

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025210.D
 Acq On : 05 Jul 2018 12:59
 Operator : MD/SY
 Sample : VU0705WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

Quant Time: Jul 06 05:11:29 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	162191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	246261	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	130032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	132280	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	4.89	113	108943	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	7.57	98	342884	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	10.31	95	146638	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34584	17.04	ug/l	98
3) Chloromethane	1.33	50	37419	18.04	ug/l	99
4) Vinyl Chloride	1.40	62	41272	19.30	ug/l	99
5) Bromomethane	1.62	94	26488	25.62	ug/l	98
6) Chloroethane	1.70	64	26684	21.73	ug/l	98
7) Trichlorofluoromethane	1.89	101	69820	21.39	ug/l	98
8) Diethyl Ether	2.10	74	25922	22.29	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41462	20.47	ug/l	97
10) Methyl Iodide	2.41	142	38165	25.20	ug/l	98
11) Tert butyl alcohol	2.82	59	70146	108.93	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36674	19.86	ug/l	96
13) Acrolein	2.19	56	14301	42.29	ug/l	92
14) Allyl chloride	2.59	41	66272	19.33	ug/l	98
15) Acrylonitrile	2.94	53	139545	111.38	ug/l	98
16) Acetone	2.32	43	144476	101.55	ug/l	98
17) Carbon Disulfide	2.48	76	100273	16.96	ug/l	98
18) Methyl Acetate	2.62	43	85225	27.94	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	153164	22.06	ug/l	97
20) Methylene Chloride	2.70	84	46053	20.63	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41779	20.54	ug/l	98
22) Diisopropyl ether	3.57	45	148655	21.87	ug/l	93
23) Vinyl Acetate	3.53	43	614445	100.91	ug/l	98
24) 1,1-Dichloroethane	3.45	63	83713	21.41	ug/l	98
25) 2-Butanone	4.26	43	205665	107.62	ug/l	97
26) 2,2-Dichloropropane	4.23	77	76062	20.48	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	50477	21.59	ug/l	100
28) Bromochloromethane	4.55	49	36882	21.41	ug/l	88
29) Tetrahydrofuran	4.64	42	128057	108.21	ug/l	97
30) Chloroform	4.68	83	89595	22.64	ug/l	98
31) Cyclohexane	5.00	56	74998	20.43	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	80212	21.92	ug/l	97
36) 1,1-Dichloropropene	5.14	75	60694	20.97	ug/l	98
37) Ethyl Acetate	4.38	43	73225	23.22	ug/l	96
38) Carbon Tetrachloride	5.14	117	70726	22.23	ug/l	97

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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)
39) Methylcyclohexane	6.42	83	74657	20.67	ug/l	95
40) Benzene	5.39	78	179375	21.75	ug/l	100
41) Methacrylonitrile	4.54	41	40429	23.77	ug/l	97
42) 1,2-Dichloroethane	5.41	62	76285	24.29	ug/l	99
43) Isopropyl Acetate	5.55	43	118797	21.79	ug/l	99
44) Trichloroethene	6.19	130	48762	20.78	ug/l	100
45) 1,2-Dichloropropane	6.44	63	46993	21.36	ug/l	96
46) Dibromomethane	6.56	93	34907	22.59	ug/l	95
47) Bromodichloromethane	6.76	83	66679	21.67	ug/l	100
48) Methyl methacrylate	6.63	41	60151	22.66	ug/l	98
49) 1,4-Dioxane	6.62	88	28051	540.31	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	389569	113.74	ug/l	100
52) Toluene	7.64	92	116685	22.00	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	71755	20.76	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	74951	20.35	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	48164	22.34	ug/l	97
56) Ethyl methacrylate	8.02	69	75774	20.99	ug/l	98
57) 1,3-Dichloropropane	8.25	76	82887	22.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	127411	92.14	ug/l	94
59) 2-Hexanone	8.36	43	305018	109.08	ug/l	99
60) Dibromochloromethane	8.48	129	53274	19.81	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54235	22.60	ug/l	98
64) Tetrachloroethene	8.23	164	47409	21.58	ug/l	95
65) Chlorobenzene	9.12	112	132988	22.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	50662	22.58	ug/l	97
67) Ethyl Benzene	9.25	91	227624	21.99	ug/l	98
68) m/p-Xylenes	9.38	106	177235	44.59	ug/l	97
69) o-Xylene	9.78	106	87133	22.15	ug/l	99
70) Styrene	9.80	104	136799	21.16	ug/l	99
71) Bromoform	9.96	173	41449	19.44	ug/l #	98
73) Isopropylbenzene	10.17	105	236774	23.72	ug/l	100
74) N-amyl acetate	10.01	43	97113	20.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	81021	24.22	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	92443	32.29	ug/l	83
77) Bromobenzene	10.46	156	61092	24.17	ug/l	94
78) n-propylbenzene	10.59	91	257588	21.90	ug/l	98
79) 2-Chlorotoluene	10.66	91	161370	23.27	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	202484	23.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	92443	74.73	ug/l #	100
82) 4-Chlorotoluene	10.78	91	177620	22.00	ug/l	98
83) tert-Butylbenzene	11.10	119	202481	24.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	199798	22.66	ug/l	99
85) sec-Butylbenzene	11.33	105	236375	22.69	ug/l	98
86) p-Isopropyltoluene	11.48	119	205800	22.05	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	103639	22.20	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	103947	22.12	ug/l	100
89) n-Butylbenzene	11.89	91	156978	18.95	ug/l	98
90) Hexachloroethane	12.15	117	36135	19.85	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	108086	23.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19571	21.20	ug/l	96

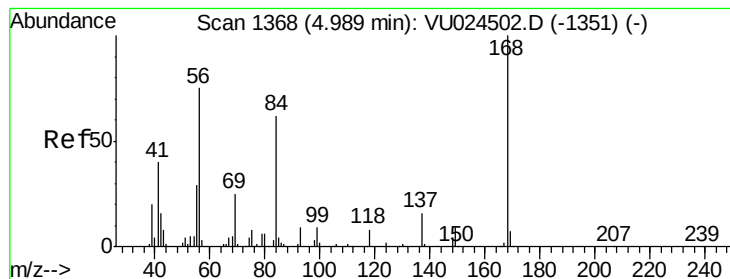
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070518\
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	60664	21.00	ug/l	99
94) Hexachlorobutadiene	13.70	225	36490	22.45	ug/l	99
95) Naphthalene	13.75	128	200833	21.40	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	67159	23.34	ug/l	98

(#) = 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: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

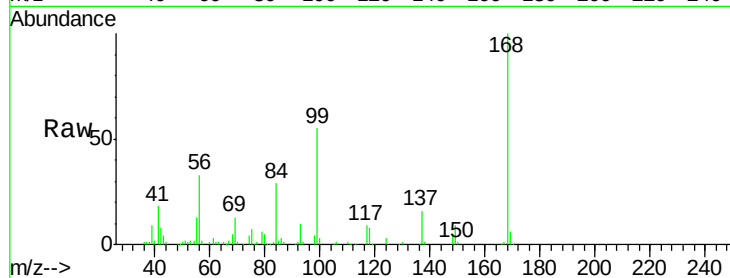
VU0705WBS01

Tot Ion:168 Resp: 162191

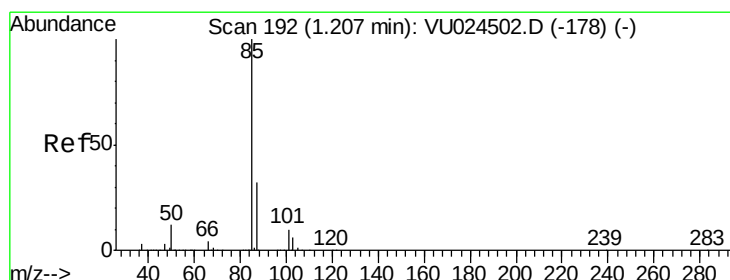
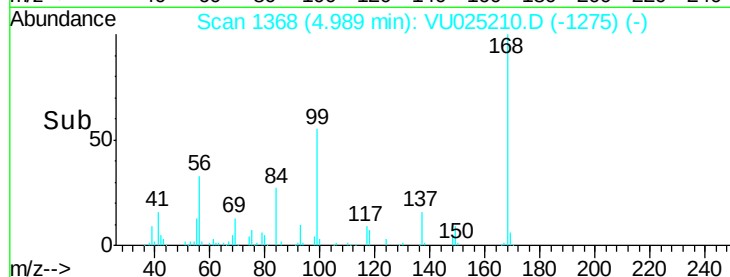
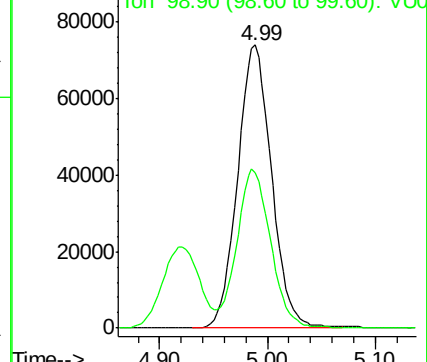
Ion Ratio Lower Upper

168 100

99 54.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025210.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 17.04 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025210.D

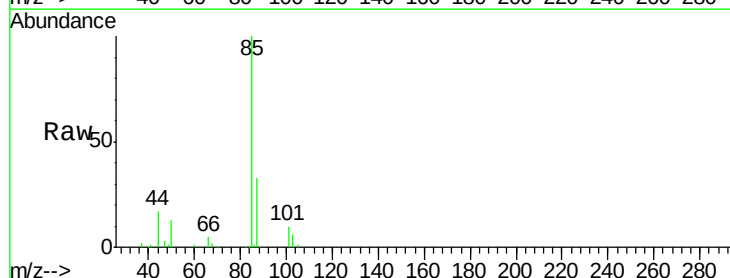
Acq: 05 Jul 2018 12:59

Tgt Ion: 85 Resp: 34584

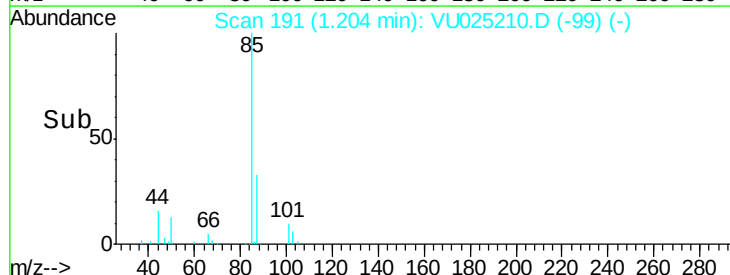
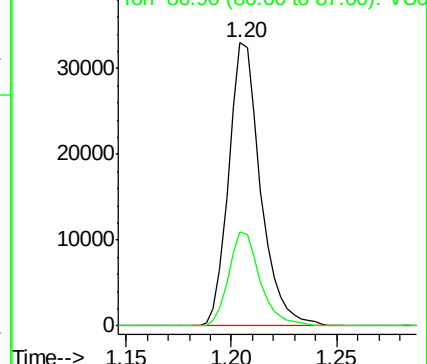
Ion Ratio Lower Upper

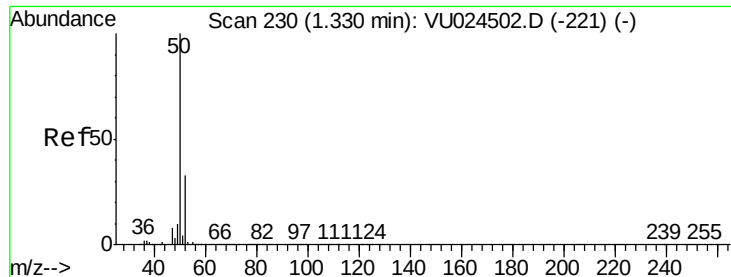
85 100

87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU025210.D (-178) (-)





#3

Chloromethane

Concen: 18.04 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

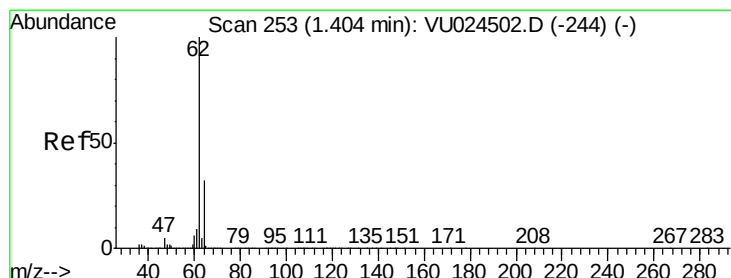
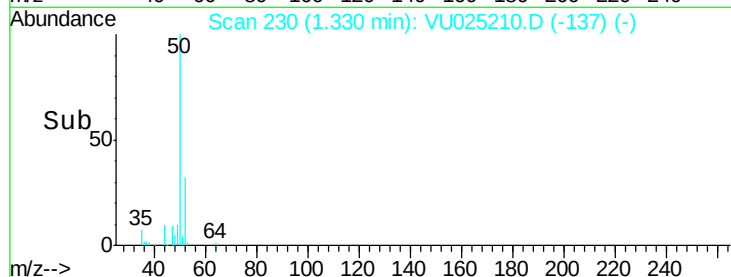
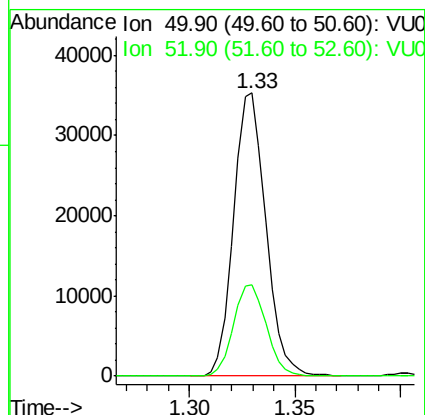
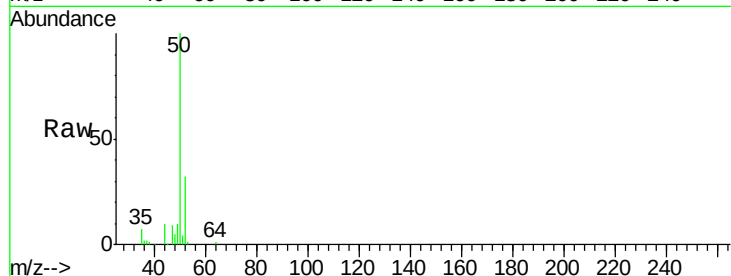
VU0705WBS01

