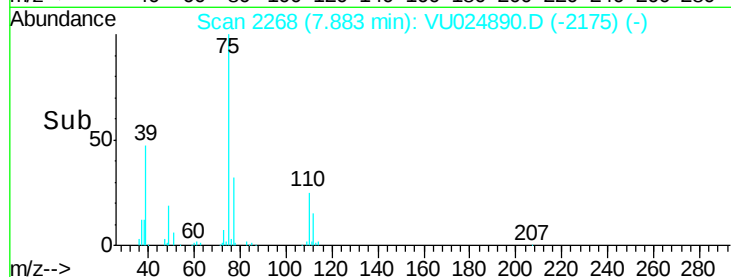
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#54

cis-1,3-Dichloropropene

Concen: 46.06 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

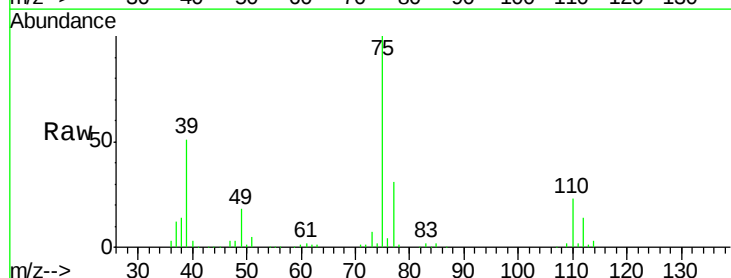
Tgt Ion: 75 Resp: 192632

Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 50.7 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

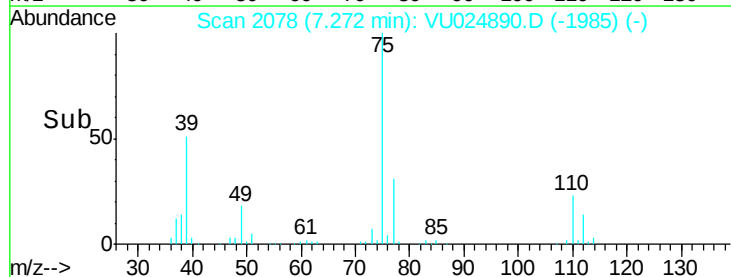
150000

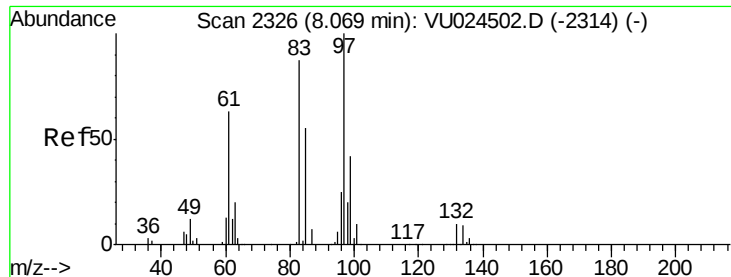
100000

50000

0

Time--> 7.20 7.25 7.30 7.35 7.40

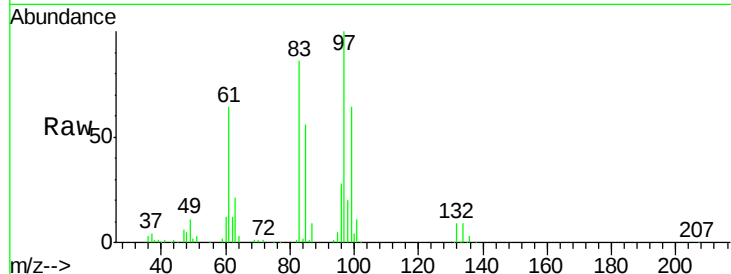




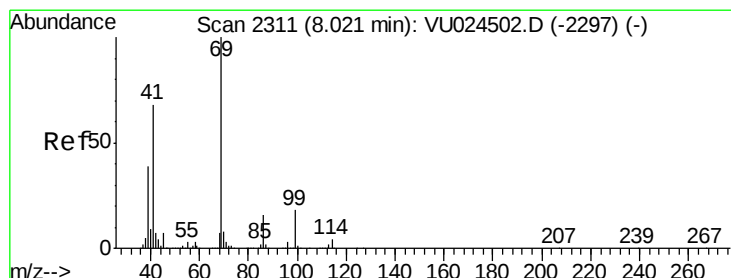
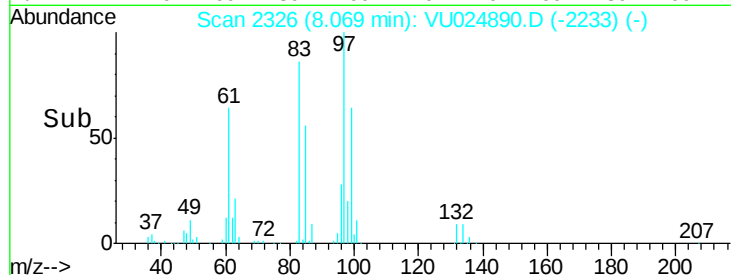
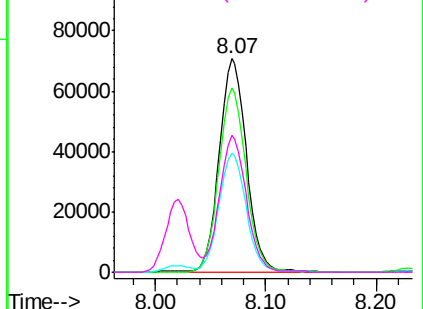
#55
 1,1,2-Trichloroethane
 Concen: 49.22 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 120531
 Ion Ratio Lower Upper
 97 100
 83 86.4 70.5 105.7
 85 55.8 46.4 69.6
 99 64.3 50.2 75.2

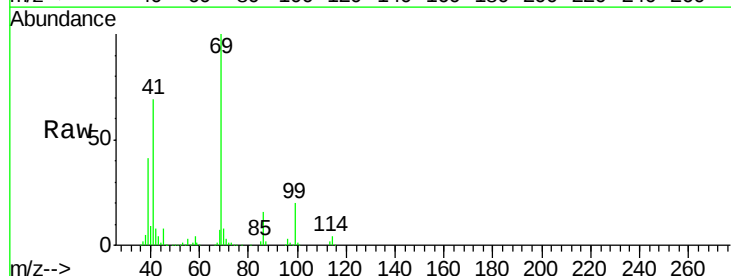


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

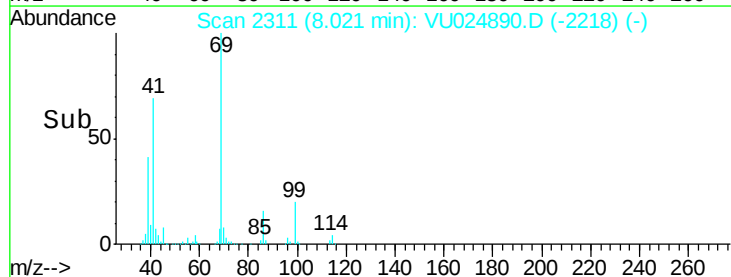
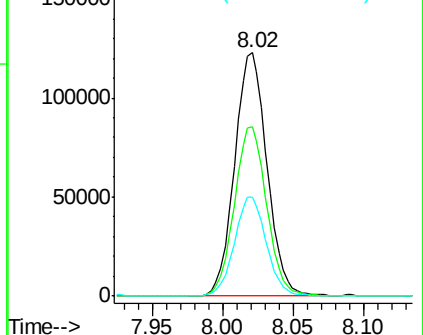


#56
 Ethyl methacrylate
 Concen: 48.26 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion: 69 Resp: 197801
 Ion Ratio Lower Upper
 69 100
 41 69.0 54.1 81.1
 39 39.6 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

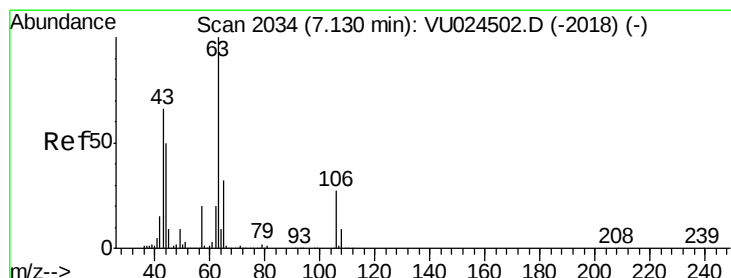
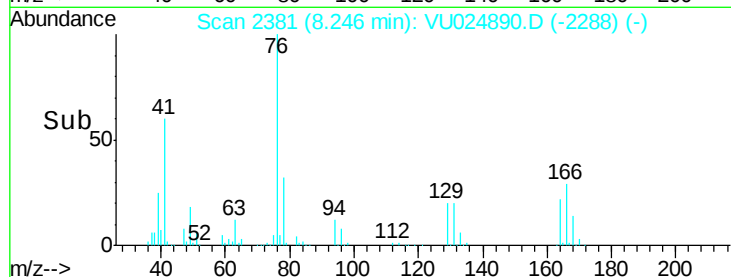
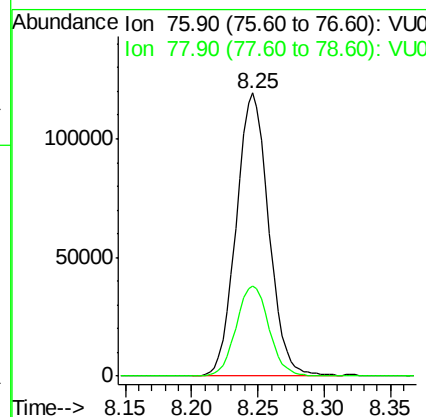
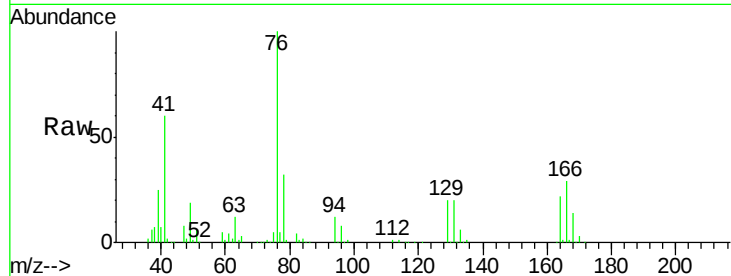




#57
 1,3-Dichloropropane
 Concen: 49.25 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

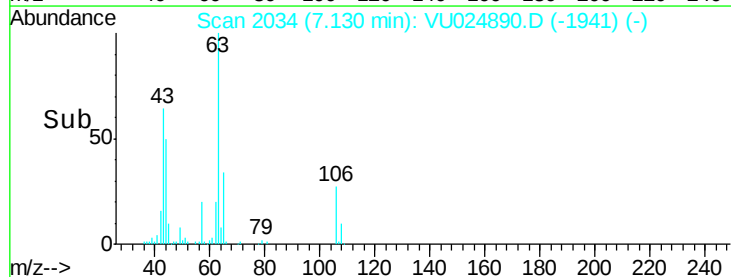
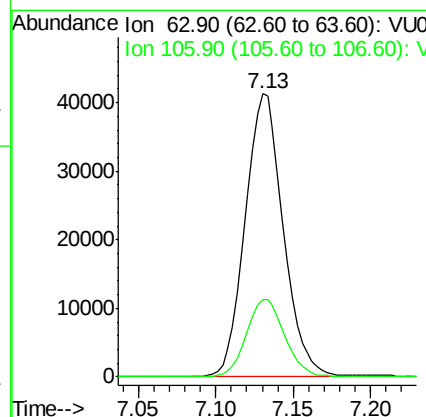
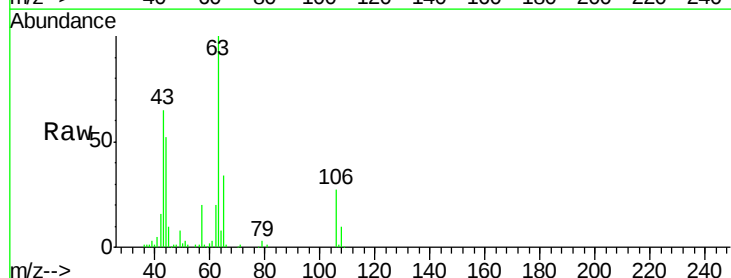
Instrument :
 MSVOA_U
 ClientSampled :

