

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024842.D
 Acq On : 22 Jun 2018 19:26
 Operator : MD/SY
 Sample : VU0623WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 23 02:14:50 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	172885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258051	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144336	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121779	43.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.30%	
35) Dibromofluoromethane	4.89	113	98000	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
50) Toluene-d8	7.57	98	342551	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
62) 4-Bromofluorobenzene	10.31	95	136499	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	38621	17.85	ug/l	99
3) Chloromethane	1.33	50	39034	17.66	ug/l	98
4) Vinyl Chloride	1.40	62	41712	18.29	ug/l	98
5) Bromomethane	1.62	94	26618	24.15	ug/l	94
6) Chloroethane	1.70	64	26936	20.52	ug/l	97
7) Trichlorofluoromethane	1.89	101	68043	19.56	ug/l	98
8) Diethyl Ether	2.10	74	26013	20.87	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38347	17.76	ug/l	96
10) Methyl Iodide	2.41	142	36302	23.06	ug/l	99
11) Tert butyl alcohol	2.82	59	61928	90.22	ug/l	99
12) 1,1-Dichloroethene	2.28	96	35148	17.85	ug/l	92
13) Acrolein	2.19	56	20788	57.67	ug/l	97
14) Allyl chloride	2.59	41	62428	17.08	ug/l	98
15) Acrylonitrile	2.94	53	128581	96.28	ug/l	99
16) Acetone	2.32	43	141632	93.40	ug/l	99
17) Carbon Disulfide	2.48	76	98273	15.59	ug/l	99
18) Methyl Acetate	2.62	43	67677	20.82	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	140604	19.00	ug/l	98
20) Methylene Chloride	2.70	84	43384	18.23	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	39005	17.99	ug/l	95
22) Diisopropyl ether	3.57	45	139981	19.32	ug/l	95
23) Vinyl Acetate	3.53	43	599931	92.43	ug/l	99
24) 1,1-Dichloroethane	3.45	63	77654	18.63	ug/l	99
25) 2-Butanone	4.26	43	197606	97.01	ug/l	96
26) 2,2-Dichloropropane	4.23	77	73653	18.61	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47298	18.98	ug/l	100
28) Bromochloromethane	4.55	49	38869	21.17	ug/l	88
29) Tetrahydrofuran	4.64	42	116135	92.07	ug/l	96
30) Chloroform	4.68	83	81166	19.24	ug/l	98
31) Cyclohexane	5.00	56	72054	18.21	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	73978	18.96	ug/l	97
36) 1,1-Dichloropropene	5.14	75	57241	18.88	ug/l	98
37) Ethyl Acetate	4.38	43	68239	20.65	ug/l	96
38) Carbon Tetrachloride	5.14	117	65293	19.58	ug/l	99

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Quant Time: Jun 23 02:14:50 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)
39) Methylcyclohexane	6.42	83	71108	18.79	ug/l	96
40) Benzene	5.39	78	172674	19.98	ug/l	100
41) Methacrylonitrile	4.55	41	38438	21.57	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69235	21.04	ug/l	99
43) Isopropyl Acetate	5.55	43	112699	19.73	ug/l	99
44) Trichloroethene	6.19	130	47336	19.25	ug/l	95
45) 1,2-Dichloropropane	6.44	63	46556	20.19	ug/l	98
46) Dibromomethane	6.56	93	33963	20.97	ug/l	99
47) Bromodichloromethane	6.76	83	63078	19.56	ug/l	98
48) Methyl methacrylate	6.63	41	55229	19.85	ug/l	98
49) 1,4-Dioxane	6.62	88	26570	488.40	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	368465	102.66	ug/l	99
52) Toluene	7.64	92	109437	19.69	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	68460	18.90	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	72673	18.83	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45948	20.33	ug/l	99
56) Ethyl methacrylate	8.02	69	74514	19.70	ug/l	97
57) 1,3-Dichloropropane	8.25	76	77558	20.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	97859	67.54	ug/l	95
59) 2-Hexanone	8.36	43	294602	100.54	ug/l	100
60) Dibromochloromethane	8.48	129	51965	18.44	ug/l	99
61) 1,2-Dibromoethane	8.59	107	49507	19.68	ug/l	99
64) Tetrachloroethene	8.23	164	42417	18.19	ug/l	97
65) Chlorobenzene	9.12	112	126249	20.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	47246	19.85	ug/l	98
67) Ethyl Benzene	9.25	91	214786	19.55	ug/l	99
68) m/p-Xylenes	9.38	106	166622	39.50	ug/l	97
69) o-Xylene	9.78	106	84004	20.12	ug/l	97
70) Styrene	9.80	104	132060	19.25	ug/l	97
71) Bromoform	9.96	173	40244	17.79	ug/l #	100
73) Isopropylbenzene	10.17	105	226173	20.41	ug/l	100
74) N-amyl acetate	10.01	43	98631	18.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	78868	21.24	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	90219	28.39	ug/l	84
77) Bromobenzene	10.45	156	57135	20.37	ug/l	95
78) n-propylbenzene	10.59	91	249656	19.12	ug/l	98
79) 2-Chlorotoluene	10.66	91	153030	19.88	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	191040	19.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	90219	65.71	ug/l #	100
82) 4-Chlorotoluene	10.78	91	175350	19.57	ug/l	100
83) tert-Butylbenzene	11.10	119	194016	21.00	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	194933	19.92	ug/l	100
85) sec-Butylbenzene	11.33	105	230335	19.92	ug/l	98
86) p-Isopropyltoluene	11.48	119	200542	19.36	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	103227	19.92	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	102540	19.66	ug/l	99
89) n-Butylbenzene	11.89	91	162990	17.72	ug/l	97
90) Hexachloroethane	12.15	117	36333	17.98	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	108437	20.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20311	19.82	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	69623	21.72	ug/l	99
94) Hexachlorobutadiene	13.70	225	36110	20.01	ug/l	97
95) Naphthalene	13.74	128	236990	22.71	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	73846	23.12	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

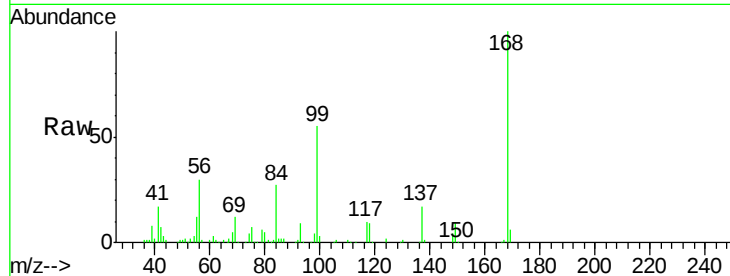
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 172885

Ion Ratio Lower Upper

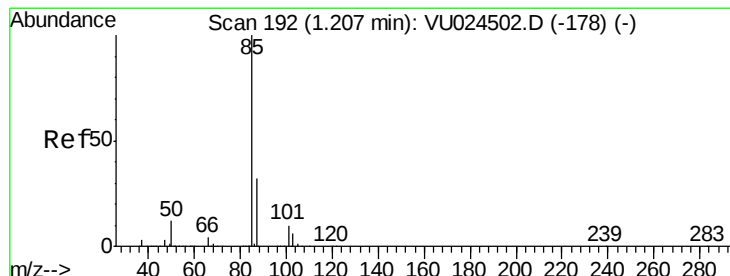
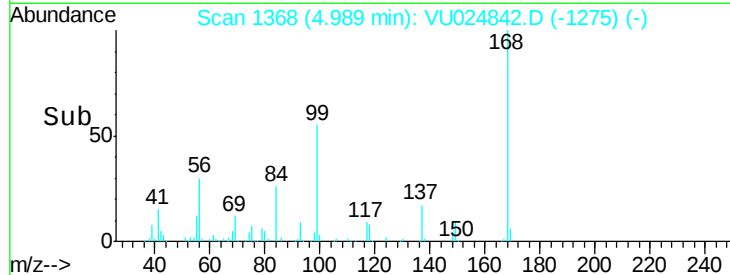
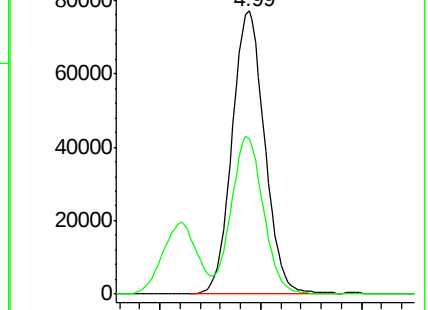
168 100

99 54.6 43.2 64.8



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

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



#2

Dichlorodifluoromethane

Concen: 17.85 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024842.D

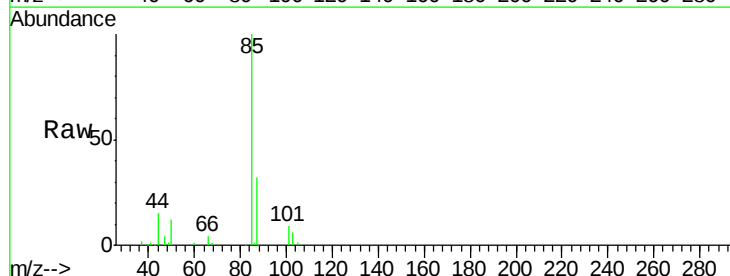
Acq: 22 Jun 2018 19:26

Tgt Ion: 85 Resp: 38621

Ion Ratio Lower Upper

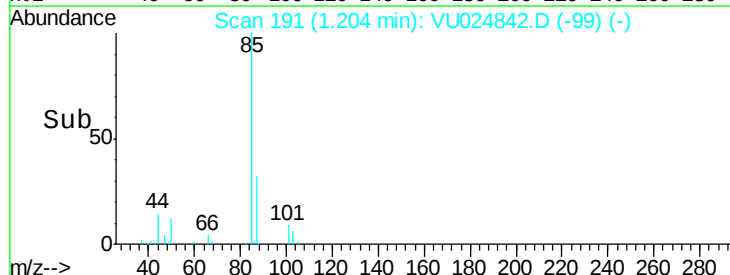
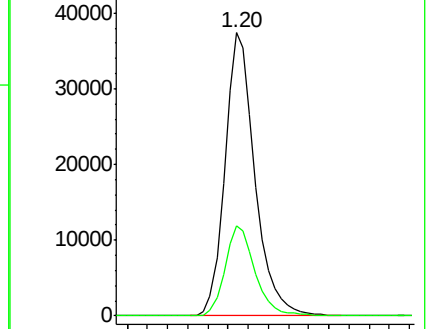
85 100

87 31.8 16.1 48.2



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

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

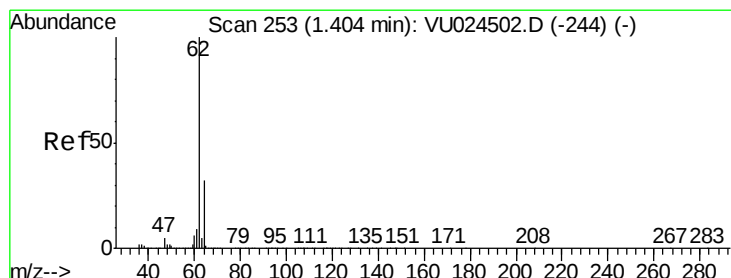
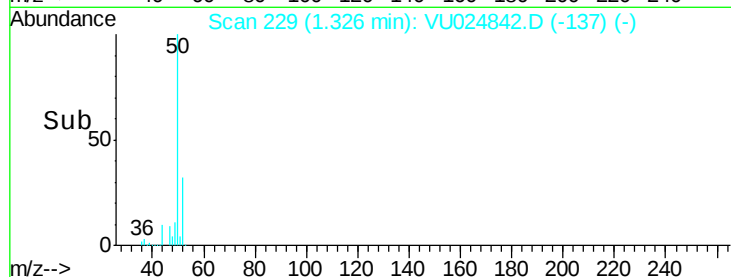
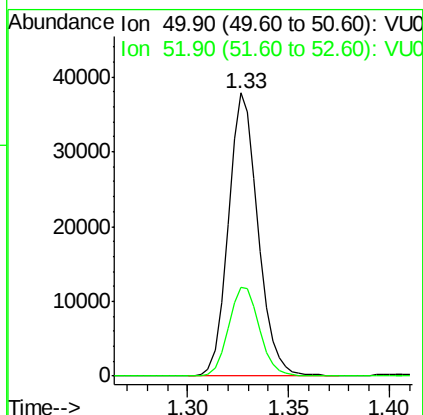
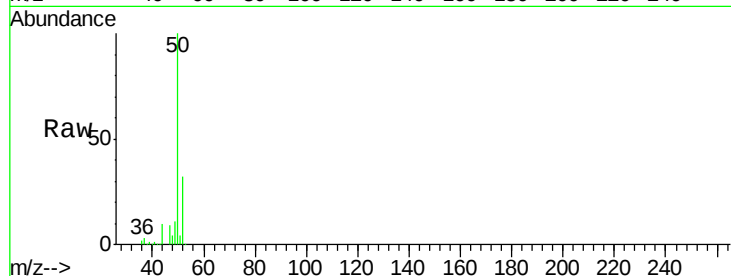




#3
Chloromethane
Concen: 17.66 ug/l
RT: 1.33 min Scan# 229
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

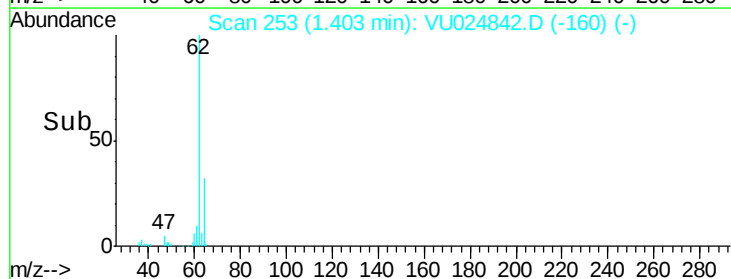
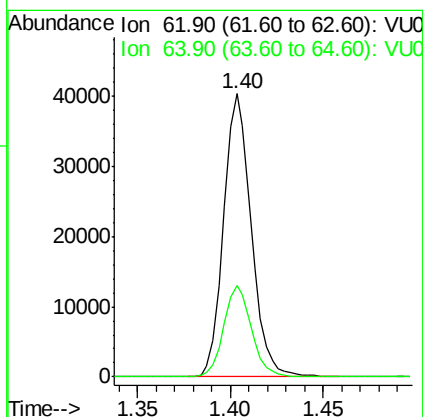
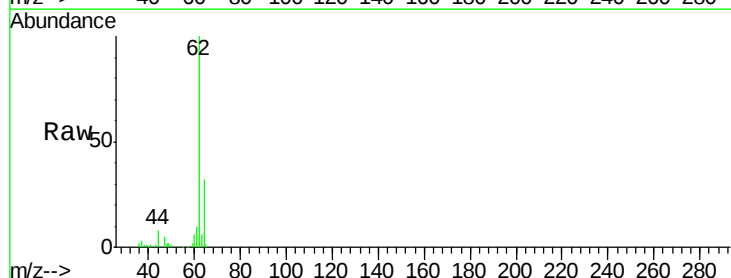
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 39034
Ion Ratio Lower Upper
50 100
52 31.6 26.4 39.6



#4
Vinyl Chloride
Concen: 18.29 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion: 62 Resp: 41712
Ion Ratio Lower Upper
62 100
64 32.3 24.8 37.2





#5

Bromomethane

Concen: 24.15 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

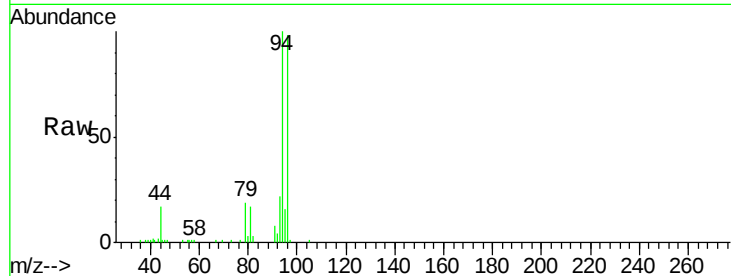
ClientSampleId :

Tot Ion: 94 Resp: 26618

Ion Ratio Lower Upper

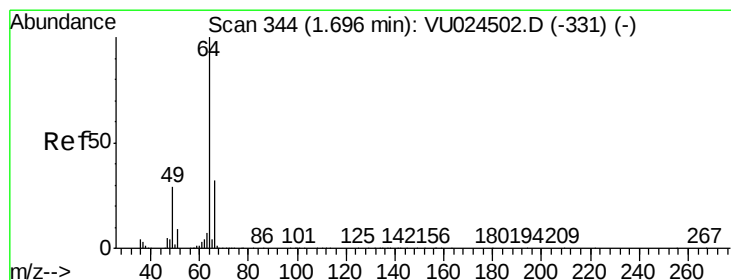
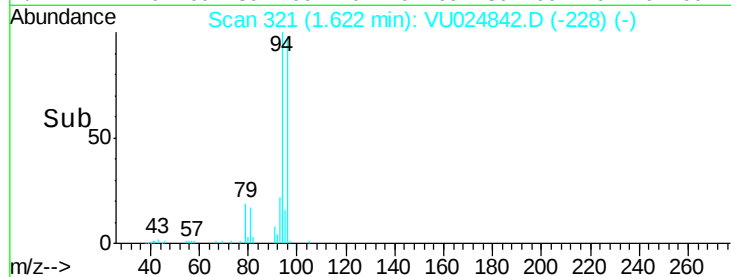
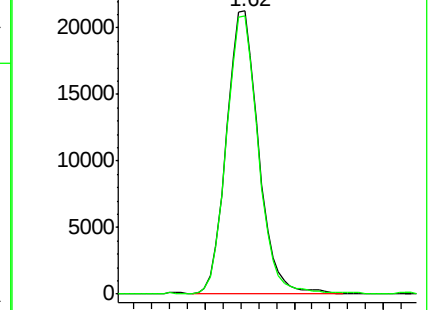
94 100

96 98.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU024842.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024842.D (-228) (-)



#6

Chloroethane

Concen: 20.52 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024842.D

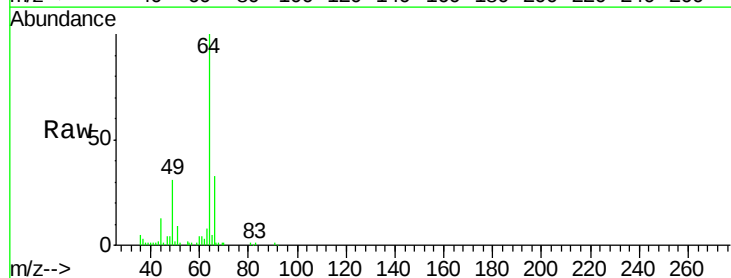
Acq: 22 Jun 2018 19:26

Tgt Ion: 64 Resp: 26936

Ion Ratio Lower Upper

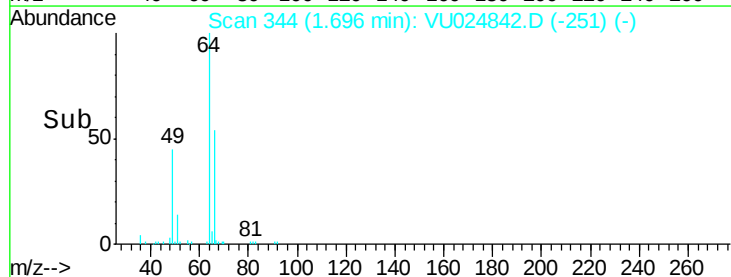
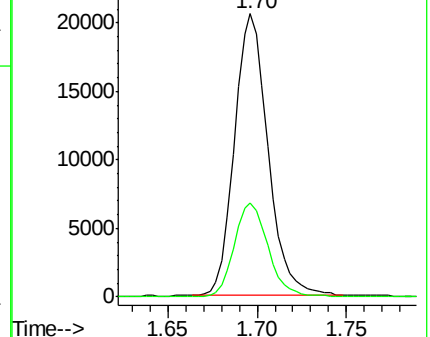
64 100

66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024842.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024842.D (-251) (-)



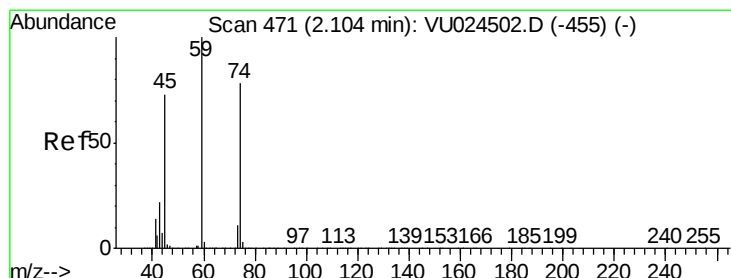
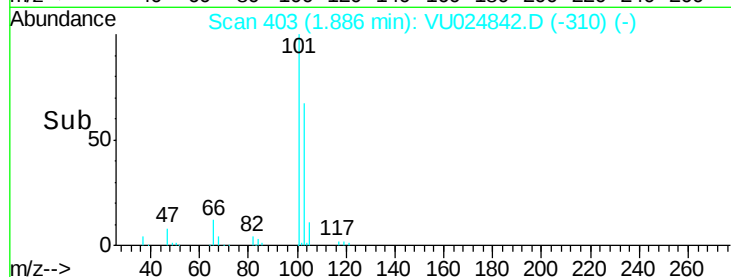
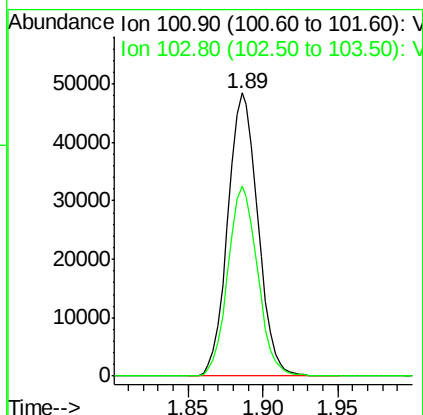
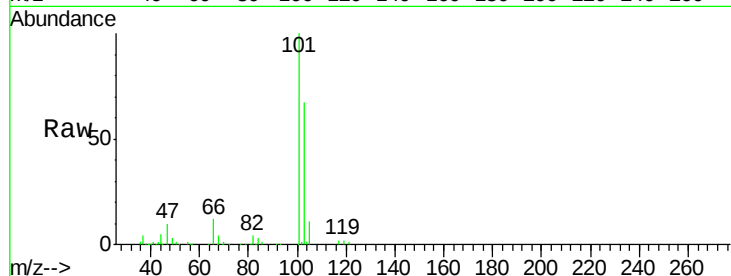


#7

Trichlorofluoromethane
Concen: 19.56 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :

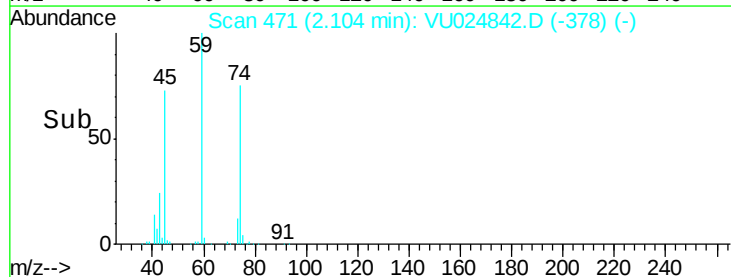
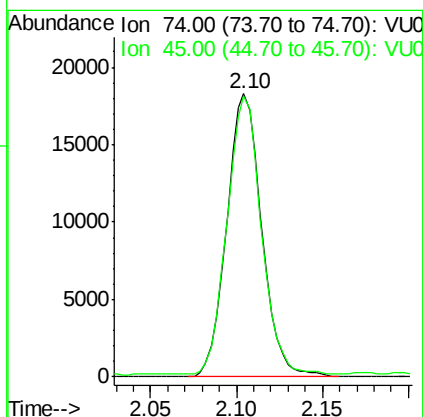
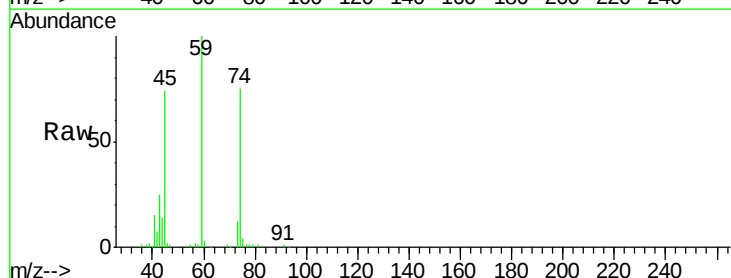
Tot Ion:101 Resp: 68043
Ion Ratio Lower Upper
101 100
103 67.2 52.3 78.5

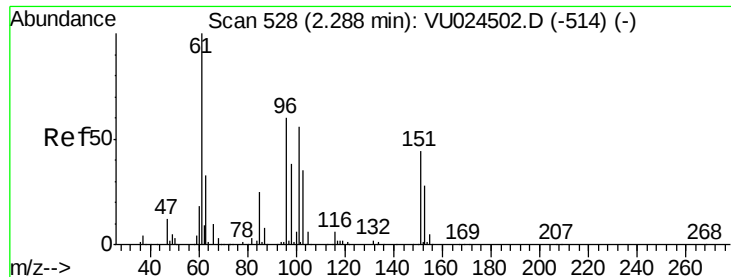


#8

Diethyl Ether
Concen: 20.87 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion: 74 Resp: 26013
Ion Ratio Lower Upper
74 100
45 96.2 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.76 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

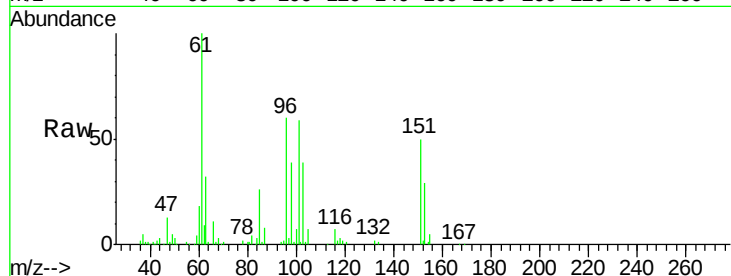
Tot Ion:101 Resp: 38347

Ion Ratio Lower Upper

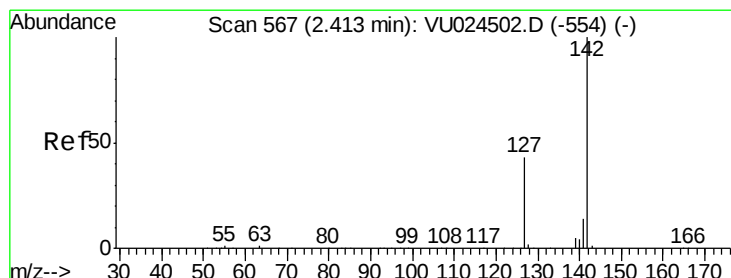
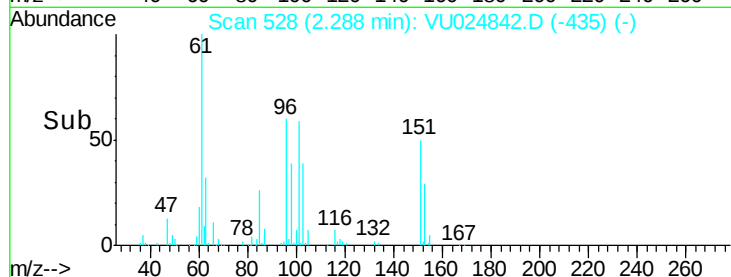
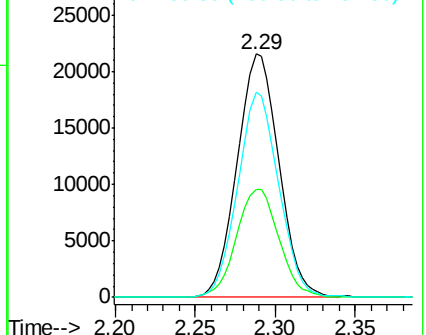
101 100

85 45.2 36.0 54.0

151 82.7 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.06 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

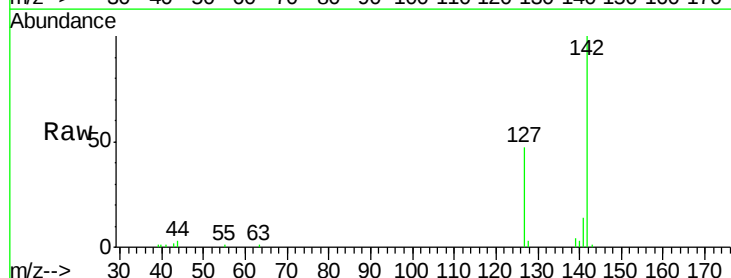
Tgt Ion:142 Resp: 36302

Ion Ratio Lower Upper

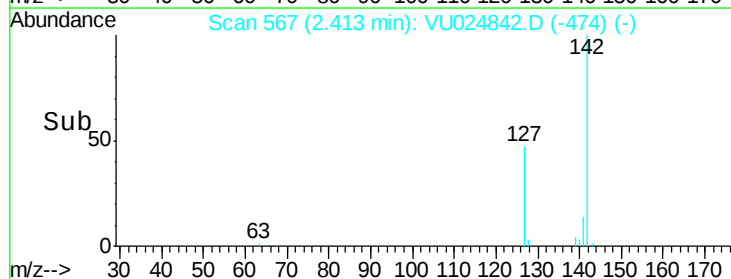
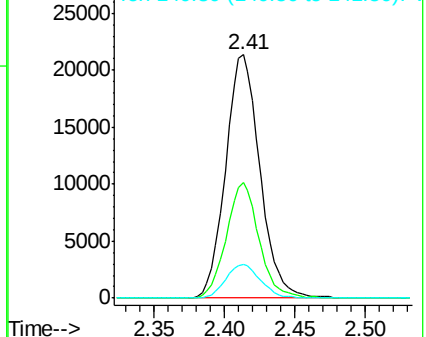
142 100