Tot Ion: 50 Resp: 37419

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



#4

Vinyl Chloride

Concen: 19.30 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025210.D

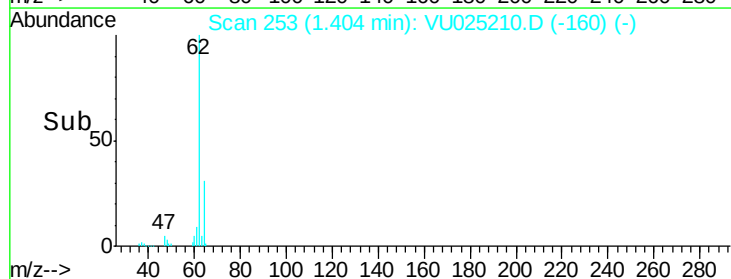
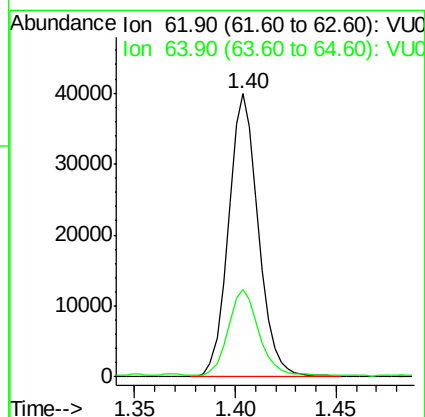
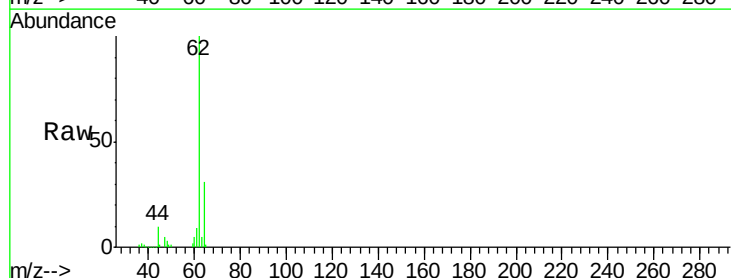
Acq: 05 Jul 2018 12:59

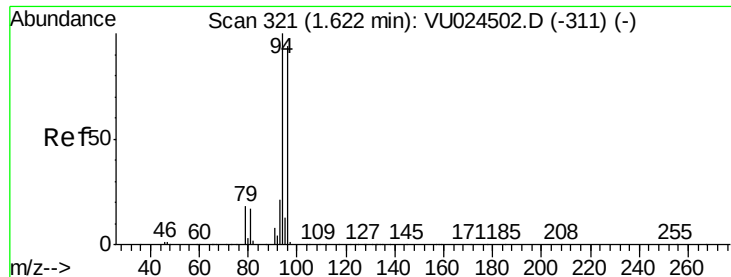
Tgt Ion: 62 Resp: 41272

Ion Ratio Lower Upper

62 100

64 30.5 24.8 37.2





#5

Bromomethane

Concen: 25.62 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

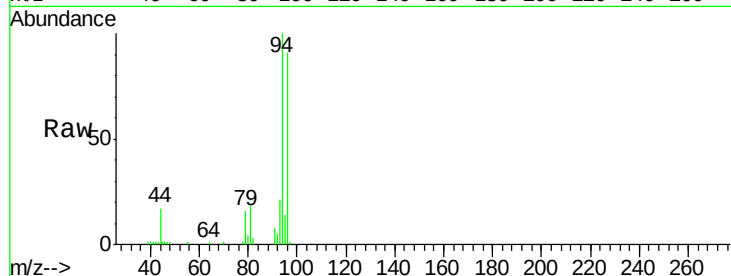
VU0705WBS01

Tot Ion: 94 Resp: 26488

Ion Ratio Lower Upper

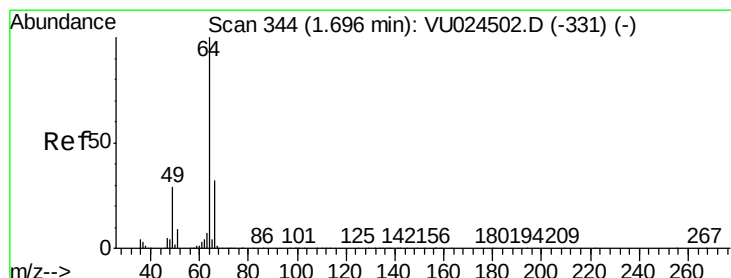
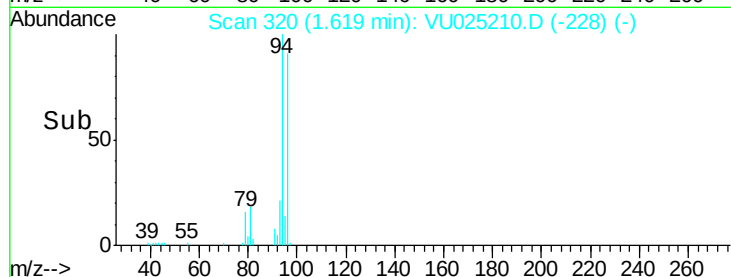
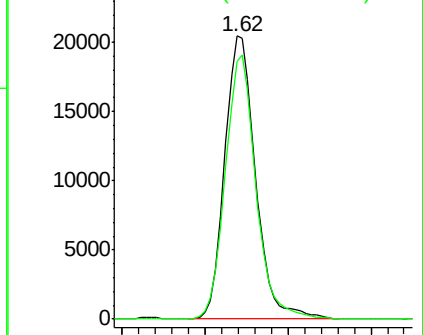
94 100

96 91.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.73 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025210.D

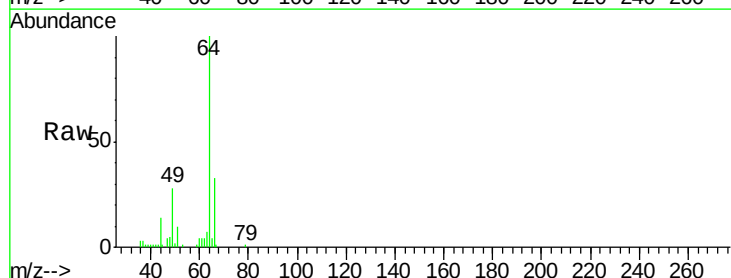
Acq: 05 Jul 2018 12:59

Tgt Ion: 64 Resp: 26684

Ion Ratio Lower Upper

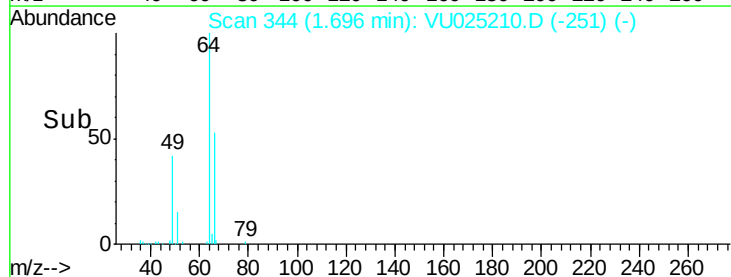
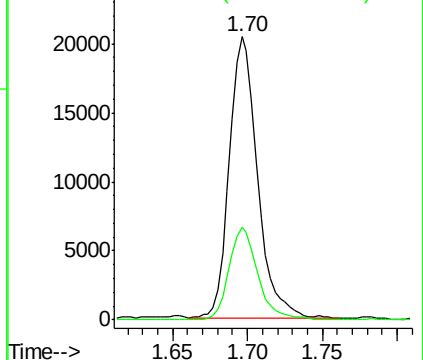
64 100

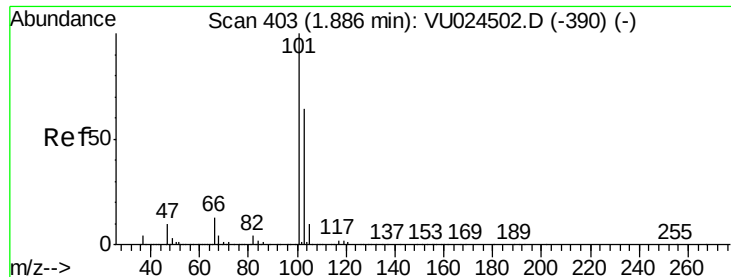
66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 21.39 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

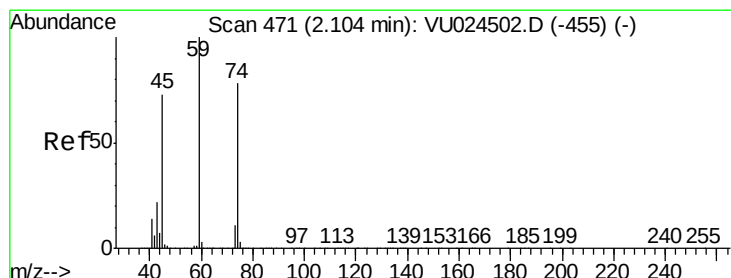
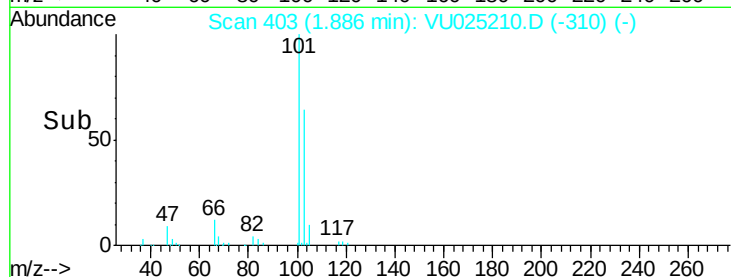
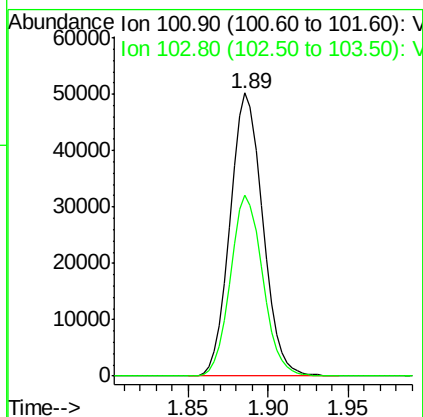
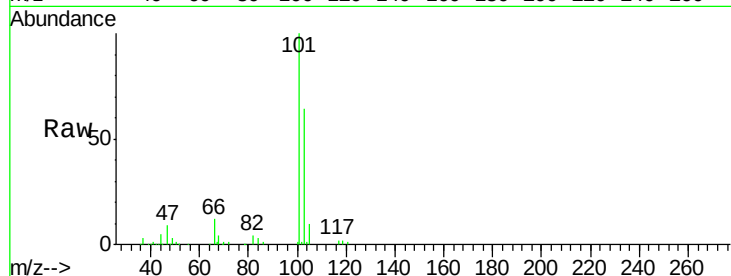
VU0705WBS01

Tot Ion:101 Resp: 69820

Ion Ratio Lower Upper

101 100

103 63.7 52.3 78.5



#8

Diethyl Ether

Concen: 22.29 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025210.D

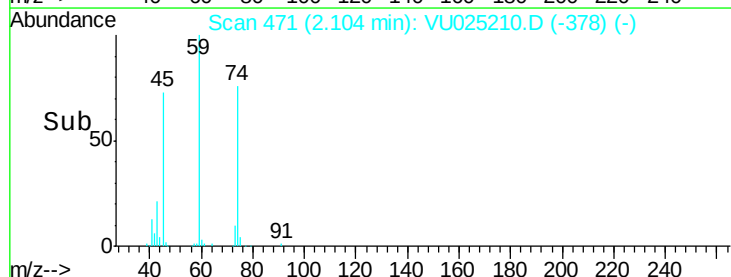
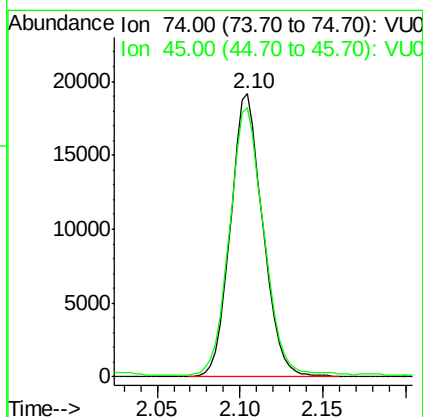
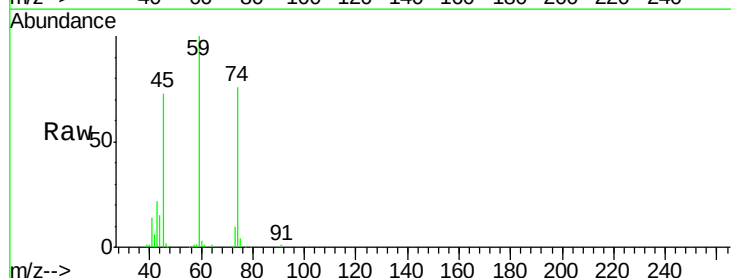
Acq: 05 Jul 2018 12:59

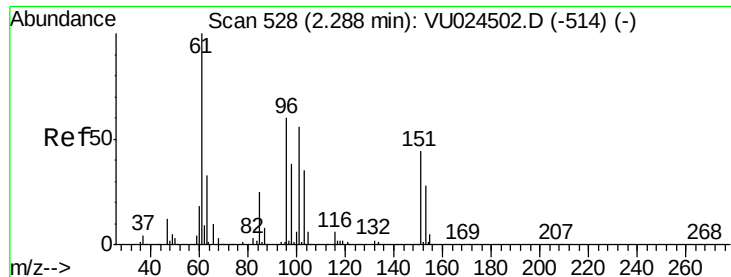
Tgt Ion: 74 Resp: 25922

Ion Ratio Lower Upper

74 100

45 100.7 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.47 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

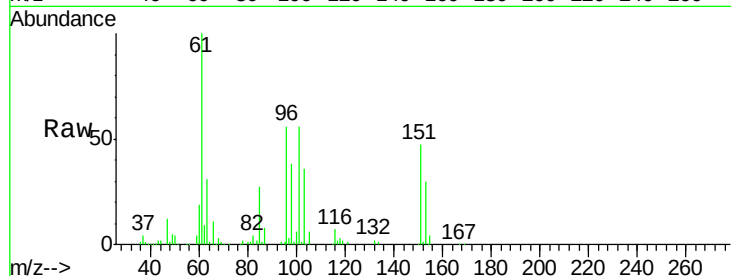
Tot Ion:101 Resp: 41462

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

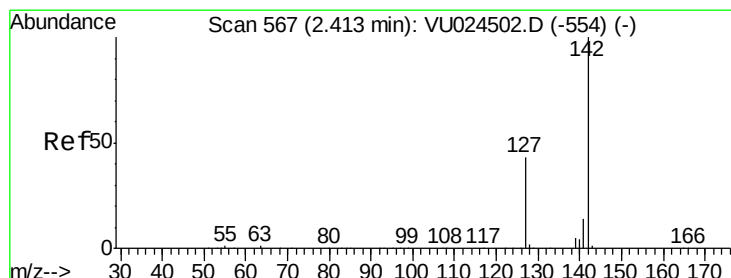
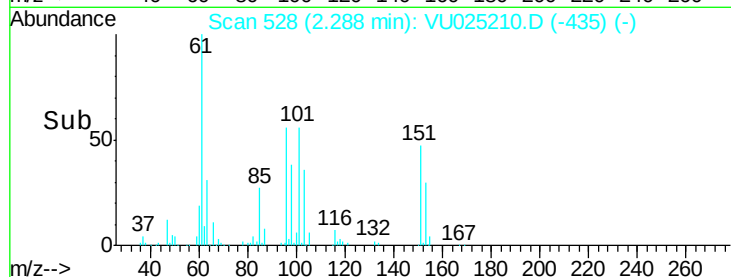
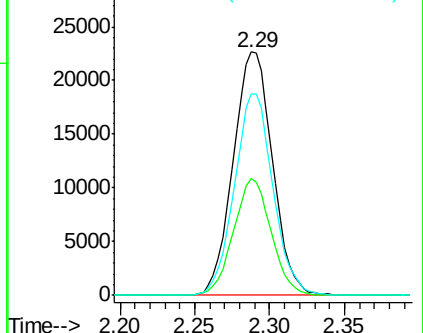
151 81.2 62.3 93.5