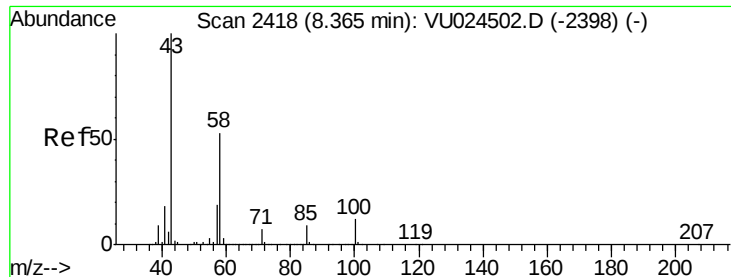
Tot Ion: 76 Resp: 203456
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 45.12 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion: 63 Resp: 70860
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.2 30.2

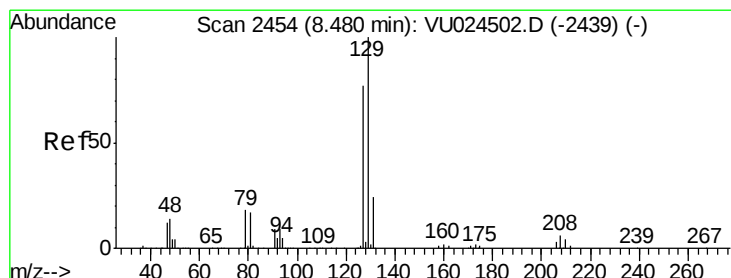
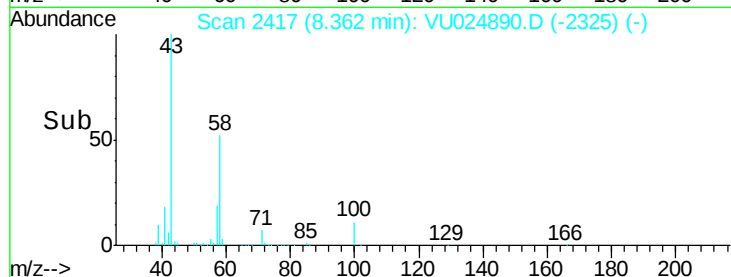
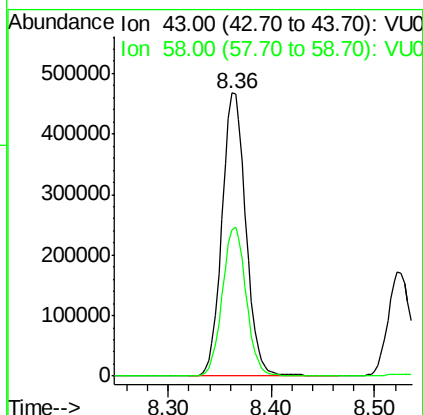
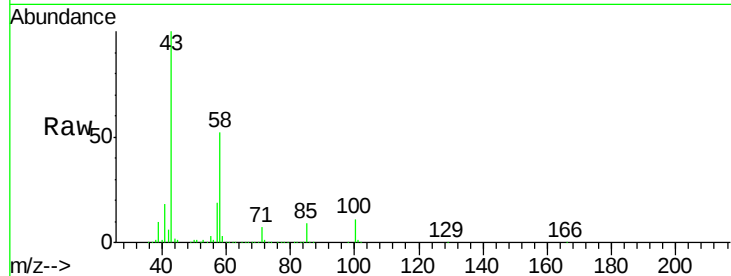




#59
2-Hexanone
Concen: 237.32 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

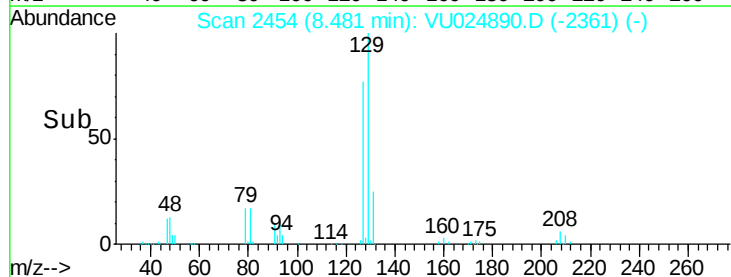
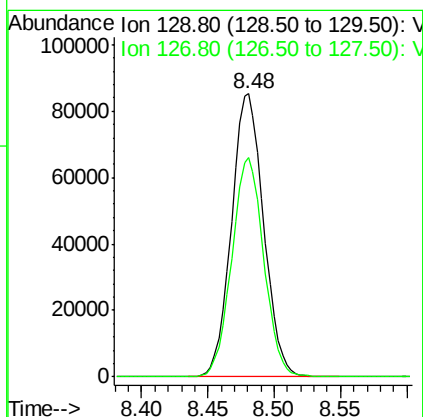
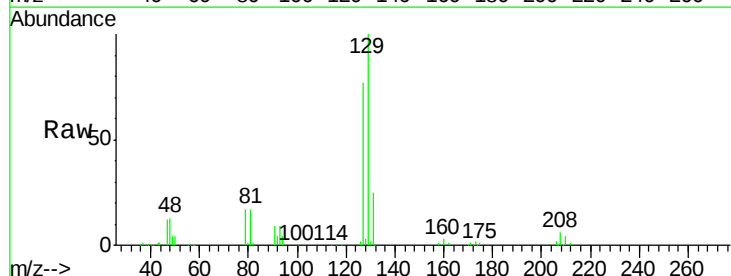
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 753655
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 46.99 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion: 129 Resp: 143497
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0

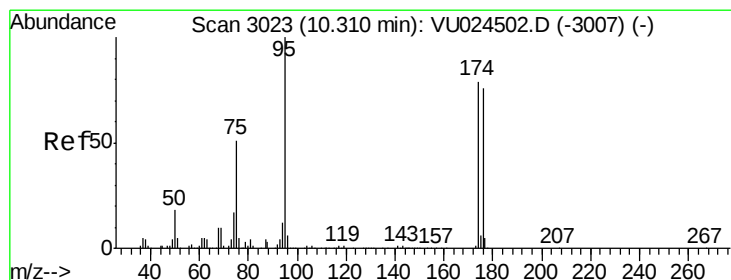
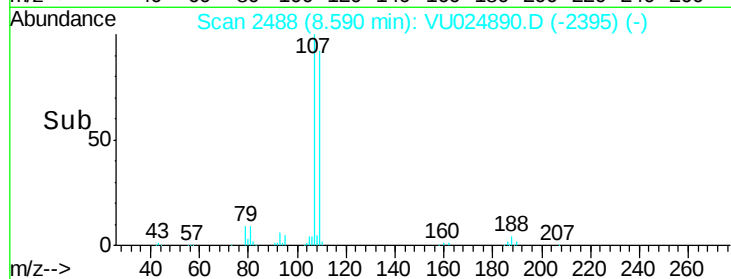
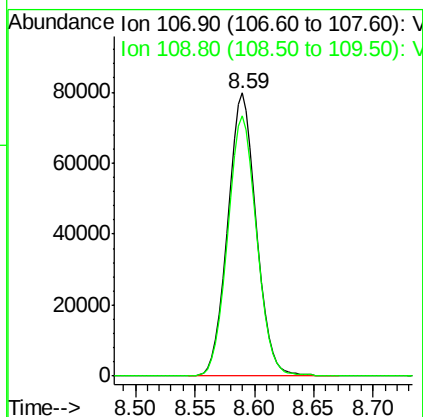
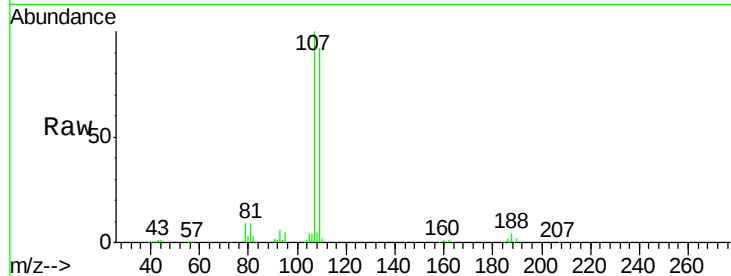




#61
 1,2-Dibromoethane
 Concen: 48.50 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

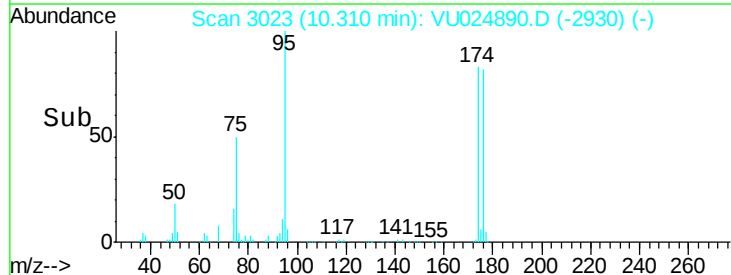
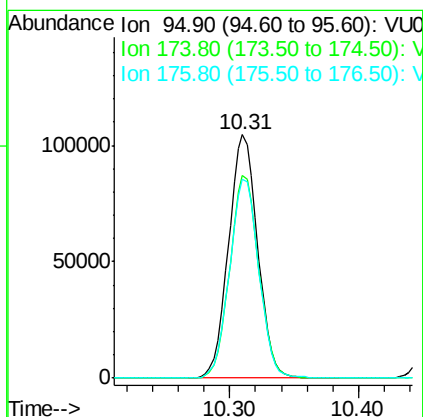
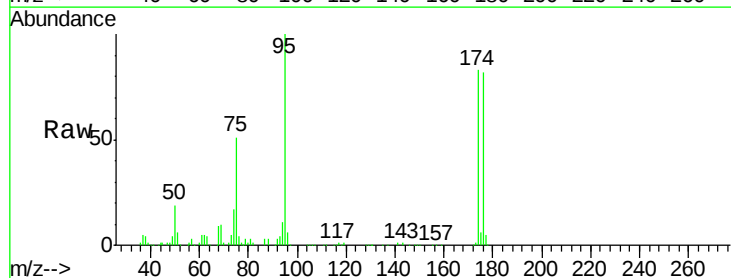
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 132216
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 48.57 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion: 95 Resp: 163263
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 165.8
 176 82.4 0.0 159.4

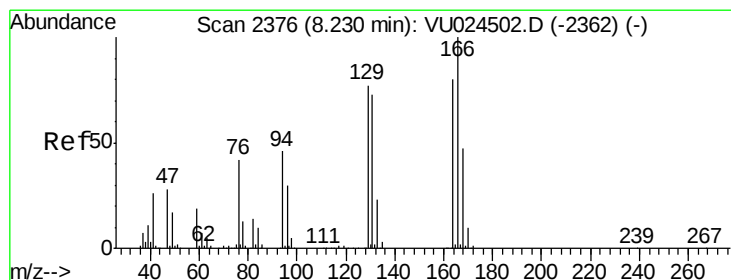
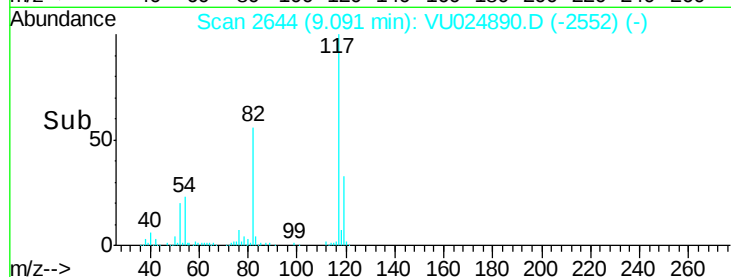
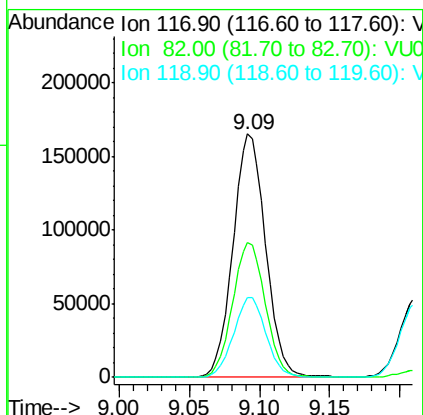
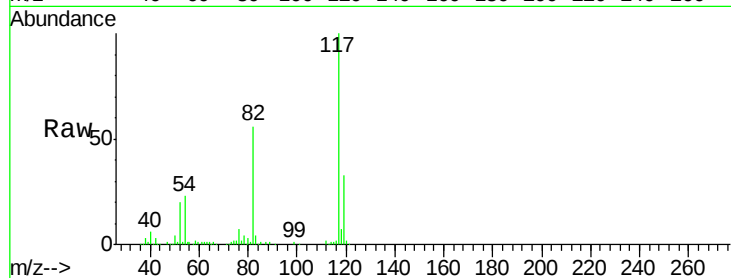