127 44.9 35.6 53.4

141 13.8 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.22 ug/l

RT: 2.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

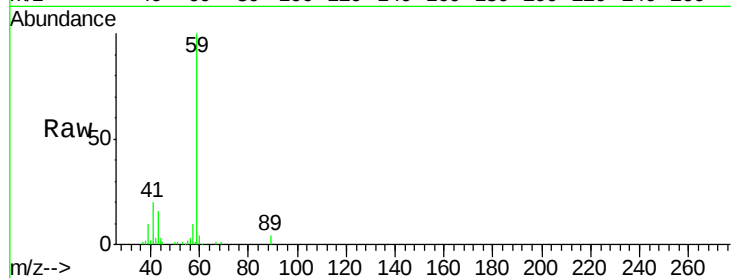
ClientSampleId :

Tot Ion: 59 Resp: 61928

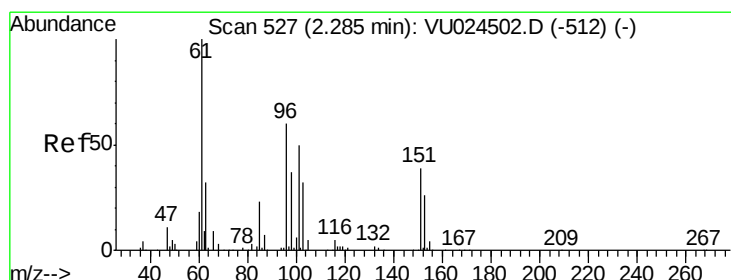
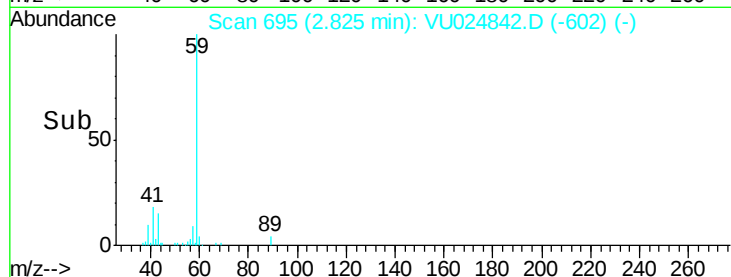
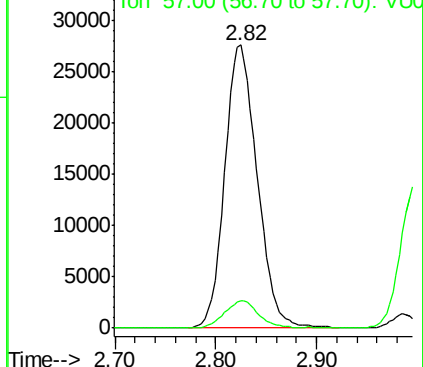
Ion Ratio Lower Upper

59 100

57 10.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU024842.D (-602) (-)



#12

1,1-Dichloroethene

Concen: 17.85 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

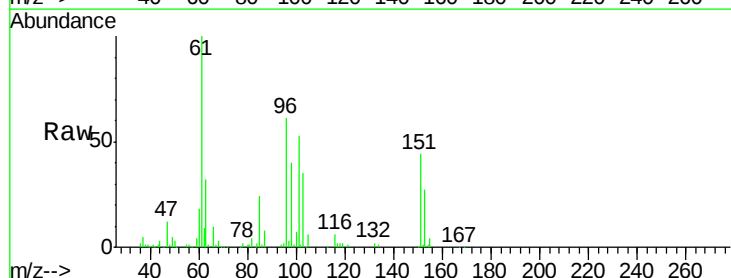
Tgt Ion: 96 Resp: 35148

Ion Ratio Lower Upper

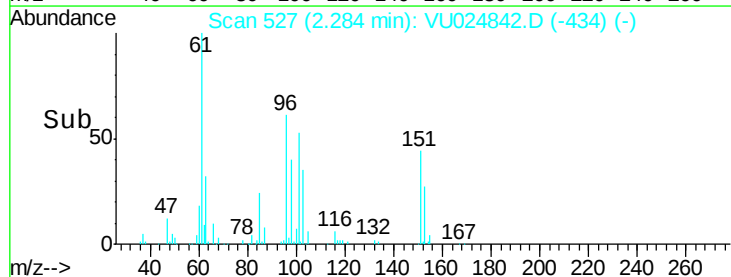
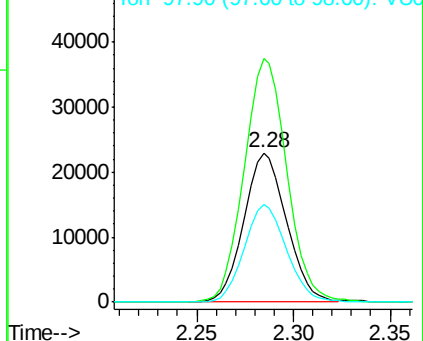
96 100

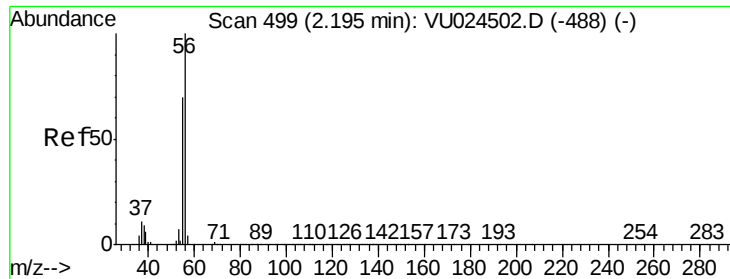
61 162.8 141.7 212.5

98 65.3 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU024842.D (-434) (-)





#13

Acrolein

Concen: 57.67 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

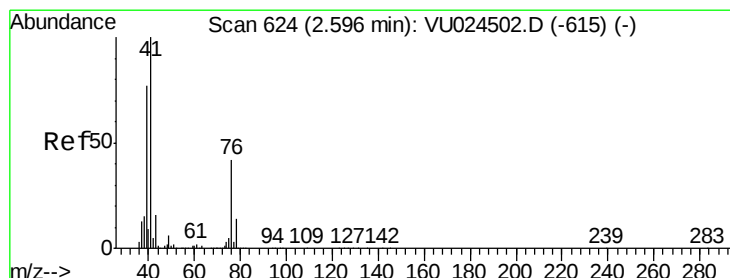
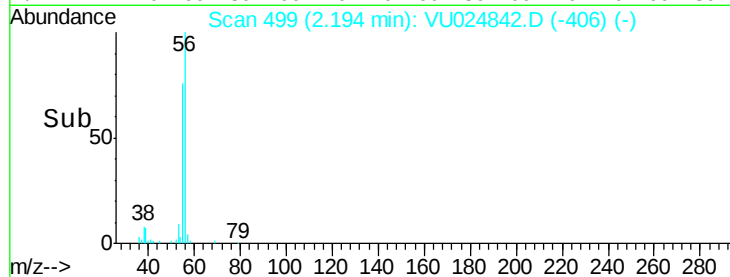
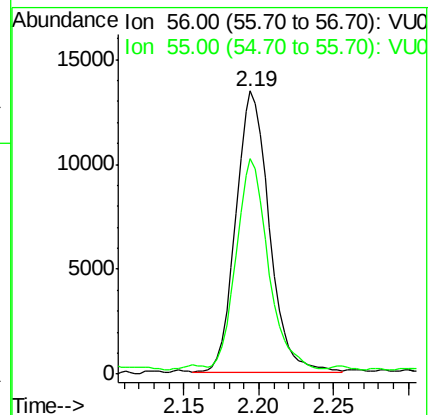
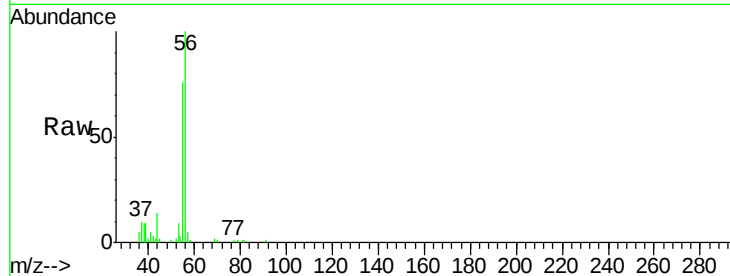
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 20788

Ion Ratio Lower Upper

56 100

55 70.9 58.4 87.6



#14

Allyl chloride

Concen: 17.08 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

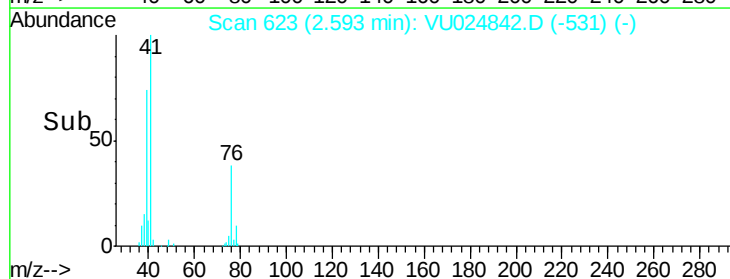
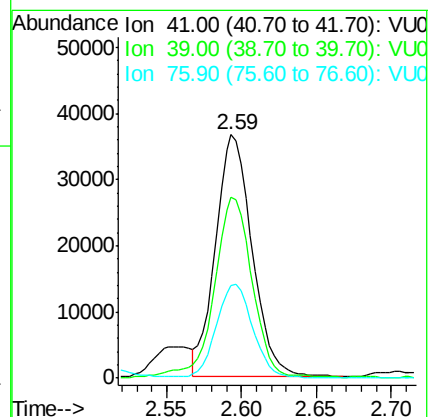
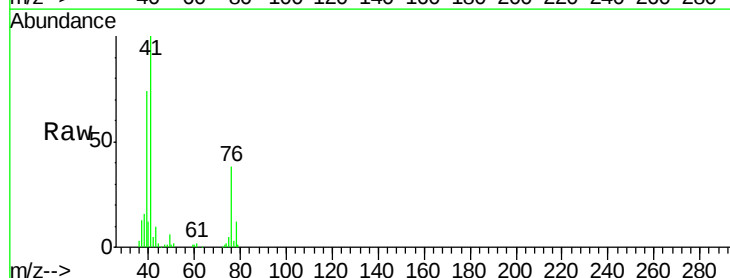
Tgt Ion: 41 Resp: 62428

Ion Ratio Lower Upper

41 100

39 78.2 61.6 92.4

76 38.9 29.7 44.5





#15

Acrylonitrile

Concen: 96.28 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :

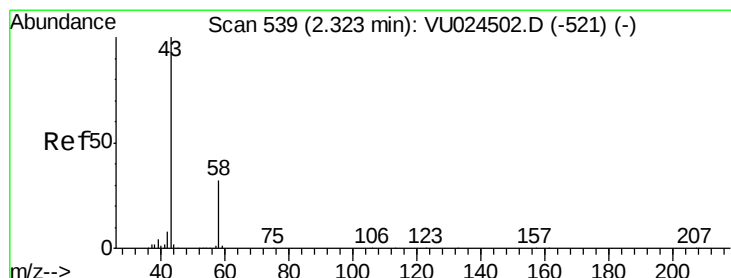
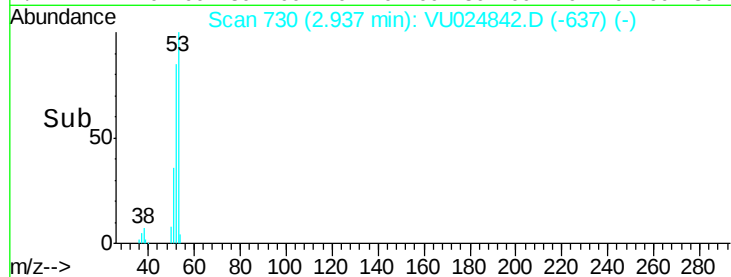
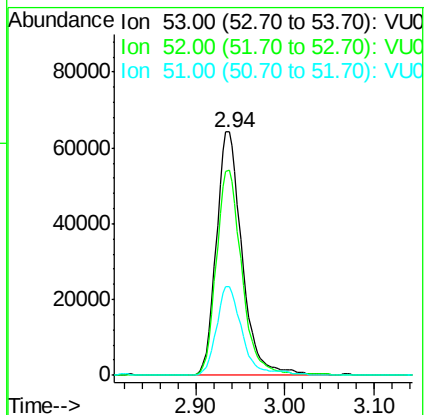
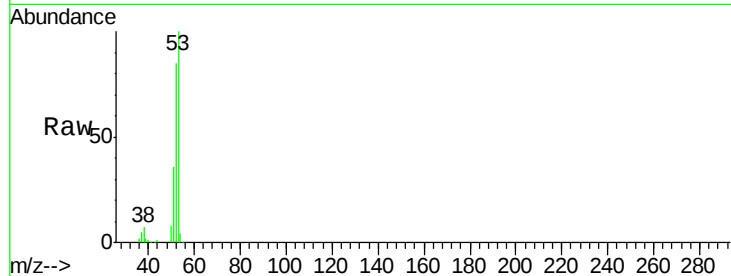
Tot Ion: 53 Resp: 128581

Ion Ratio Lower Upper

53 100

52 82.8 67.1 100.7

51 35.7 28.4 42.6



#16

Acetone

Concen: 93.40 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024842.D

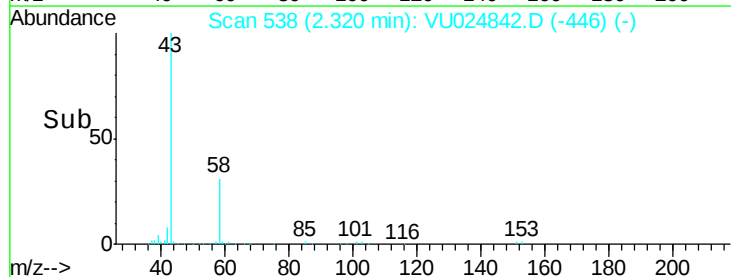
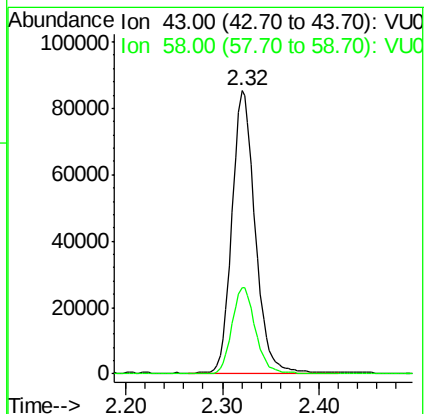
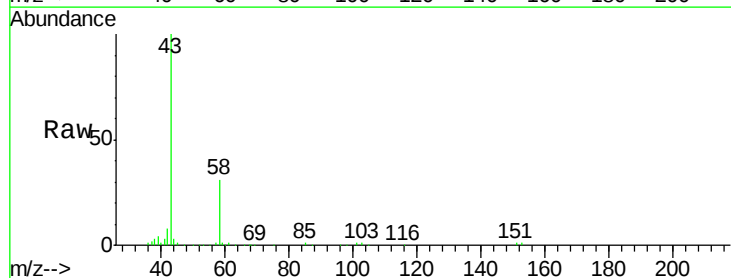
Acq: 22 Jun 2018 19:26

Tgt Ion: 43 Resp: 141632

Ion Ratio Lower Upper

43 100

58 30.8 24.4 36.6





#17

Carbon Disulfide

Concen: 15.59 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

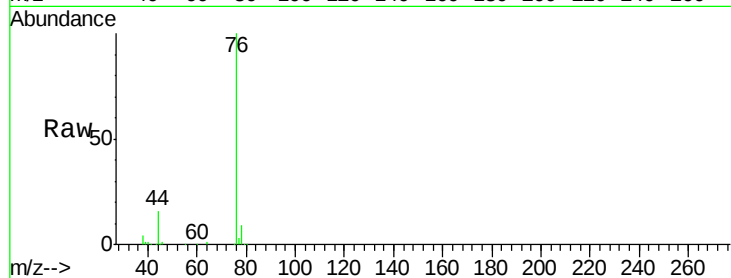
ClientSampleId :

Tot Ion: 76 Resp: 98273

Ion Ratio Lower Upper

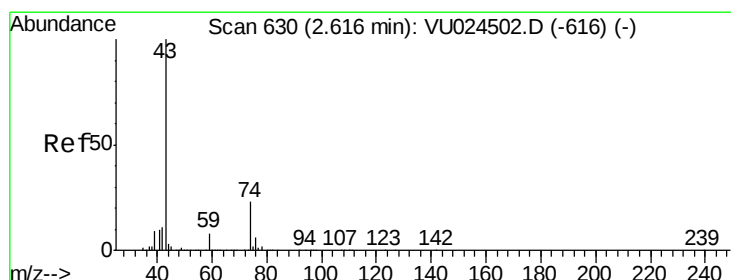
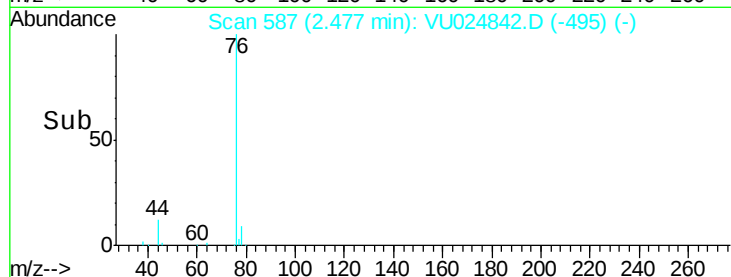
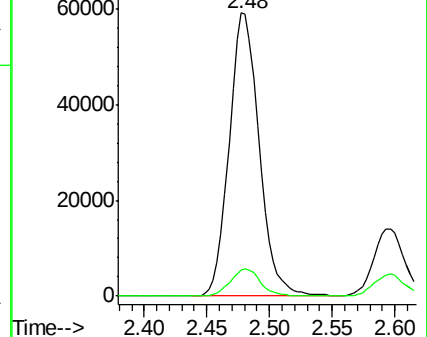
76 100

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: 20.82 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024842.D

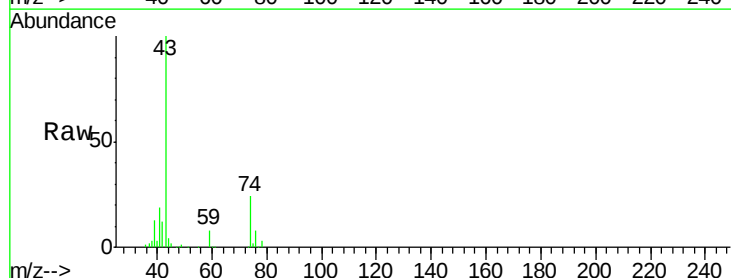
Acq: 22 Jun 2018 19:26

Tgt Ion: 43 Resp: 67677

Ion Ratio Lower Upper

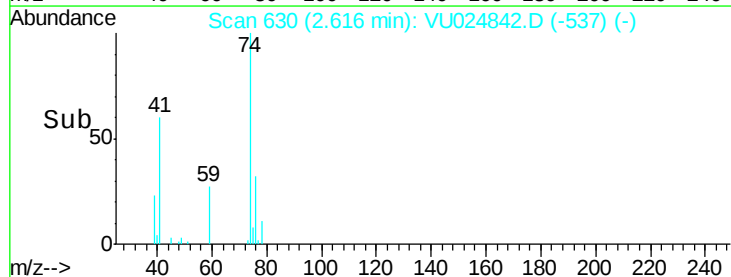
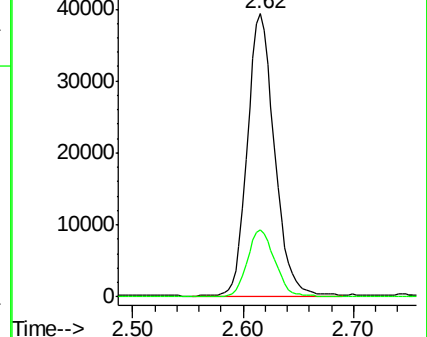
43 100

74 23.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



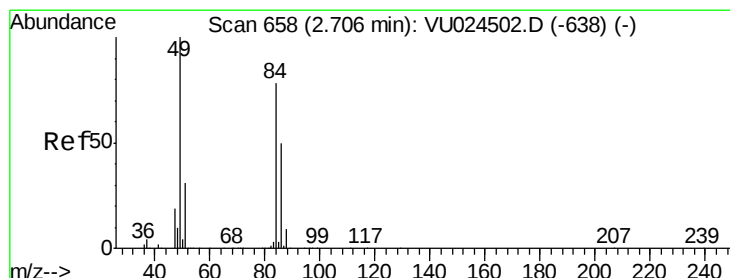
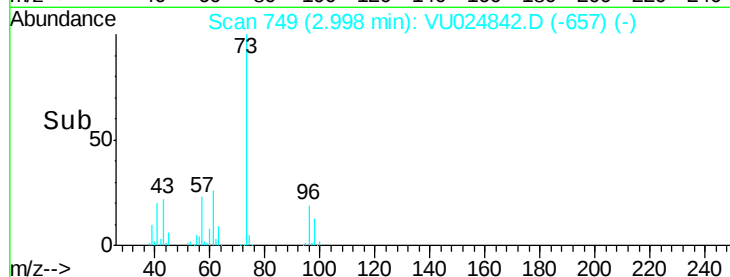
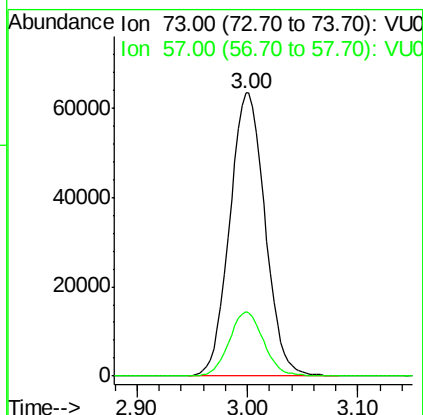
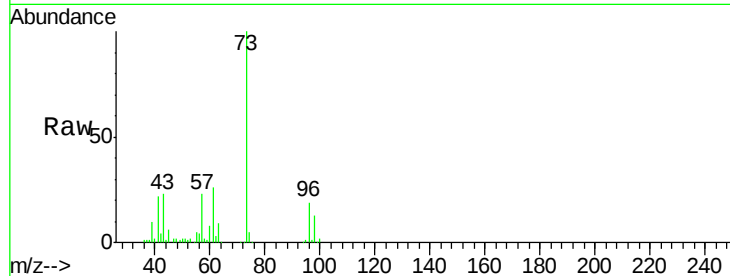


#19

Methyl tert-butyl Ether
 Concen: 19.00 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Instrument :
 MSVOA_U
 ClientSampleId :

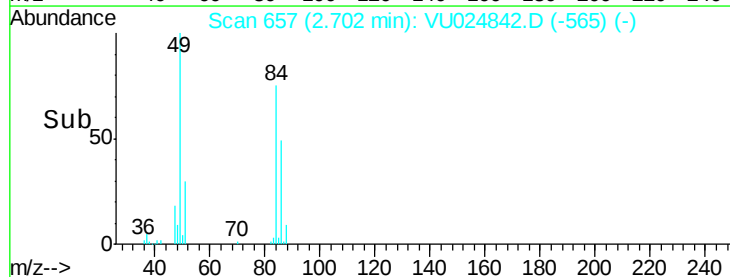
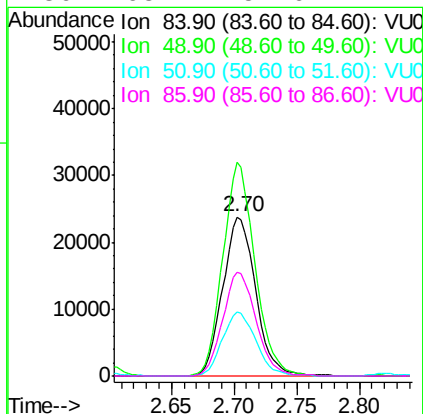
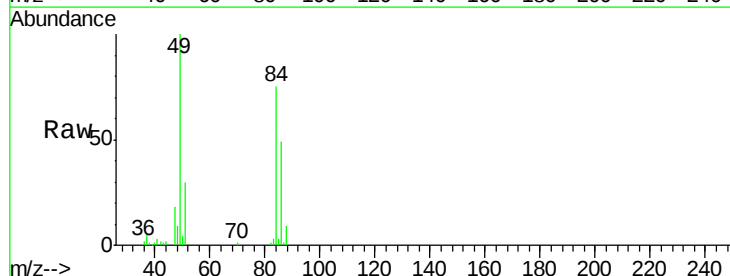
Tot Ion: 73 Resp: 140604
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.8 28.2



#20

Methylene Chloride
 Concen: 18.23 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion: 84 Resp: 43384
 Ion Ratio Lower Upper
 84 100
 49 134.1 103.8 155.8
 51 40.4 32.0 48.0
 86 65.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 17.99 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

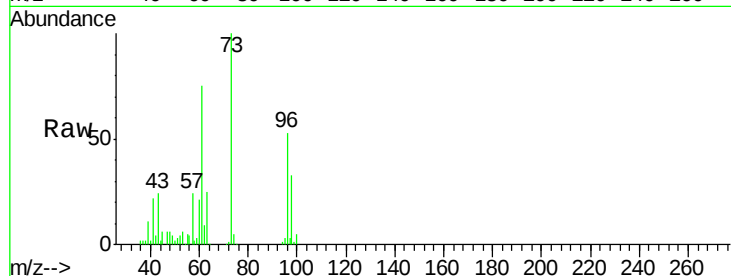
Tot Ion: 96 Resp: 39005

Ion Ratio Lower Upper

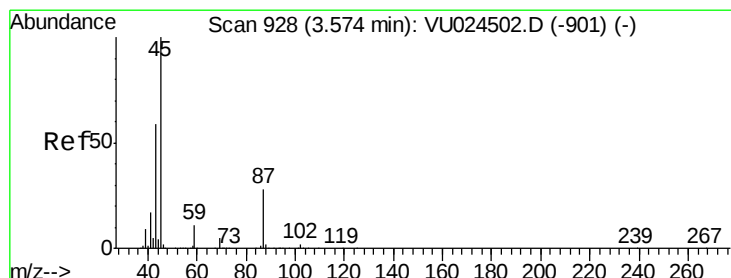
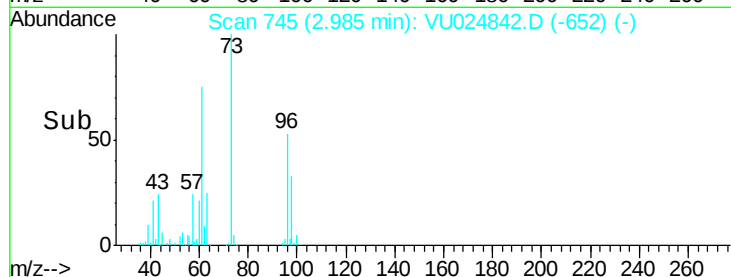
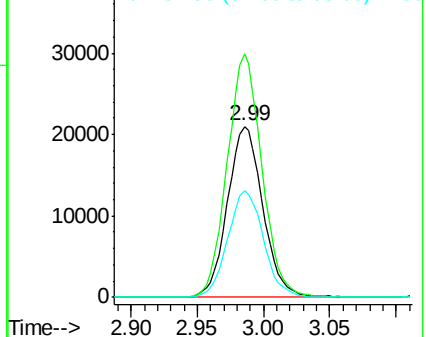
96 100

61 142.2 119.4 179.0

98 62.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.32 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Tgt Ion: 45 Resp: 139981

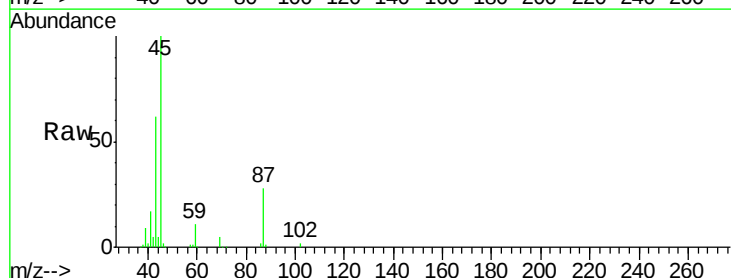
Ion Ratio Lower Upper

45 100

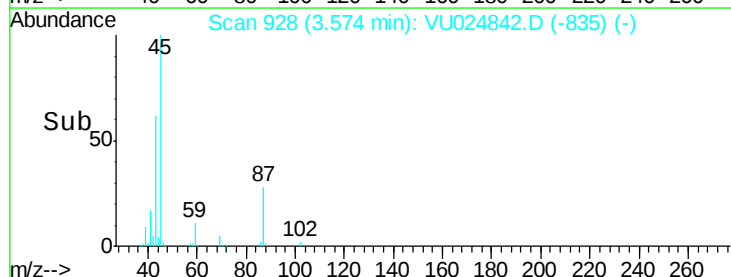
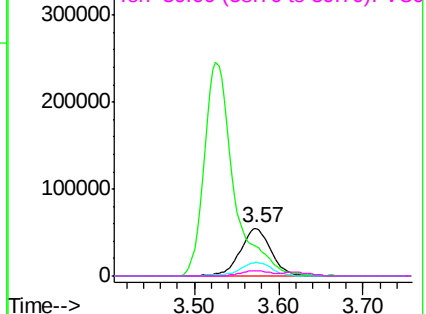
43 61.0 45.8 68.6