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: 25.20 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

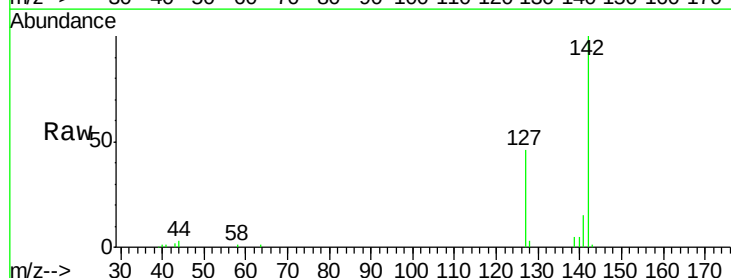
Tgt Ion:142 Resp: 38165

Ion Ratio Lower Upper

142 100

127 46.1 35.6 53.4

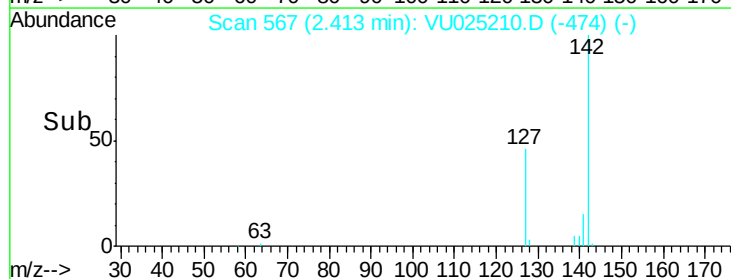
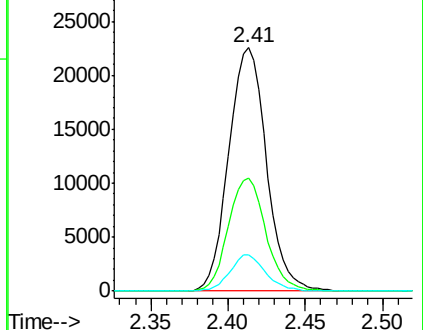
141 13.8 11.7 17.5

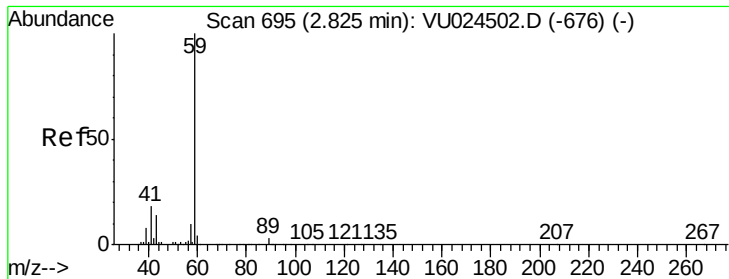


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



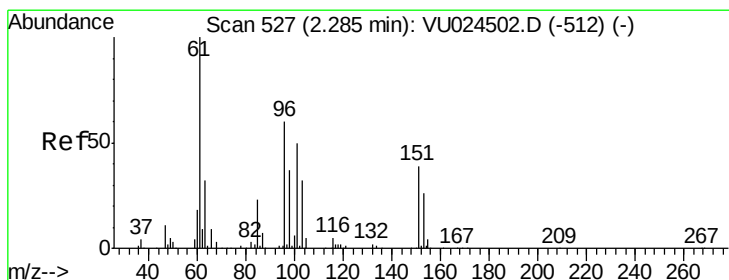
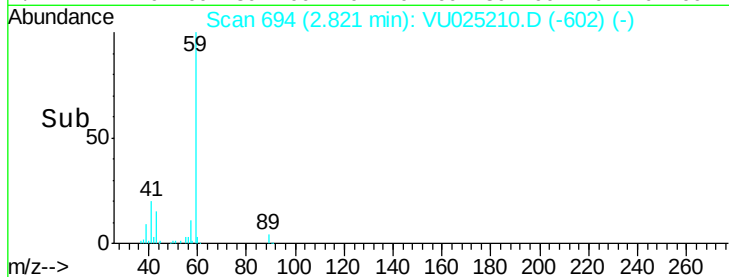
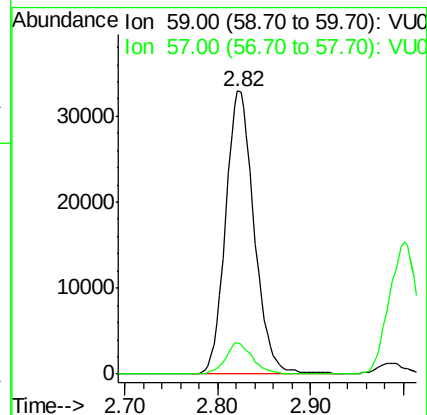
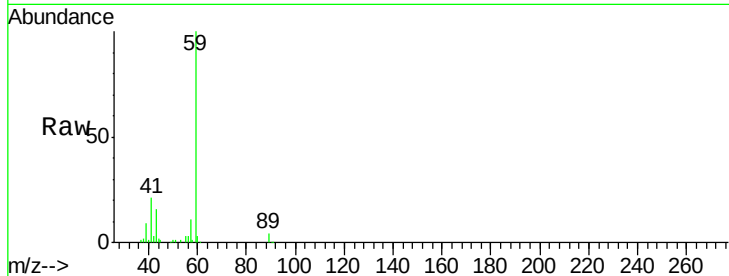


#11

Tert butyl alcohol
 Concen: 108.93 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

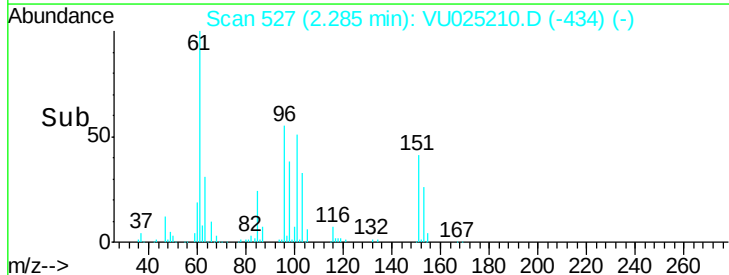
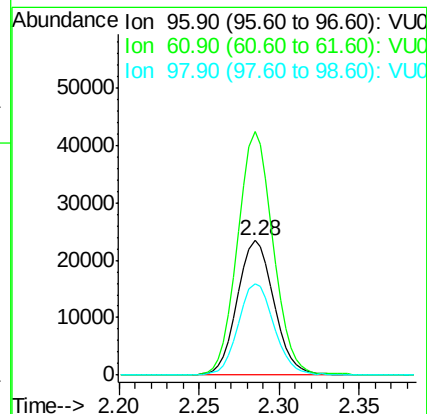
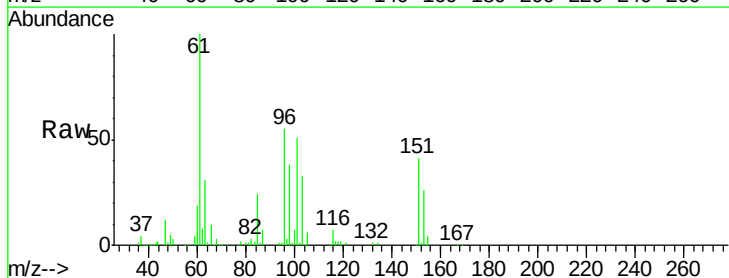
Tot Ion: 59 Resp: 70146
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

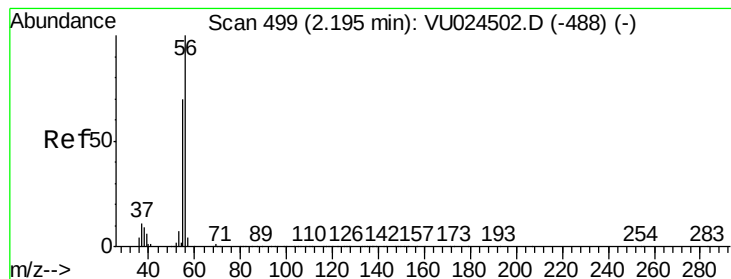


#12

1,1-Dichloroethene
 Concen: 19.86 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion: 96 Resp: 36674
 Ion Ratio Lower Upper
 96 100
 61 181.4 141.7 212.5
 98 68.5 51.6 77.4





#13

Acrolein

Concen: 42.29 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

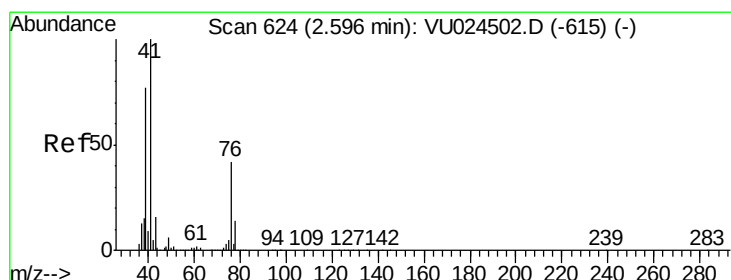
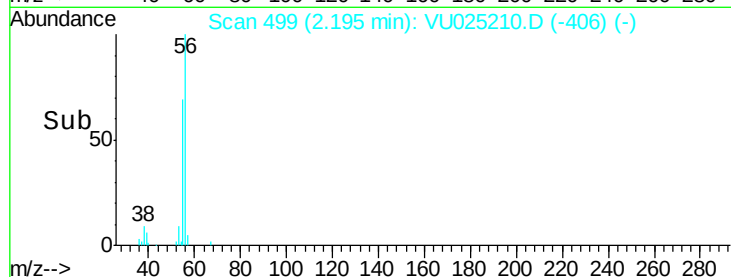
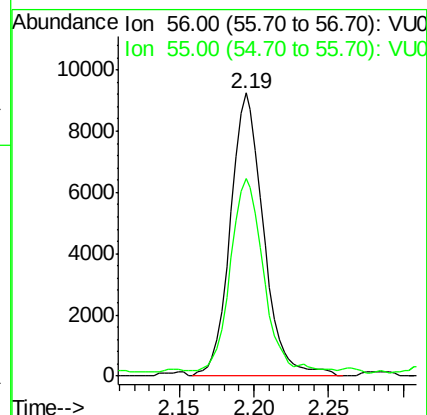
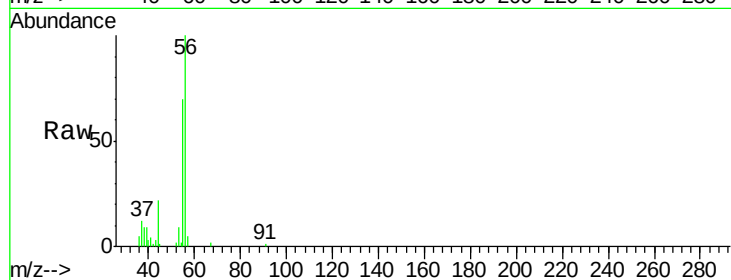
VU0705WBS01

Tot Ion: 56 Resp: 14301

Ion Ratio Lower Upper

56 100

55 66.4 58.4 87.6



#14

Allyl chloride

Concen: 19.33 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

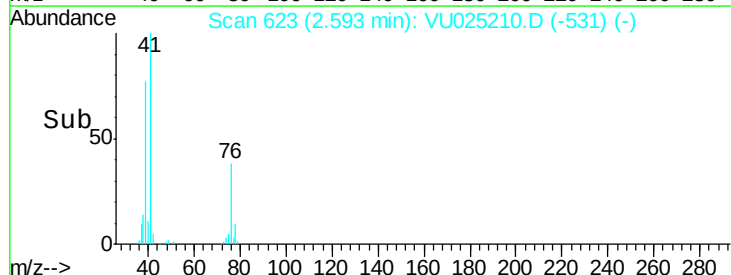
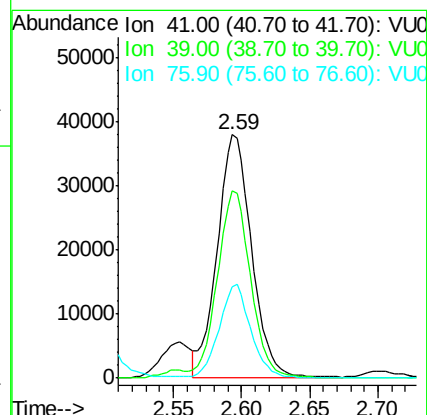
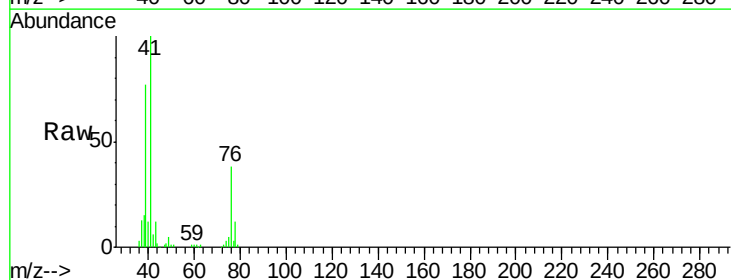
Tgt Ion: 41 Resp: 66272

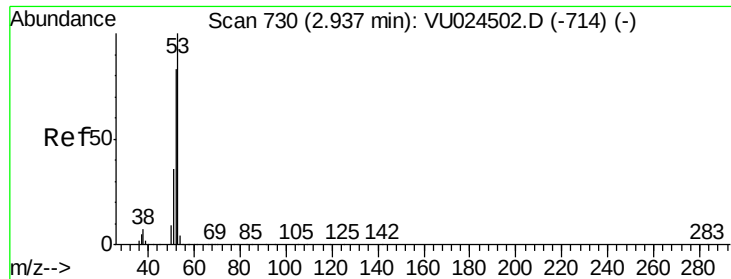
Ion Ratio Lower Upper

41 100

39 74.8 61.6 92.4

76 35.7 29.7 44.5





#15

Acrylonitrile

Concen: 111.38 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

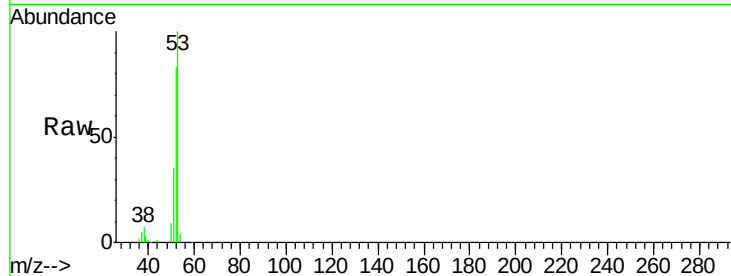
Tot Ion: 53 Resp: 139545

Ion Ratio Lower Upper

53 100

52 82.2 67.1 100.7

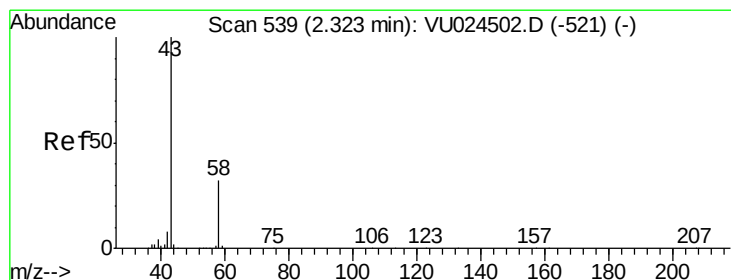
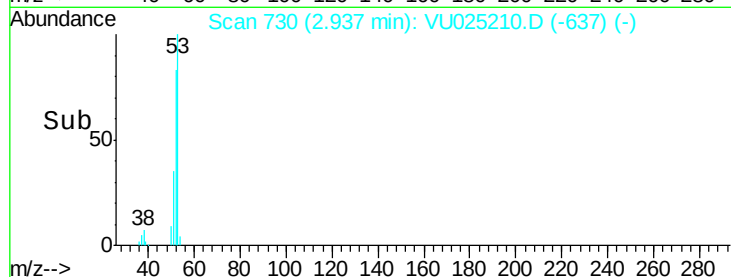
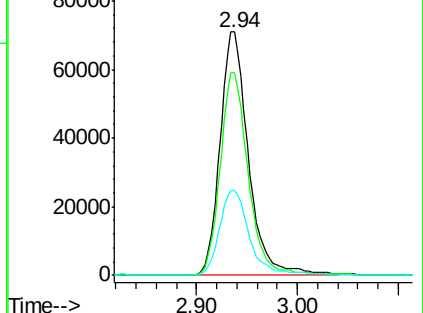
51 36.8 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 101.55 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025210.D