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

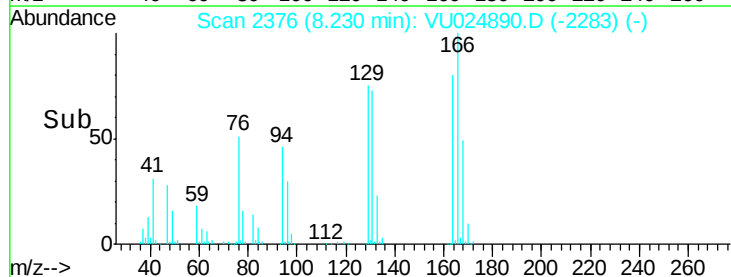
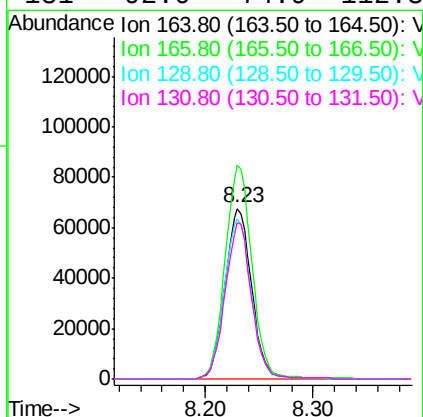
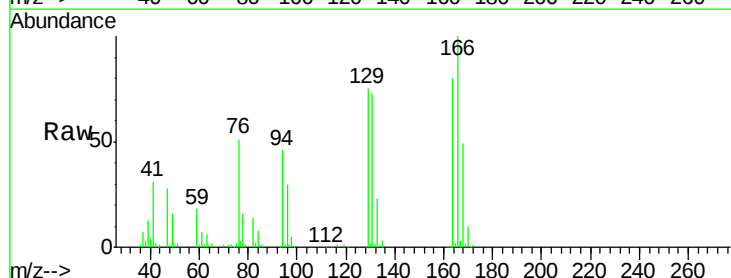
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 267863
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 45.67 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion:164 Resp: 116283
Ion Ratio Lower Upper
164 100
166 125.5 101.7 152.5
129 94.4 76.9 115.3
131 92.0 74.9 112.3

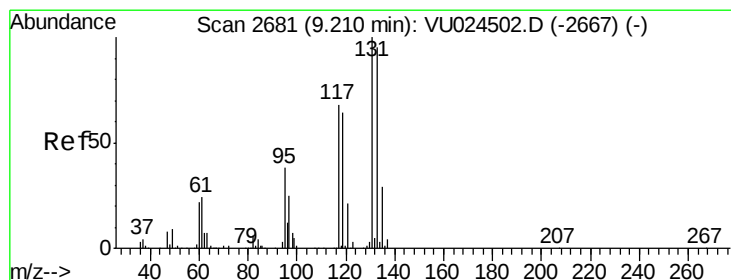
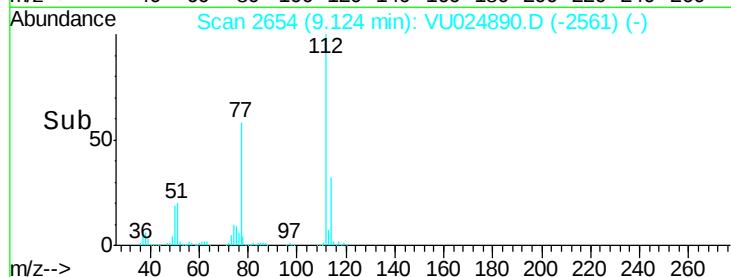
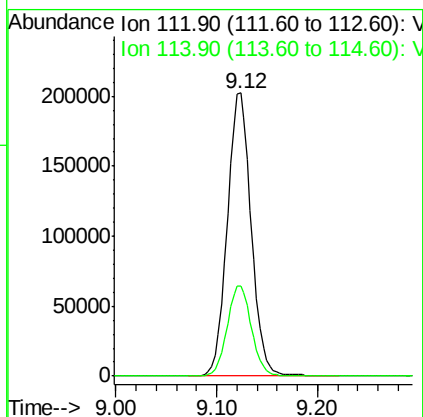
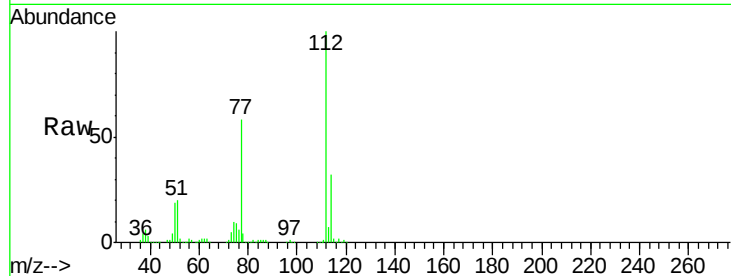




#65
Chlorobenzene
Concen: 48.92 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

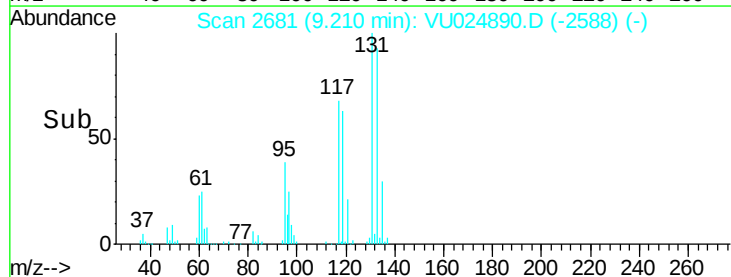
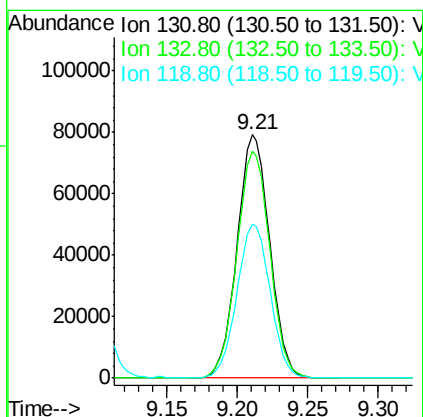
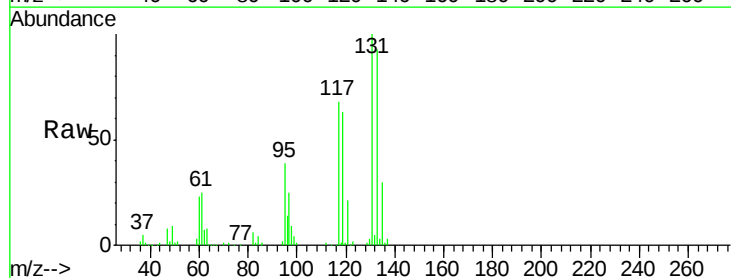
Instrument :
MSVOA_U
ClientSampleId :

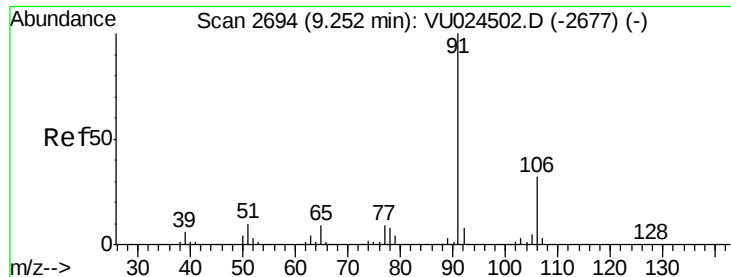
Tot Ion:112 Resp: 334734
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.54 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Tgt Ion:131 Resp: 128799
Ion Ratio Lower Upper
131 100
133 94.3 46.9 140.8
119 64.4 33.5 100.4





#67

Ethyl Benzene

Concen: 47.94 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

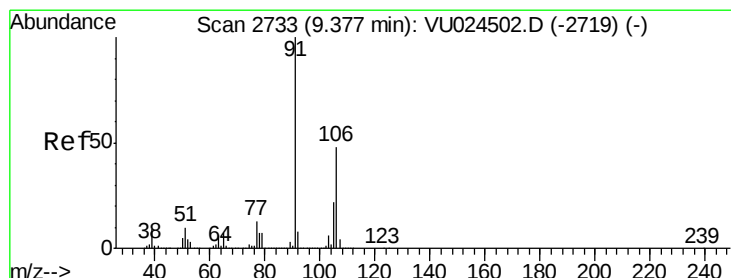
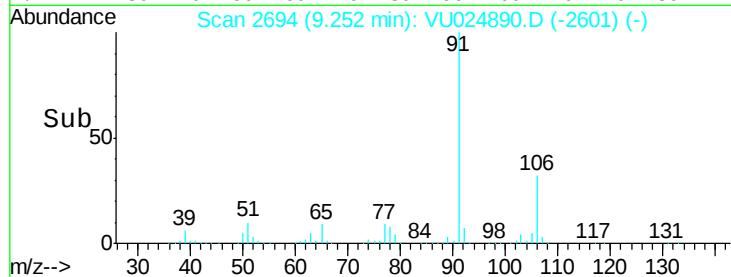
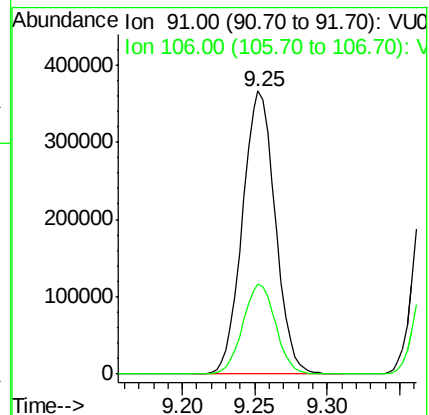
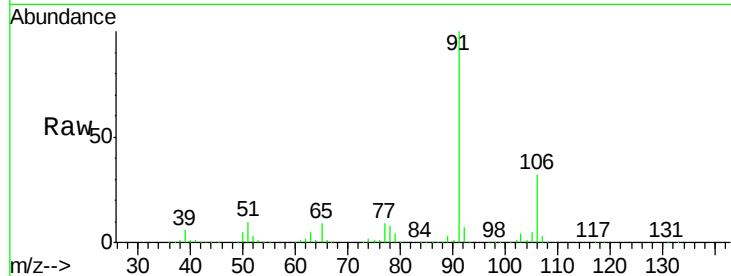
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 575079

Ion Ratio Lower Upper

91 100

106 31.8 24.2 36.4



#68

m/p-Xylenes

Concen: 98.36 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024890.D

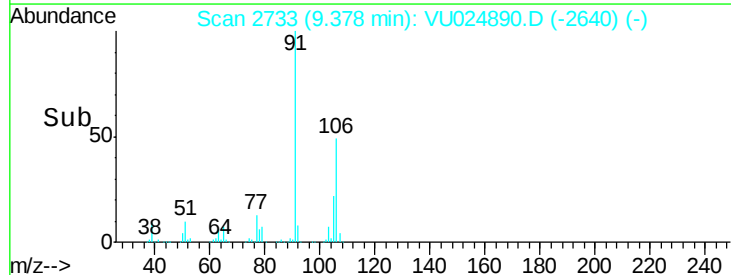
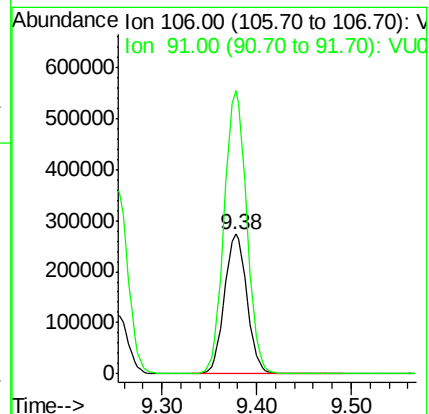
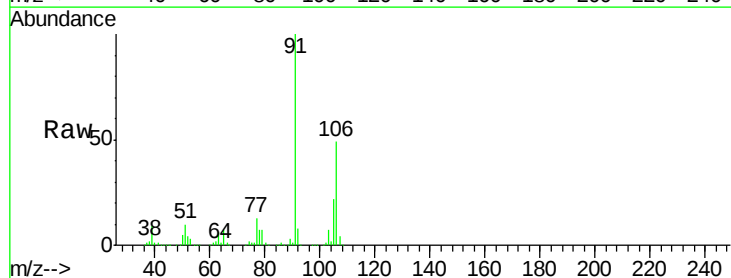
Acq: 25 Jun 2018 21:23