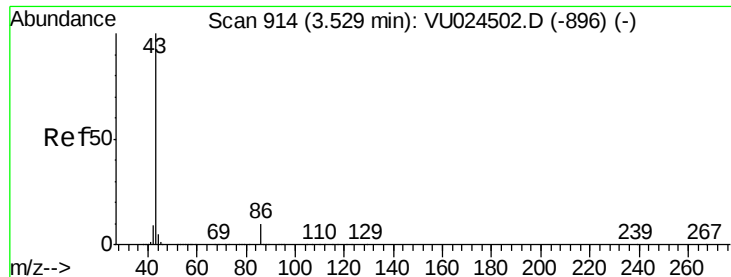
87 28.4 20.6 31.0

59 11.5 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 92.43 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

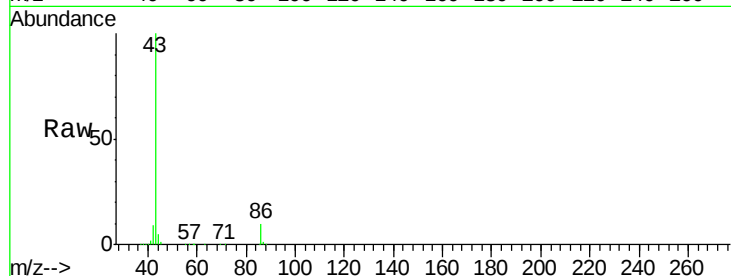
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 599931

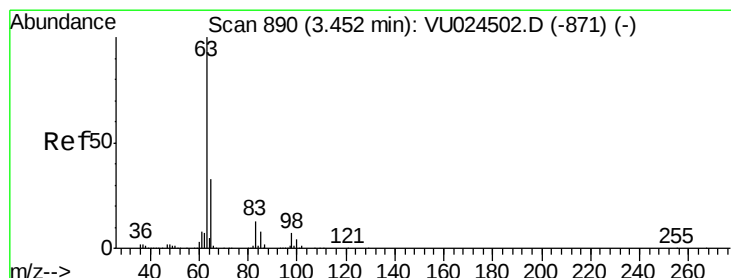
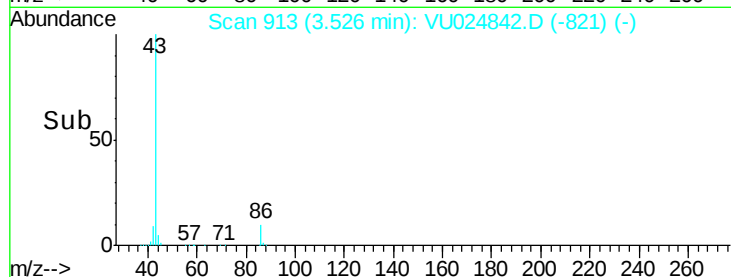
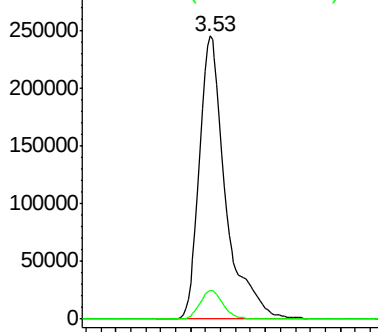
Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



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



#24

1,1-Dichloroethane

Concen: 18.63 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

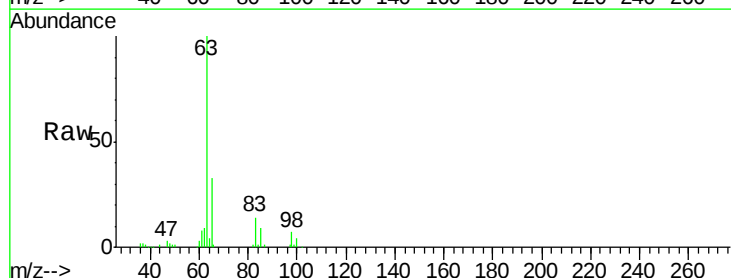
Tgt Ion: 63 Resp: 77654

Ion Ratio Lower Upper

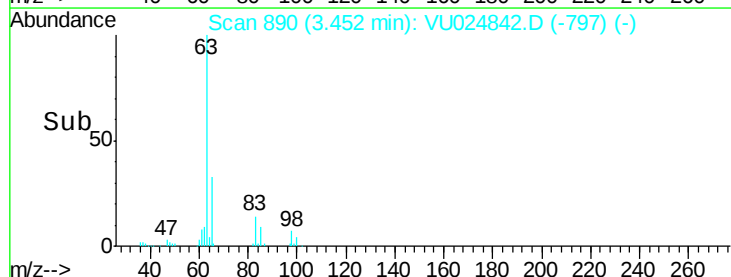
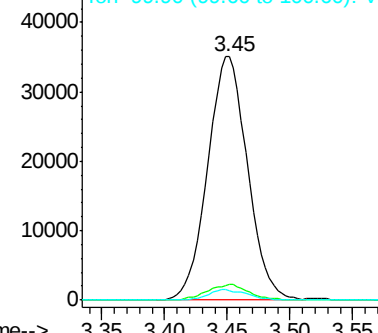
63 100

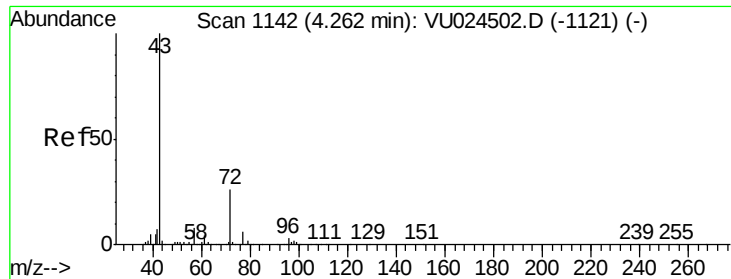
98 6.5 3.5 10.4

100 3.8 1.8 5.5



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

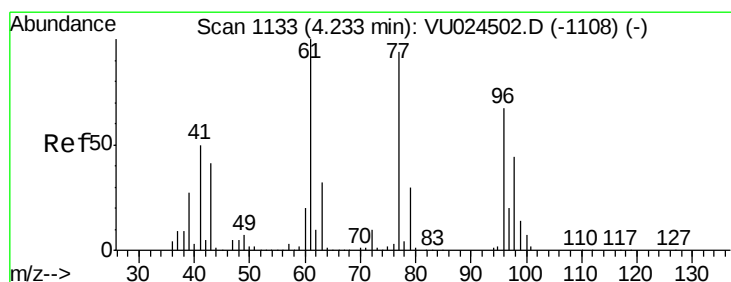
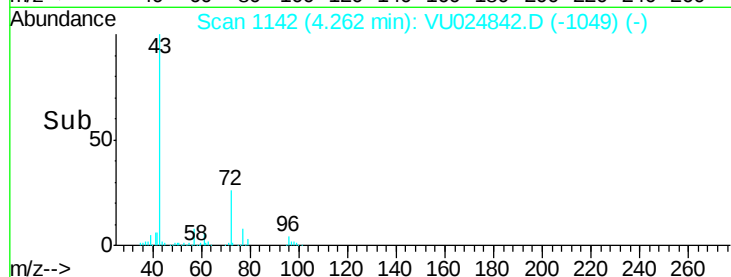
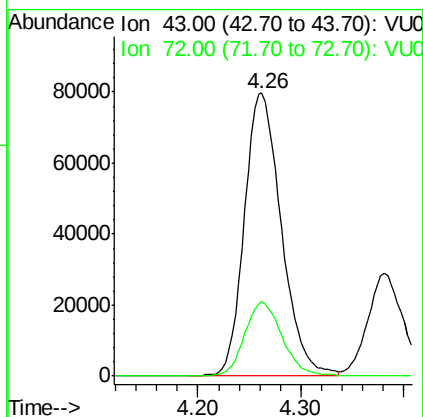
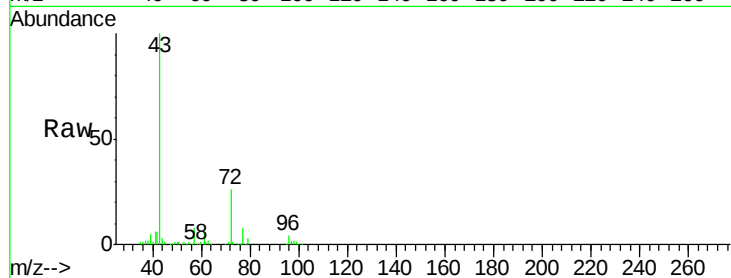




#25
2-Butanone
Concen: 97.01 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

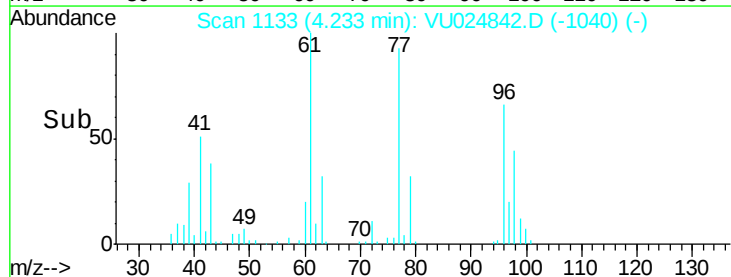
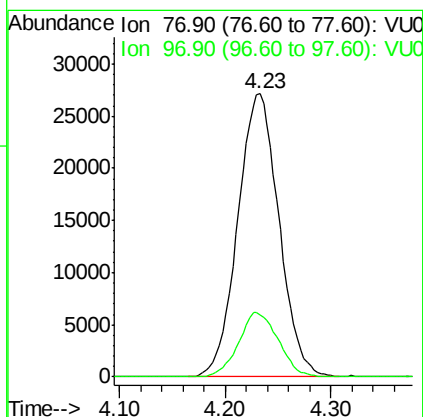
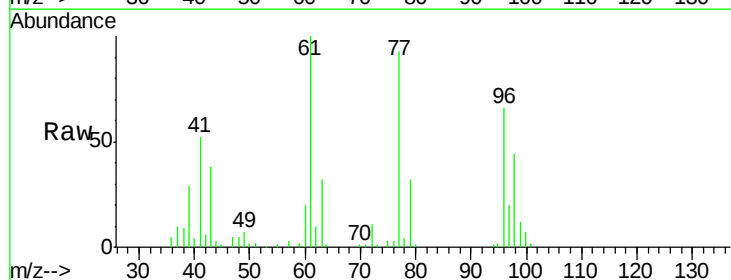
Instrument :
MSVOA_U
ClientSampleId :

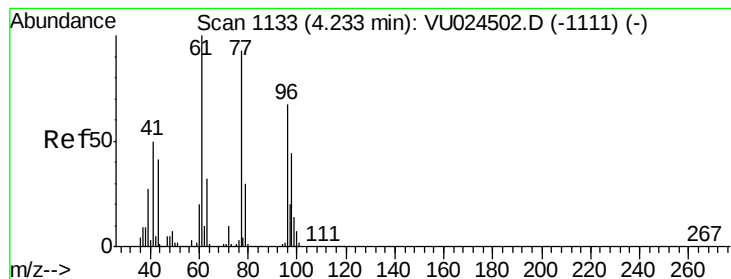
Tot Ion: 43 Resp: 197606
Ion Ratio Lower Upper
43 100
72 26.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 18.61 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion: 77 Resp: 73653
Ion Ratio Lower Upper
77 100
97 22.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 18.98 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :

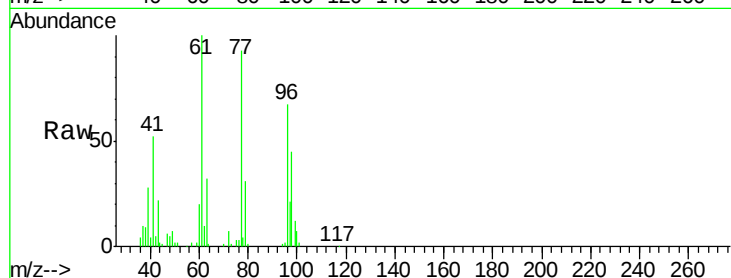
Tot Ion: 96 Resp: 47298

Ion Ratio Lower Upper

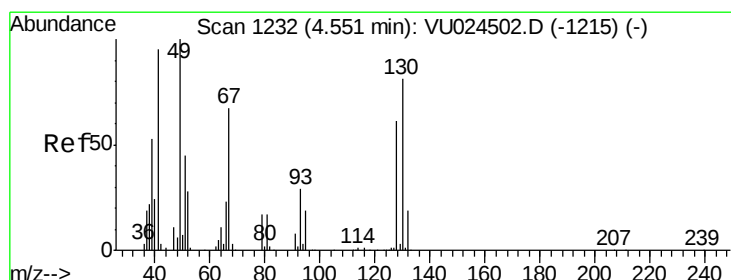
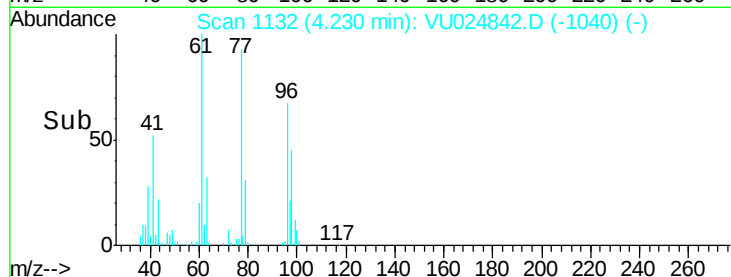
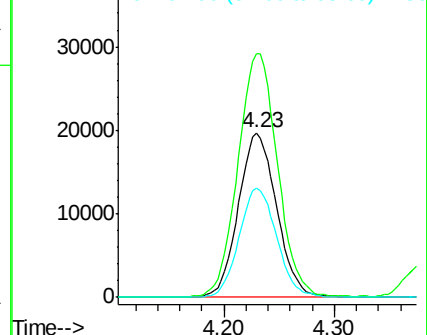
96 100

61 153.4 0.0 306.6

98 65.5 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 21.17 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

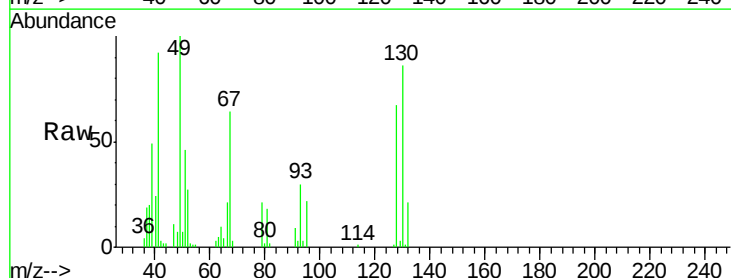
Tgt Ion: 49 Resp: 38869

Ion Ratio Lower Upper

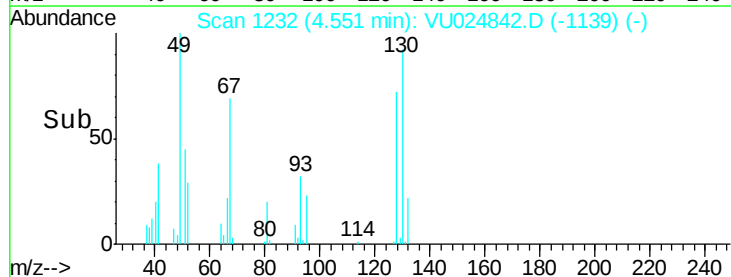
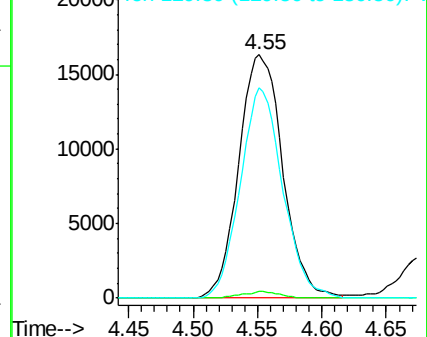
49 100

129 2.3 0.0 3.8

130 82.8 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 92.07 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

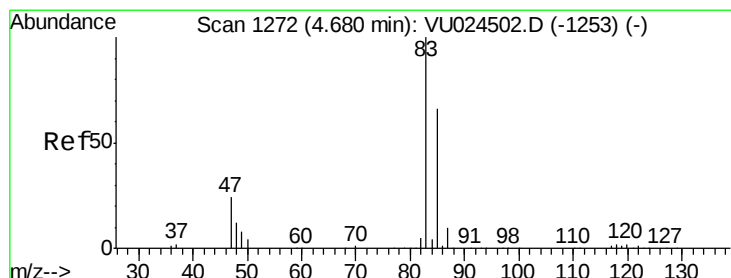
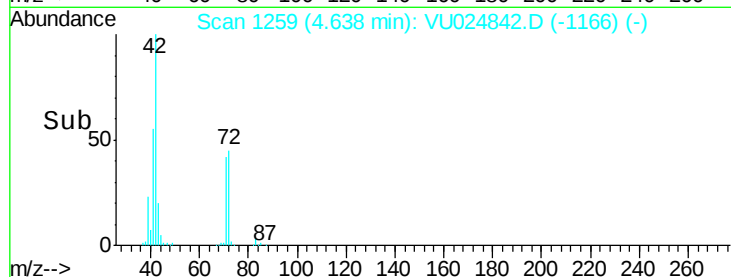
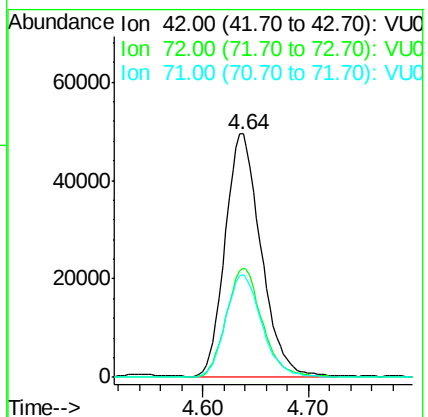
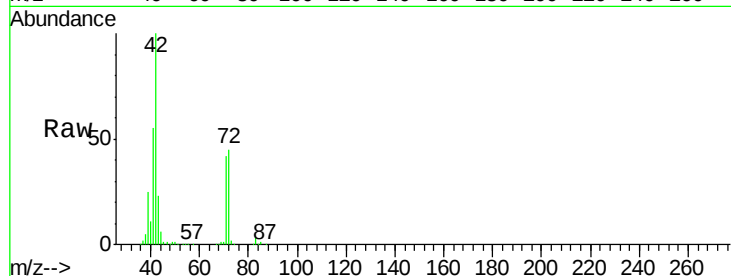
Tot Ion: 42 Resp: 116135

Ion Ratio Lower Upper

42 100

72 45.5 34.5 51.7

71 42.9 32.2 48.4



#30

Chloroform

Concen: 19.24 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024842.D

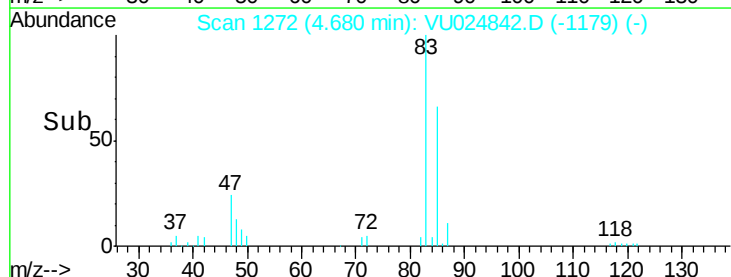
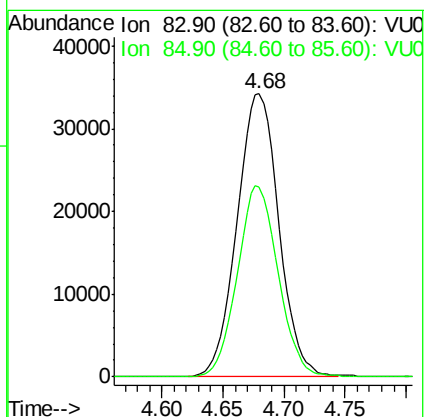
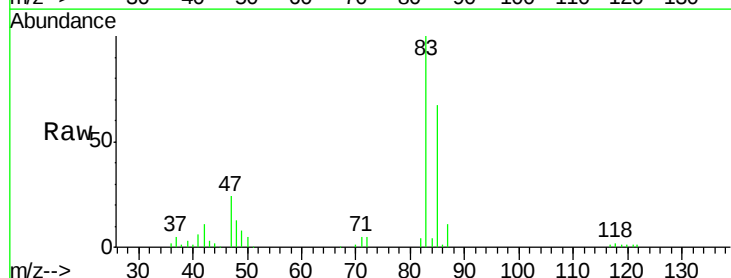
Acq: 22 Jun 2018 19:26

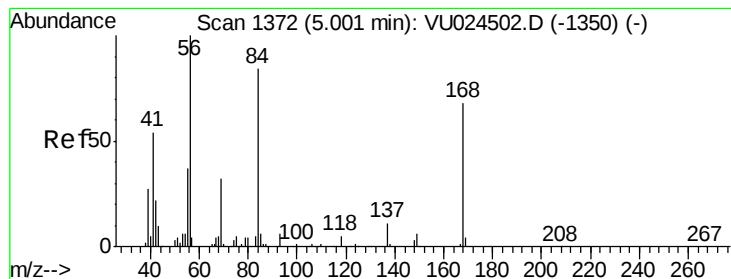
Tgt Ion: 83 Resp: 81166

Ion Ratio Lower Upper

83 100

85 66.9 52.4 78.6





#31

Cyclohexane

Concen: 18.21 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampled :

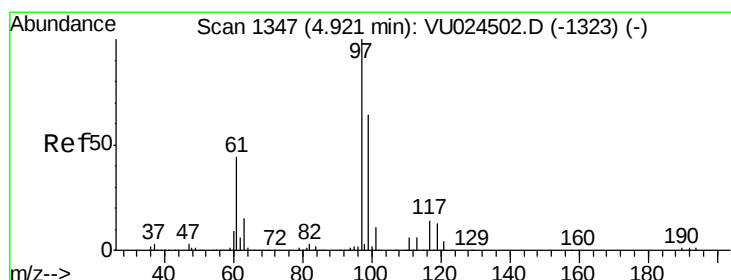
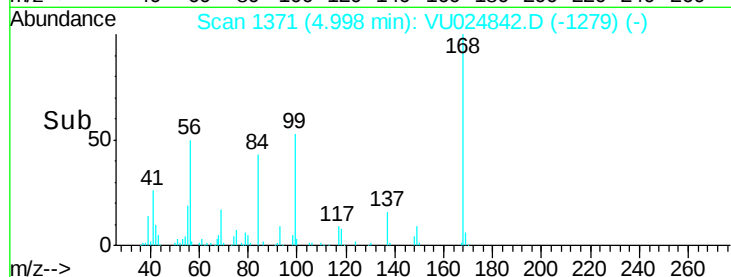
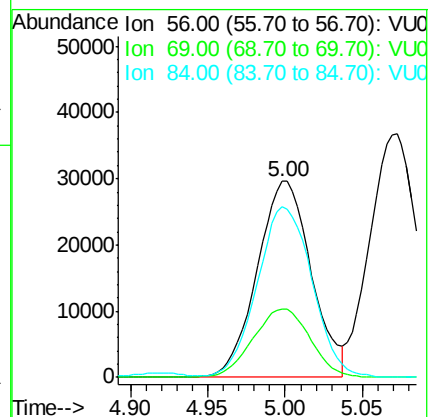
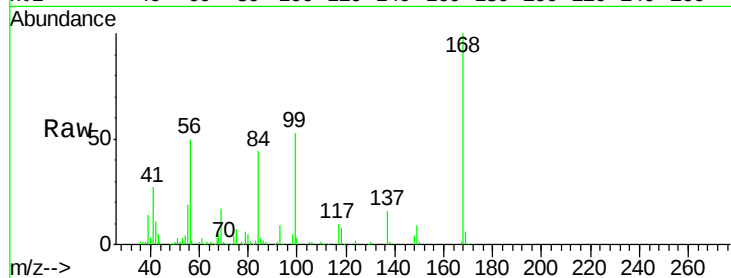
Tot Ion: 56 Resp: 72054

Ion Ratio Lower Upper

56 100

69 34.8 24.8 37.2

84 86.1 65.2 97.8



#32

1,1,1-Trichloroethane

Concen: 18.96 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

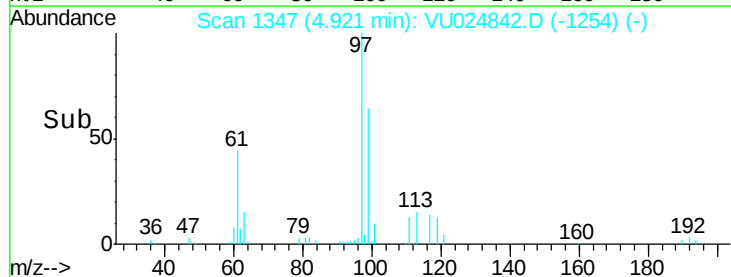
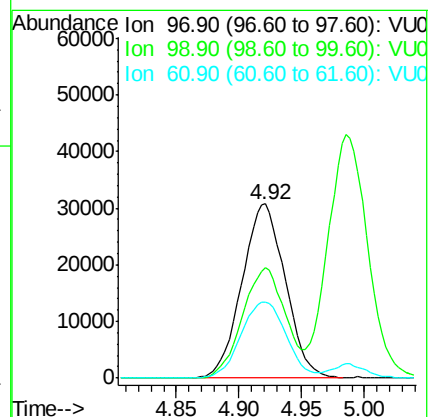
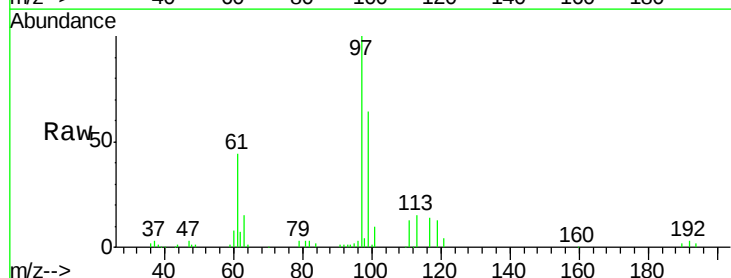
Tgt Ion: 97 Resp: 73978

Ion Ratio Lower Upper

97 100

99 62.6 51.0 76.6

61 45.5 39.4 59.0

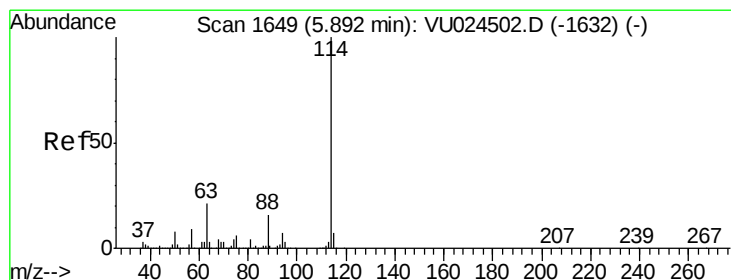
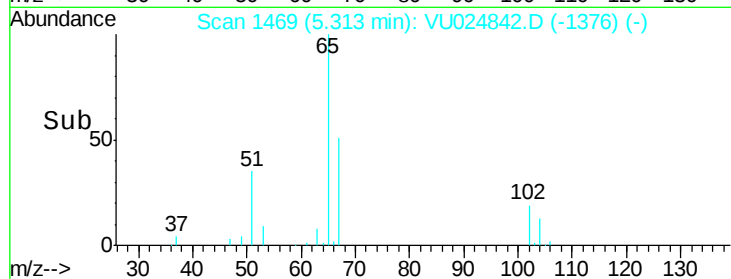
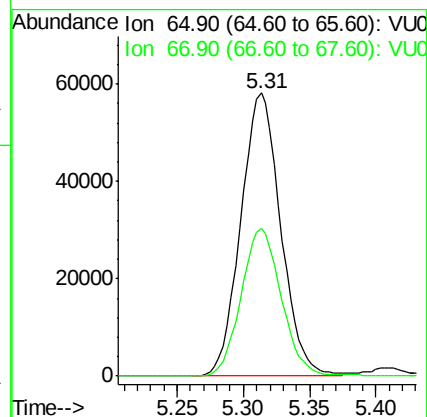
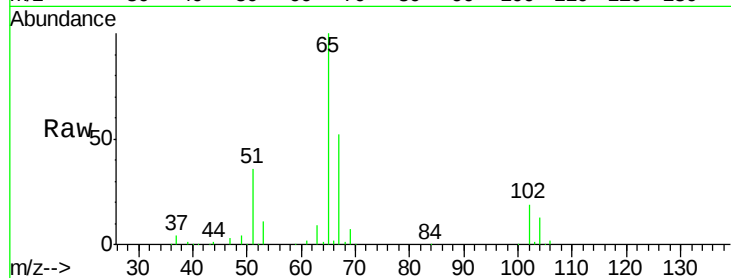