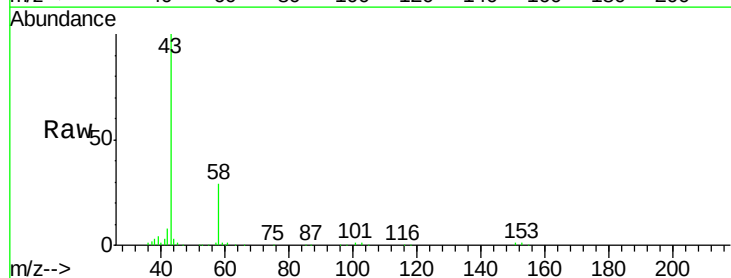
Acq: 05 Jul 2018 12:59

Tgt Ion: 43 Resp: 144476

Ion Ratio Lower Upper

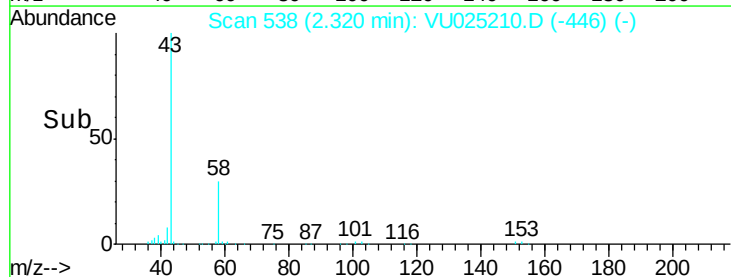
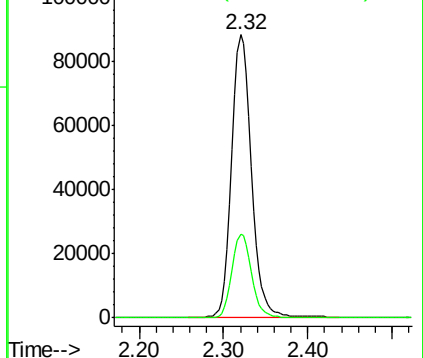
43 100

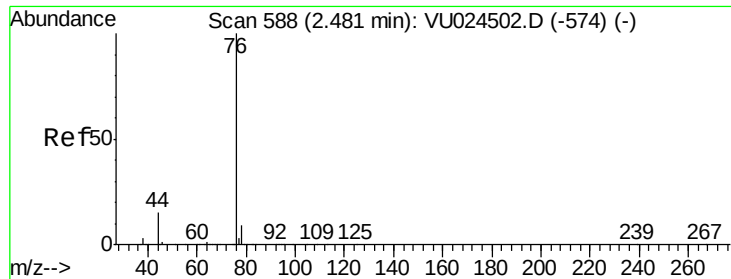
58 29.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 16.96 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

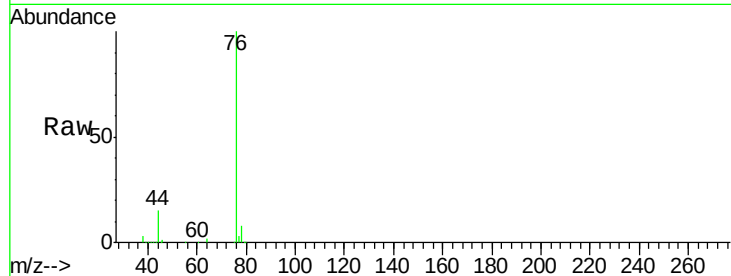
VU0705WBS01

Tot Ion: 76 Resp: 100273

Ion Ratio Lower Upper

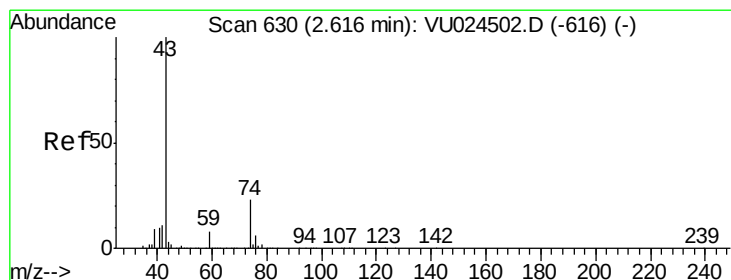
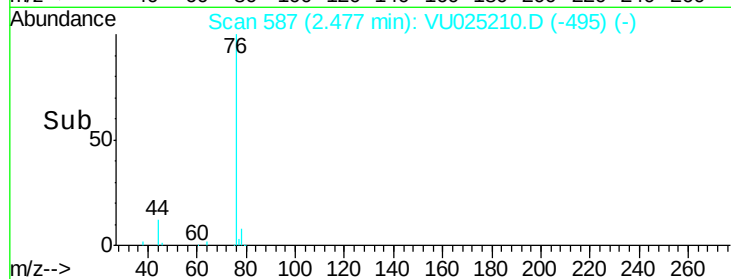
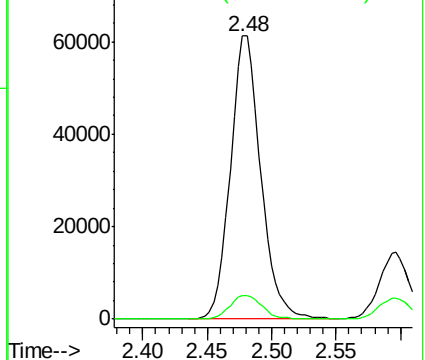
76 100

78 8.2 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: 27.94 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025210.D

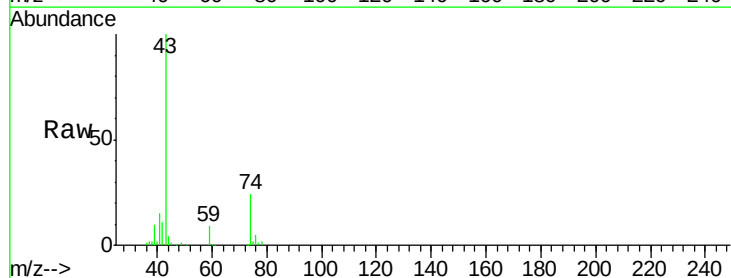
Acq: 05 Jul 2018 12:59

Tgt Ion: 43 Resp: 85225

Ion Ratio Lower Upper

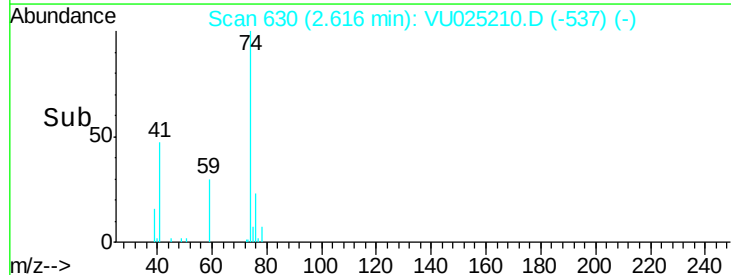
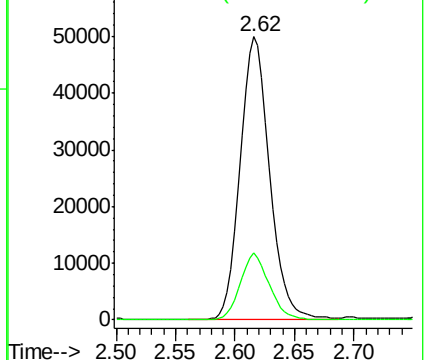
43 100

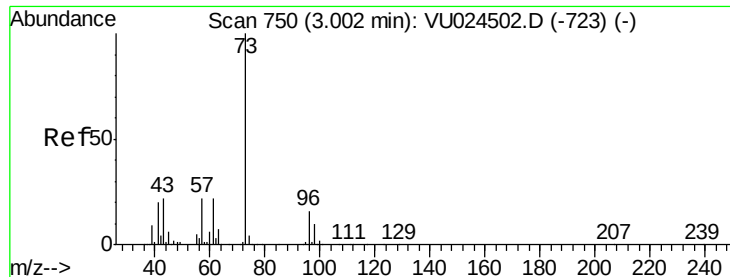
74 23.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



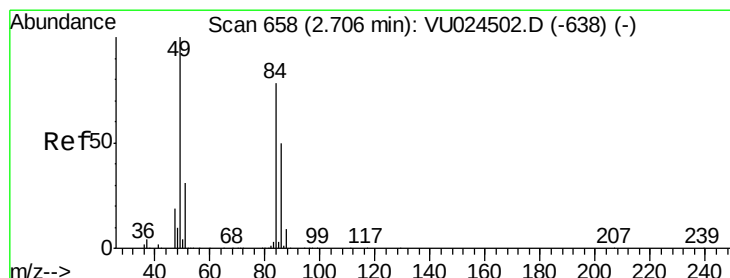
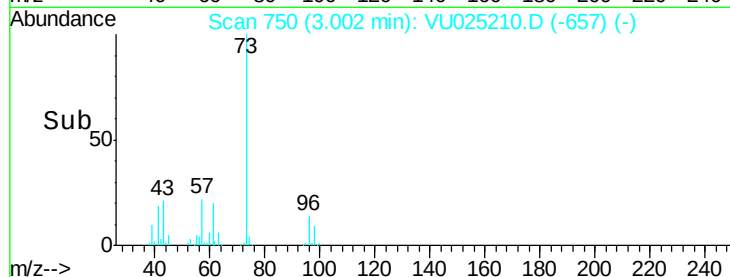
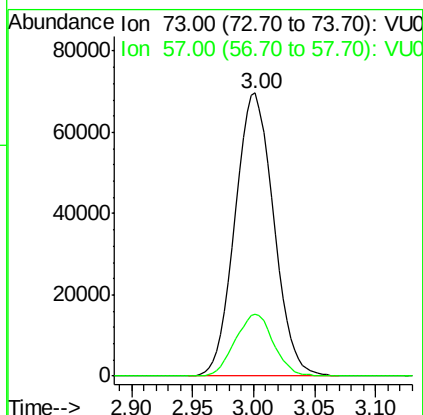
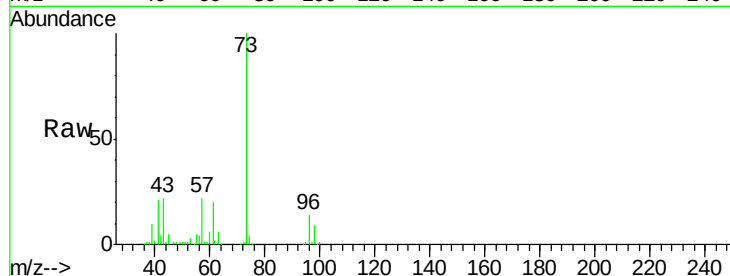


#19

Methyl tert-butyl Ether
 Concen: 22.06 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

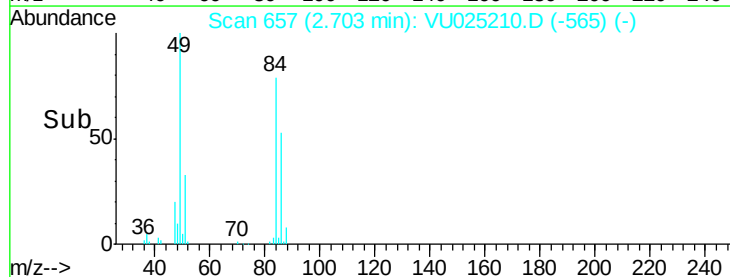
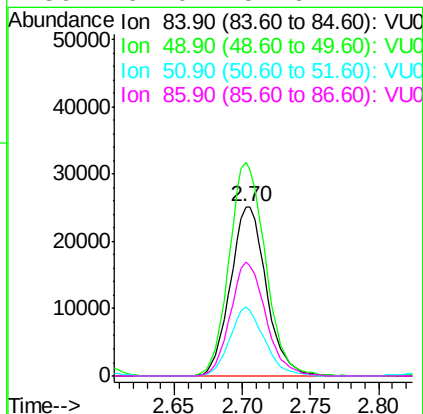
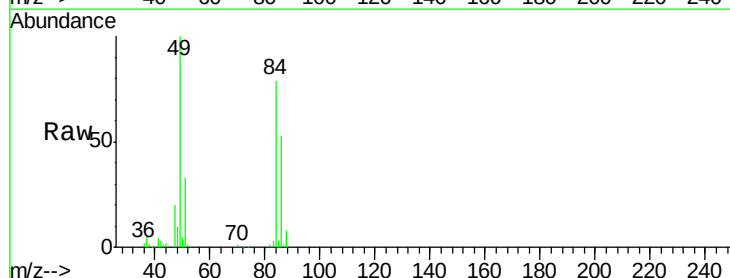
Tot Ion: 73 Resp: 153164
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.8 28.2

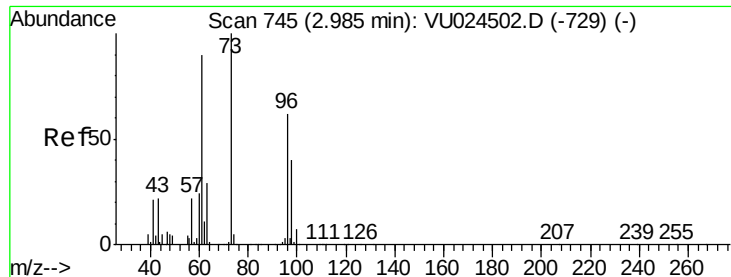


#20

Methylene Chloride
 Concen: 20.63 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion: 84 Resp: 46053
 Ion Ratio Lower Upper
 84 100
 49 126.1 103.8 155.8
 51 41.1 32.0 48.0
 86 67.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.54 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