Tgt Ion: 106 Resp: 453084

Ion Ratio Lower Upper

106 100

91 203.0 166.5 249.7

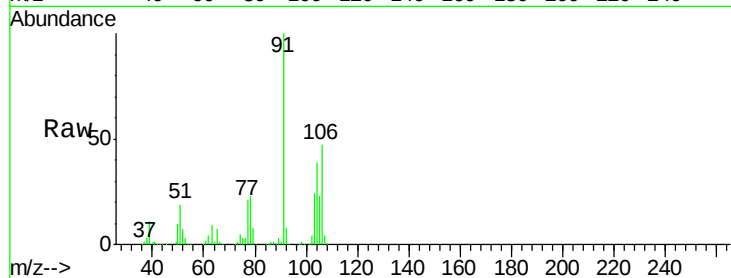




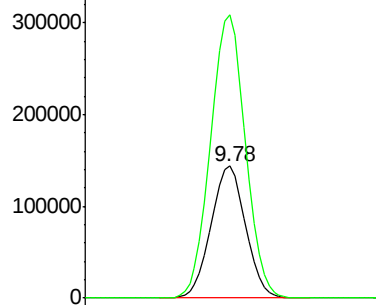
#69
o-Xylene
Concen: 49.24 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampled :

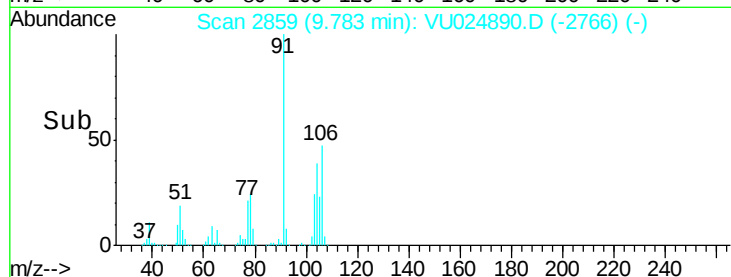
Tot Ion:106 Resp: 224479
Ion Ratio Lower Upper
106 100
91 216.1 110.7 331.9



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

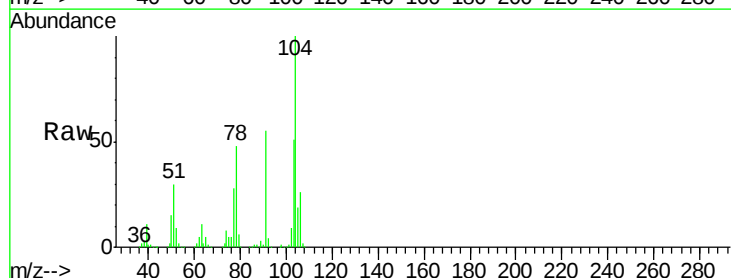


Time--> 9.70 9.75 9.80 9.85

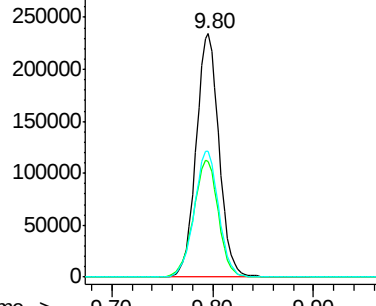


#70
Styrene
Concen: 49.73 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024890.D
Acq: 25 Jun 2018 21:23

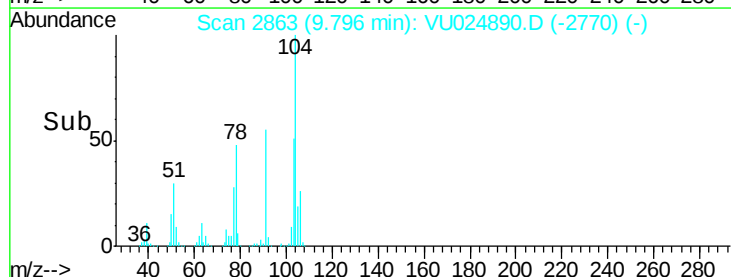
Tgt Ion:104 Resp: 372545
Ion Ratio Lower Upper
104 100
78 52.1 40.6 60.8
103 55.2 44.7 67.1

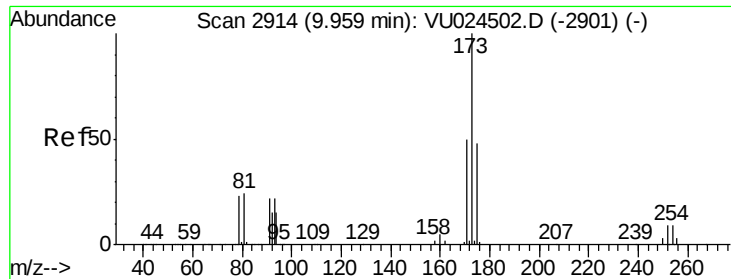


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time--> 9.70 9.80 9.90





#71

Bromoform

Concen: 46.02 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampleId :

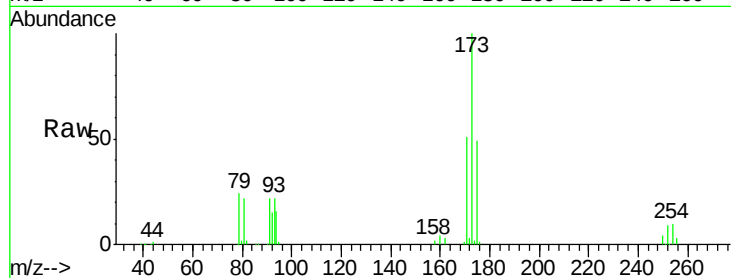
Tot Ion:173 Resp: 113710

Ion Ratio Lower Upper

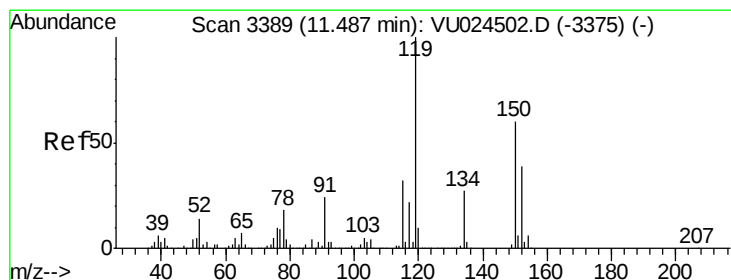
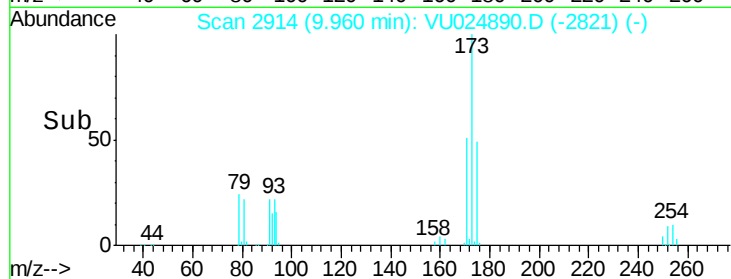
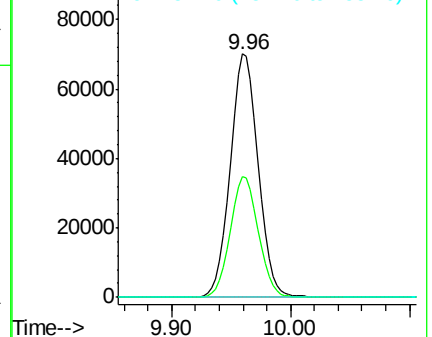
173 100

175 49.9 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

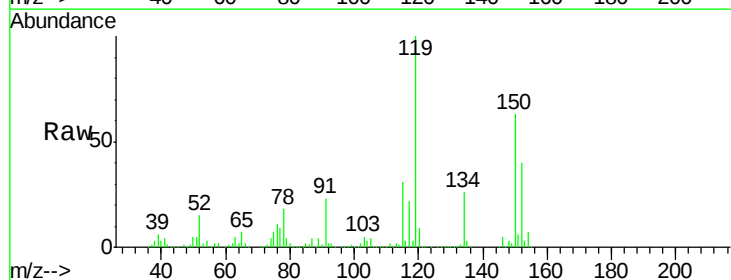
Tgt Ion:152 Resp: 166427

Ion Ratio Lower Upper

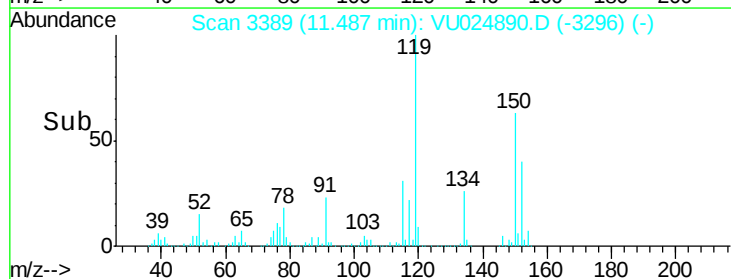
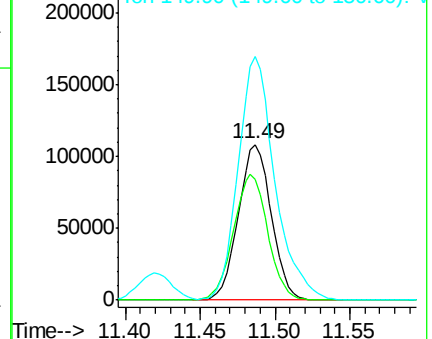
152 100

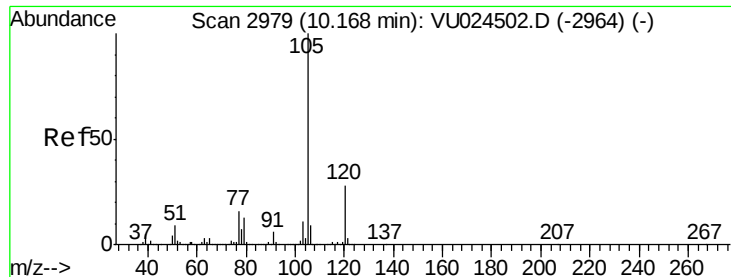
115 83.4 43.0 129.0

150 173.9 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: 47.84 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

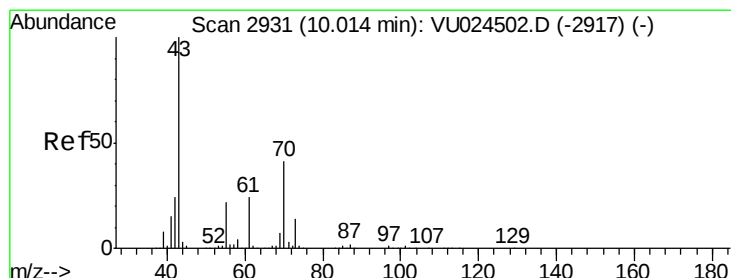
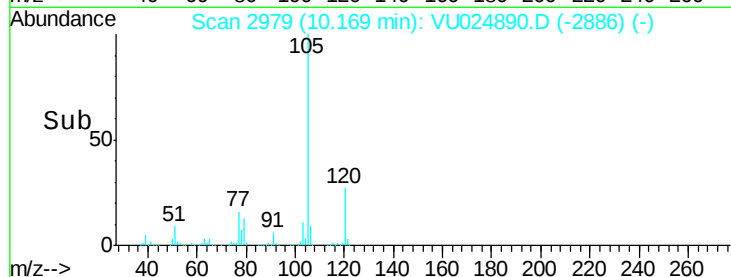
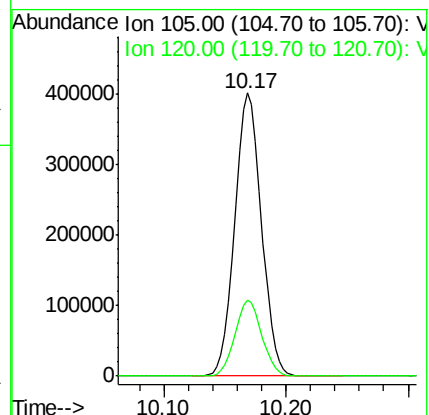
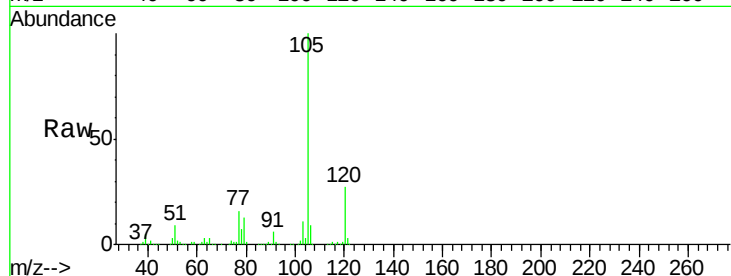
ClientSampled :

Tot Ion:105 Resp: 611293

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



#74

N-ethyl acetate

Concen: 45.25 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Tgt Ion: 43 Resp: 275037