#33
 1,2-Dichloroethane-d4
 Concen: 43.15 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

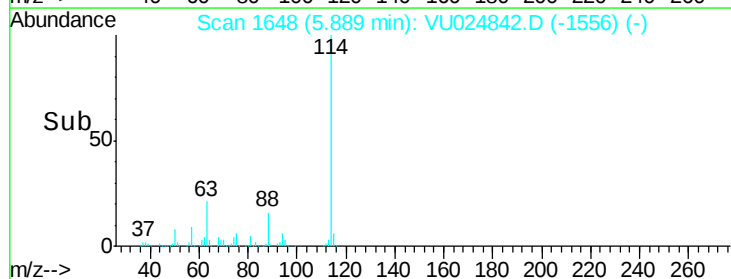
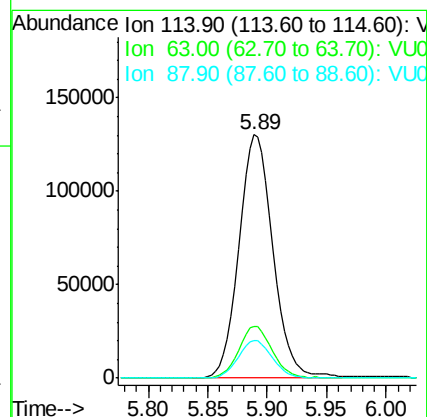
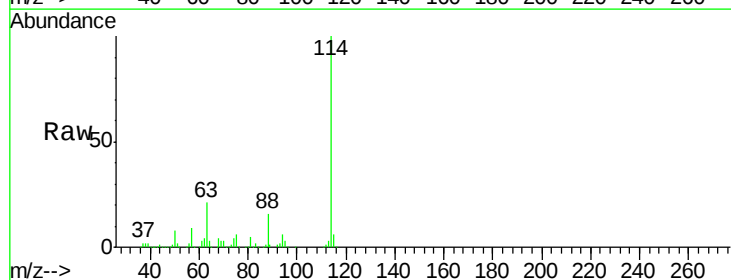
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 121779
 Ion Ratio Lower Upper
 65 100
 67 52.7 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: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion: 114 Resp: 258051
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.4
 88 15.5 0.0 31.0

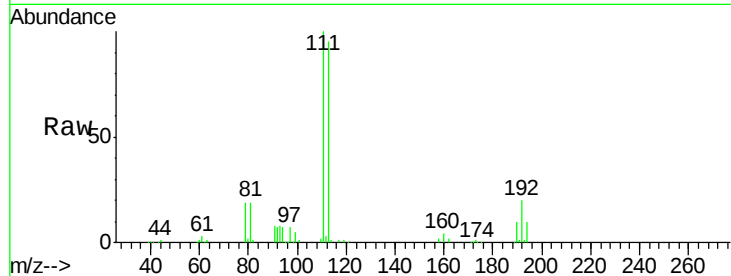




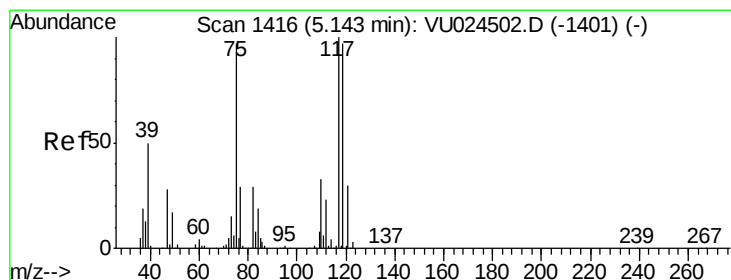
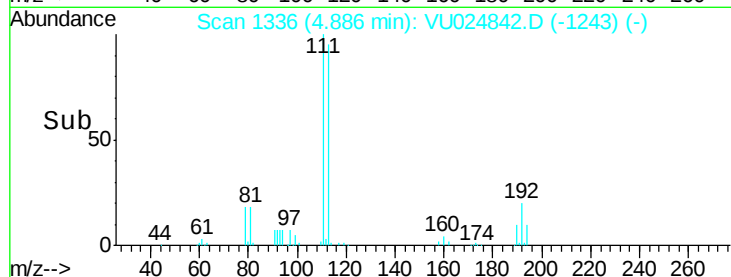
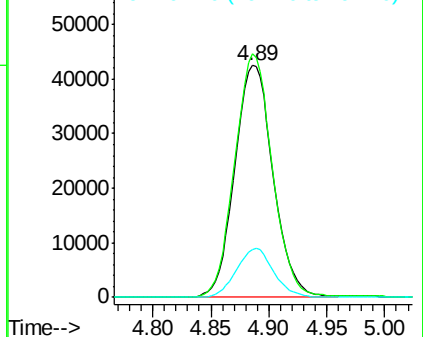
#35
 Dibromofluoromethane
 Concen: 45.76 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 98000
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 20.3 16.2 24.4

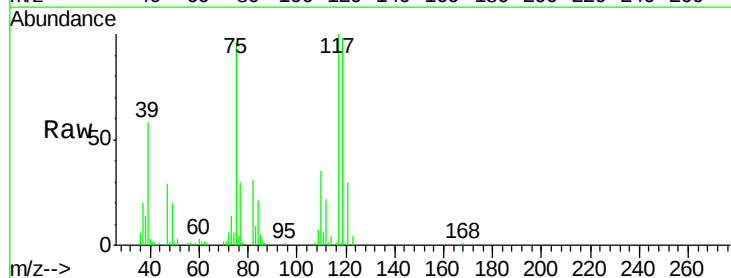


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

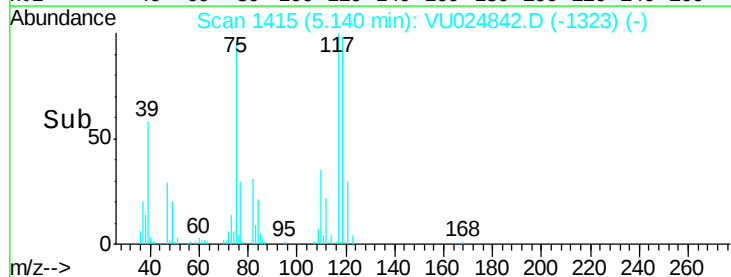
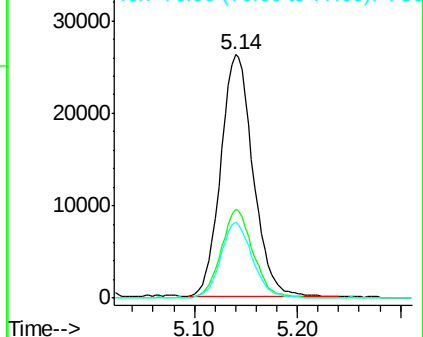


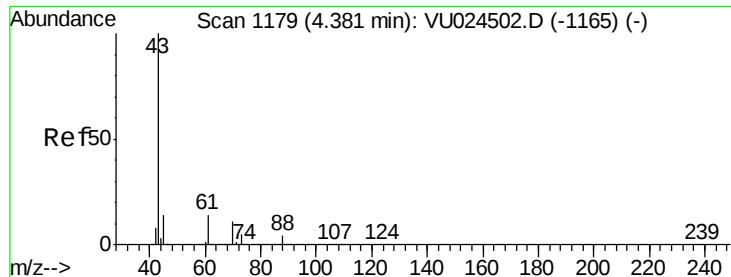
#36
 1,1-Dichloropropene
 Concen: 18.88 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion: 75 Resp: 57241
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.0 50.9
 77 30.6 24.2 36.4



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

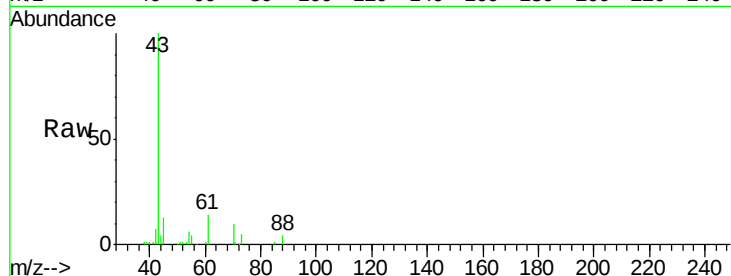




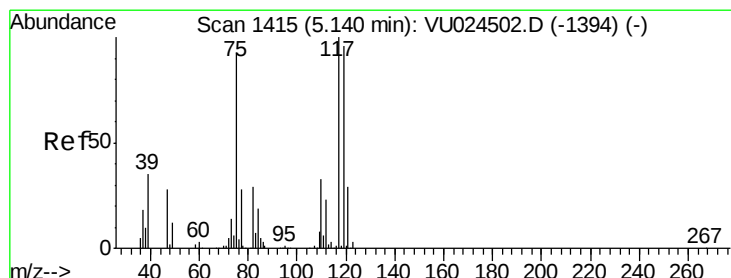
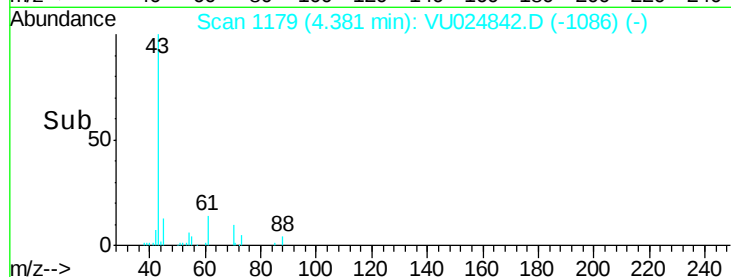
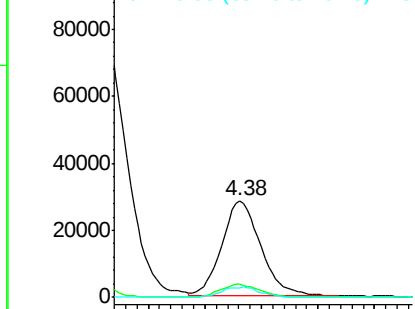
#37
Ethyl Acetate
Concen: 20.65 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	43	Resp	68239
Ion Ratio	Lower	Upper	
43	100		
61	14.3	10.5	15.7
70	10.9	7.4	11.2

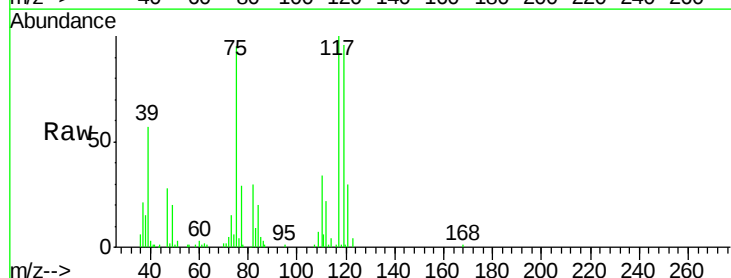


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

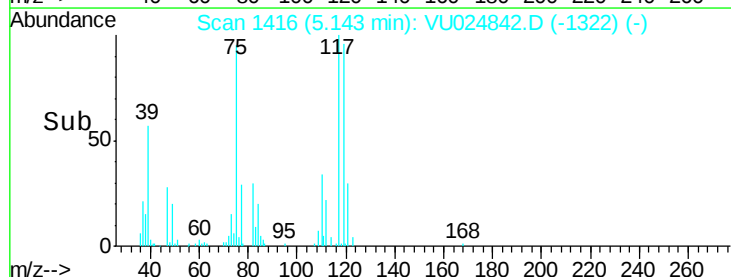
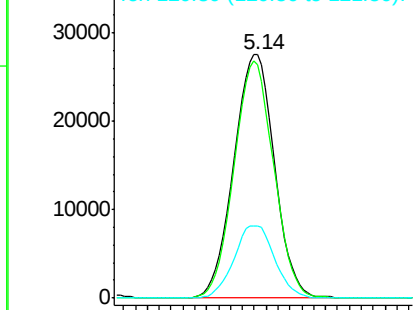


#38
Carbon Tetrachloride
Concen: 19.58 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion	117	Resp	65293
Ion Ratio	Lower	Upper	
117	100		
119	96.1	76.1	114.1
121	29.8	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

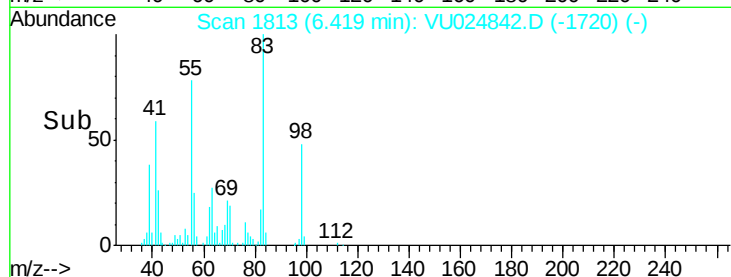
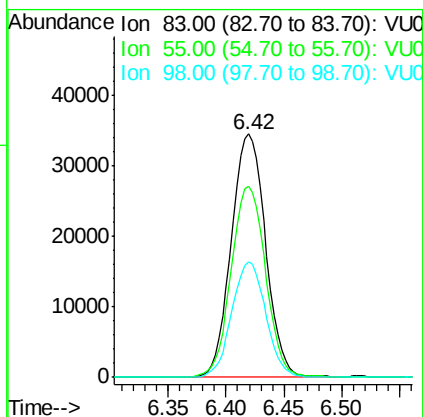
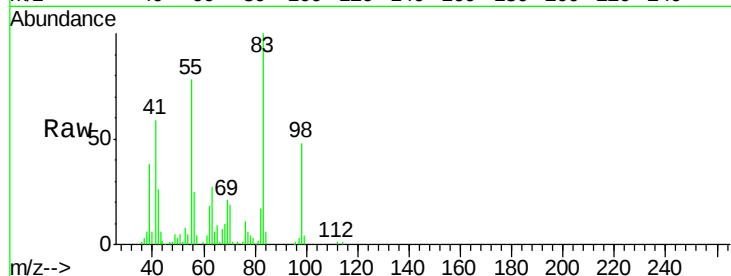




#39
Methvlcvclohexane
Concen: 18.79 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

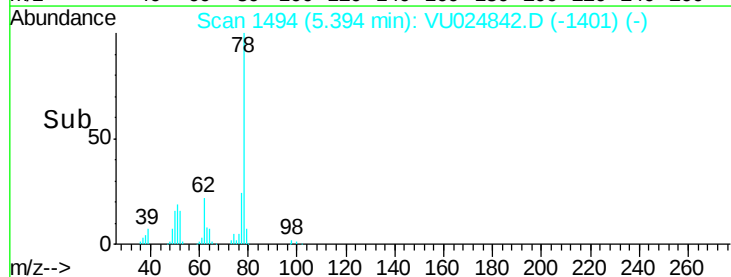
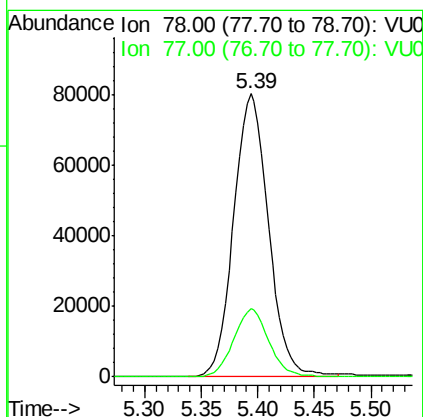
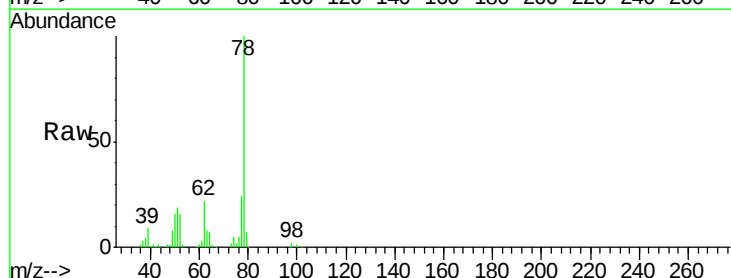
Instrument :
MSVOA_U
ClientSampled :

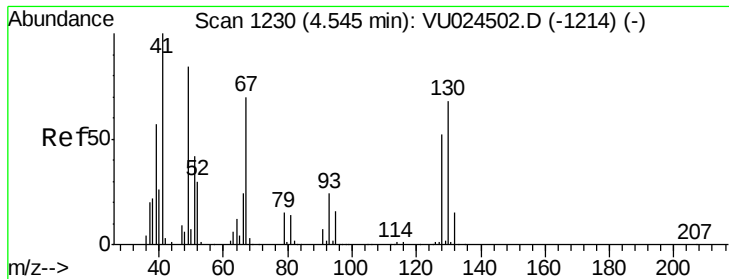
Tot Ion: 83 Resp: 71108
Ion Ratio Lower Upper
83 100
55 78.3 65.8 98.6
98 47.6 36.7 55.1



#40
Benzene
Concen: 19.98 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion: 78 Resp: 172674
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

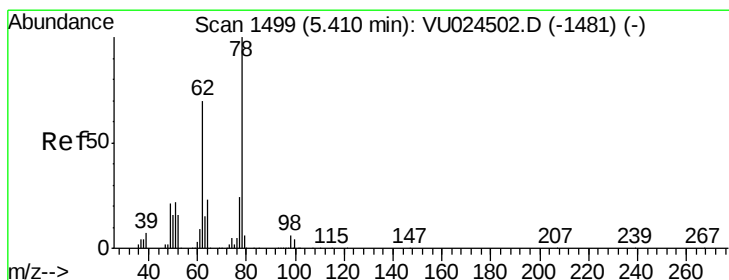
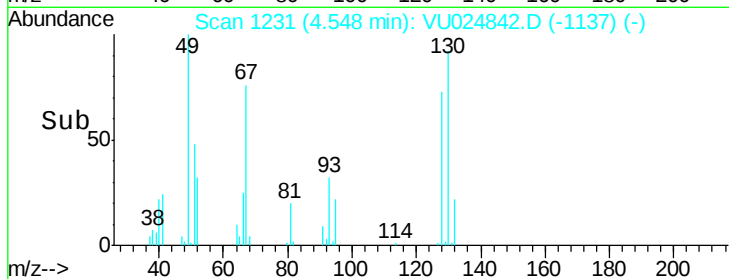
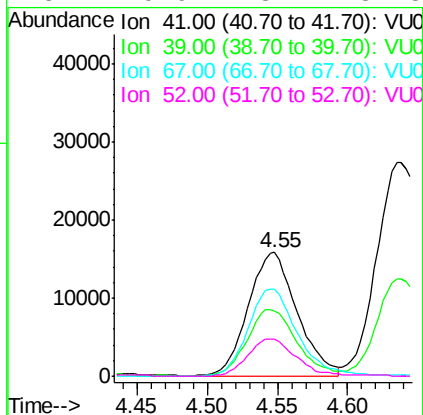
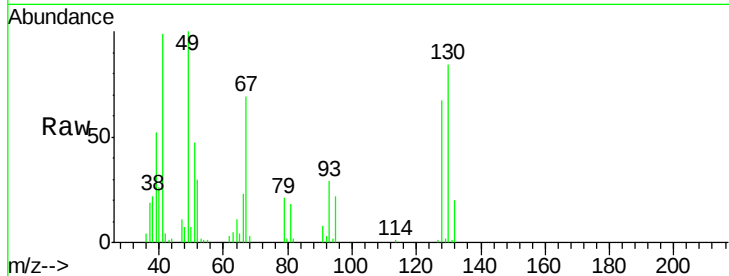




#41
Methacrylonitrile
Concen: 21.57 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

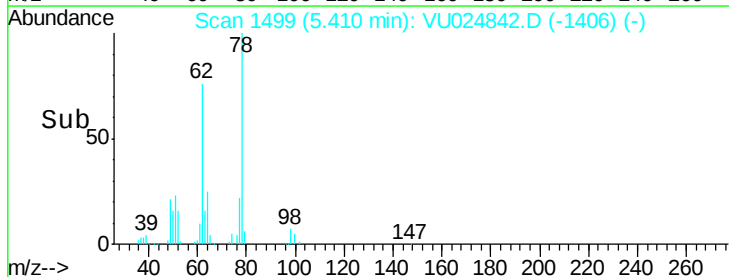
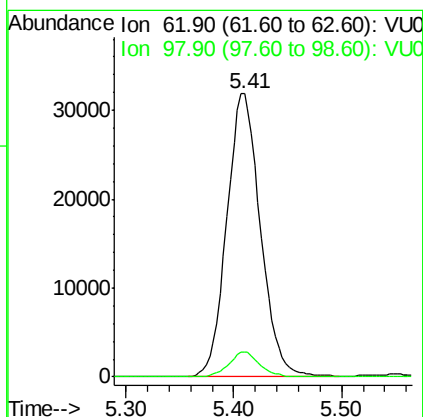
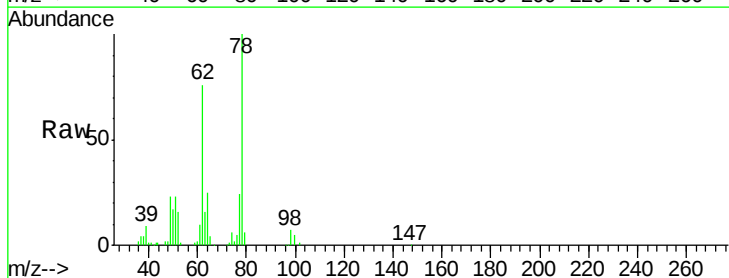
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	38438
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.8	65.6
67	71.0	56.3	84.5
52	29.9	23.2	34.8



#42
1,2-Dichloroethane
Concen: 21.04 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion:	62	Resp:	69235
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6

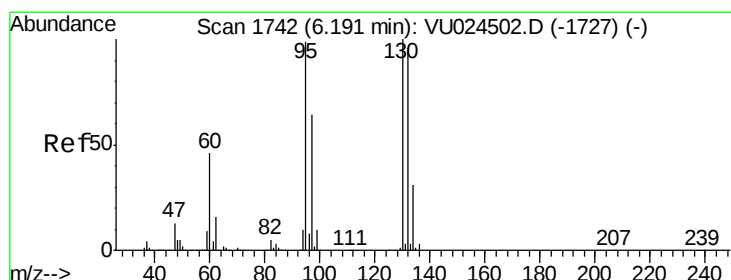
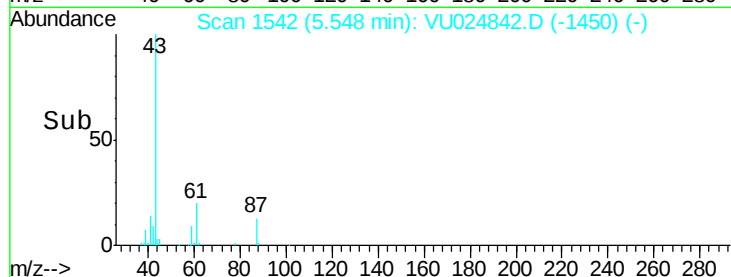
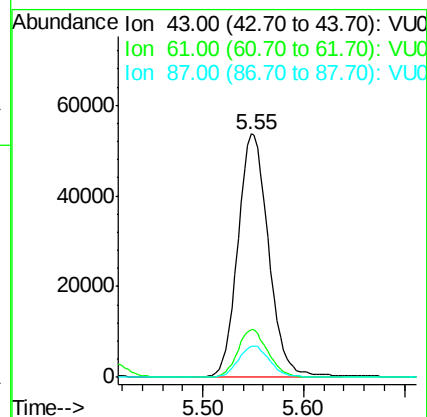
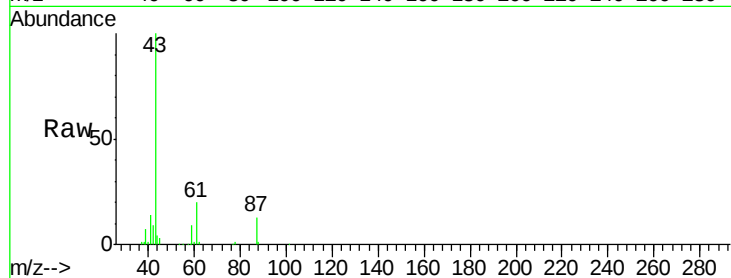




#43
Isopropyl Acetate
Concen: 19.73 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

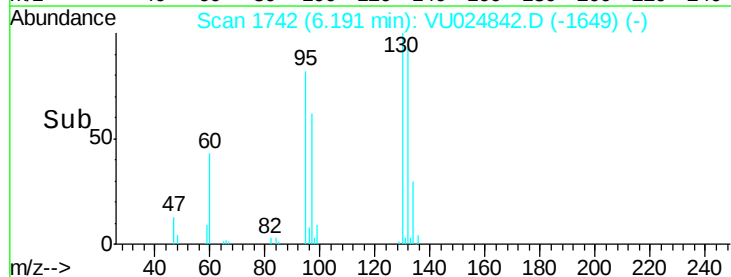
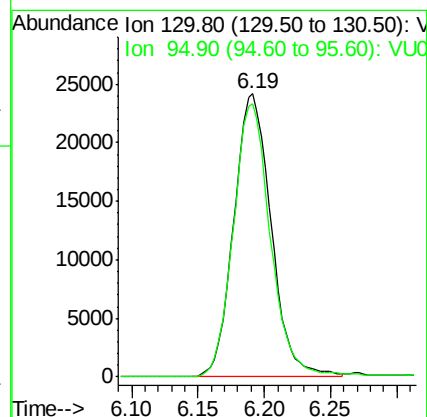
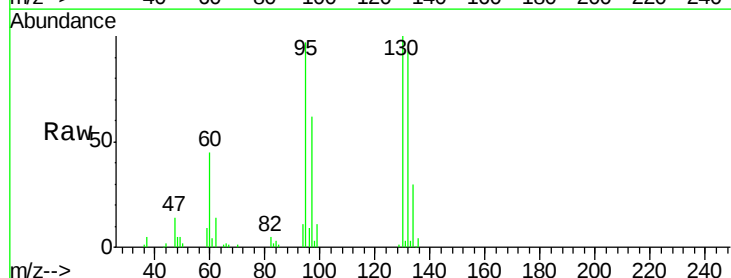
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 112699
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 13.2 10.0 15.0



#44
Trichloroethene
Concen: 19.25 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion:130 Resp: 47336
Ion Ratio Lower Upper
130 100
95 96.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 20.19 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

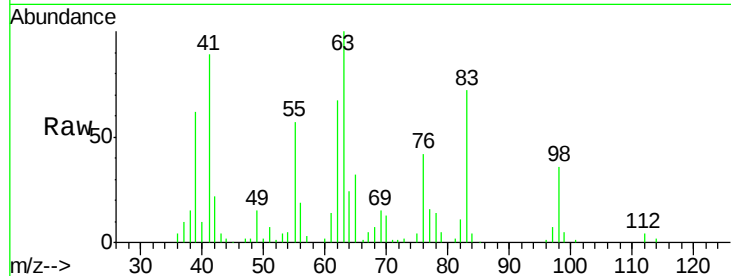
ClientSampled :

Tot Ion: 63 Resp: 46556

Ion Ratio Lower Upper

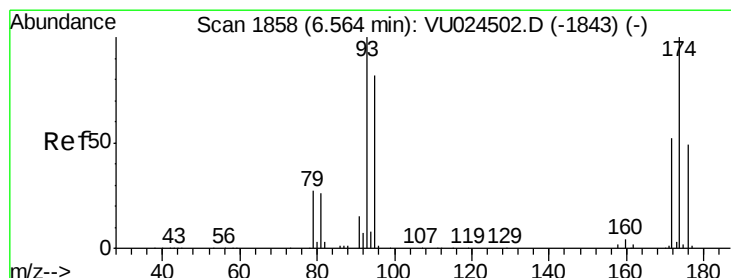
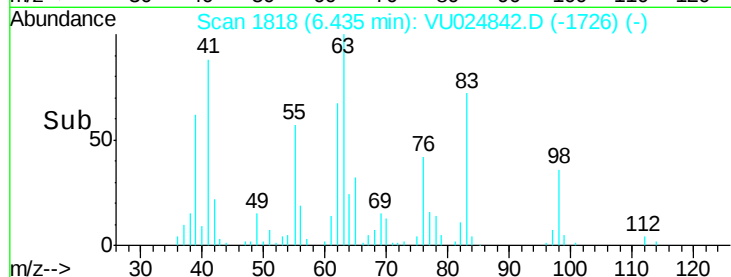
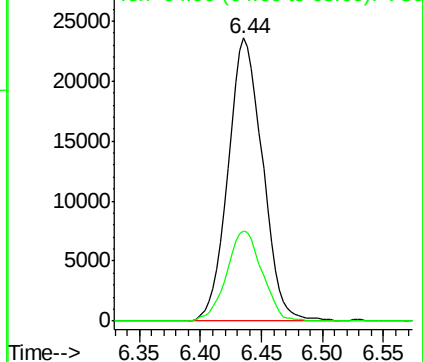
63 100

65 31.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.97 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