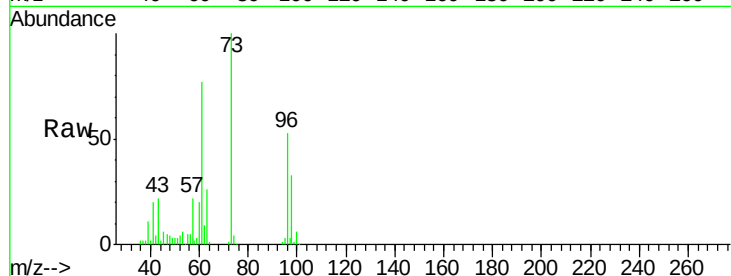
Tot Ion: 96 Resp: 41779

Ion Ratio Lower Upper

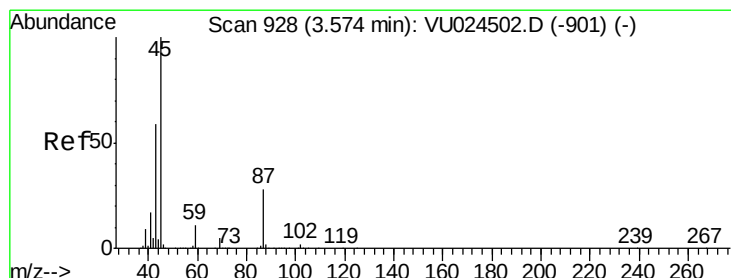
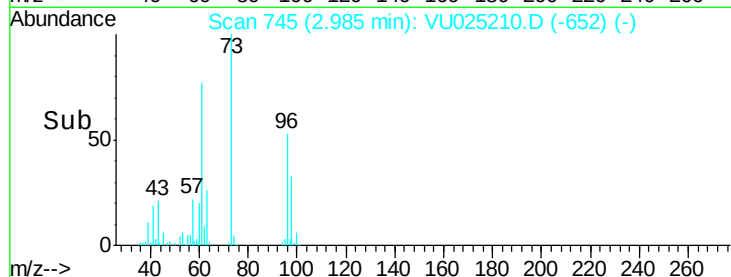
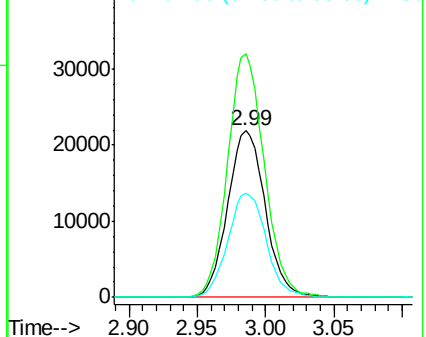
96 100

61 146.5 119.4 179.0

98 62.5 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: 21.87 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Tgt Ion: 45 Resp: 148655

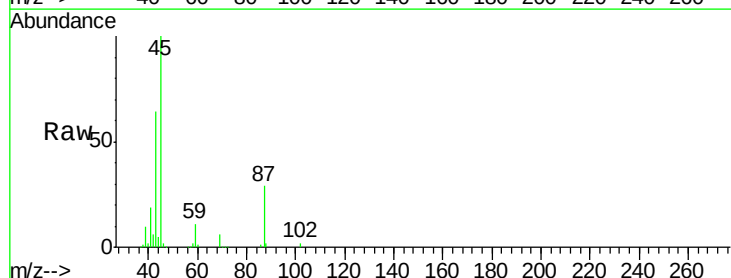
Ion Ratio Lower Upper

45 100

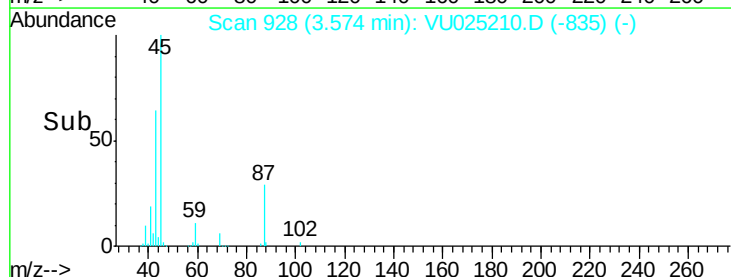
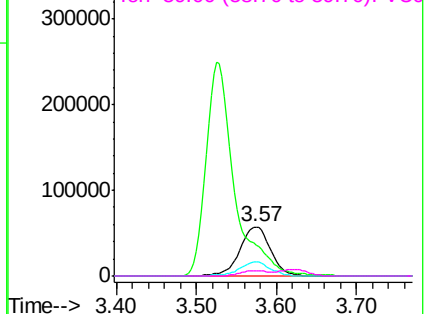
43 62.9 45.8 68.6

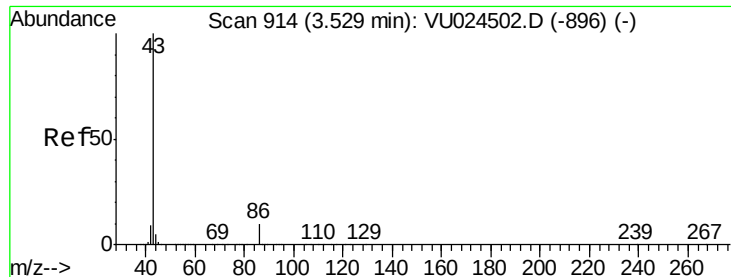
87 29.2 20.6 31.0

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: 100.91 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

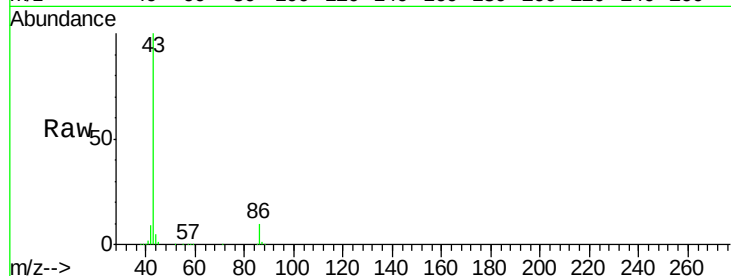
VU0705WBS01

Tot Ion: 43 Resp: 614445

Ion Ratio Lower Upper

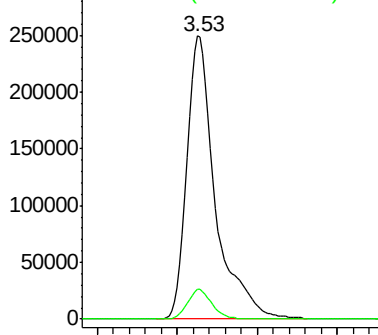
43 100

86 10.4 7.8 11.8

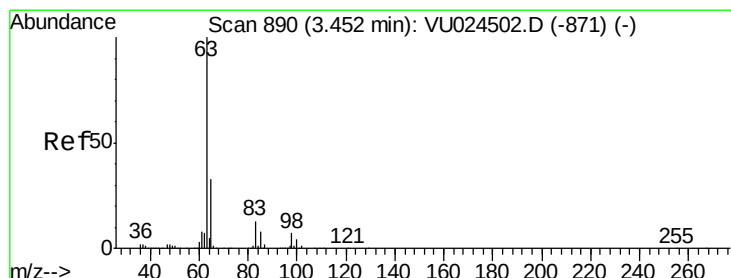
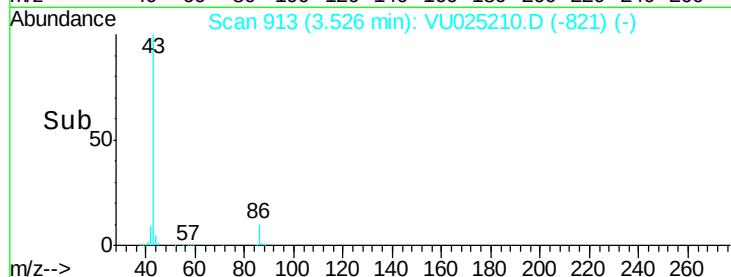


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time--> 3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 21.41 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

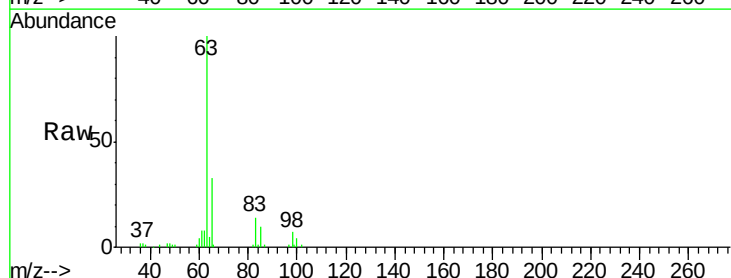
Tgt Ion: 63 Resp: 83713

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

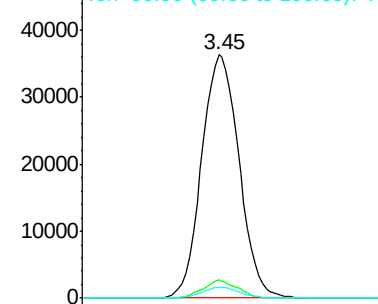
100 4.4 1.8 5.5



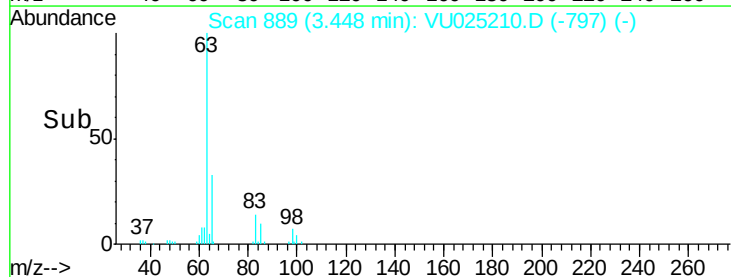
Abundance Ion 62.90 (62.60 to 63.60): VU0

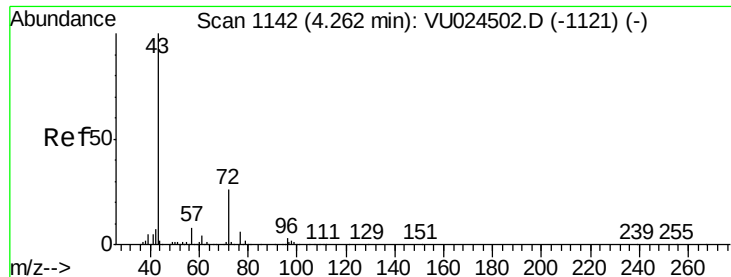
Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time--> 3.35 3.40 3.45 3.50 3.55

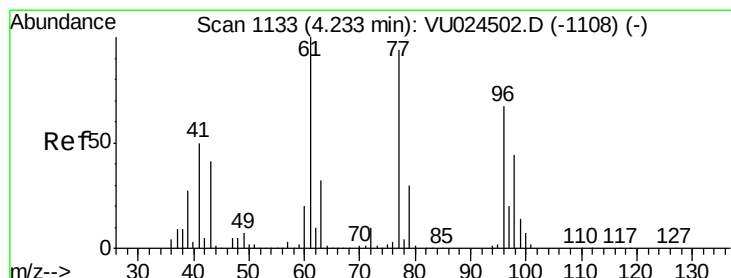
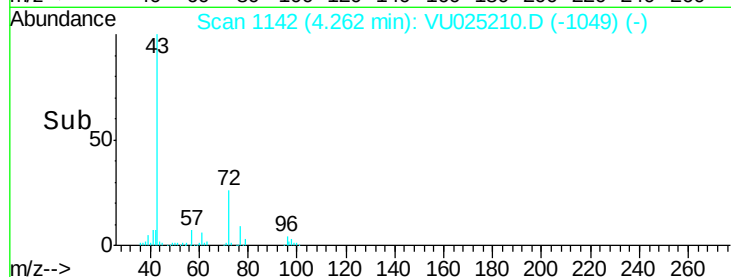
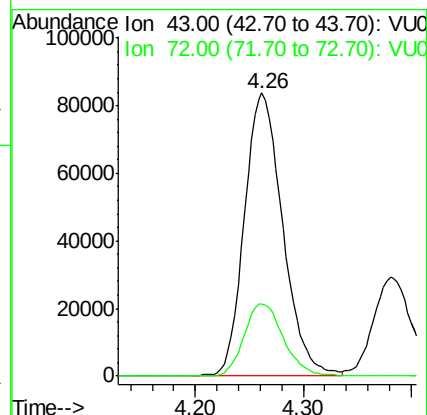
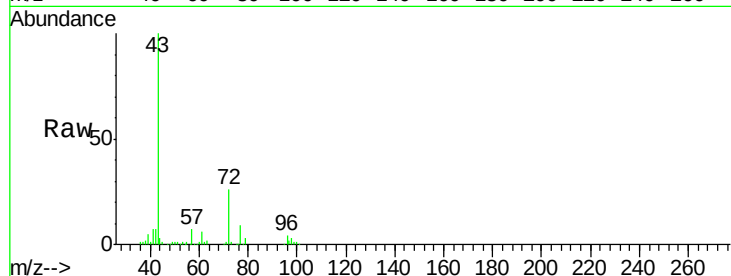




#25
2-Butanone
Concen: 107.62 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

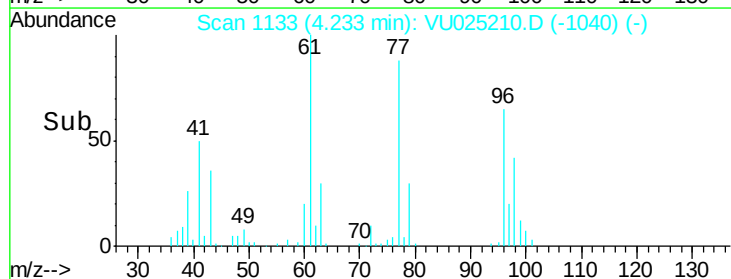
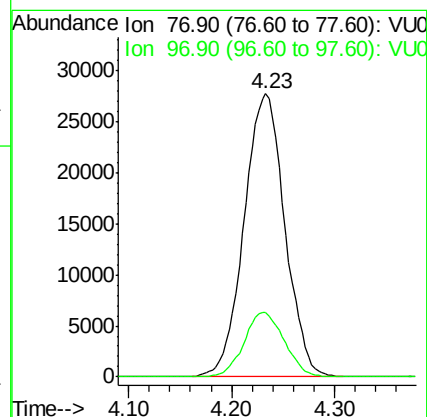
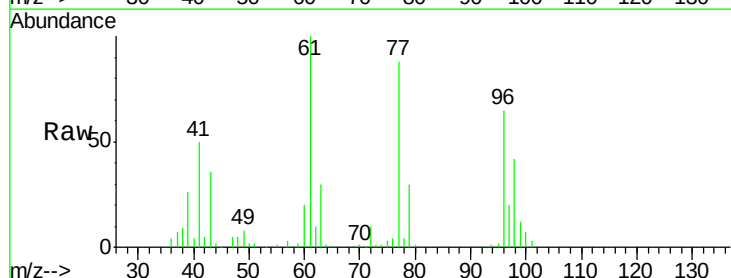
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

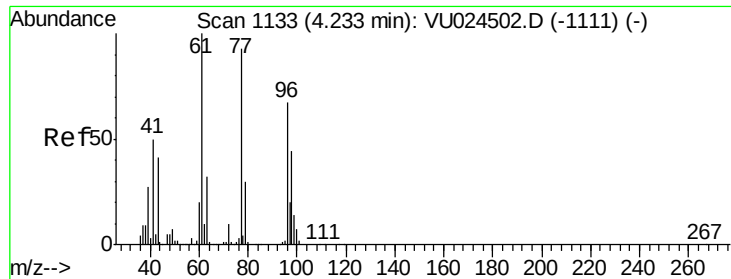
Tot Ion: 43 Resp: 205665
Ion Ratio Lower Upper
43 100
72 25.8 19.6 29.4



#26
2,2-Dichloropropane
Concen: 20.48 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion: 77 Resp: 76062
Ion Ratio Lower Upper
77 100
97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.59 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