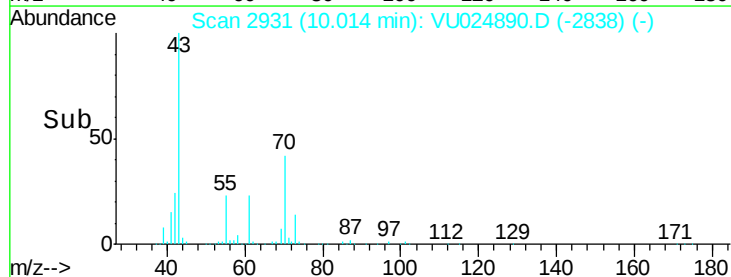
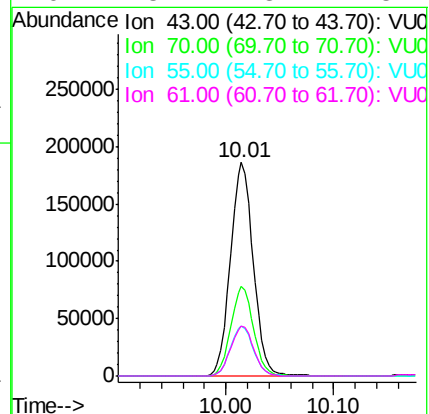
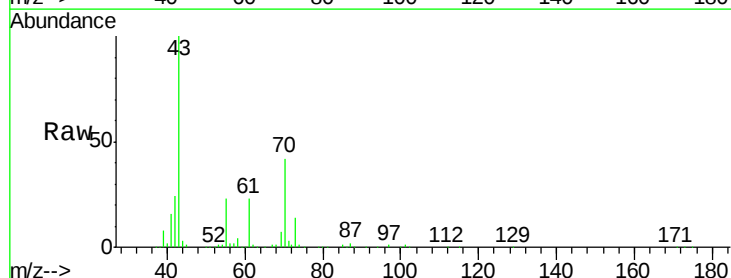
Ion Ratio Lower Upper

43 100

70 41.6 32.2 48.4

55 23.8 20.5 30.7

61 23.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.40 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

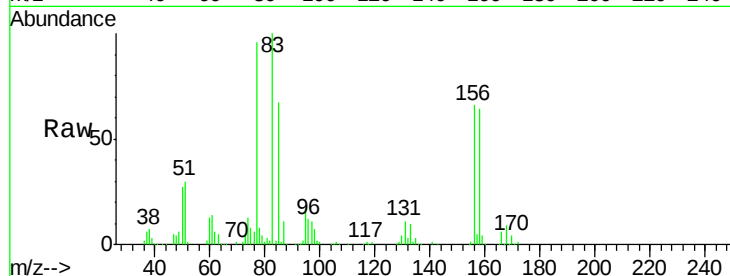
Tot Ion: 83 Resp: 207241

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

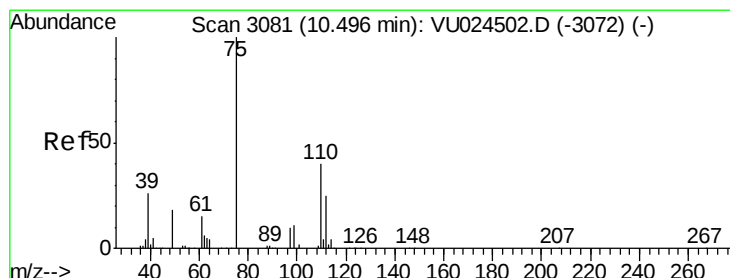
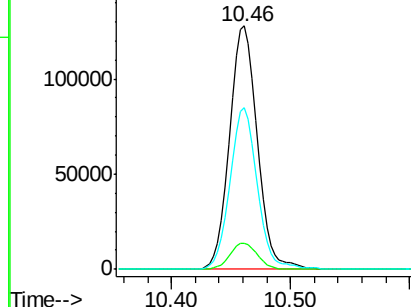
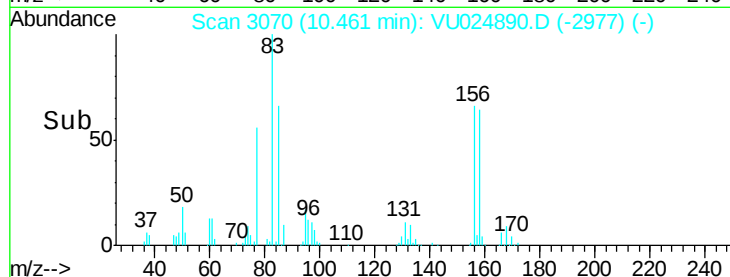
85 65.3 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU024890.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024890.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024890.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 67.20 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024890.D

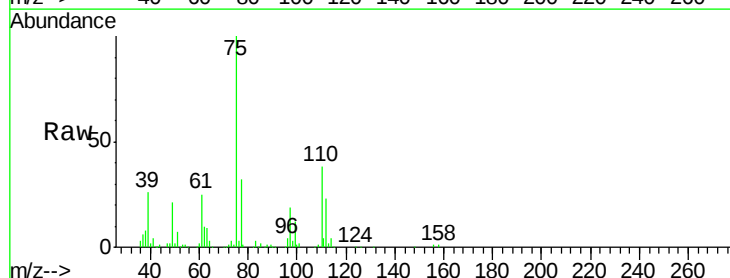
Acq: 25 Jun 2018 21:23

Tgt Ion: 75 Resp: 246244

Ion Ratio Lower Upper

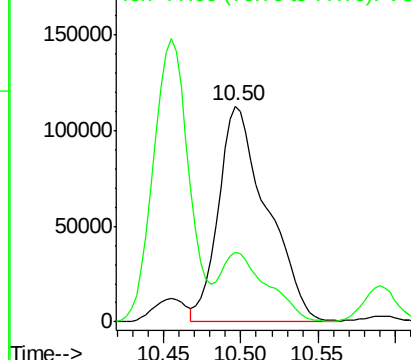
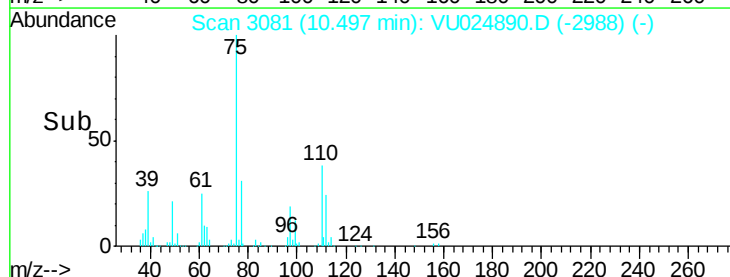
75 100

77 31.4 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024890.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024890.D (-2988) (-)





#77

Bromobenzene

Concen: 47.83 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

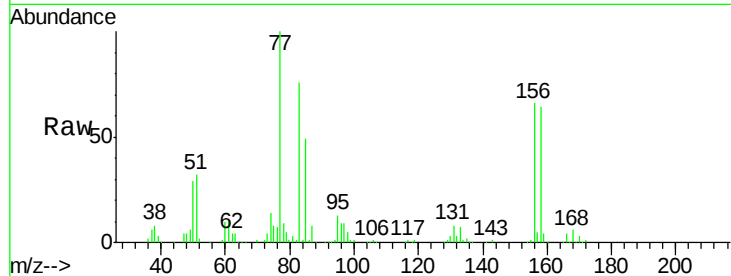
Tot Ion:156 Resp: 154719

Ion Ratio Lower Upper

156 100

77 153.0 80.5 241.3

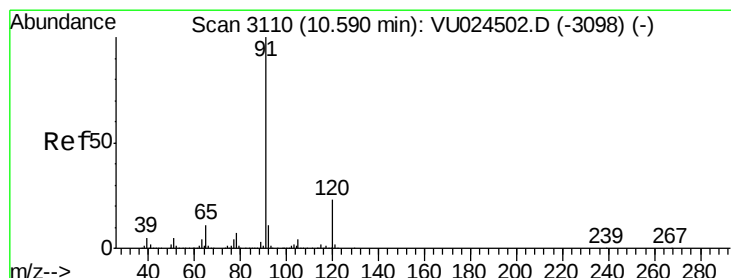
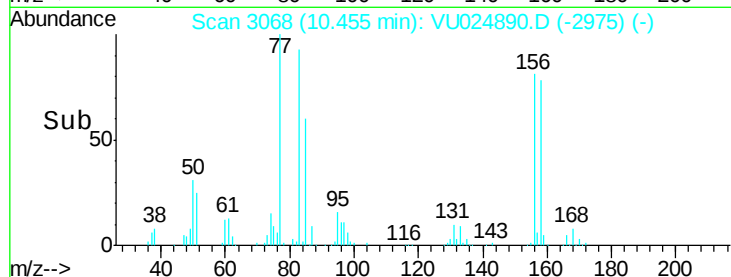
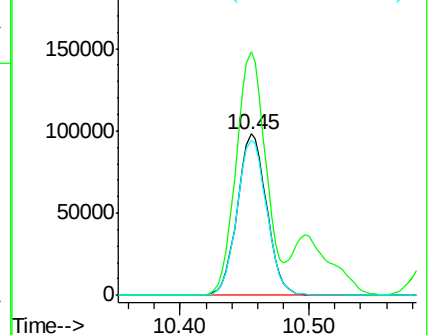
158 97.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.97 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024890.D

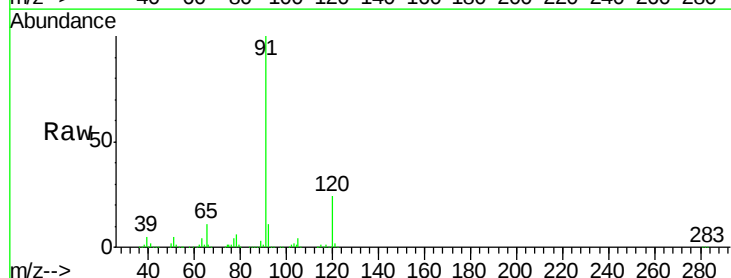
Acq: 25 Jun 2018 21:23

Tgt Ion: 91 Resp: 691916

Ion Ratio Lower Upper

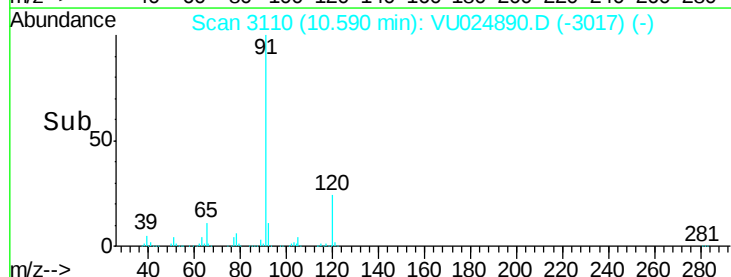
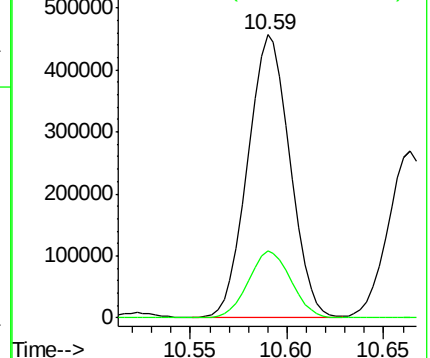
91 100

120 23.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.02 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

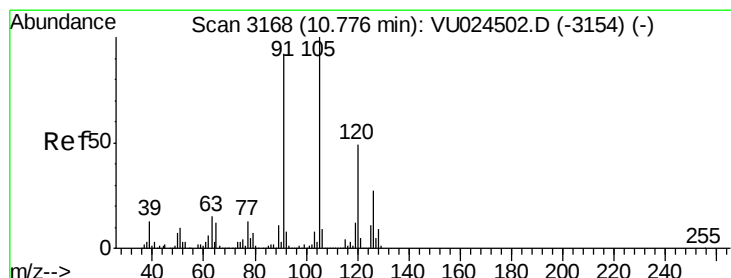
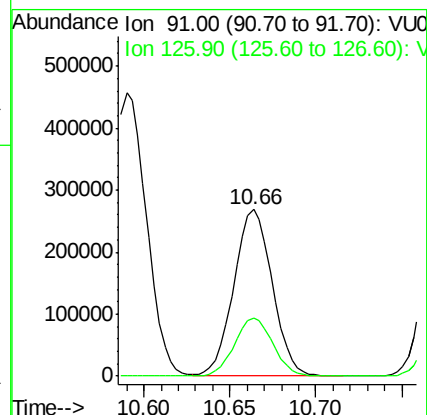
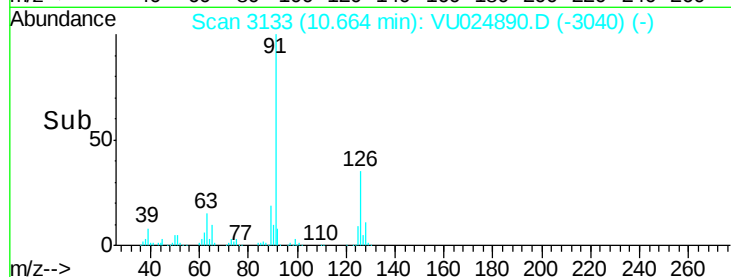
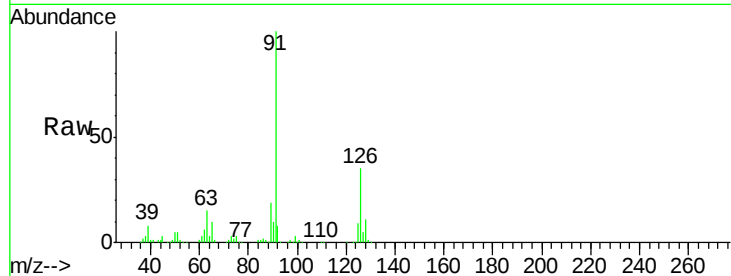
ClientSampleId :