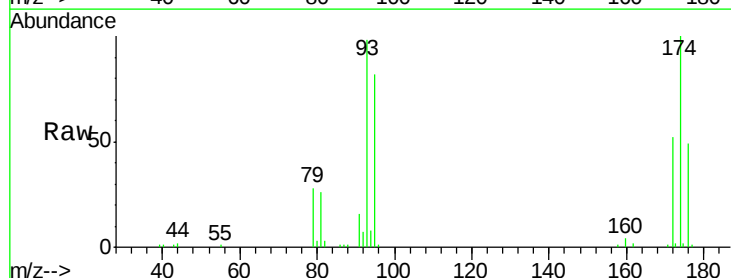
Tgt Ion: 93 Resp: 33963

Ion Ratio Lower Upper

93 100

95 81.8 65.5 98.3

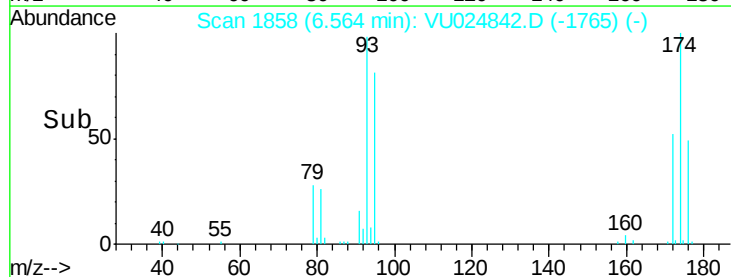
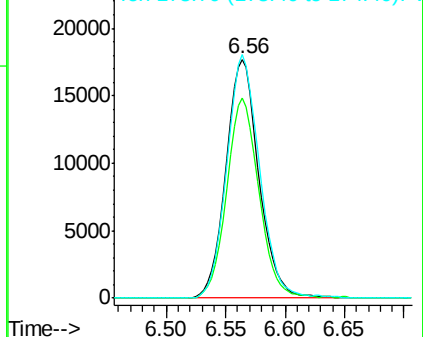
174 101.0 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.56 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :

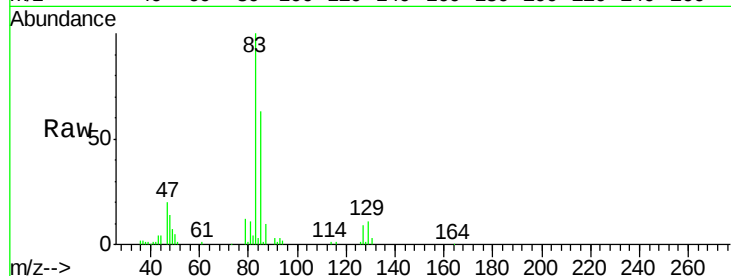
Tot Ion: 83 Resp: 63078

Ion Ratio Lower Upper

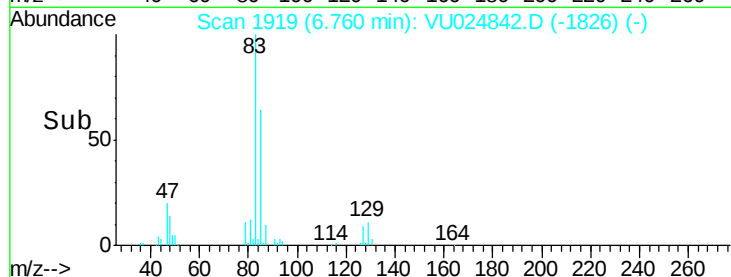
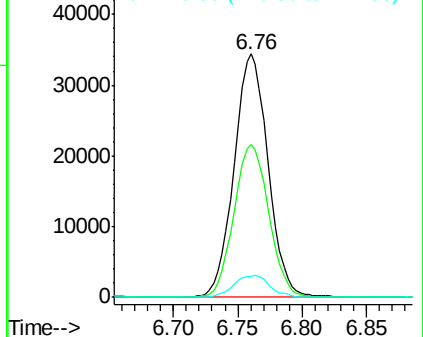
83 100

85 62.9 51.9 77.9

127 8.8 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: 19.85 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

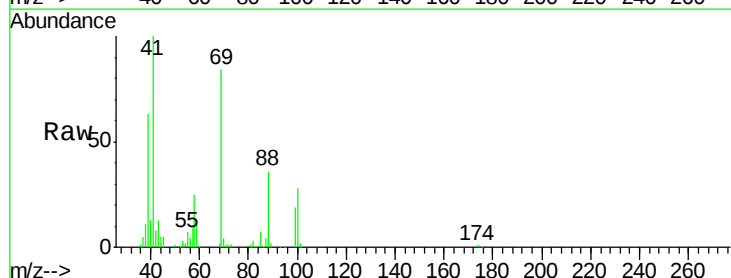
Tgt Ion: 41 Resp: 55229

Ion Ratio Lower Upper

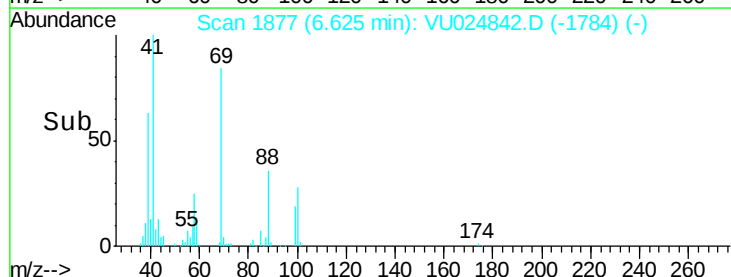
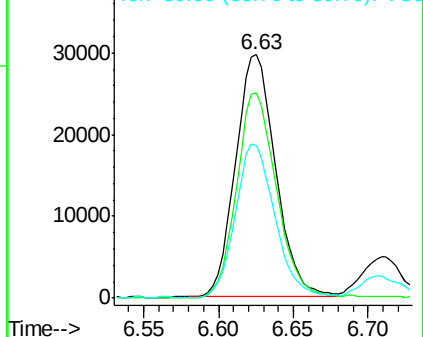
41 100

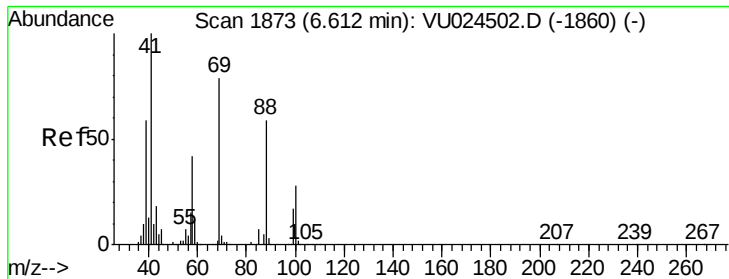
69 84.5 67.3 100.9

39 62.0 46.5 69.7



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

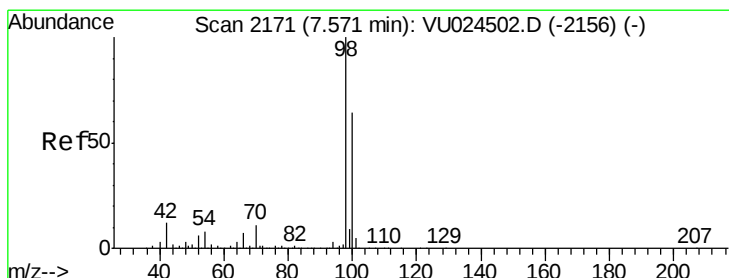
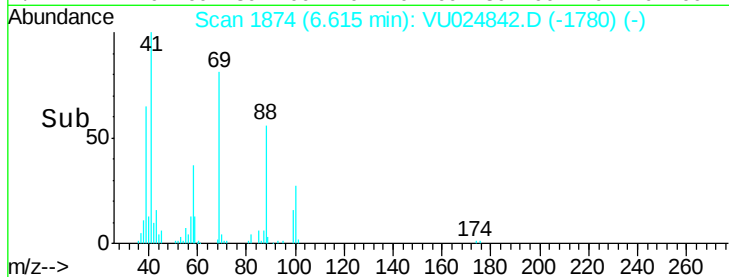
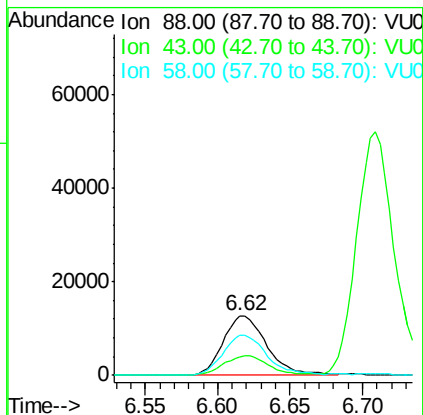
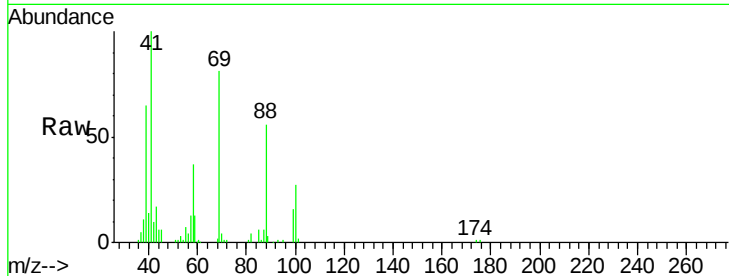




#49
 1,4-Dioxane
 Concen: 488.40 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

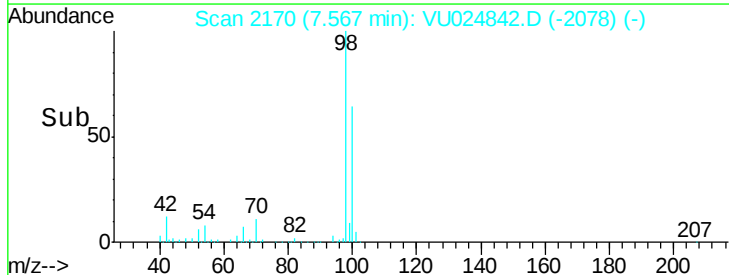
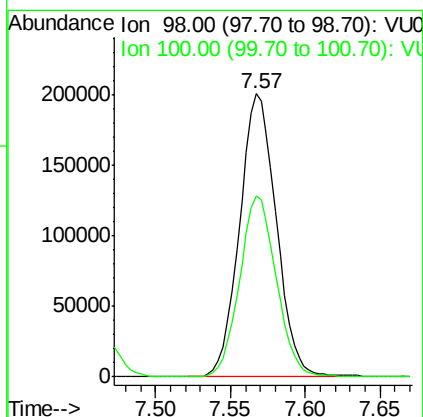
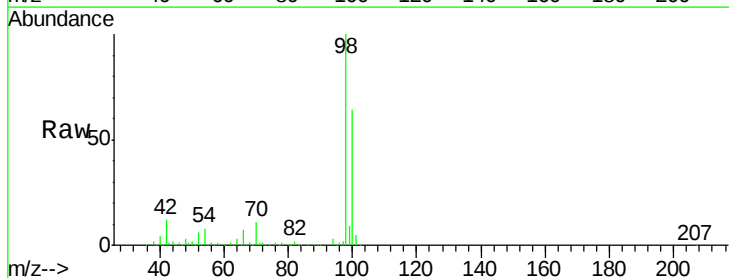
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 88 Resp: 26570
 Ion Ratio Lower Upper
 88 100
 43 34.5 28.6 42.8
 58 67.4 58.2 87.4



#50
 Toluene-d8
 Concen: 43.85 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion: 98 Resp: 342551
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7

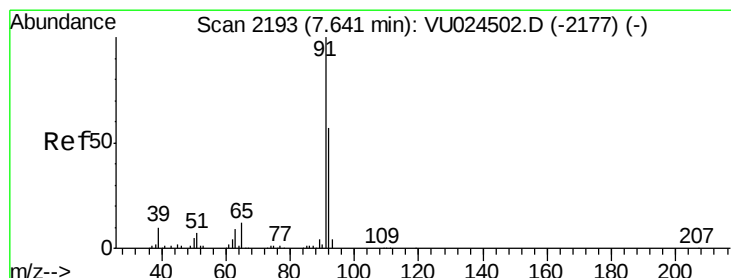
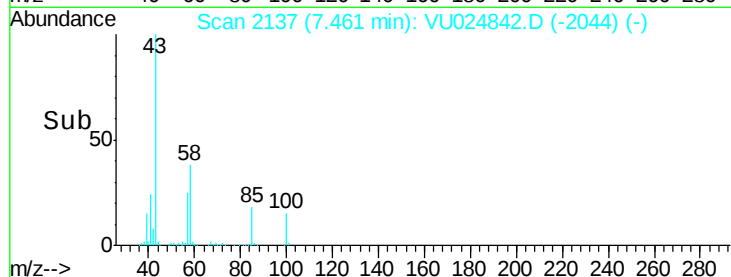
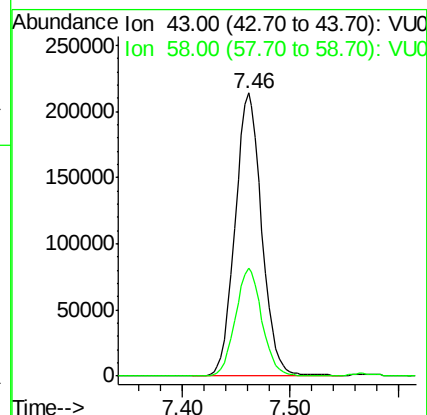
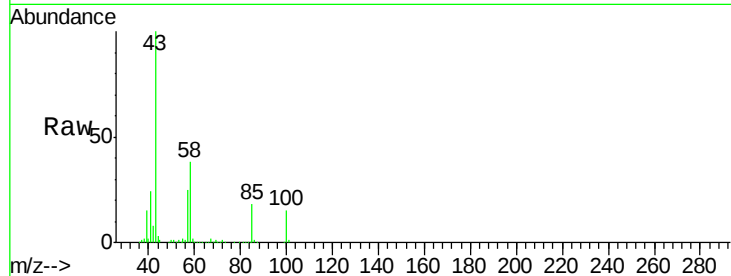




#51
 4-Methyl-2-Pentanone
 Concen: 102.66 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

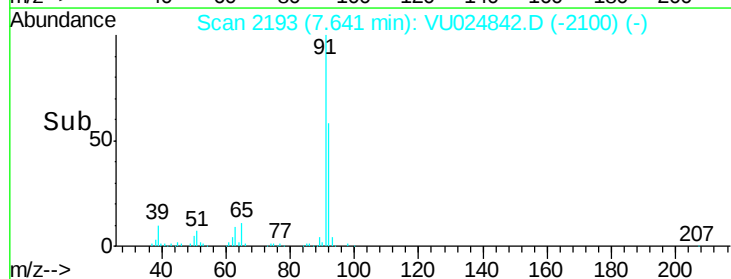
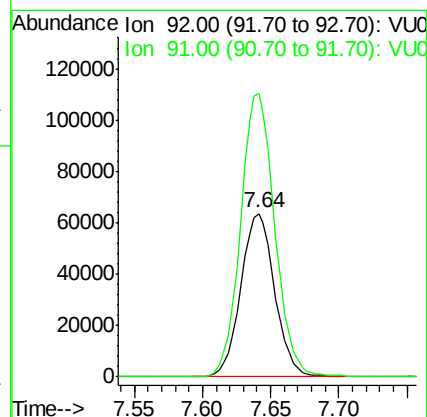
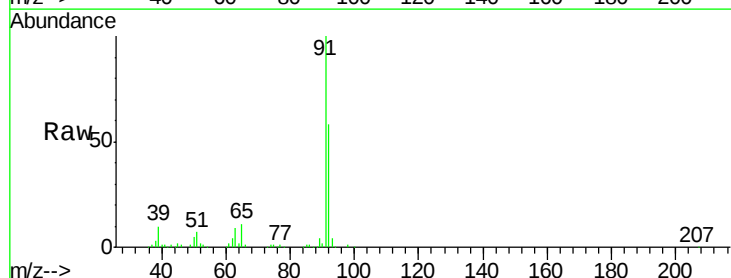
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 368465
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.0 45.0



#52
 Toluene
 Concen: 19.69 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion: 92 Resp: 109437
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 18.90 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

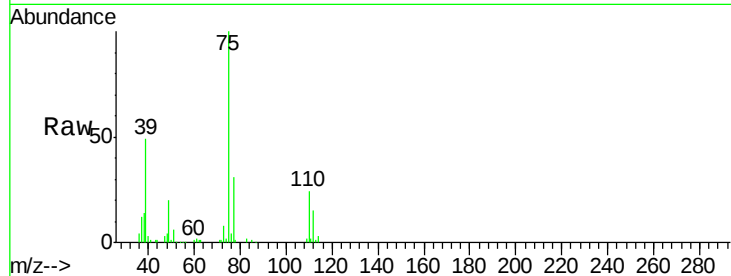
ClientSampleId :

Tot Ion: 75 Resp: 68460

Ion Ratio Lower Upper

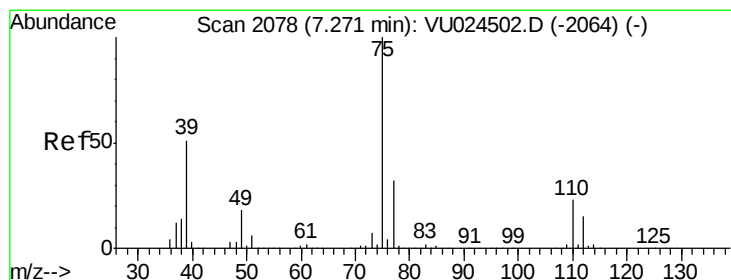
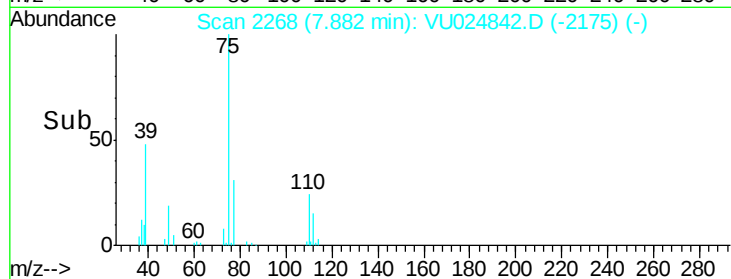
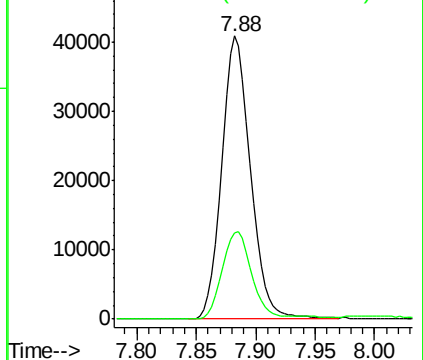
75 100

77 30.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.83 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

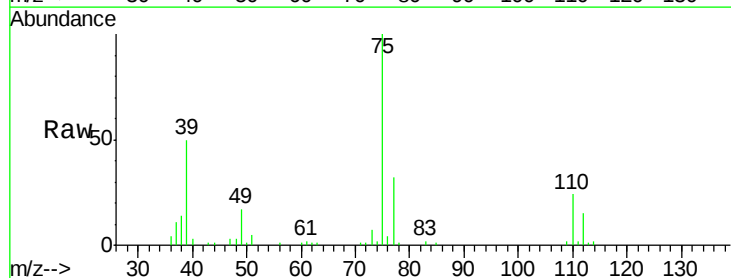
Tgt Ion: 75 Resp: 72673

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

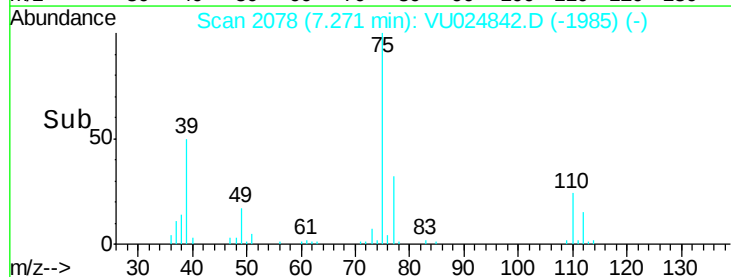
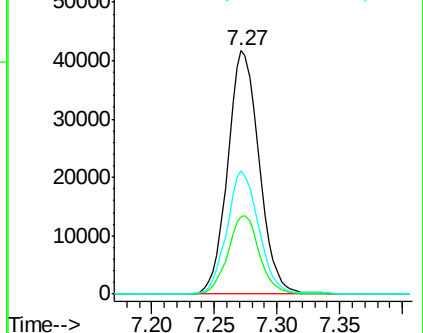
39 50.5 39.8 59.6



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

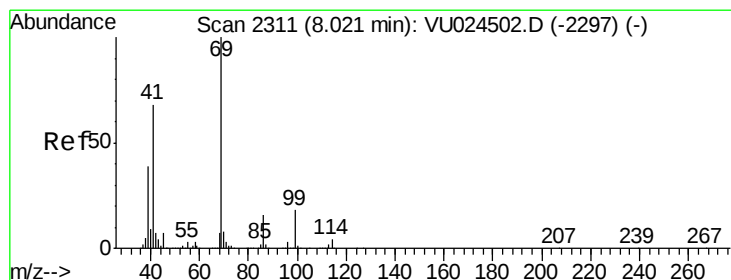
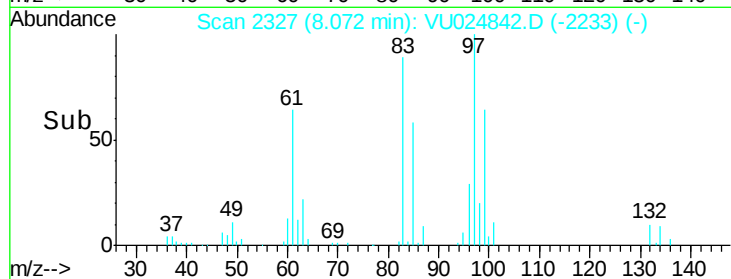
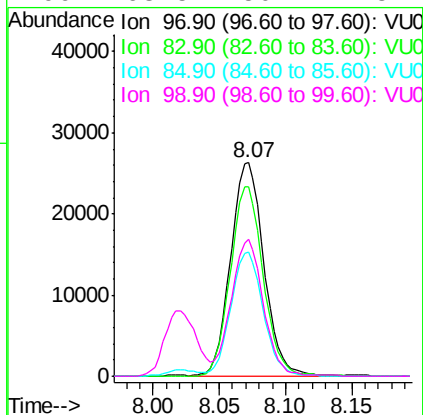
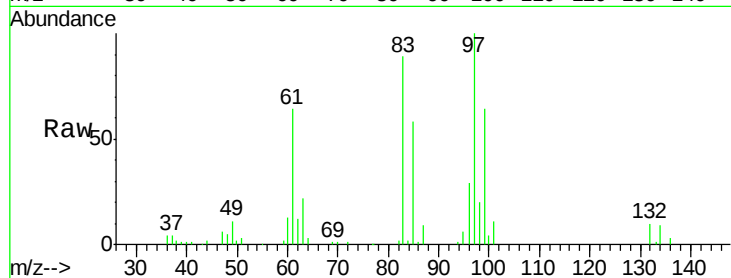




#55
 1,1,2-Trichloroethane
 Concen: 20.33 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

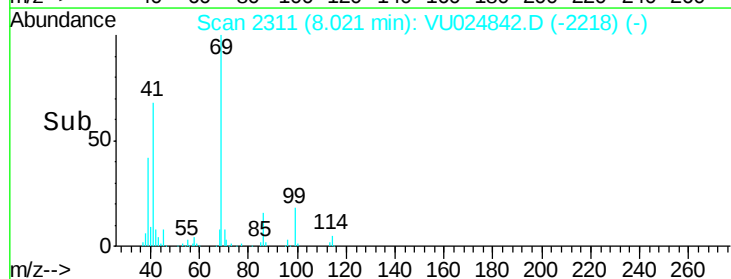
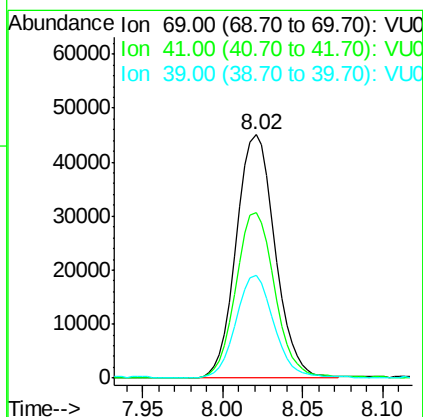
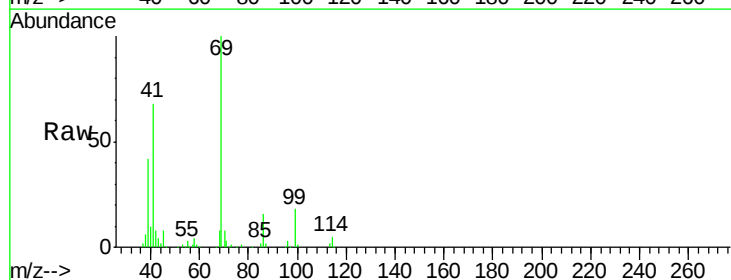
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	45948
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.5	105.7
85	58.0	46.4	69.6
99	63.5	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 19.70 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion:	69	Resp:	74514
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	41.6	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.35 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

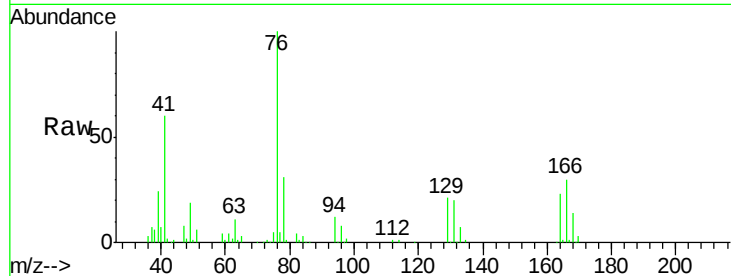
ClientSampleId :

Tot Ion: 76 Resp: 77558

Ion Ratio Lower Upper

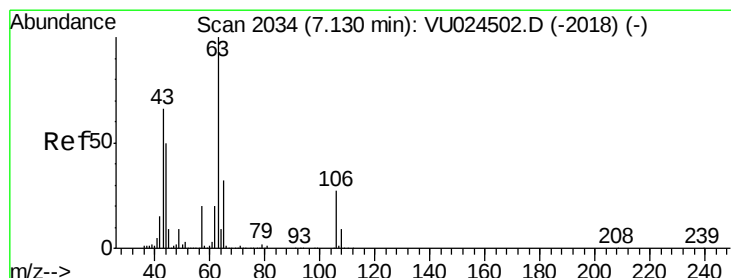
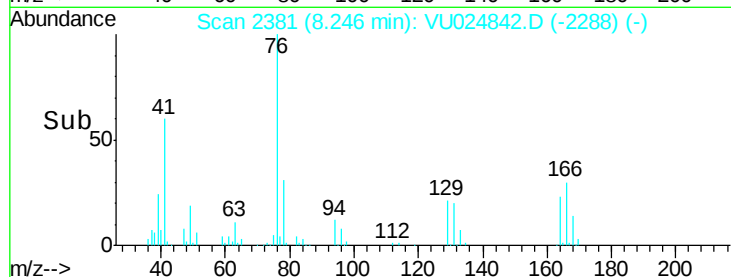
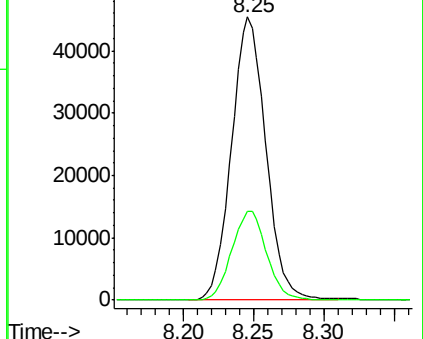
76 100

78 32.0 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 67.54 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU024842.D

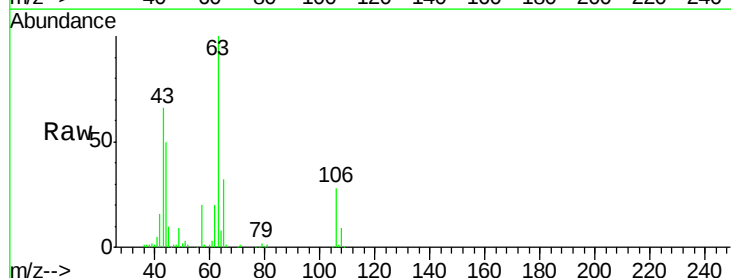
Acq: 22 Jun 2018 19:26

Tgt Ion: 63 Resp: 97859

Ion Ratio Lower Upper

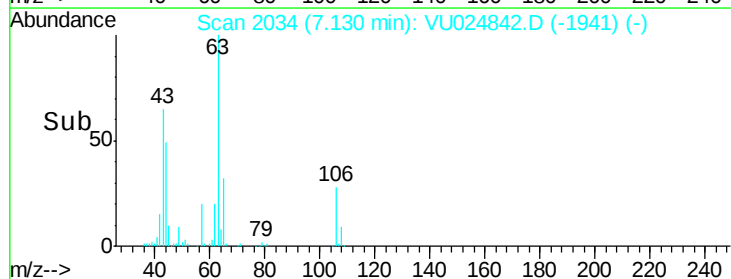
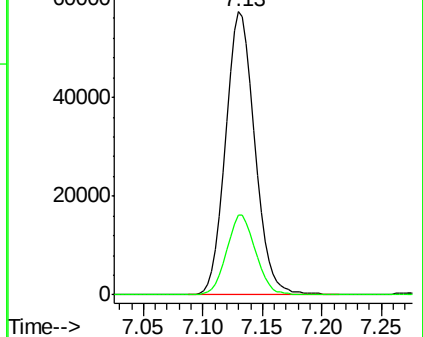
63 100