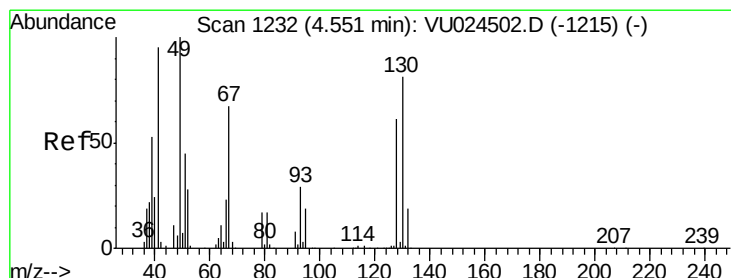
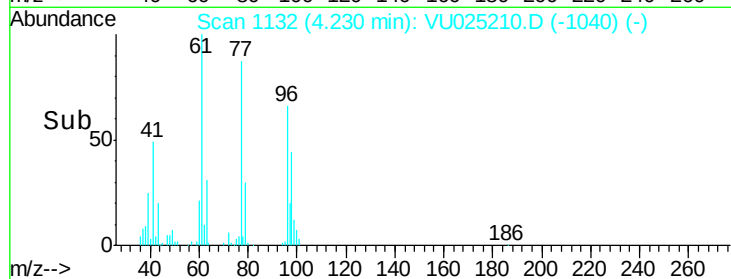
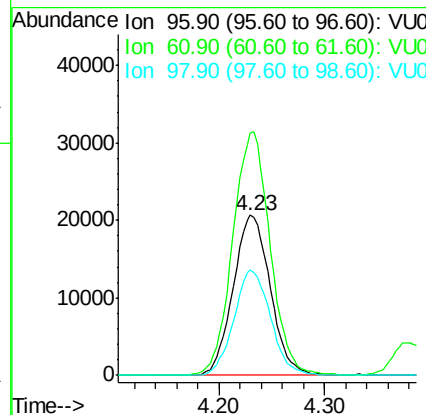
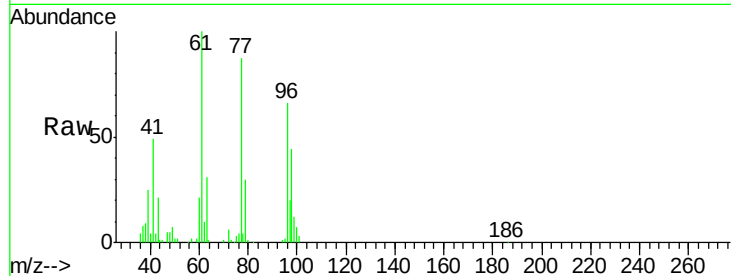
Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

Tot Ion: 96 Resp: 50477

Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	306.6
98	64.7	0.0	128.8



#28

Bromochloromethane

Concen: 21.41 ug/l

RT: 4.55 min Scan# 1233

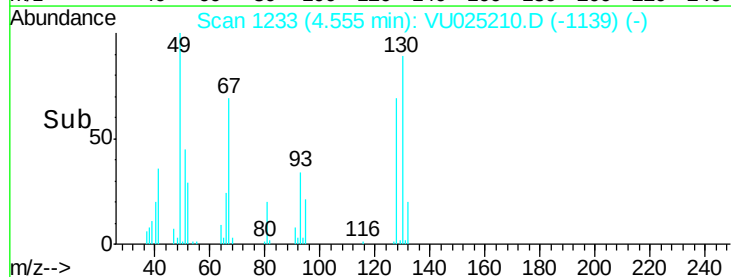
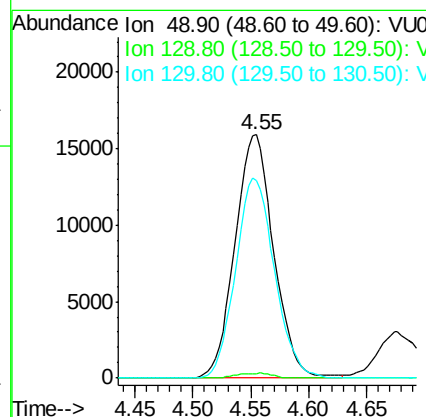
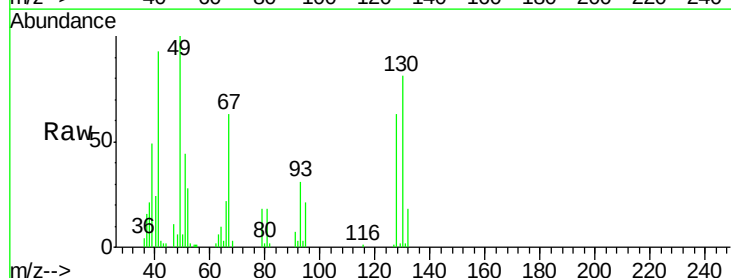
Delta R.T. 0.00 min

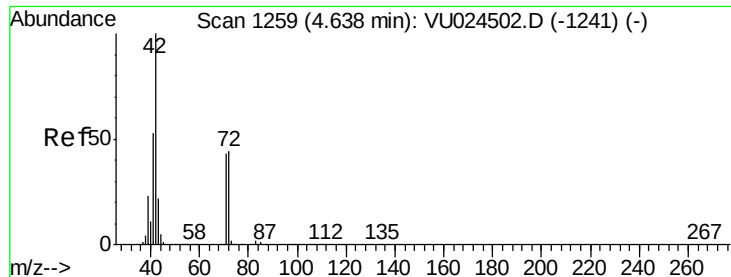
Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Tgt Ion: 49 Resp: 36882

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.6	57.8	86.6





#29

Tetrahydrofuran

Concen: 108.21 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

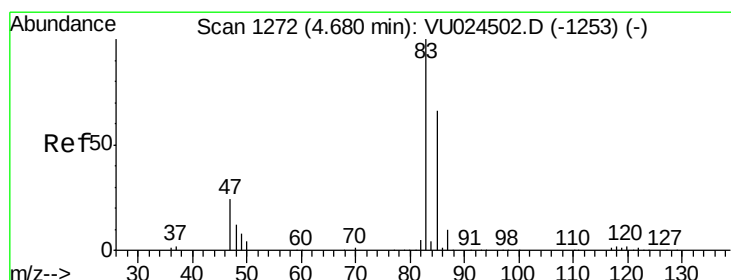
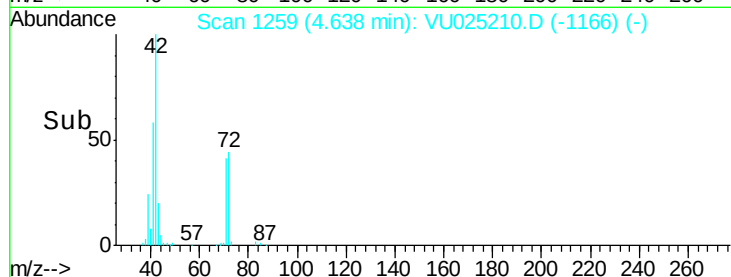
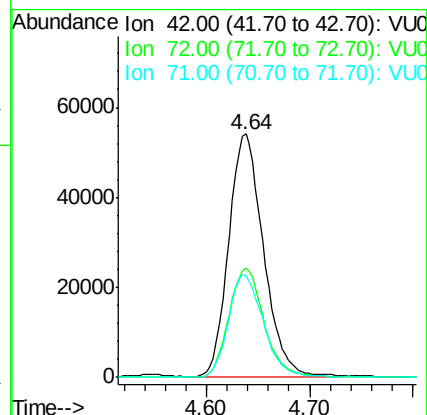
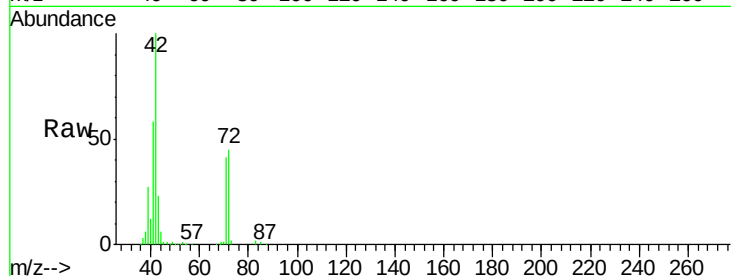
Tot Ion: 42 Resp: 128057

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

71 41.8 32.2 48.4



#30

Chloroform

Concen: 22.64 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025210.D

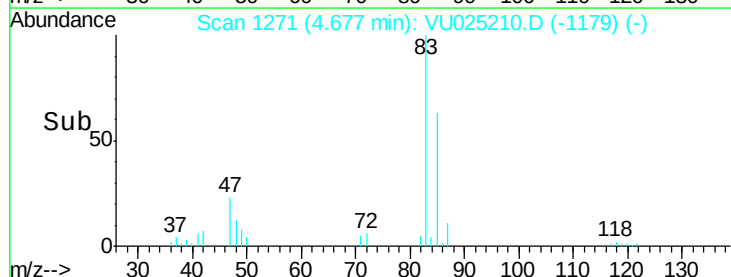
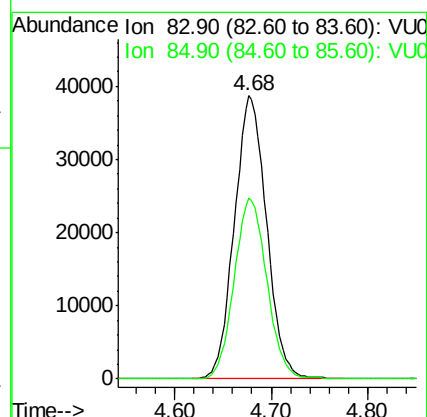
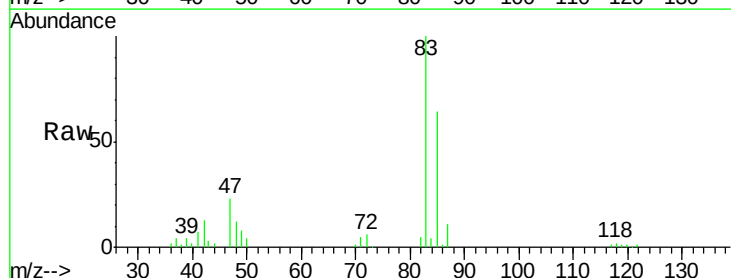
Acq: 05 Jul 2018 12:59

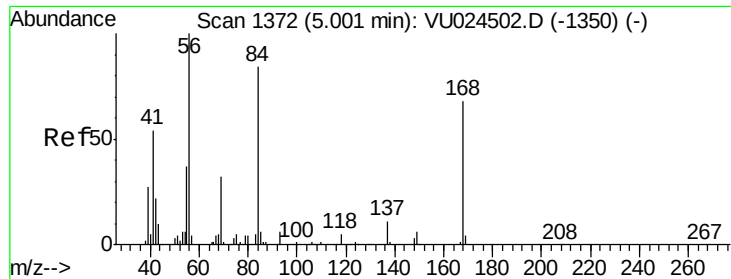
Tgt Ion: 83 Resp: 89595

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

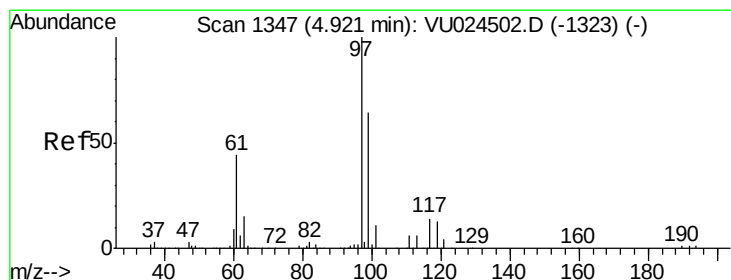
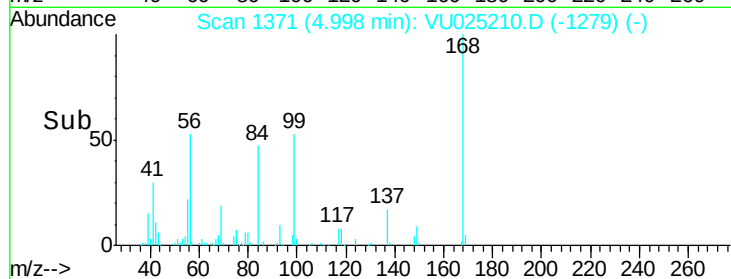
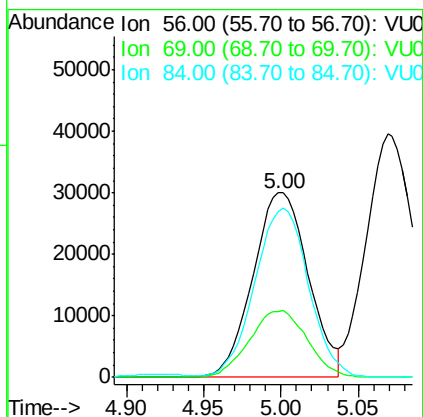
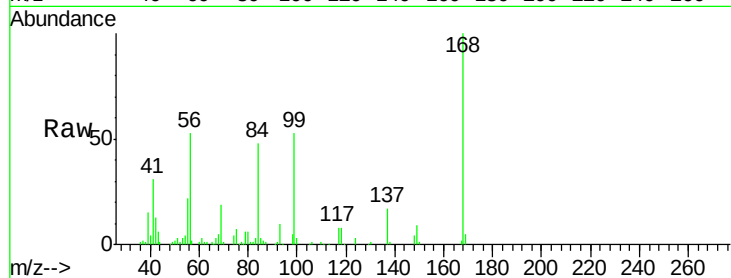




#31
Cyclohexane
Concen: 20.43 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

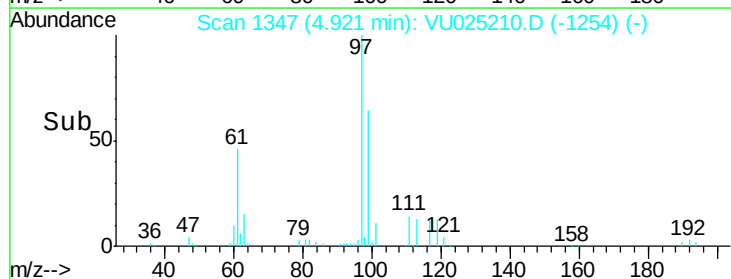
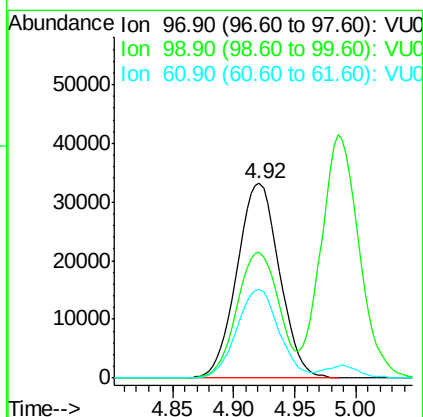
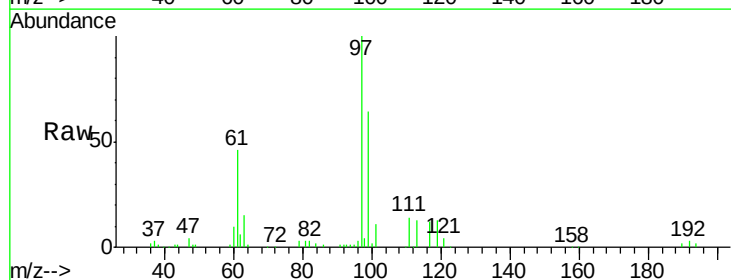
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