Tot Ion: 91 Resp: 417366

Ion Ratio Lower Upper

91 100

126 35.1 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 47.84 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024890.D

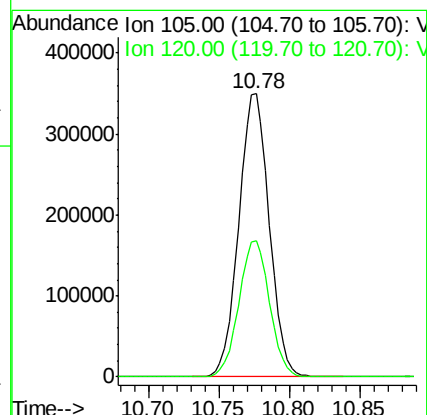
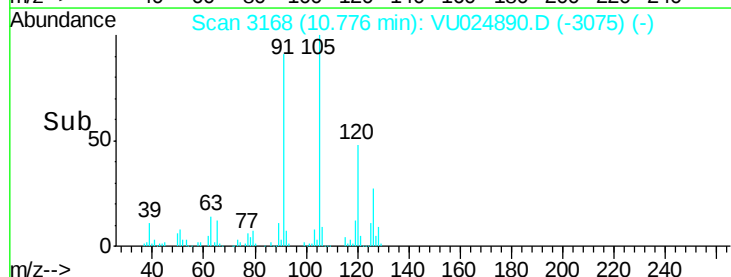
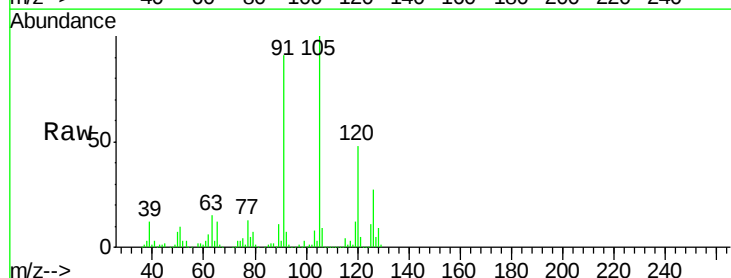
Acq: 25 Jun 2018 21:23

Tgt Ion: 105 Resp: 529851

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 155.54 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

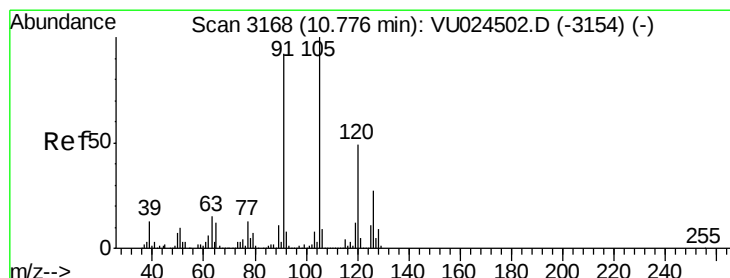
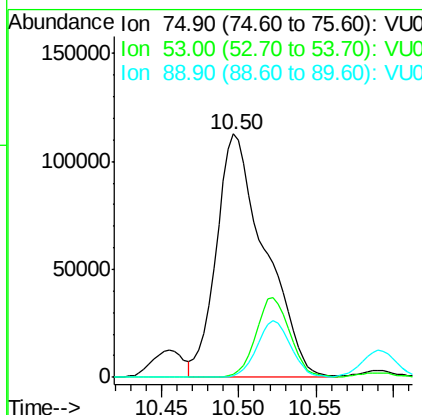
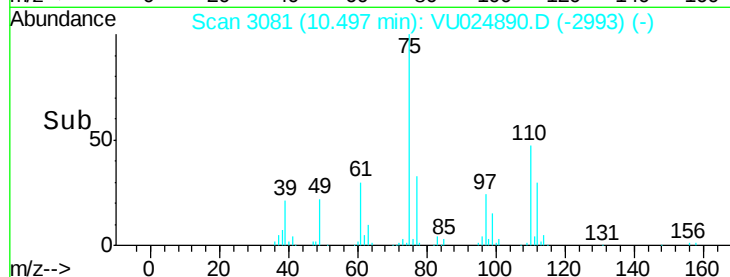
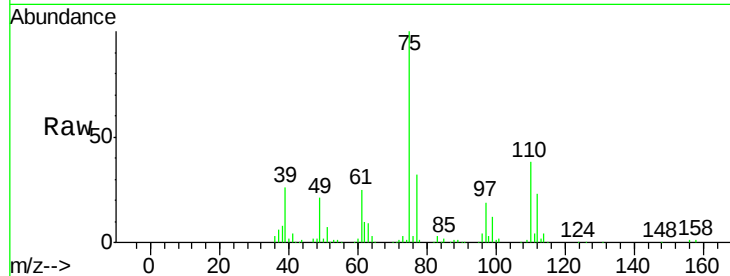
Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 246244

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 47.50 ug/l

RT: 10.78 min Scan# 3168

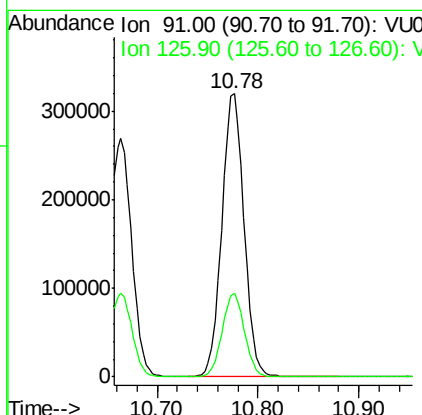
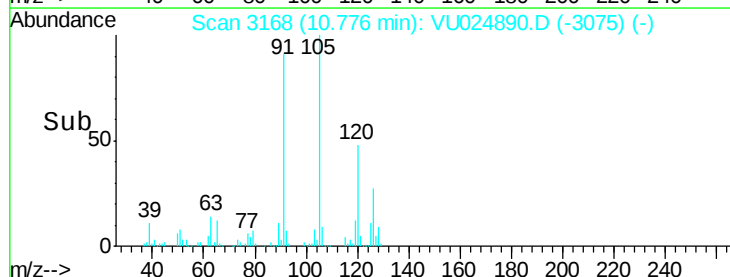
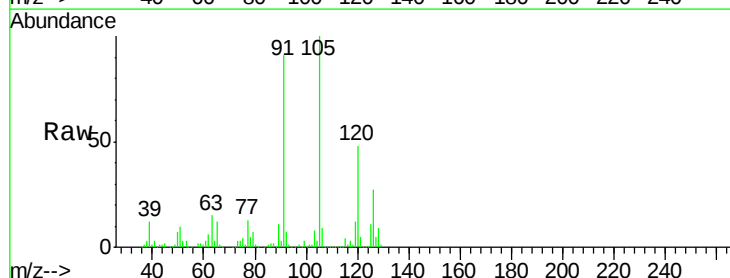
Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Tgt Ion: 91 Resp: 490681

Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.9	44.9





#83

tert-Butylbenzene

Concen: 49.65 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

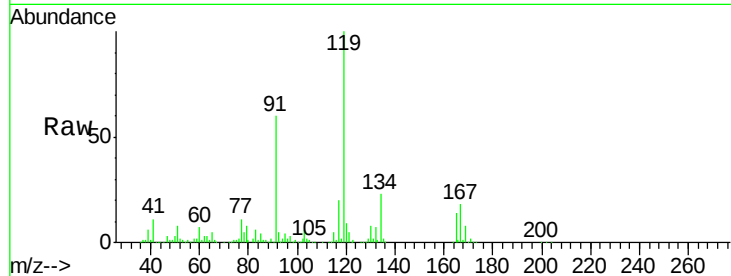
Tot Ion:119 Resp: 528907

Ion Ratio Lower Upper

119 100

91 59.1 29.7 89.1

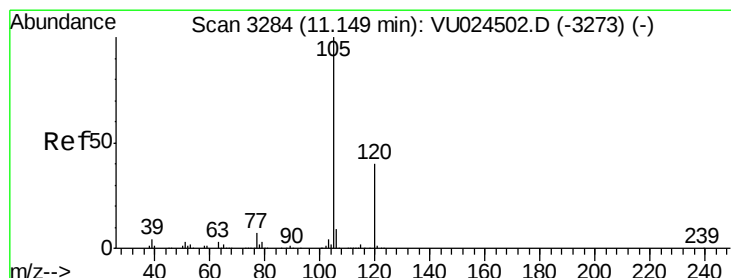
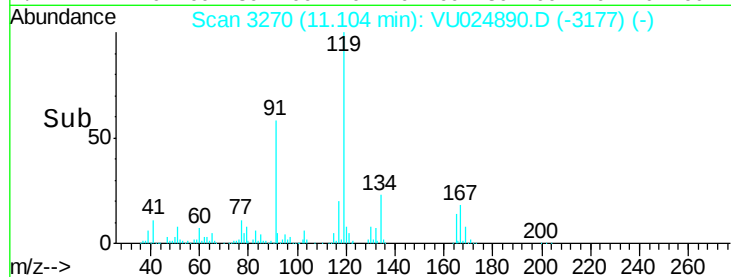
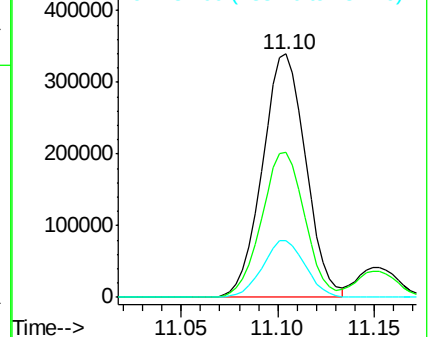
134 23.0 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.02 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024890.D

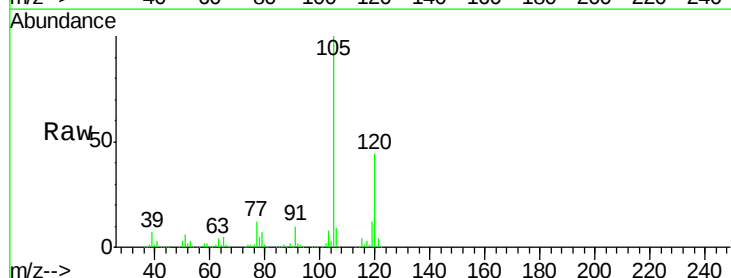
Acq: 25 Jun 2018 21:23

Tgt Ion:105 Resp: 541957

Ion Ratio Lower Upper

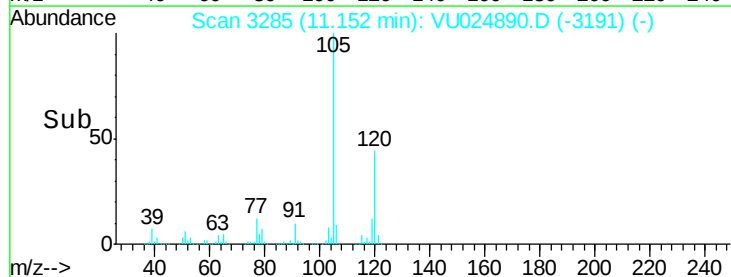
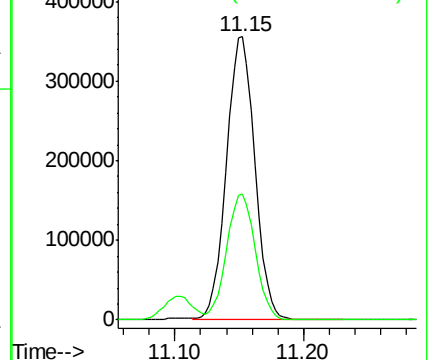
105 100