106 27.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

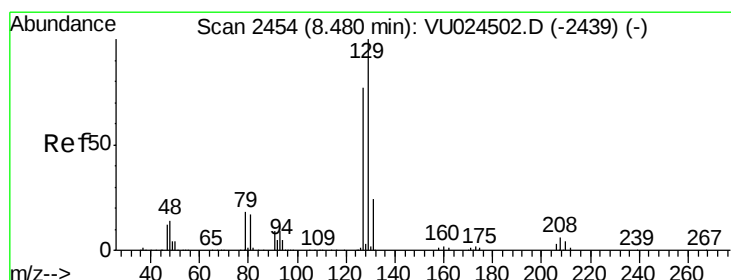
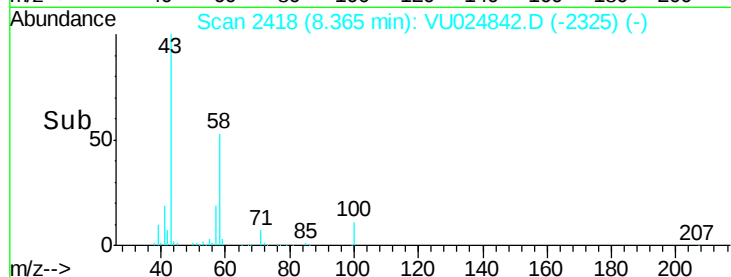
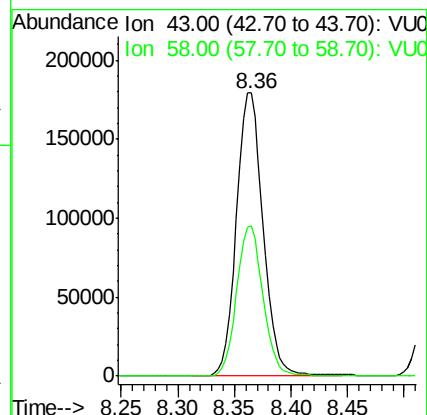
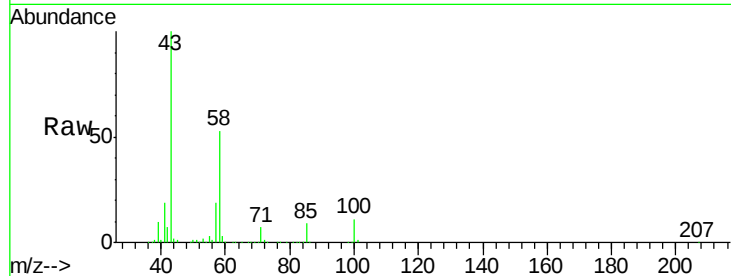




#59
2-Hexanone
Concen: 100.54 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

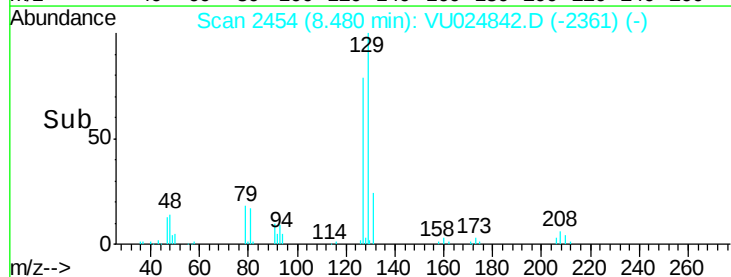
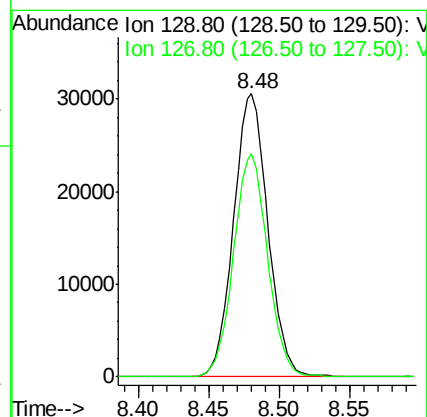
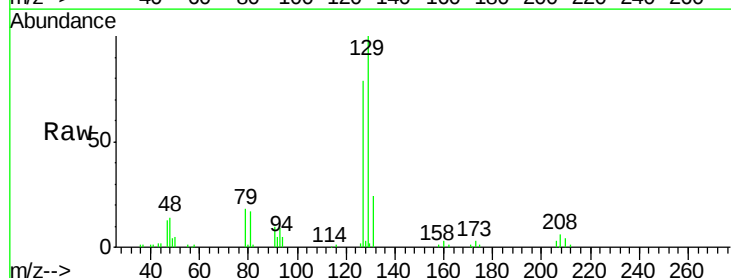
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 294602
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 18.44 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion: 129 Resp: 51965
Ion Ratio Lower Upper
129 100
127 78.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.68 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

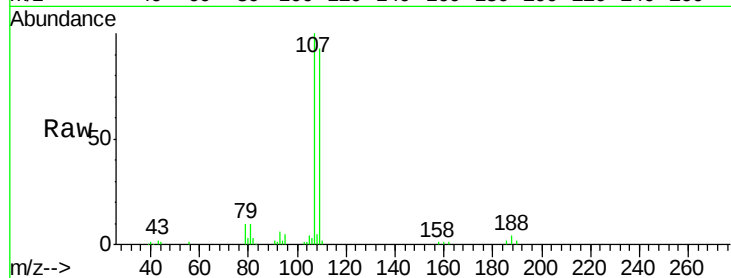
ClientSampleId :

Tot Ion:107 Resp: 49507

Ion Ratio Lower Upper

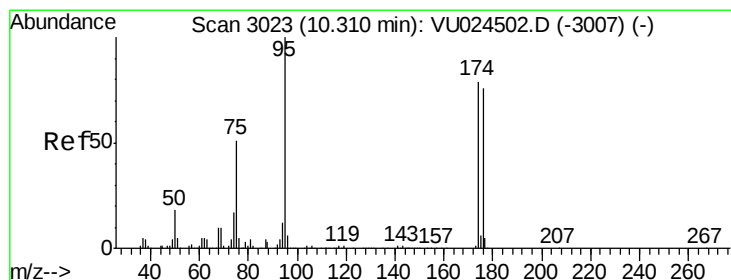
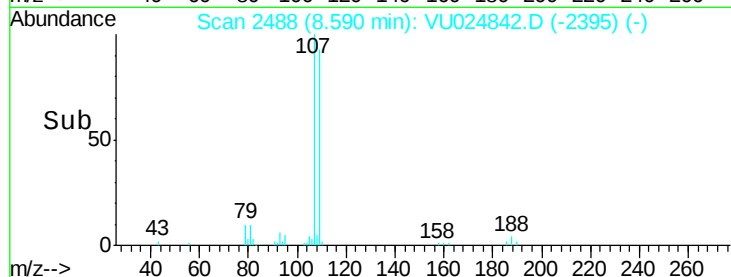
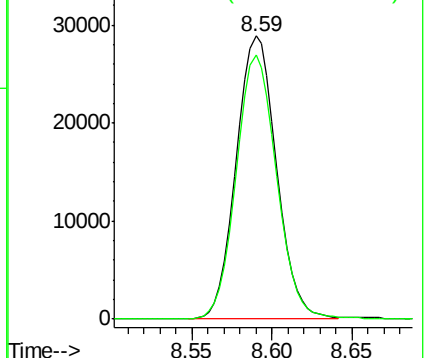
107 100

109 93.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.01 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

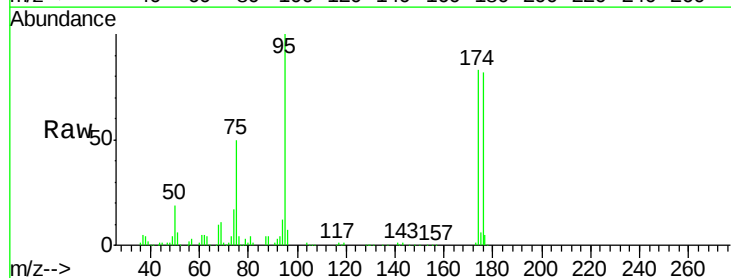
Tgt Ion: 95 Resp: 136499

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

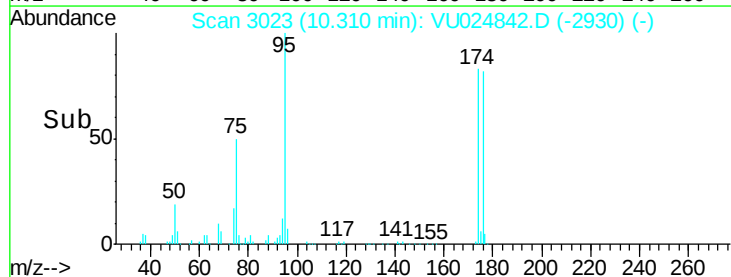
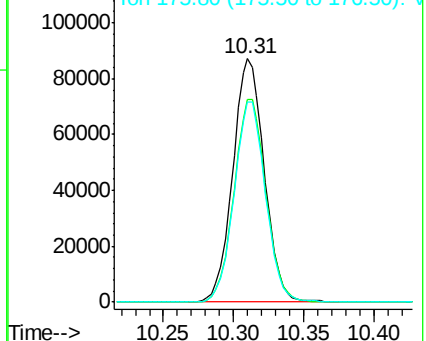
176 82.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

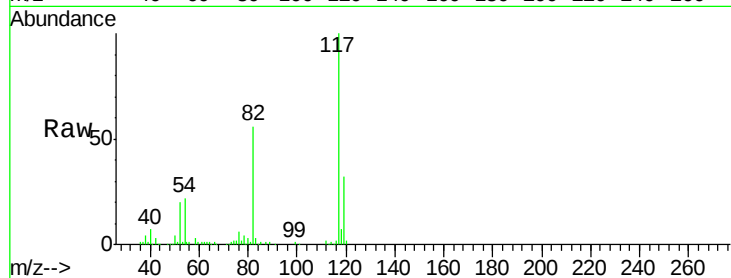




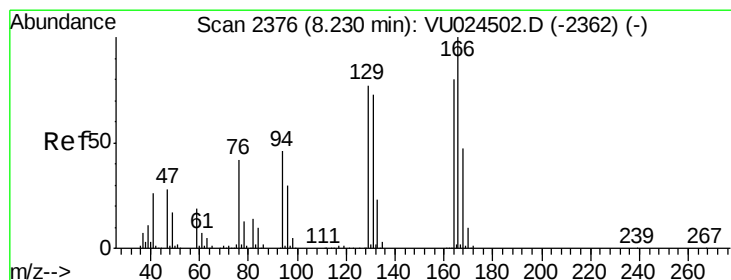
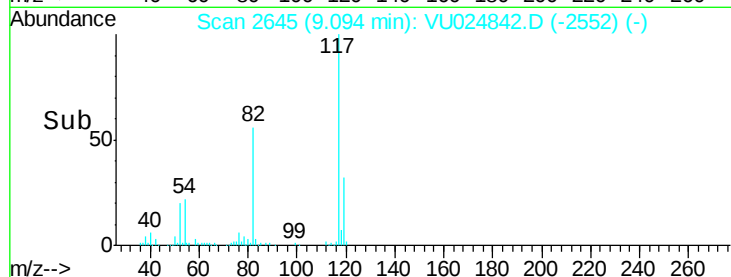
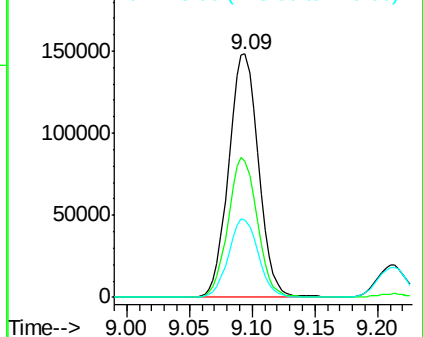
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.3	66.5
119	31.8	25.4	38.2



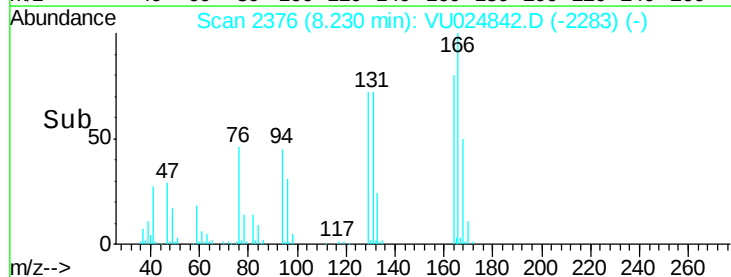
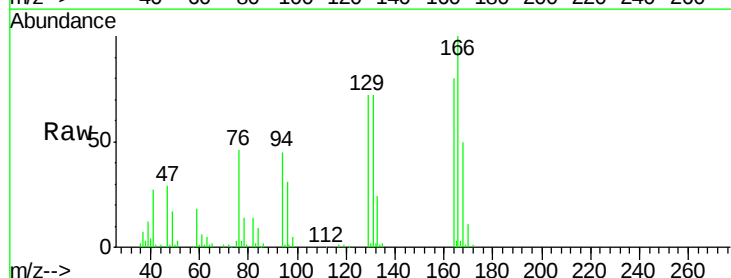
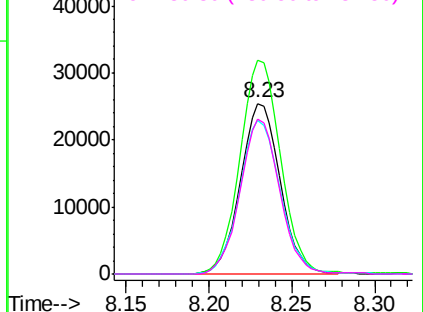
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.19 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.7	152.5
129	90.0	76.9	115.3
131	90.7	74.9	112.3

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

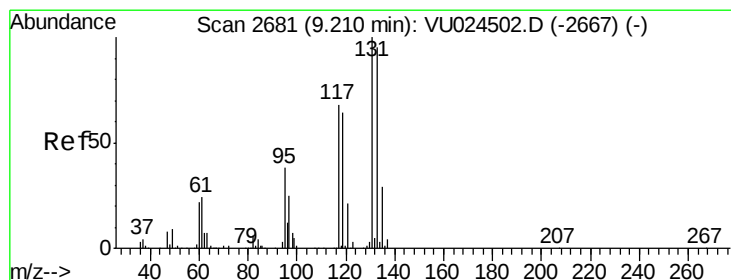
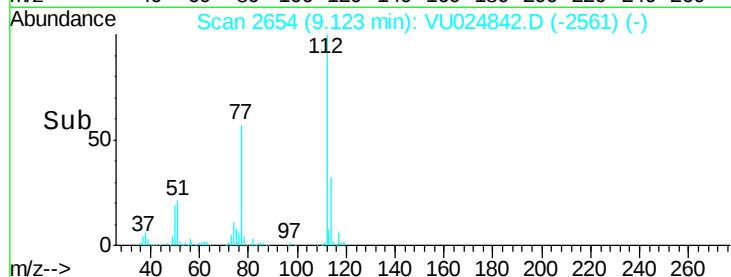
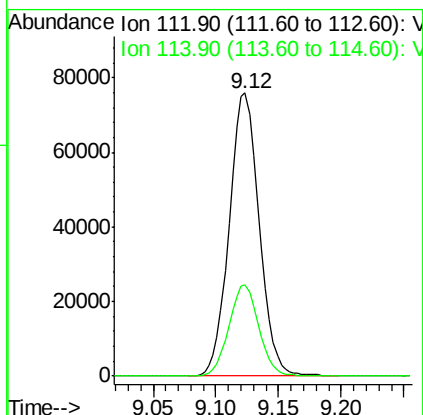
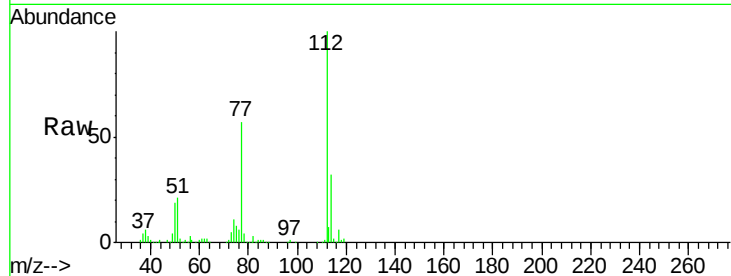




#65
Chlorobenzene
Concen: 20.15 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

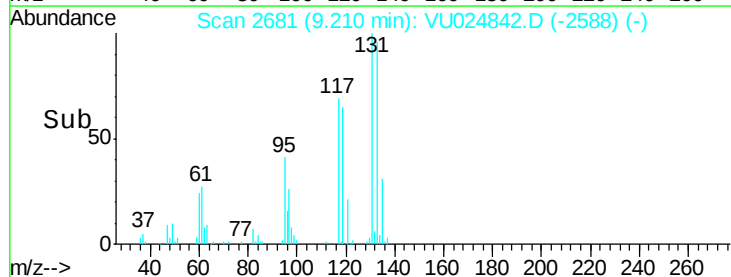
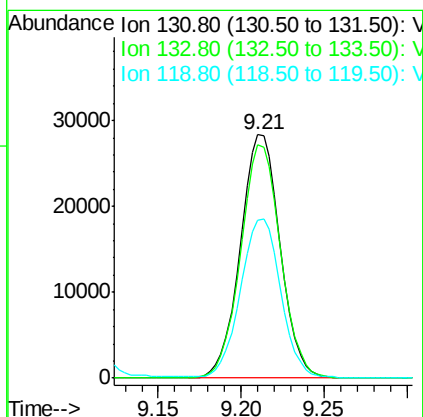
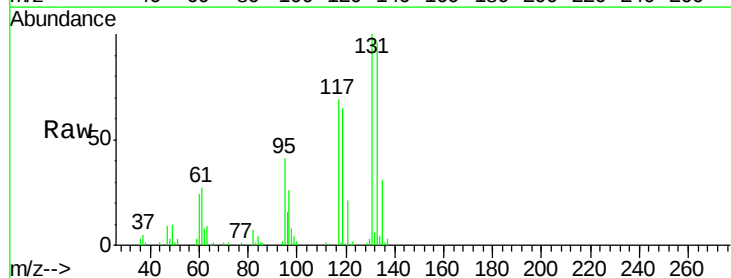
Instrument :
MSVOA_U
ClientSampleId :

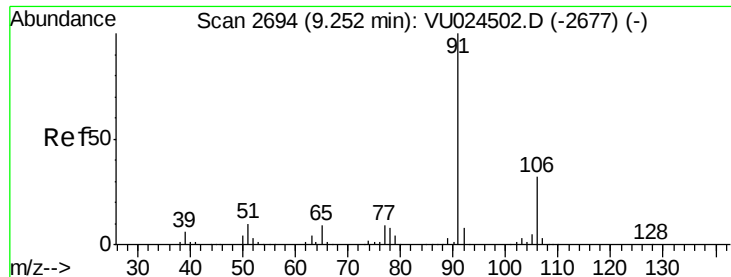
Tot Ion:112 Resp: 126249
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.85 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion:131 Resp: 47246
Ion Ratio Lower Upper
131 100
133 96.3 46.9 140.8
119 66.5 33.5 100.4





#67

Ethyl Benzene

Concen: 19.55 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

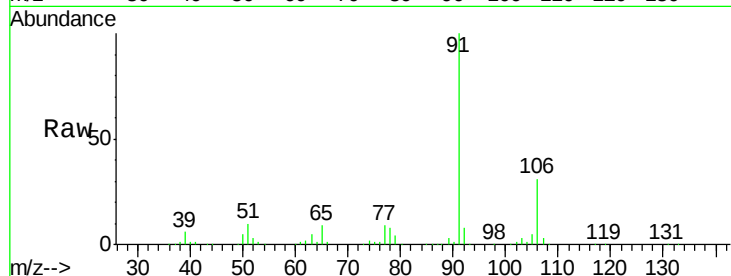
ClientSampled :

Tot Ion: 91 Resp: 214786

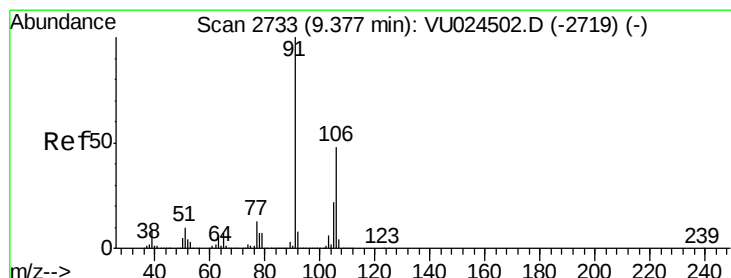
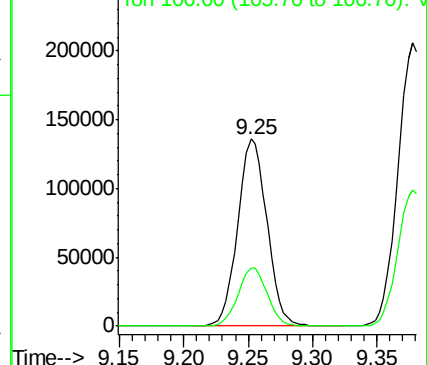
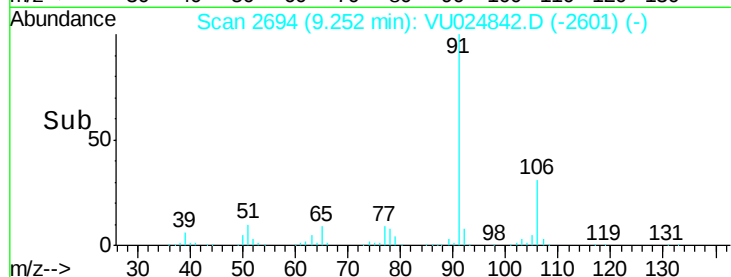
Ion Ratio Lower Upper

91 100

106 31.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU024842.D (-2601) (-)



#68

m/p-Xylenes

Concen: 39.50 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024842.D

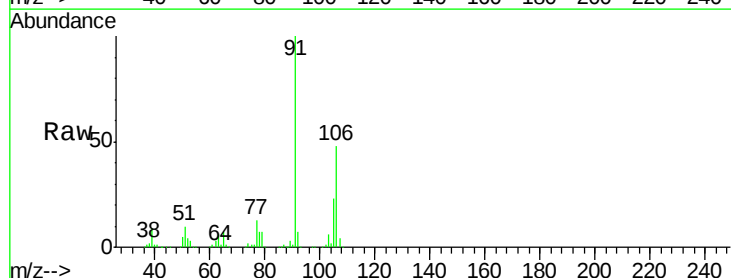
Acq: 22 Jun 2018 19:26

Tgt Ion: 106 Resp: 166622

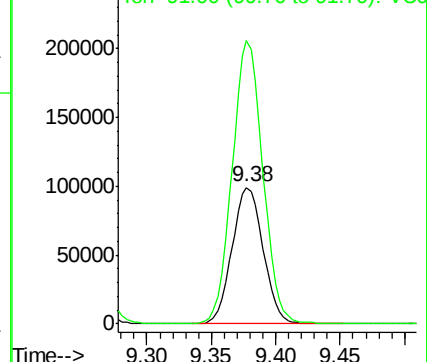
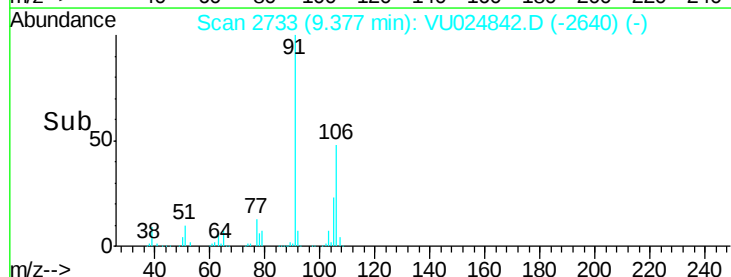
Ion Ratio Lower Upper

106 100

91 203.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024842.D (-2640) (-)

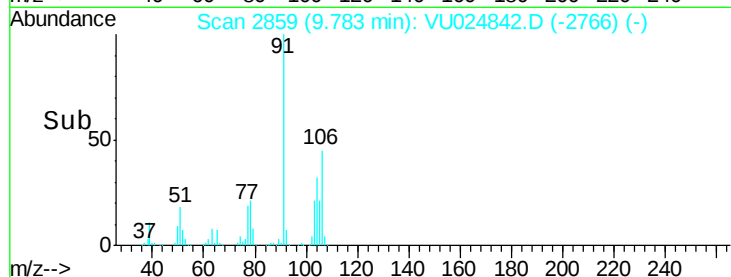
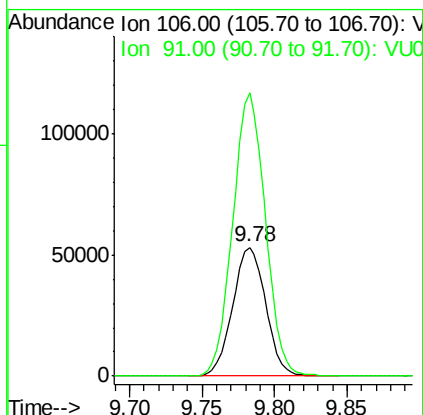
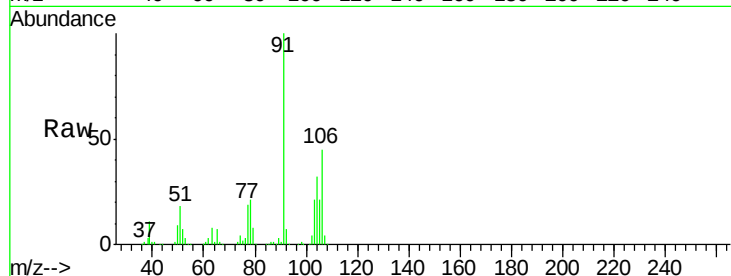




#69
o-Xylene
Concen: 20.12 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

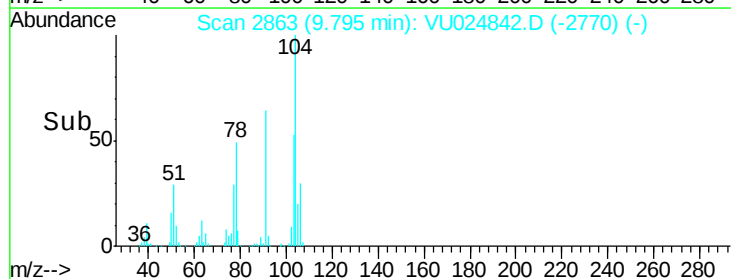
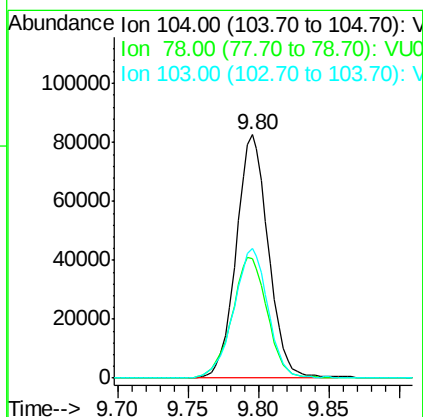
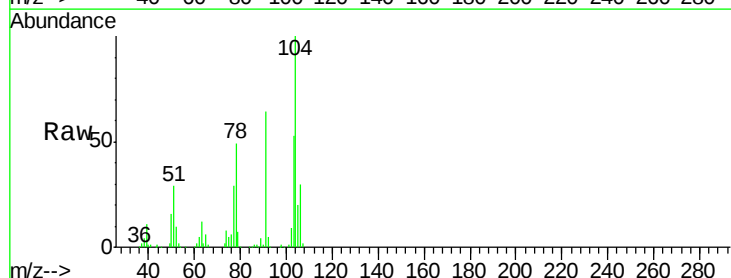
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 84004
Ion Ratio Lower Upper
106 100
91 216.6 110.7 331.9



#70
Styrene
Concen: 19.25 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024842.D
Acq: 22 Jun 2018 19:26

Tgt Ion:104 Resp: 132060
Ion Ratio Lower Upper
104 100
78 54.3 40.6 60.8
103 56.6 44.7 67.1





#71

Bromoform

Concen: 17.79 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :

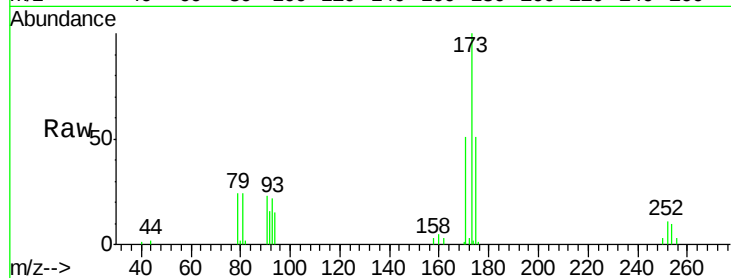
Tot Ion:173 Resp: 40244

Ion Ratio Lower Upper

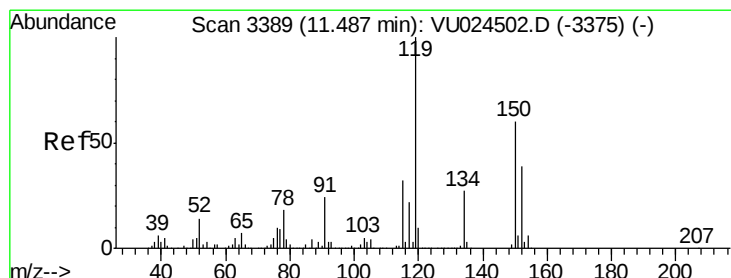
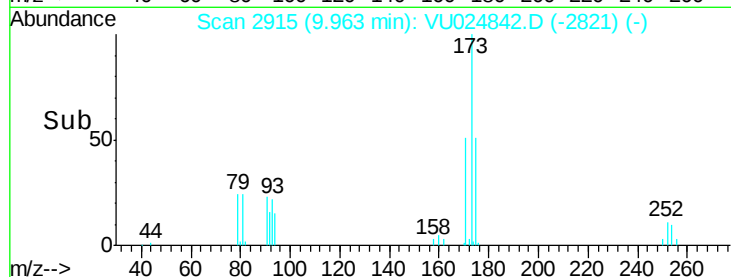
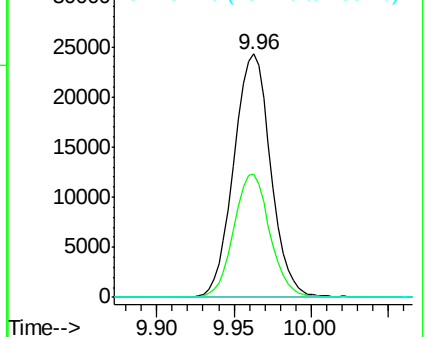
173 100

175 49.5 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: VU024842.D

Acq: 22 Jun 2018 19:26

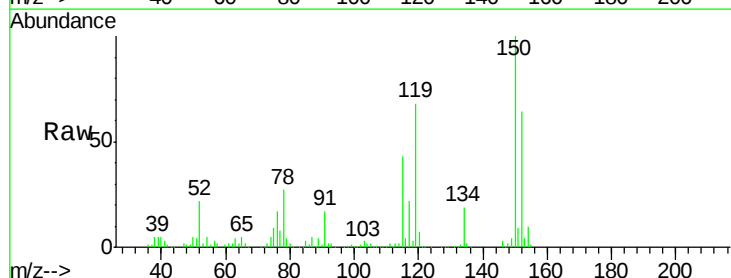
Tgt Ion:152 Resp: 144336

Ion Ratio Lower Upper

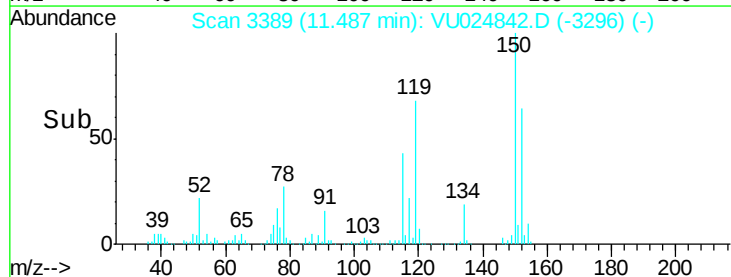
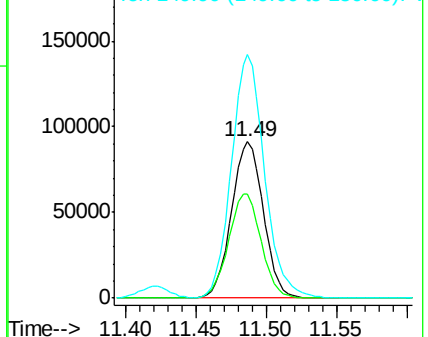
152 100

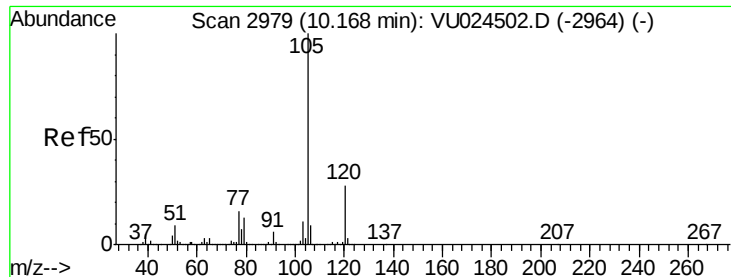
115 67.9 43.0 129.0

150 161.9 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: 20.41 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

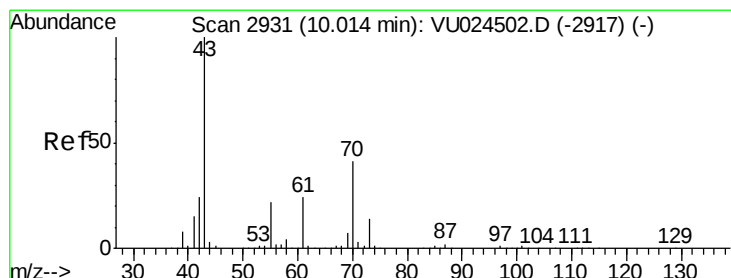
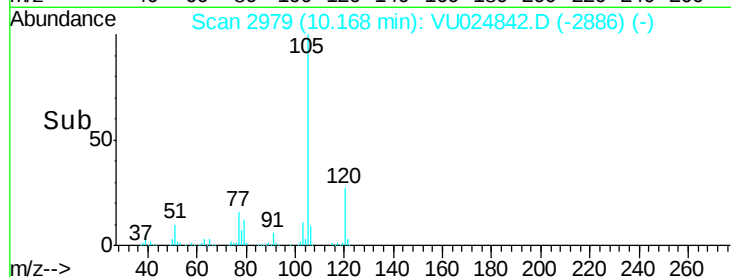
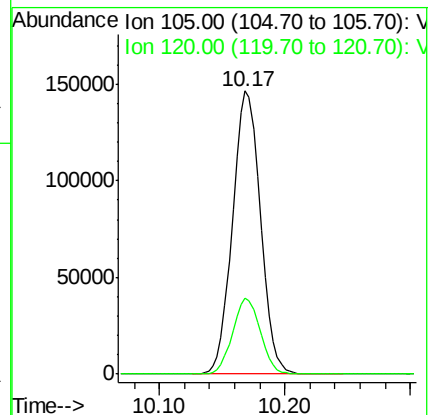
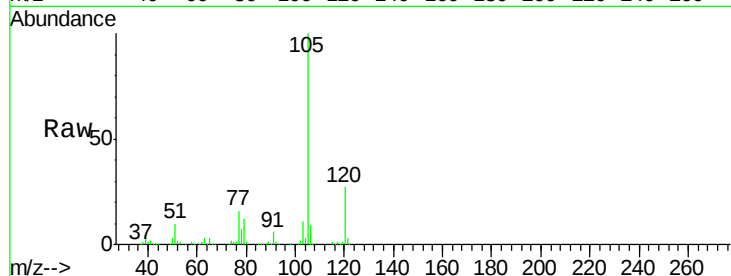
ClientSampleId :

Tot Ion:105 Resp: 226173

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 18.71 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Tgt Ion: 43 Resp: 98631

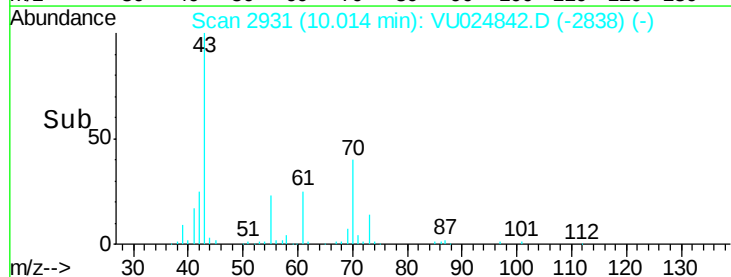
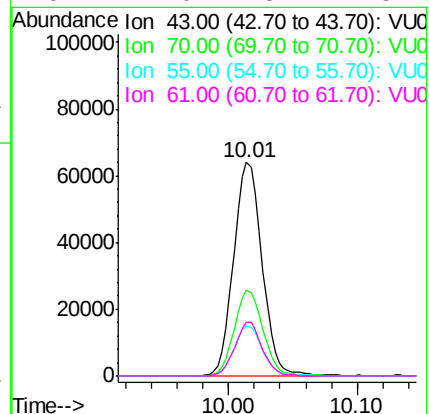
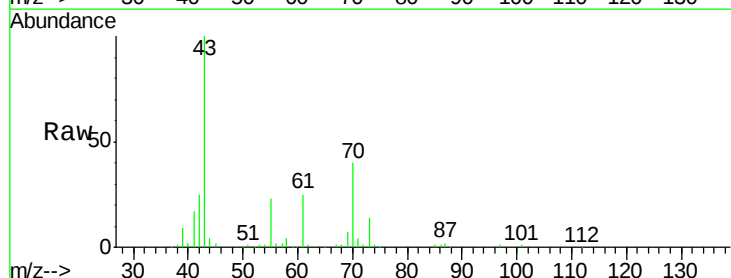
Ion Ratio Lower Upper

43 100

70 40.3 32.2 48.4

55 23.4 20.5 30.7

61 24.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.24 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampled :

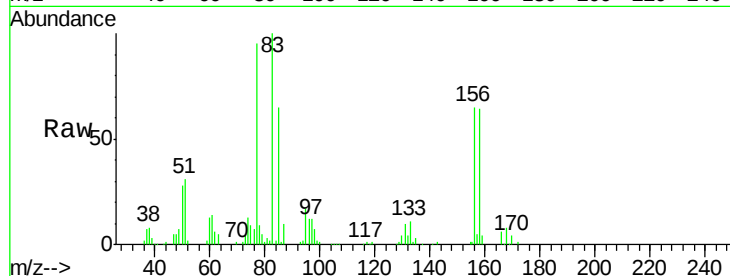
Tot Ion: 83 Resp: 78868

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

85 63.7 32.5 97.5

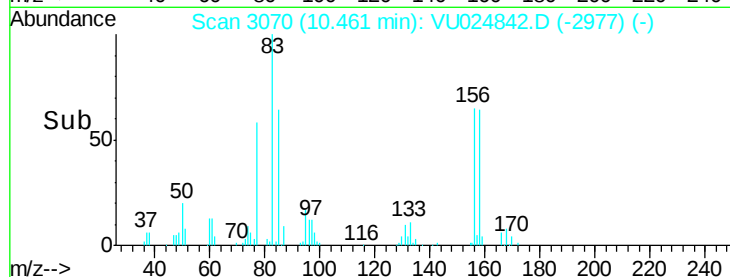


Abundance Ion 82.90 (82.60 to 83.60): VU024842.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024842.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024842.D (-2977) (-)

Time-->



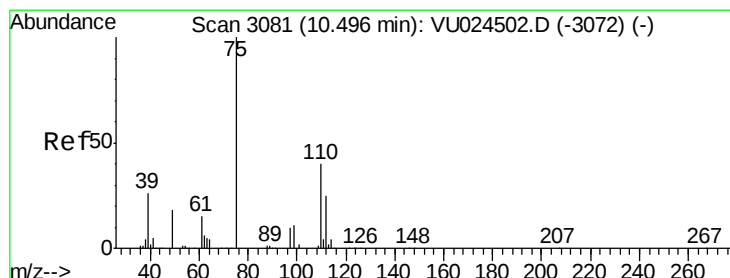
Abundance

Ion 82.90 (82.60 to 83.60): VU024842.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024842.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024842.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.39 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024842.D

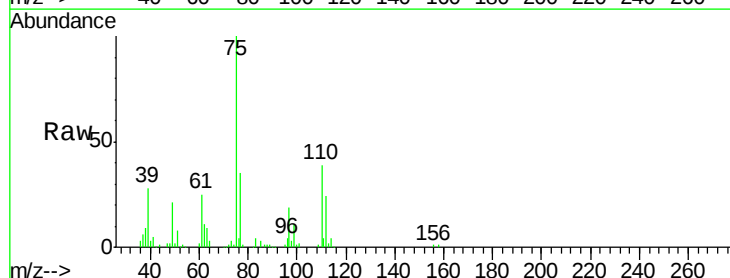
Acq: 22 Jun 2018 19:26

Tgt Ion: 75 Resp: 90219

Ion Ratio Lower Upper

75 100

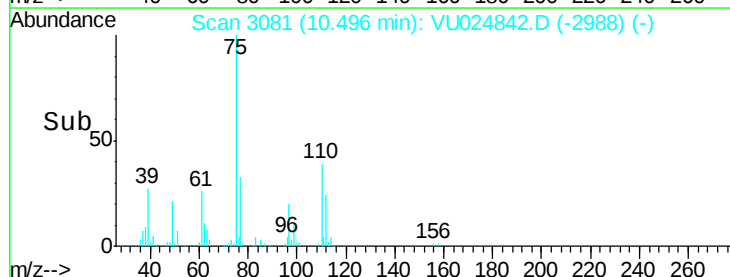
77 31.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024842.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024842.D (-2988) (-)

Time-->



Abundance

Ion 74.90 (74.60 to 75.60): VU024842.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024842.D (-2988) (-)

Time-->



#77

Bromobenzene

Concen: 20.37 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampled :

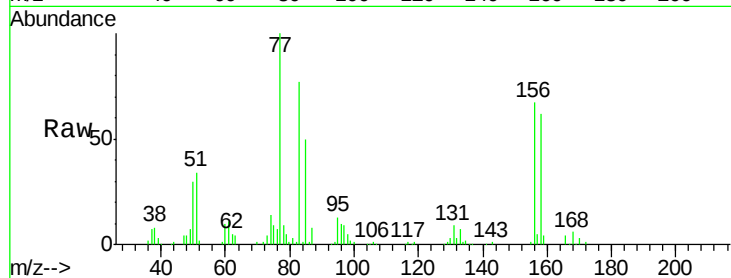
Tot Ion:156 Resp: 57135

Ion Ratio Lower Upper

156 100

77 149.9 80.5 241.3

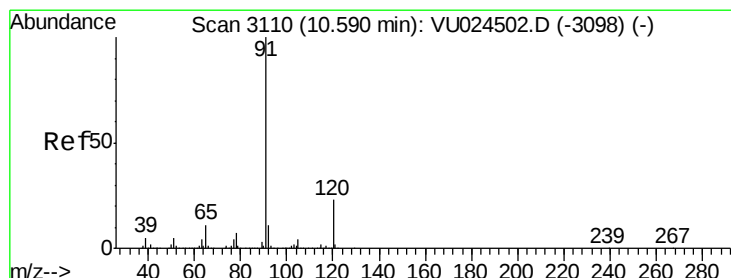
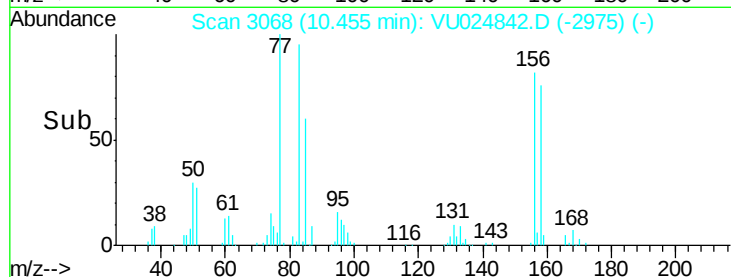
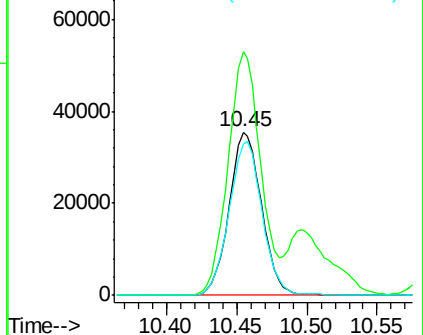
158 96.0 48.2 144.6



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: 19.12 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024842.D

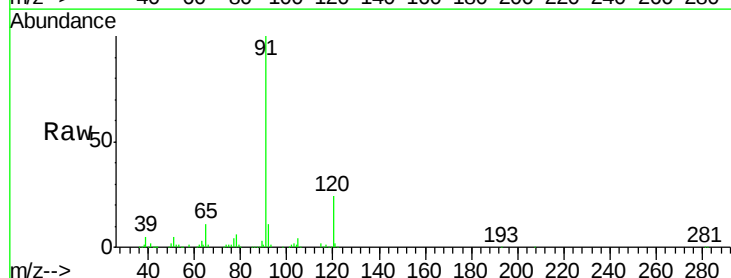
Acq: 22 Jun 2018 19:26

Tgt Ion: 91 Resp: 249656

Ion Ratio Lower Upper

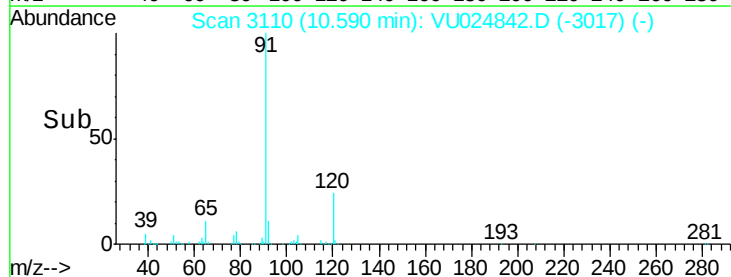
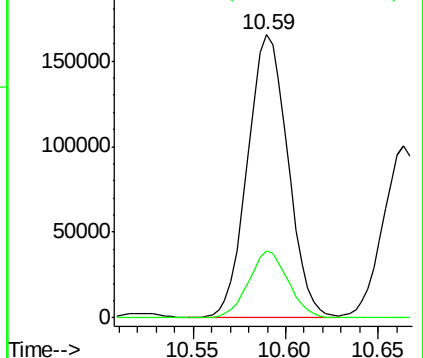
91 100

120 23.2 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: 19.88 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

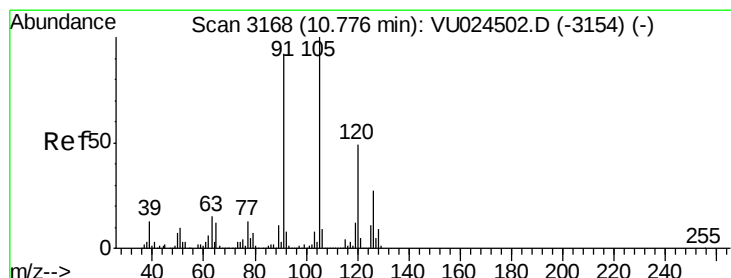
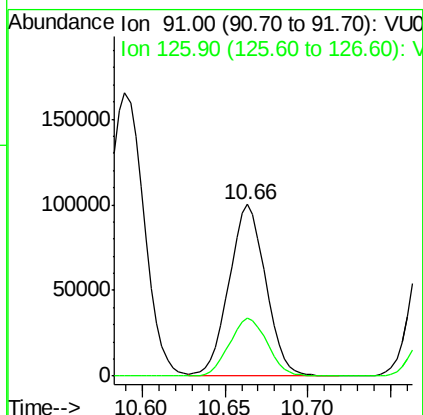
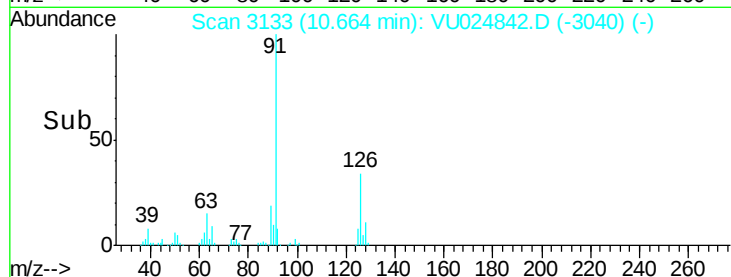
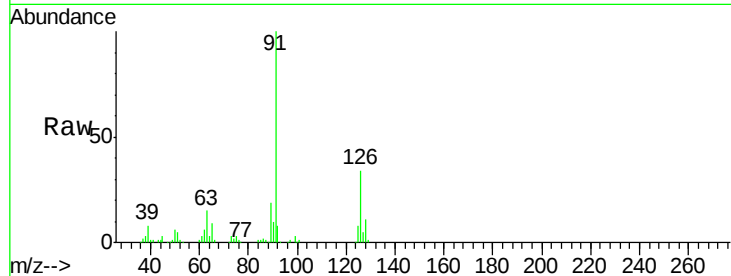
ClientSampled :

Tot Ion: 91 Resp: 153030

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 19.89 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024842.D

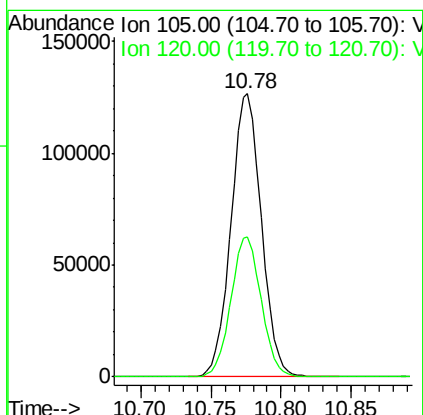
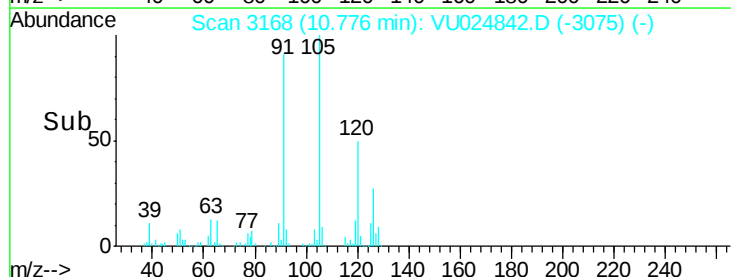
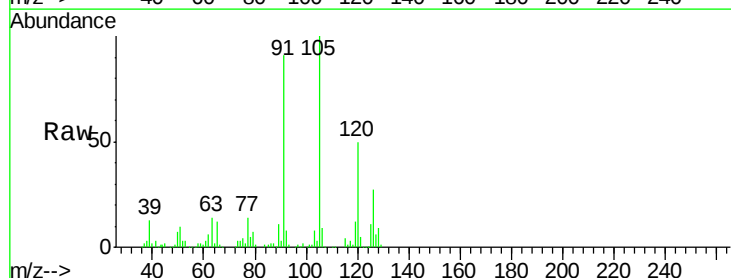
Acq: 22 Jun 2018 19:26

Tgt Ion:105 Resp: 191040

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 65.71 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

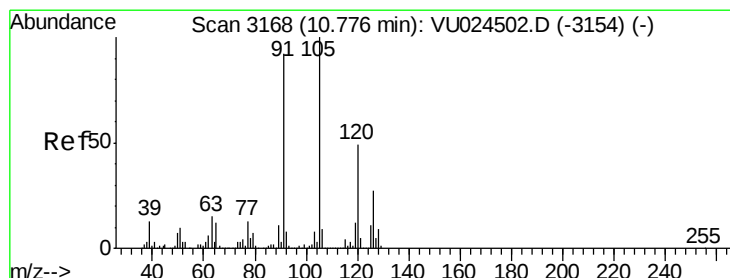
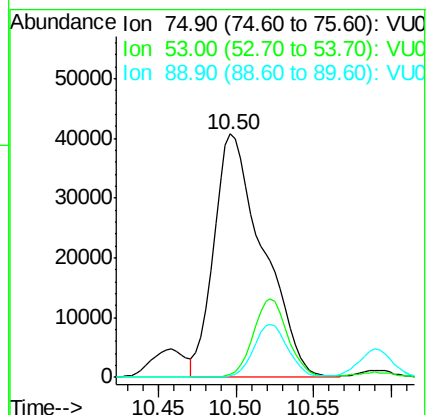
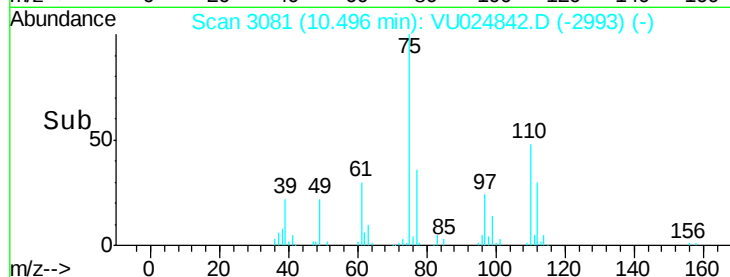
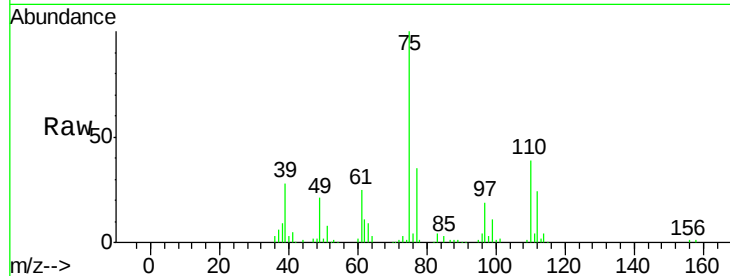
Tot Ion: 75 Resp: 90219

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.57 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024842.D

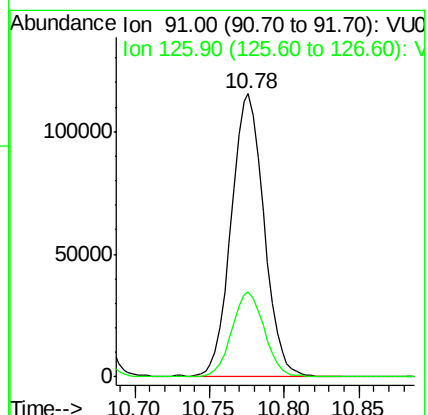
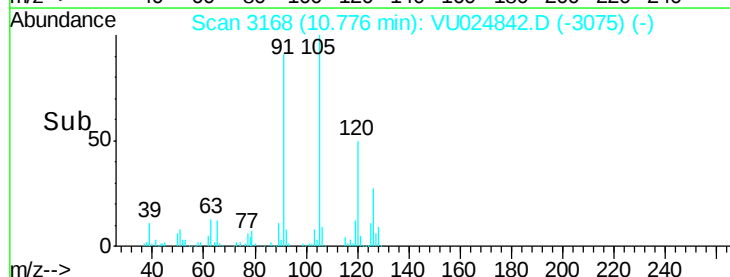
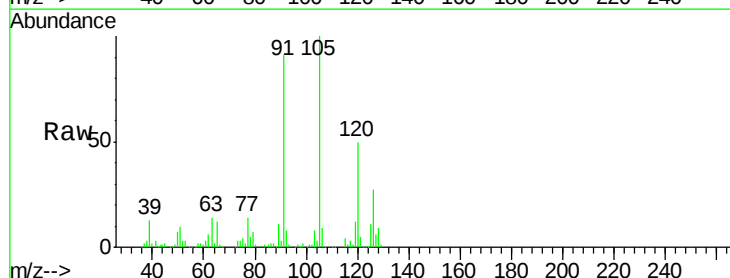
Acq: 22 Jun 2018 19:26

Tgt Ion: 91 Resp: 175350

Ion Ratio Lower Upper

91 100

126 30.0 14.9 44.9

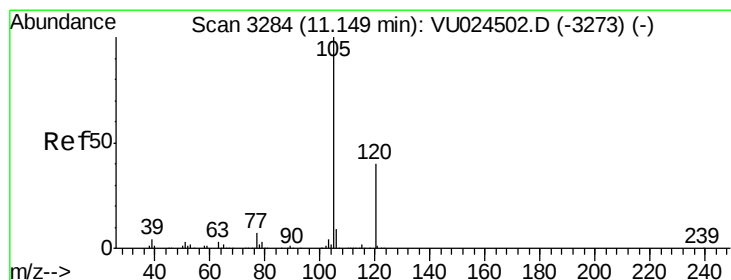
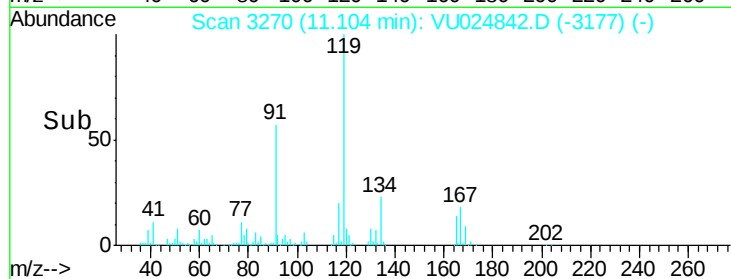
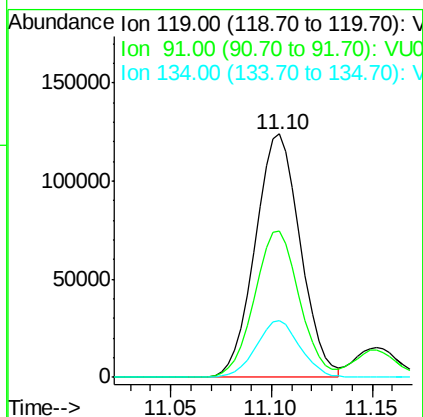
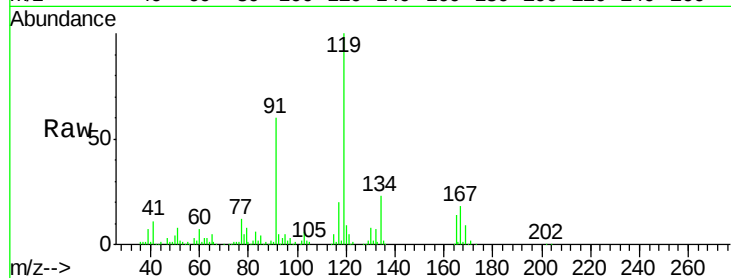