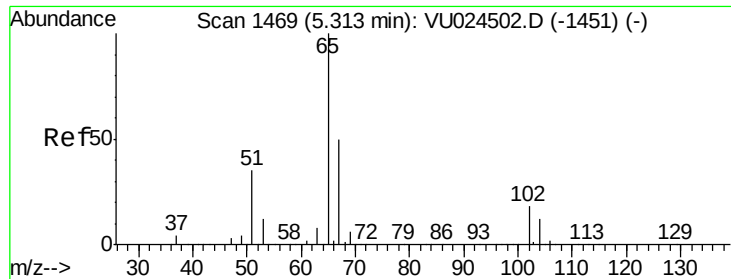
Tot Ion: 56 Resp: 74998
Ion Ratio Lower Upper
56 100
69 35.9 24.8 37.2
84 88.8 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.92 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion: 97 Resp: 80212
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 45.0 39.4 59.0

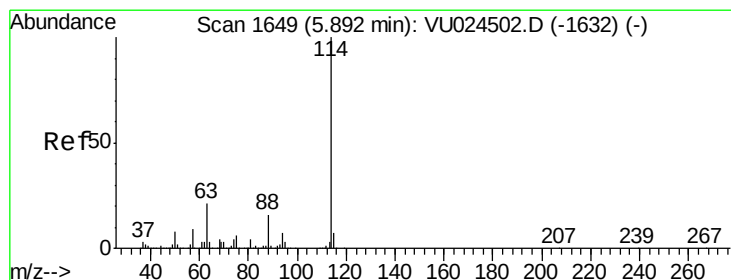
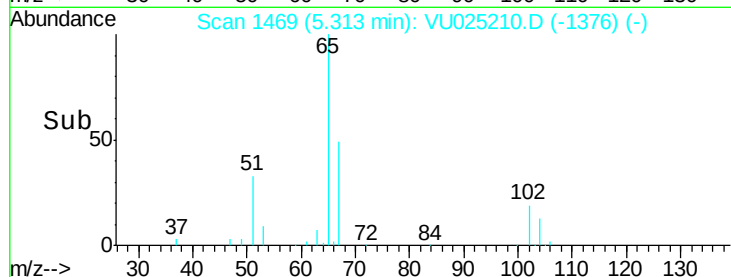
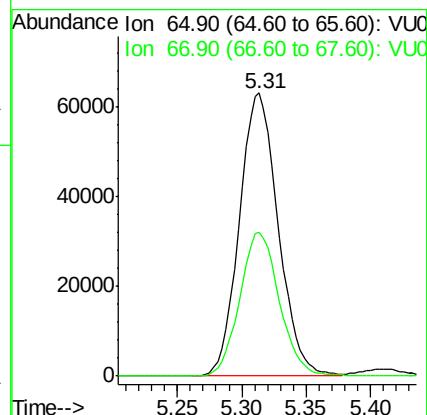
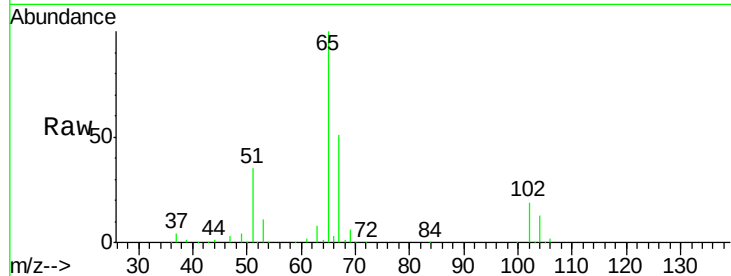




#33
 1,2-Dichloroethane-d4
 Concen: 49.96 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

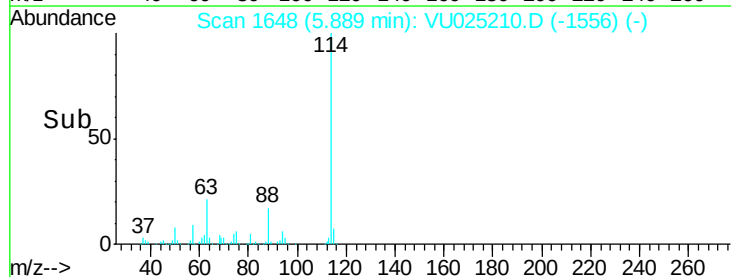
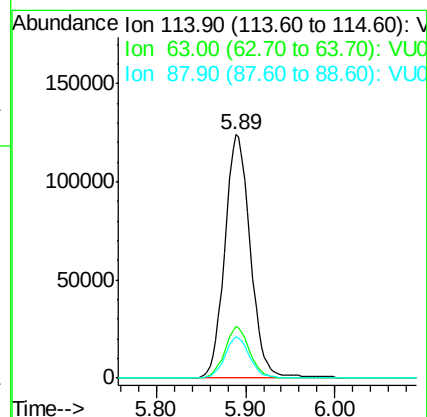
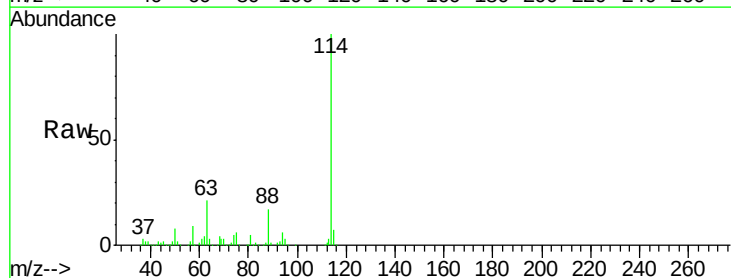
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

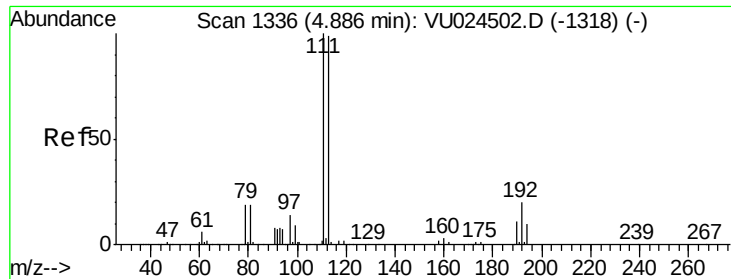
Tot Ion: 65 Resp: 132280
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion: 114 Resp: 246261
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.8 0.0 31.0

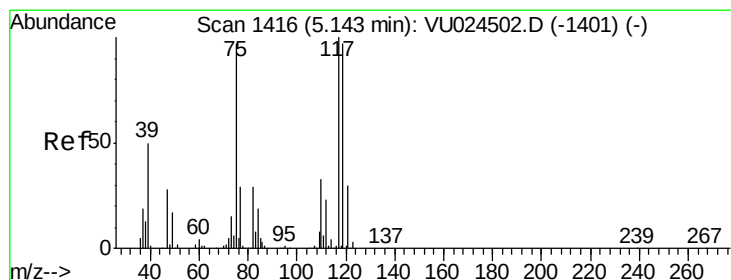
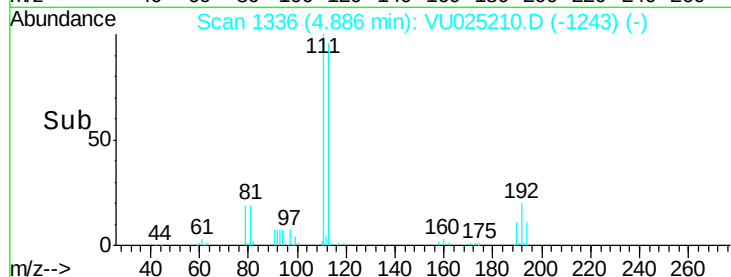
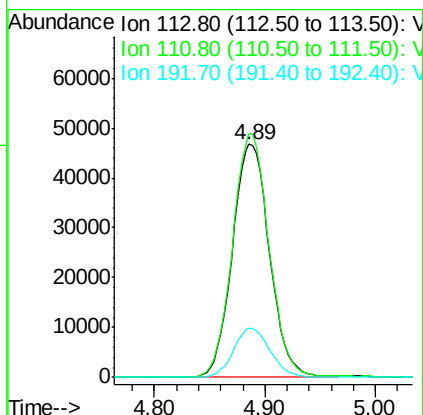
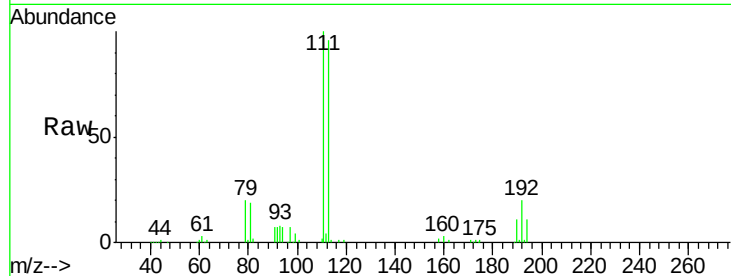




#35
 Dibromofluoromethane
 Concen: 53.30 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

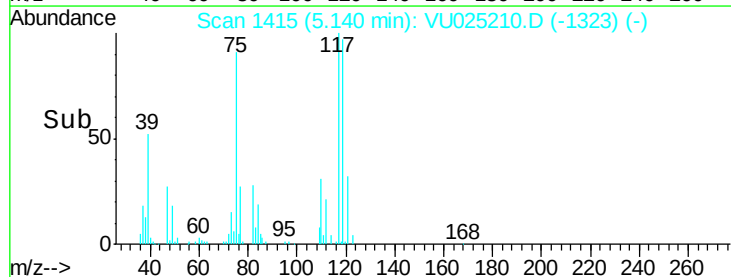
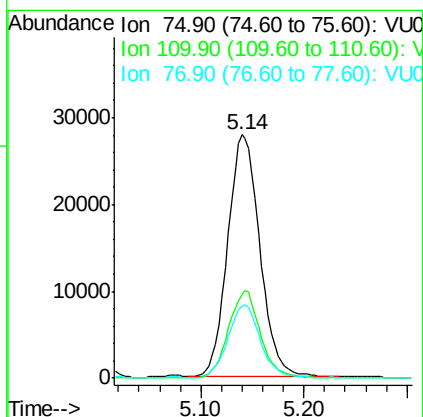
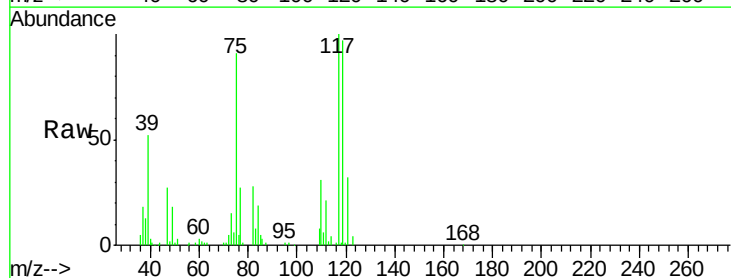
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

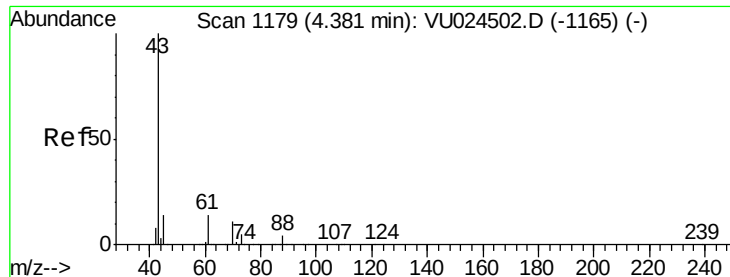
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.7	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 20.97 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	50.9
77	30.5	24.2	36.4

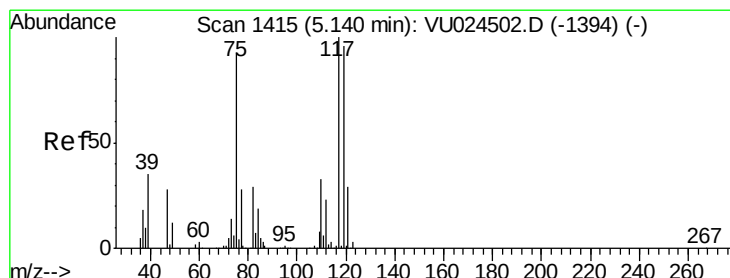
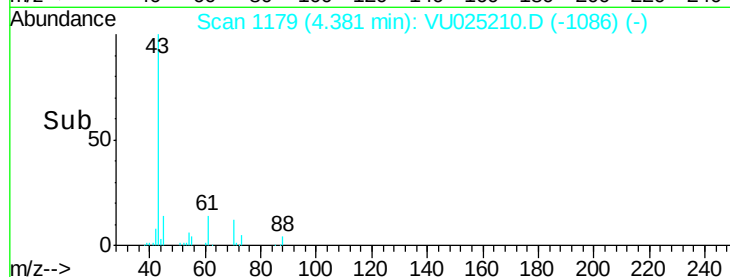
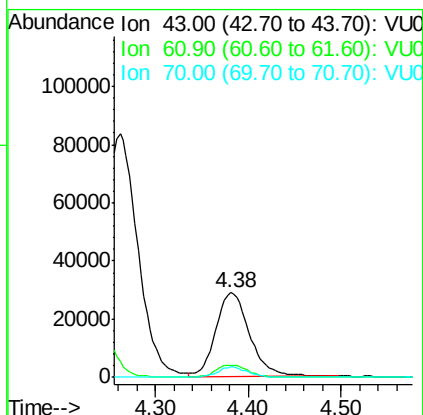
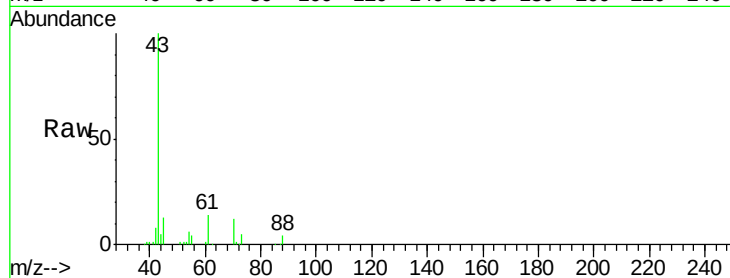




#37
Ethyl Acetate
Concen: 23.22 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