120 44.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.86 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

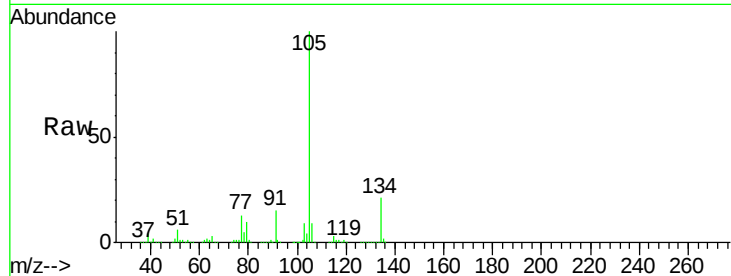
ClientSampleId :

Tot Ion:105 Resp: 638262

Ion Ratio Lower Upper

105 100

134 20.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

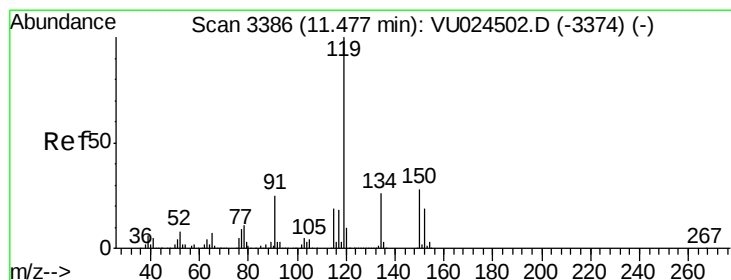
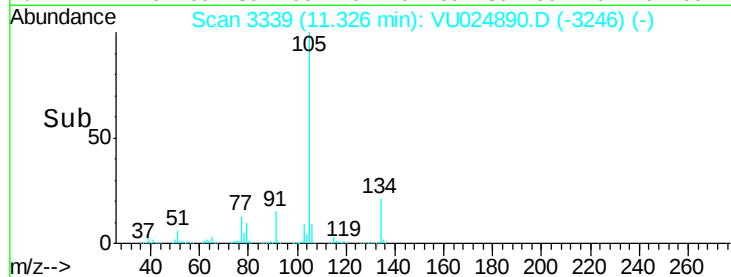
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.90 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

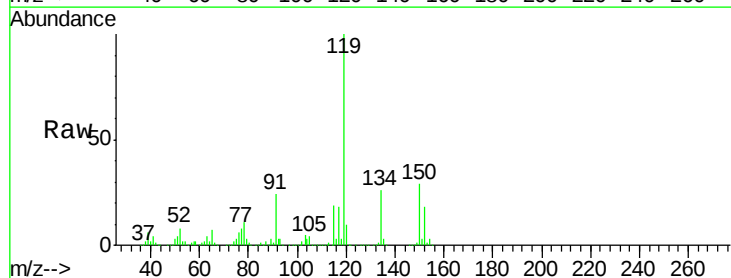
Tgt Ion:119 Resp: 572066

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 24.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

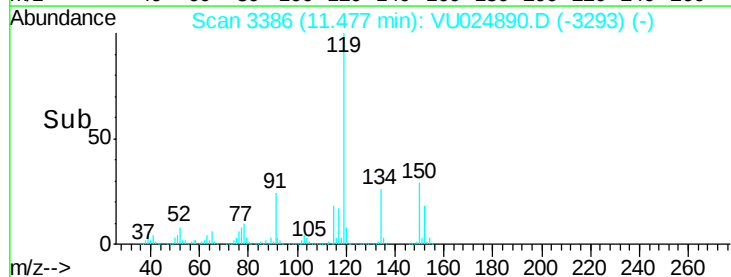
300000

200000

100000

0

Time-->

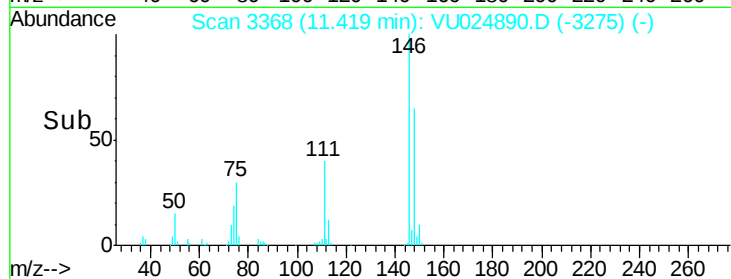
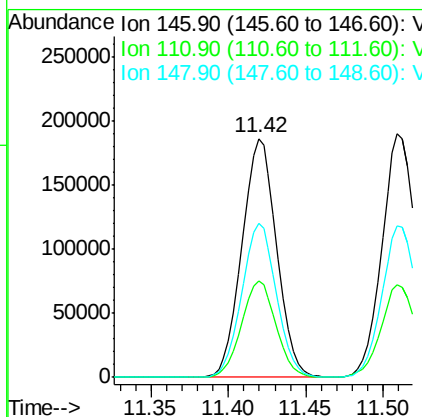
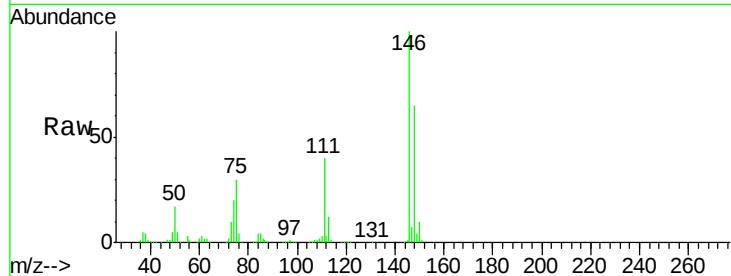




#87
 1,3-Dichlorobenzene
 Concen: 48.66 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

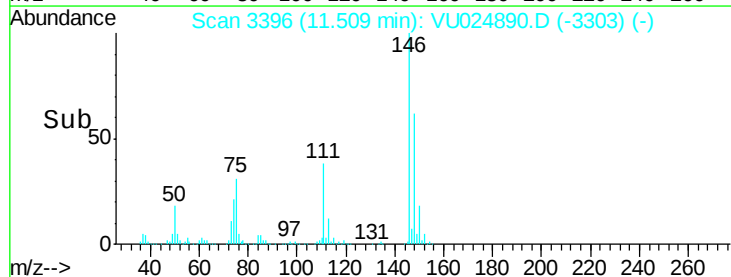
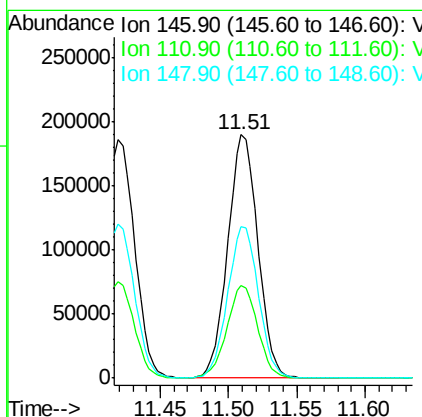
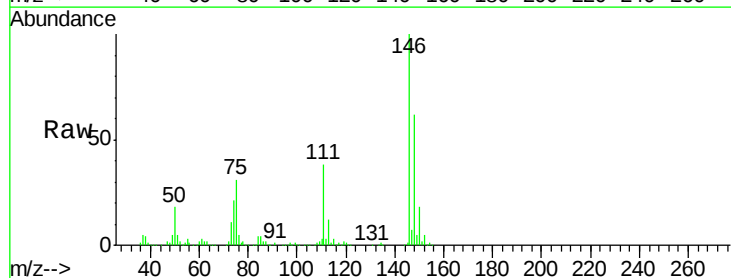
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.43 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 44.74 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampled :

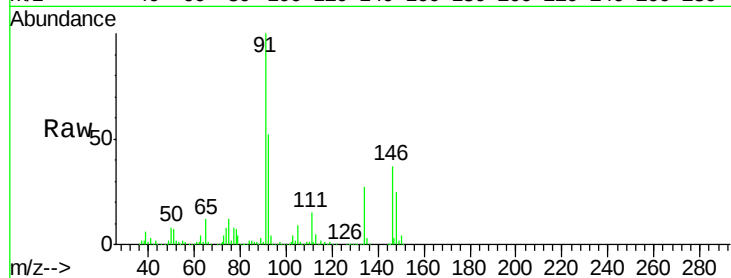
Tot Ion: 91 Resp: 474427

Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.6	76.8
134	26.8	12.3	36.8

91 100

92 52.4 25.6 76.8

134 26.8 12.3 36.8

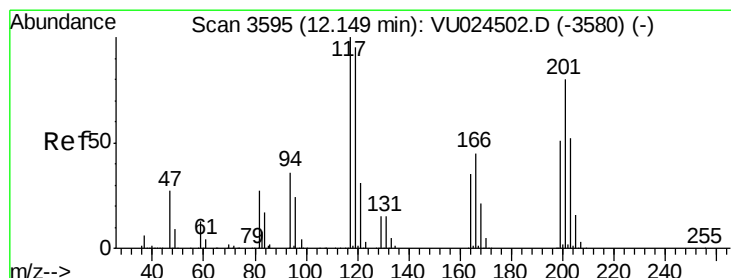
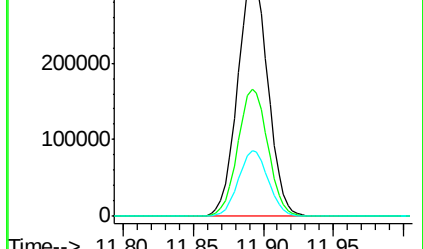
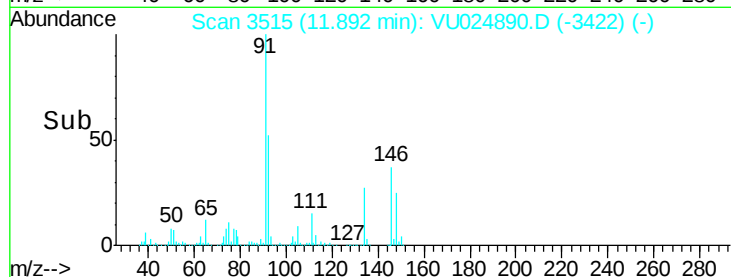


Abundance Ion 91.00 (90.70 to 91.70): VU024890.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU024890.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU024890.D (-3422) (-)

Time-->



#90

Hexachloroethane

Concen: 44.23 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024890.D

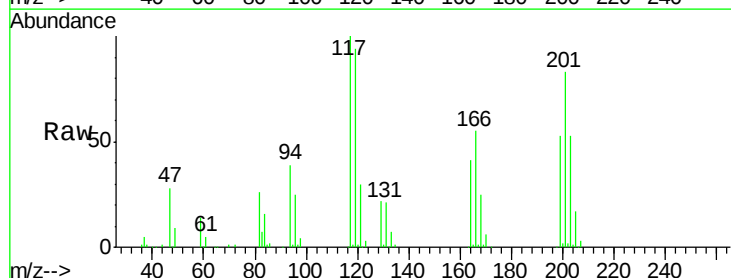
Acq: 25 Jun 2018 21:23

Tgt Ion: 117 Resp: 103054

Ion	Ratio	Lower	Upper
117	100		
201	84.8	41.1	123.3

117 100

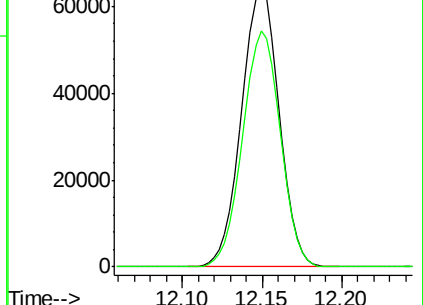
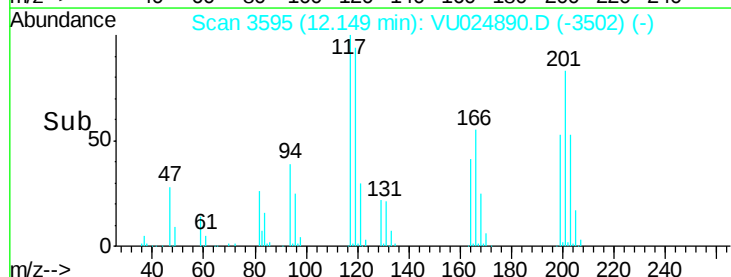
201 84.8 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024890.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU024890.D (-3502) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.39 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