#83
 tert-Butylbenzene
 Concen: 21.00 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

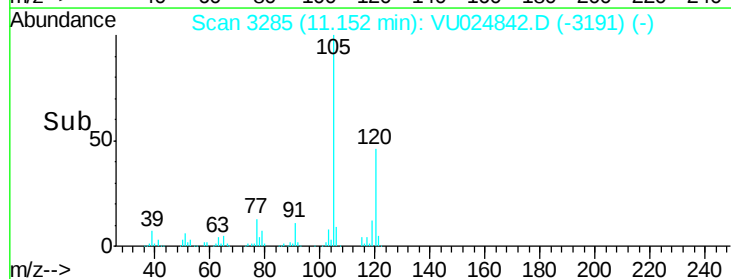
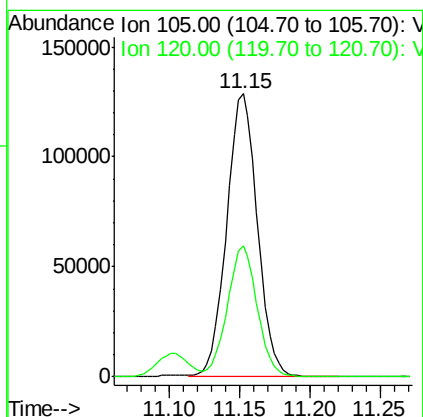
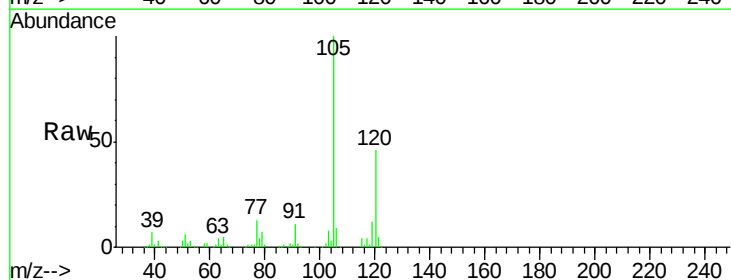
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.7	89.1
134	22.6	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.92 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.92 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

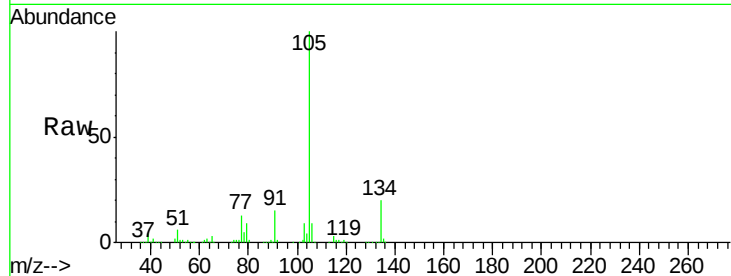
ClientSampleId :

Tot Ion:105 Resp: 230335

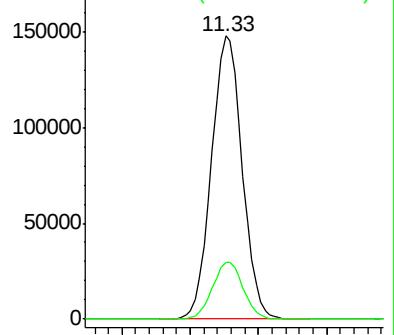
Ion Ratio Lower Upper

105 100

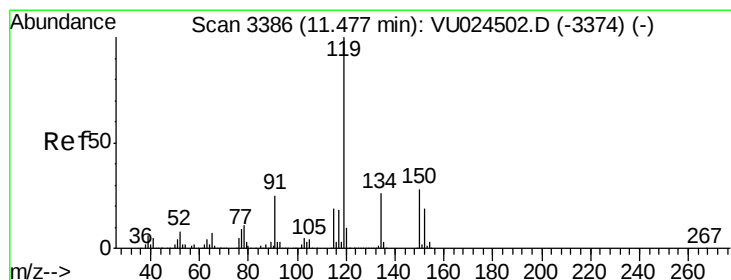
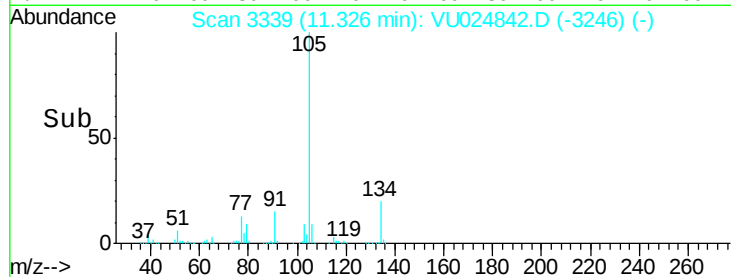
134 20.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V



Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 19.36 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

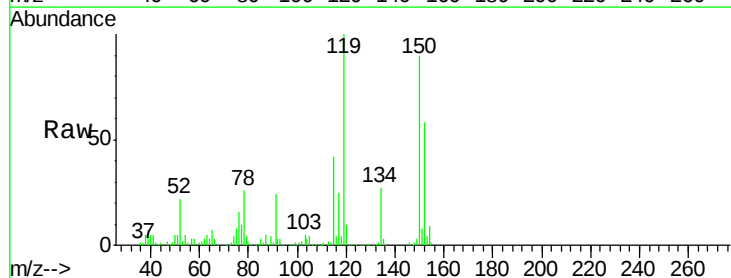
Tgt Ion:119 Resp: 200542

Ion Ratio Lower Upper

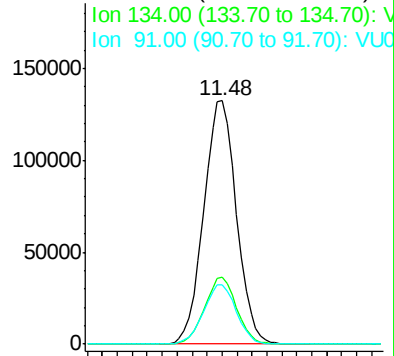
119 100

134 26.9 12.9 38.6

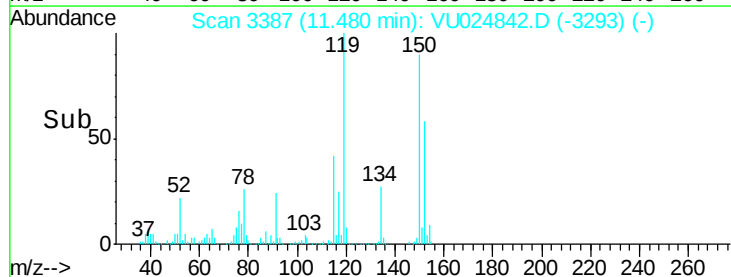
91 24.6 12.0 36.1

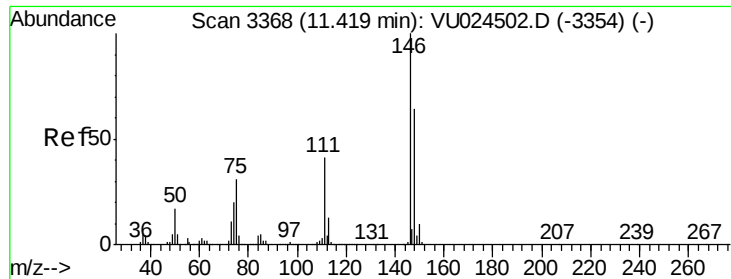


Abundance Ion 119.00 (118.70 to 119.70): V



Time--> 11.40 11.45 11.50 11.55

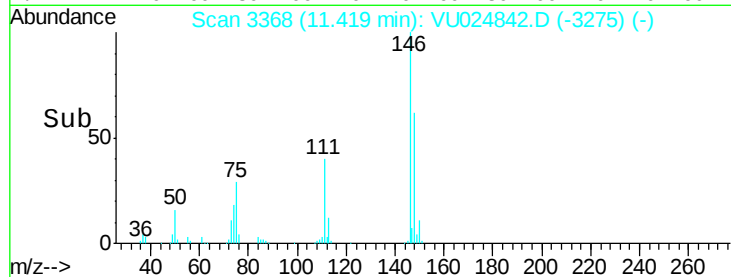
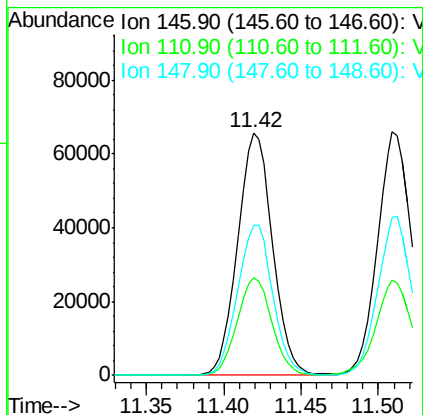
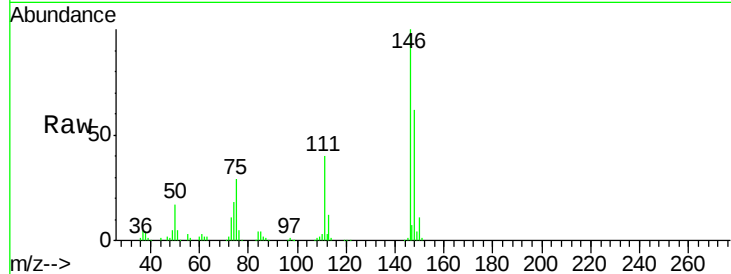




#87
 1,3-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

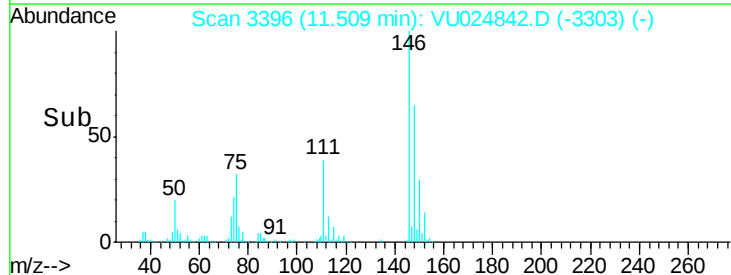
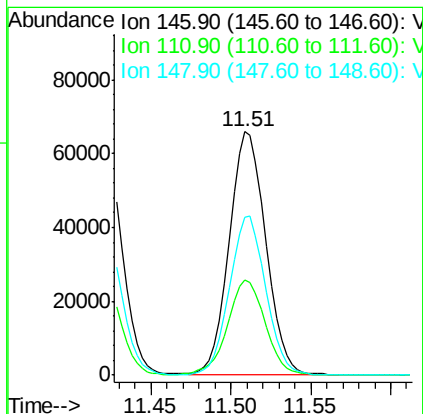
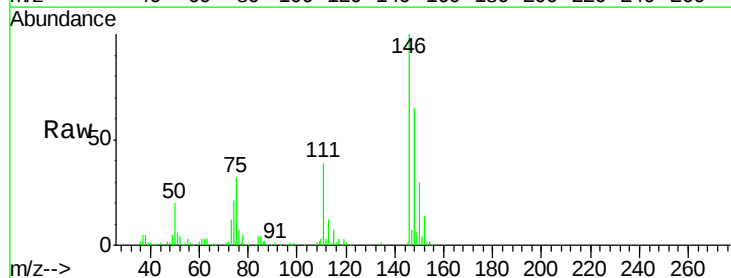
Instrument :
 MSVOA_U
 ClientSampleId :

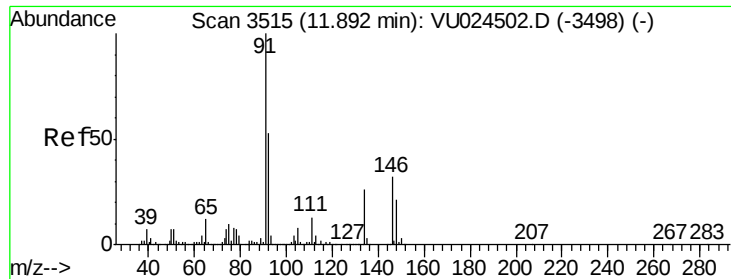
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	62.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.66 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.5	58.5
148	65.2	32.4	97.0





#89

n-Butylbenzene

Concen: 17.72 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

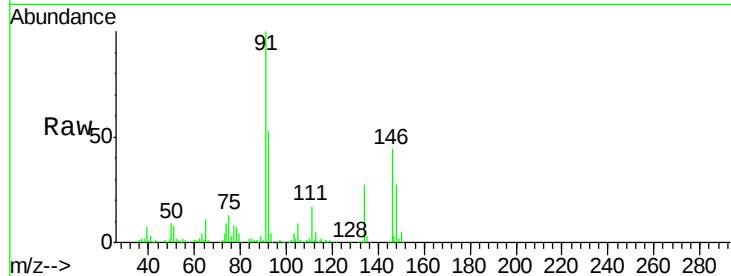
Tot Ion: 91 Resp: 162990

Ion Ratio Lower Upper

91 100

92 53.0 25.6 76.8

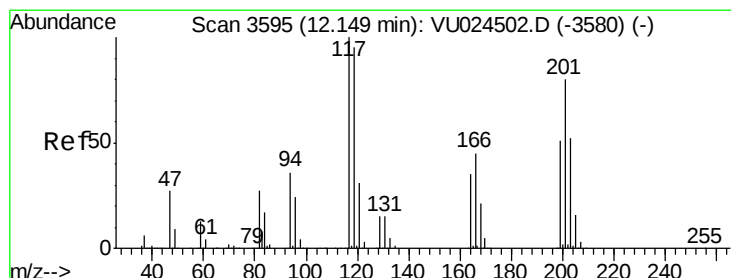
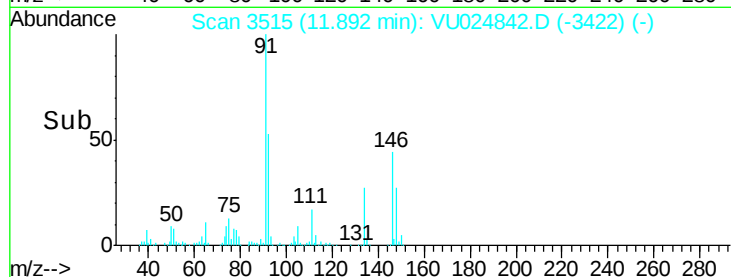
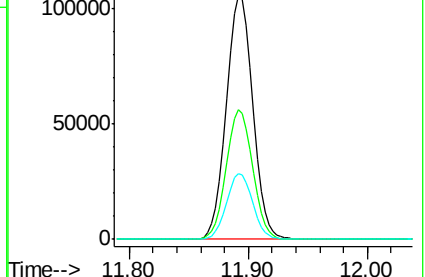
134 26.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024842.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024842.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024842.D (-3498) (-)



#90

Hexachloroethane

Concen: 17.98 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024842.D

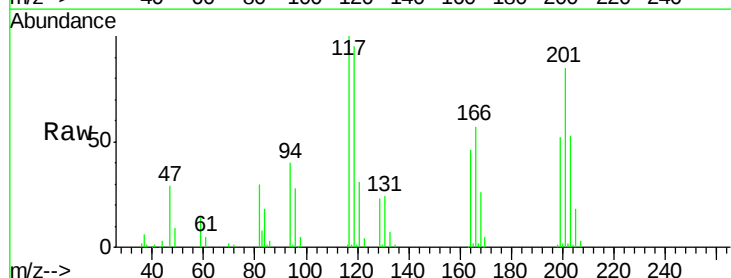
Acq: 22 Jun 2018 19:26

Tgt Ion: 117 Resp: 36333

Ion Ratio Lower Upper

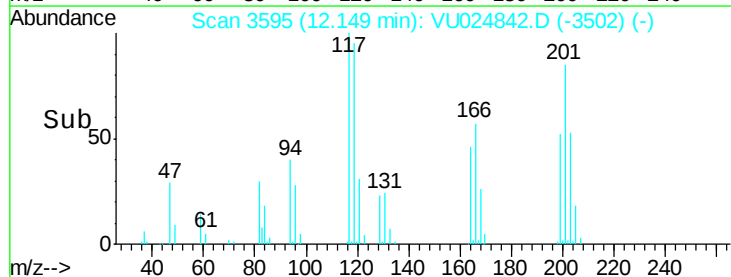
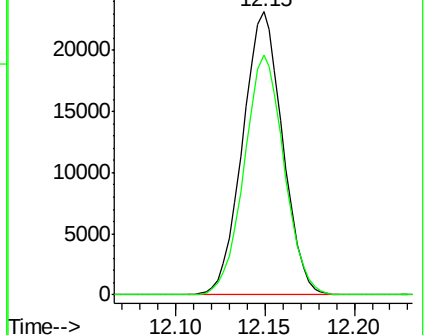
117 100

201 84.4 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024842.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024842.D (-3580) (-)





#91

1,2-Dichlorobenzene

Concen: 20.89 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

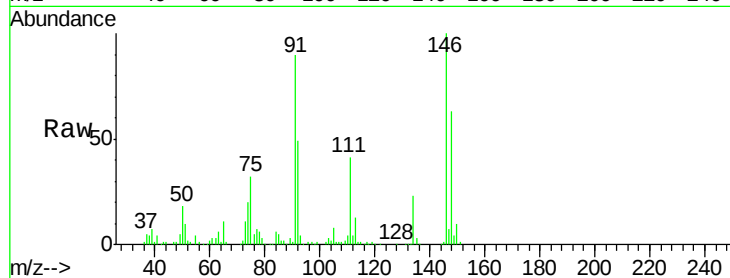
Tot Ion:146 Resp: 108437

Ion Ratio Lower Upper

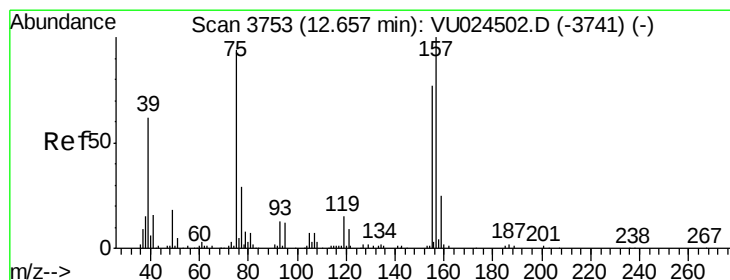
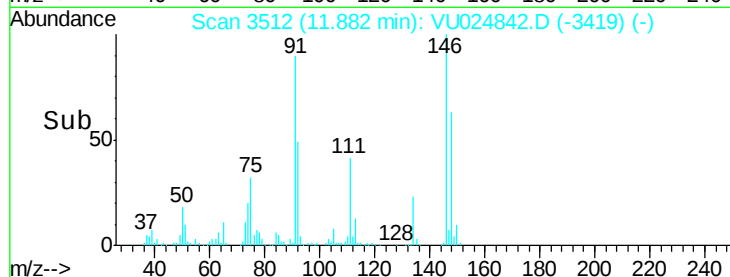
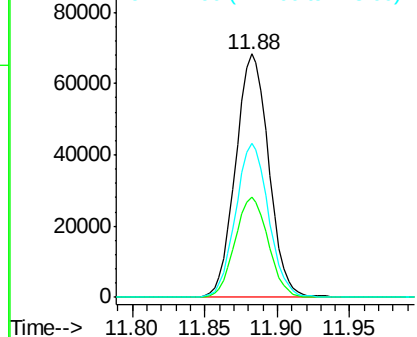
146 100

111 41.1 20.5 61.6

148 63.1 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: 19.82 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

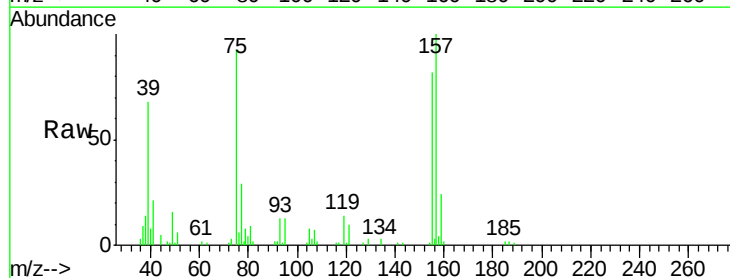
Tgt Ion: 75 Resp: 20311

Ion Ratio Lower Upper

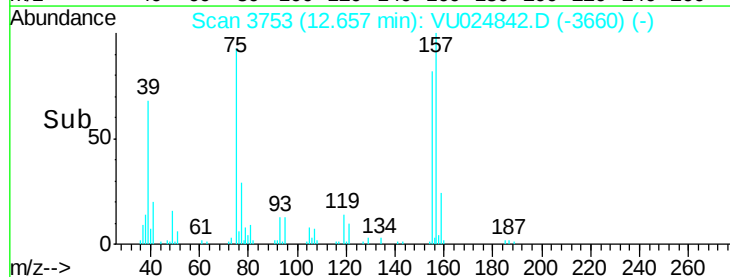
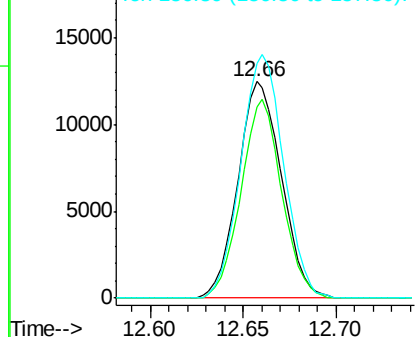
75 100

155 85.4 40.4 121.2

157 110.6 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

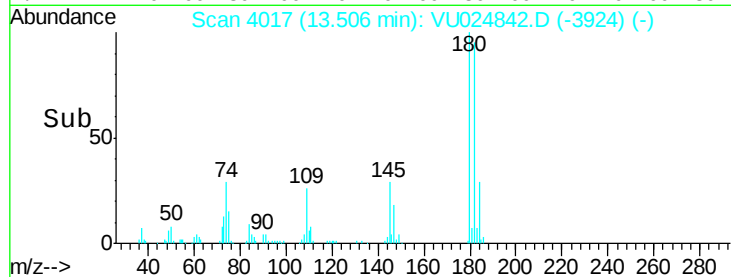
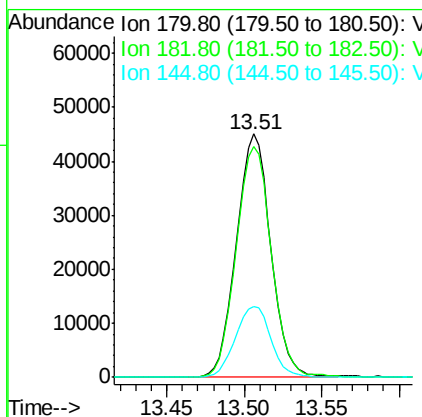
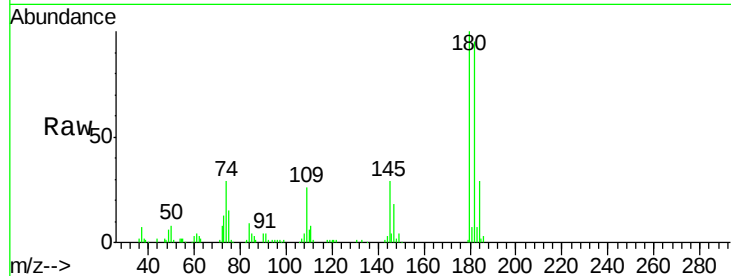




#93
 1,2,4-Trichlorobenzene
 Concen: 21.72 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

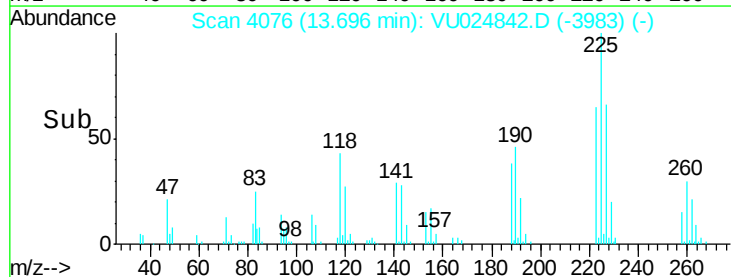
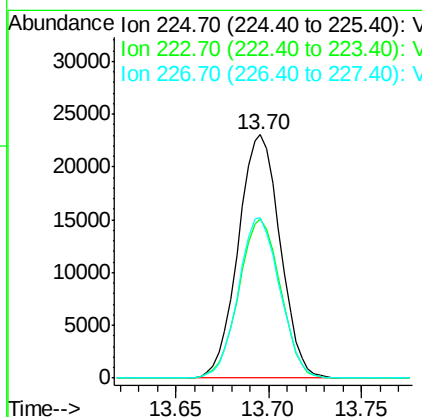
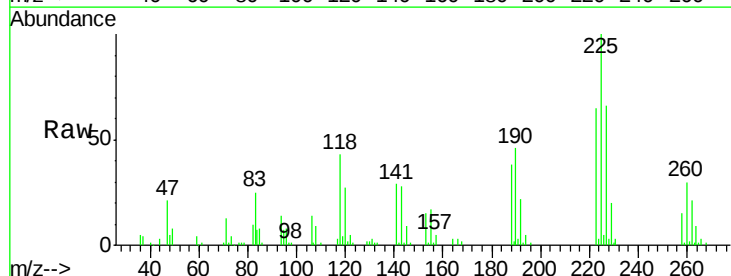
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 69623
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.0 144.2
 145 30.1 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 20.01 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024842.D
 Acq: 22 Jun 2018 19:26

Tgt Ion:225 Resp: 36110
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.3 93.8
 227 65.2 31.8 95.4





#95

Naphthalene

Concen: 22.71 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

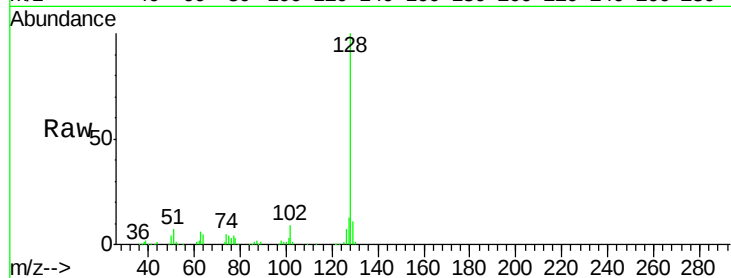
Tot Ion:128 Resp: 236990

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

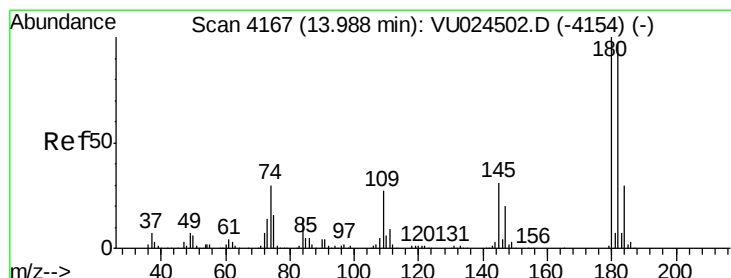
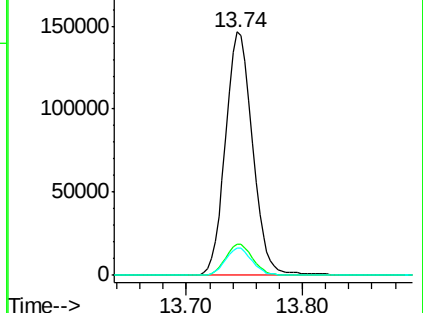
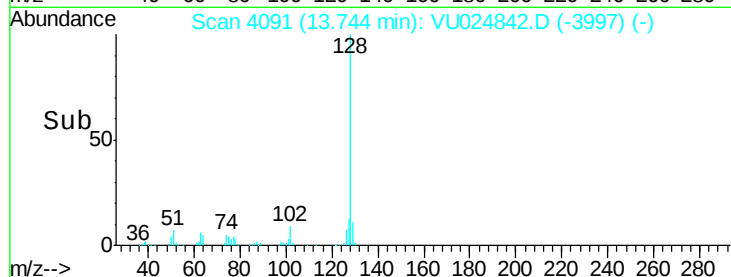
129 10.8 8.6 12.8



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: 23.12 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024842.D

Acq: 22 Jun 2018 19:26

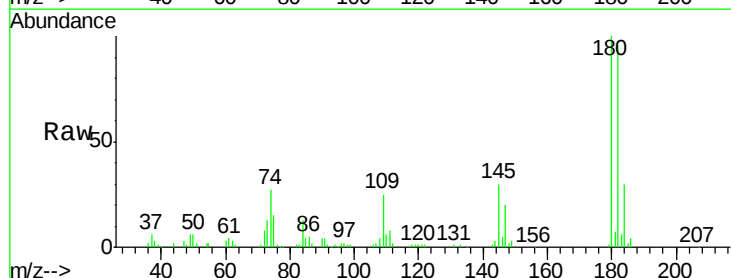
Tgt Ion:180 Resp: 73846

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 30.8 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