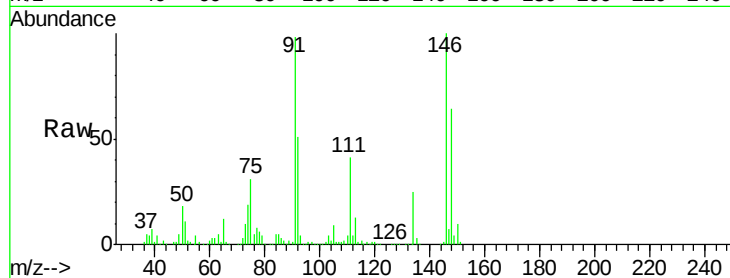
Tot Ion:146 Resp: 301649

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.6

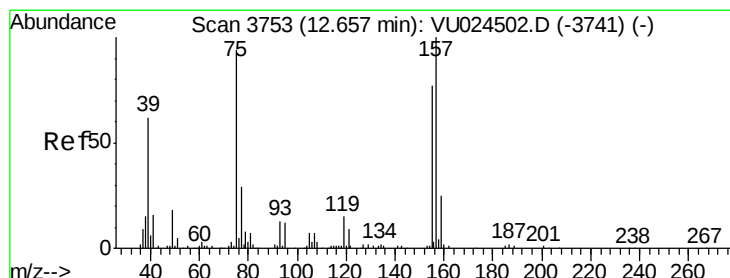
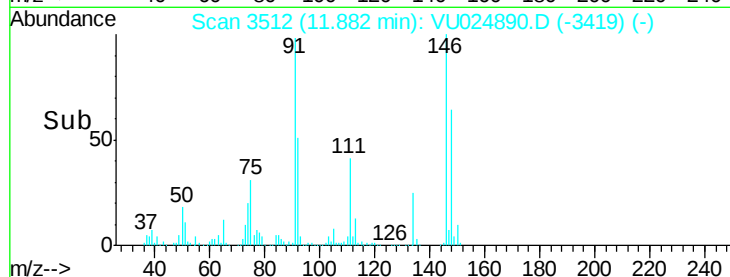
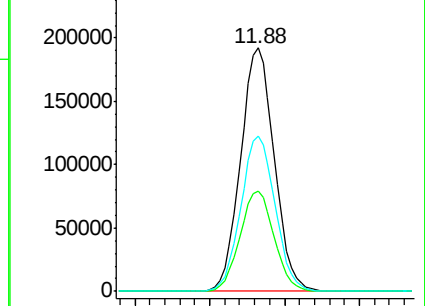
148 64.8 31.9 95.7



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: 47.54 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

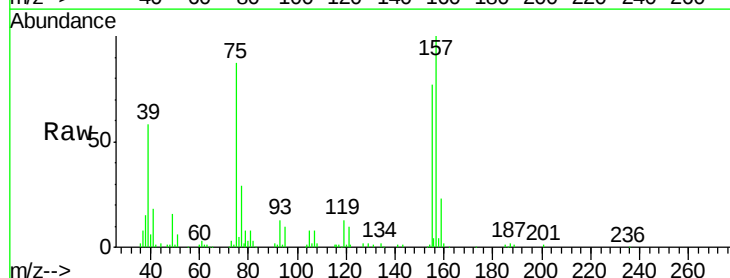
Tgt Ion: 75 Resp: 56163

Ion Ratio Lower Upper

75 100

155 87.9 40.4 121.2

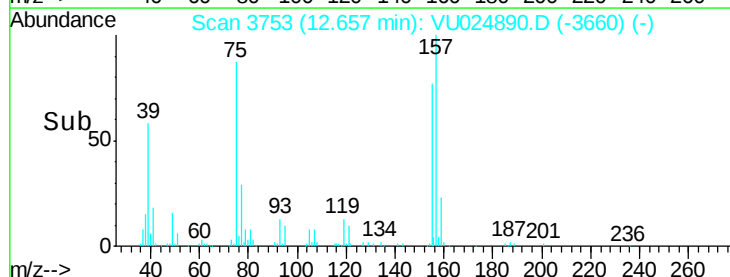
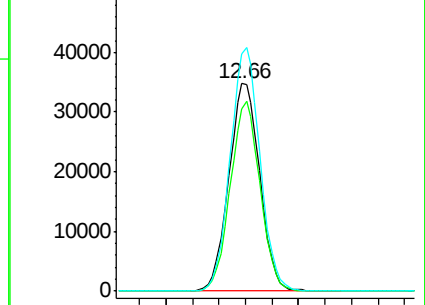
157 112.8 52.3 156.8

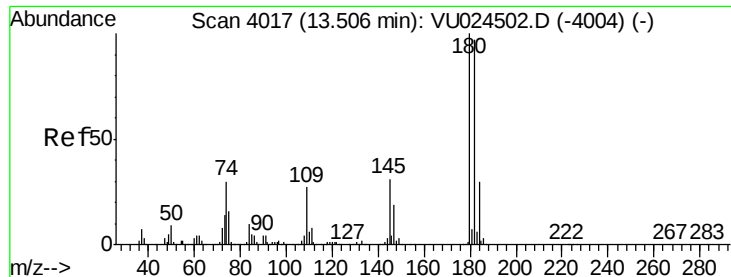


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

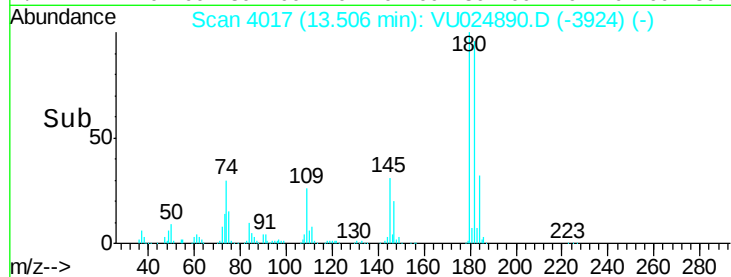
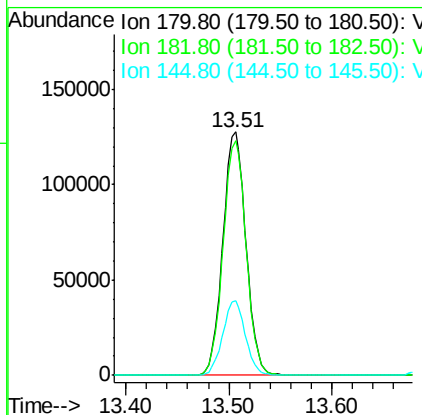
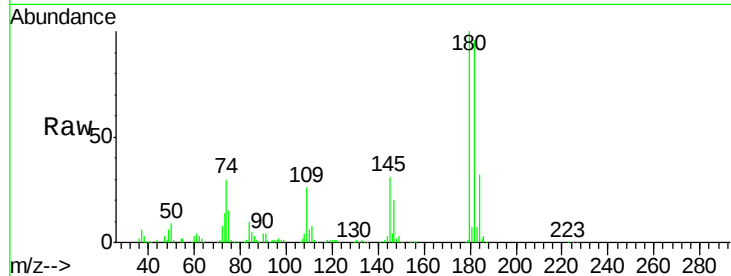




#93
 1,2,4-Trichlorobenzene
 Concen: 53.97 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

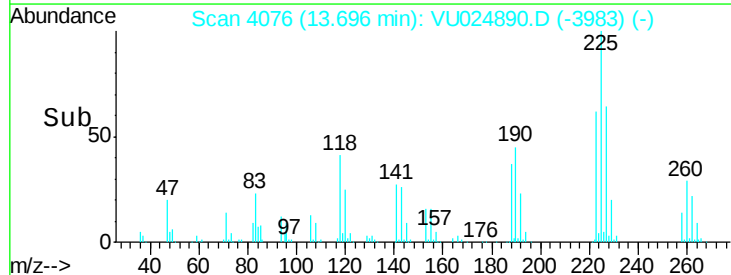
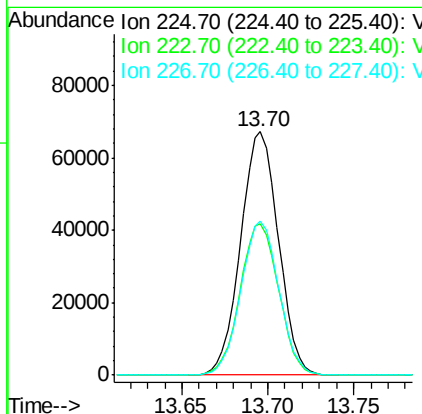
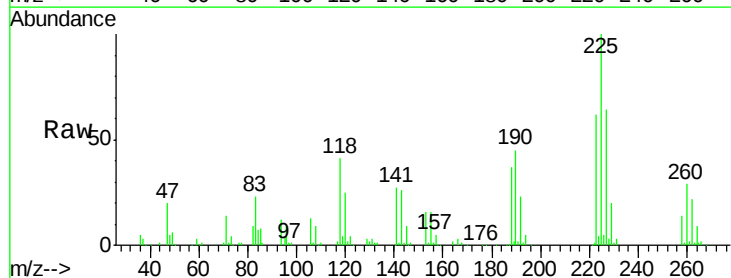
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 199486
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.0 144.2
 145 30.0 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 49.41 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024890.D
 Acq: 25 Jun 2018 21:23

Tgt Ion:225 Resp: 102802
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.8
 227 63.5 31.8 95.4





#95

Naphthalene

Concen: 53.48 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

Instrument :

MSVOA_U

ClientSampleId :

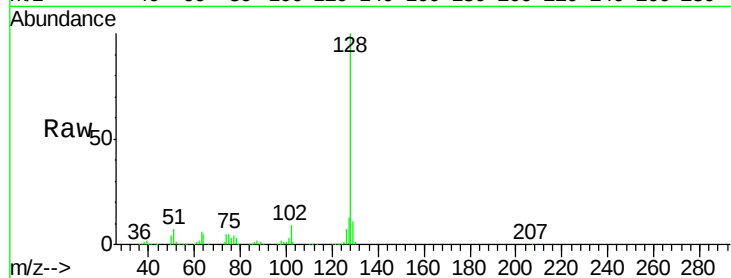
Tot Ion:128 Resp: 655094

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

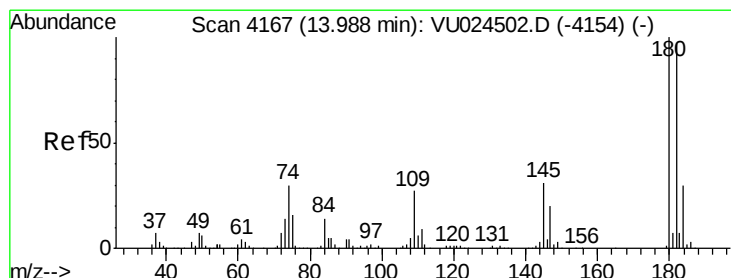
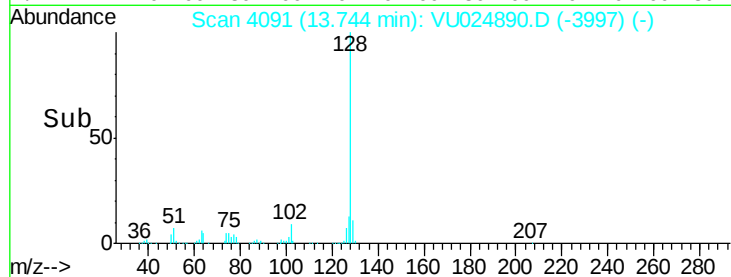
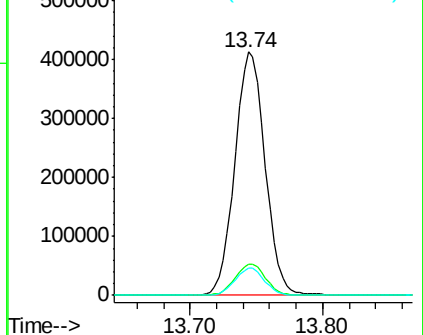
129 11.0 8.6 12.8



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: 57.10 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024890.D

Acq: 25 Jun 2018 21:23

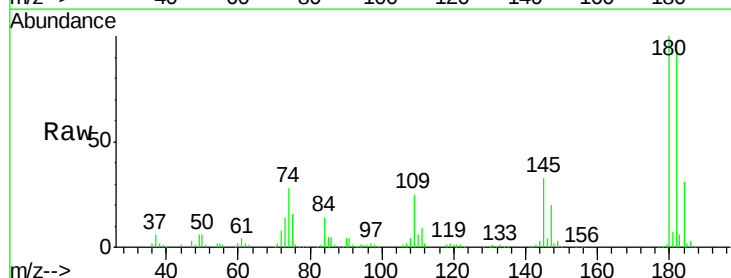
Tgt Ion:180 Resp: 210333

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.7

145 32.4 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