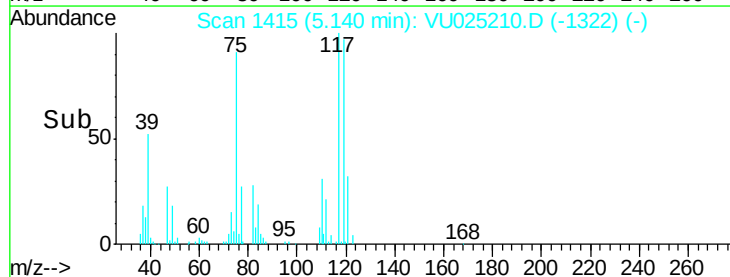
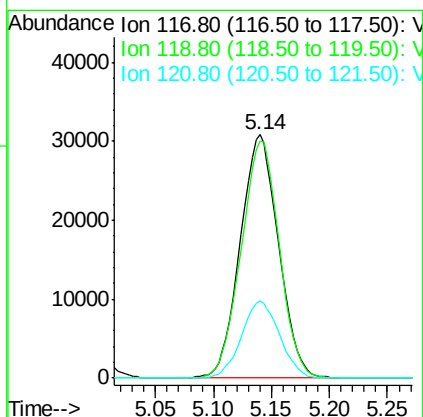
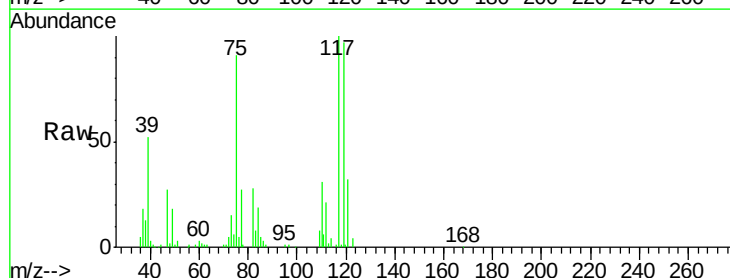
Instrument :
MSVOA_U
ClientSampled :
VU0705WBS01

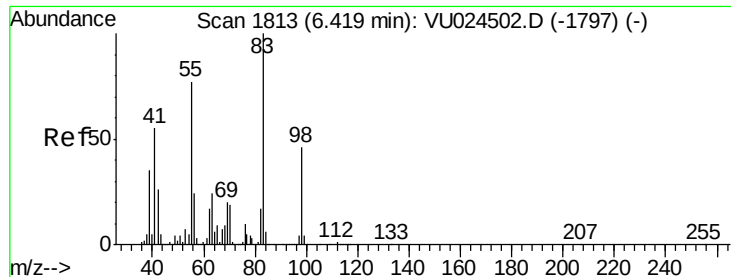
Tot Ion	43	Resp	73225
Ion Ratio	Lower	Upper	
43	100		
61	14.3	10.5	15.7
70	10.9	7.4	11.2



#38
Carbon Tetrachloride
Concen: 22.23 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion	117	Resp	70726
Ion Ratio	Lower	Upper	
117	100		
119	97.2	76.1	114.1
121	31.6	23.7	35.5

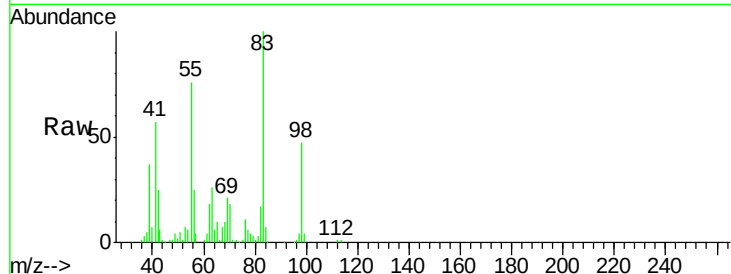




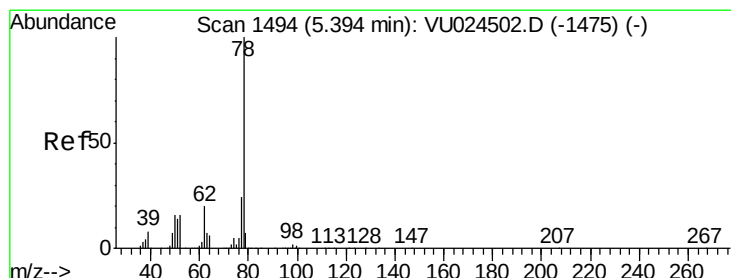
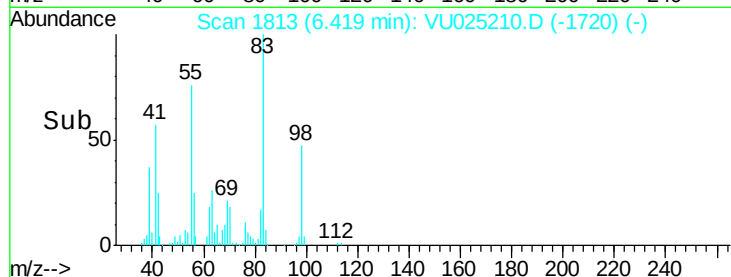
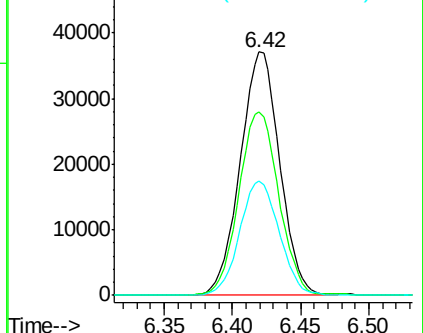
#39
Methylvlcyclohexane
Concen: 20.67 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

Tot Ion: 83 Resp: 74657
Ion Ratio Lower Upper
83 100
55 75.6 65.8 98.6
98 47.1 36.7 55.1

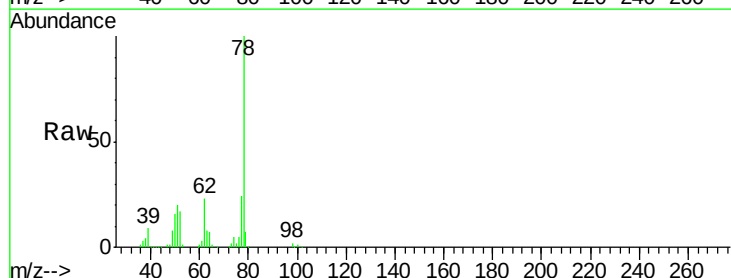


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

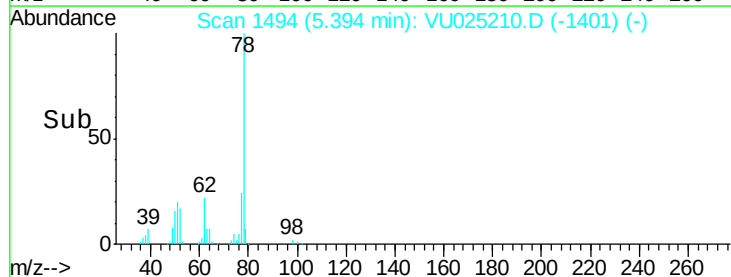
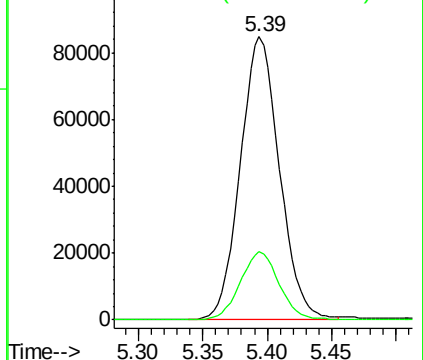


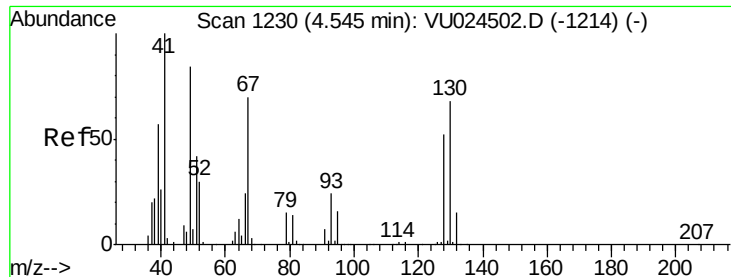
#40
Benzene
Concen: 21.75 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion: 78 Resp: 179375
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

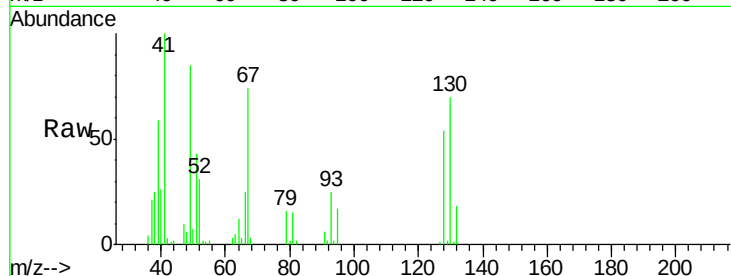




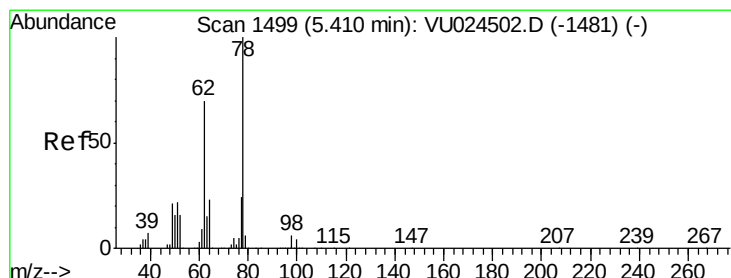
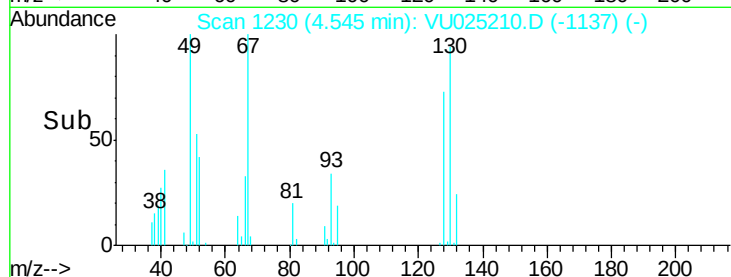
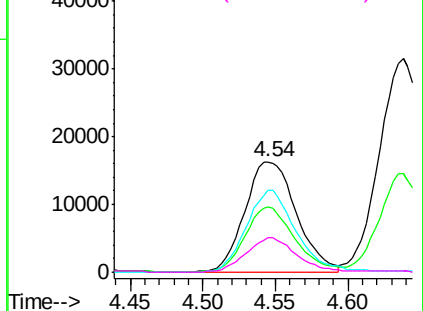
#41
Methacrylonitrile
Concen: 23.77 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

Tot Ion:	41	Resp:	40429
Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.8	65.6
67	71.9	56.3	84.5
52	30.6	23.2	34.8

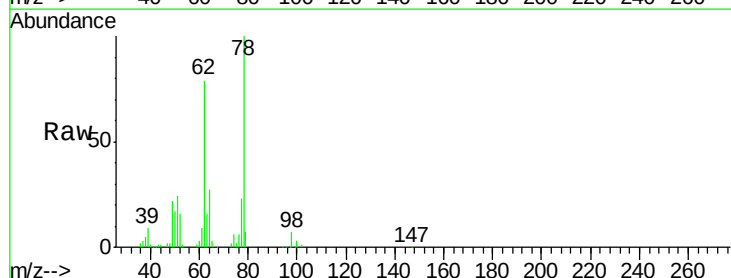


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

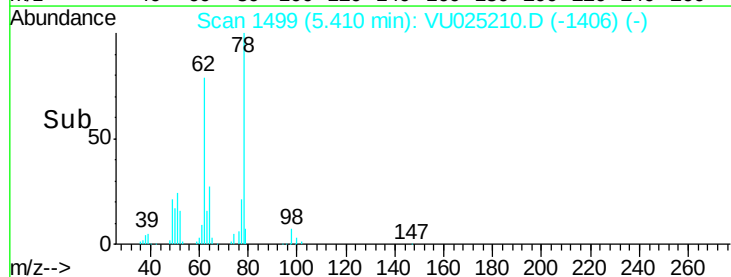
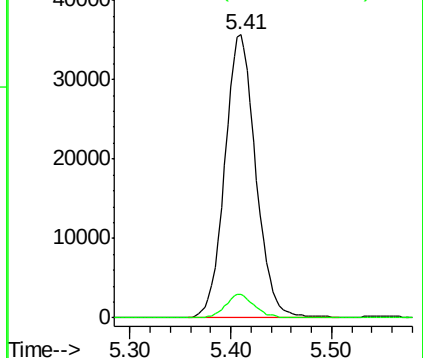


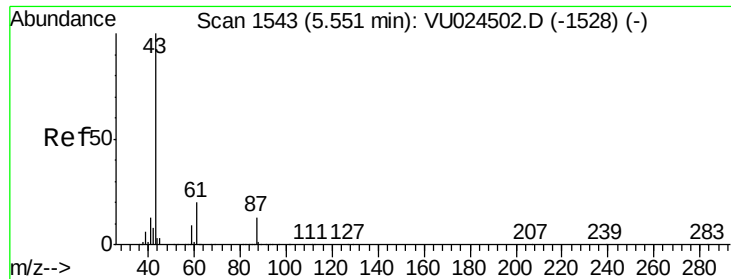
#42
1,2-Dichloroethane
Concen: 24.29 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion:	62	Resp:	76285
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

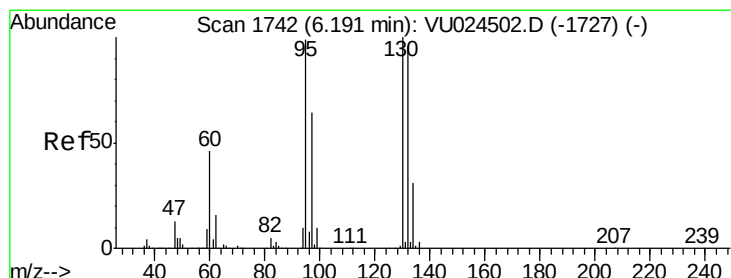
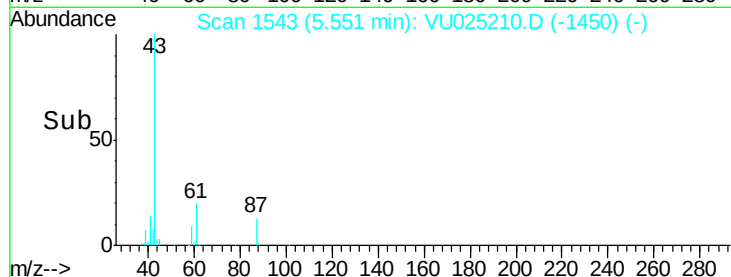
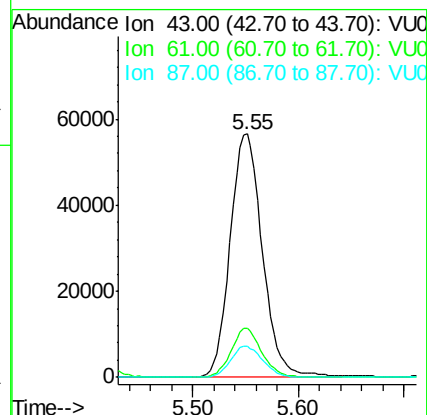
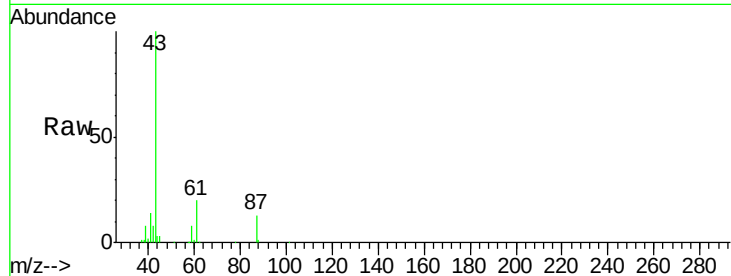




#43
Isopropyl Acetate
Concen: 21.79 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

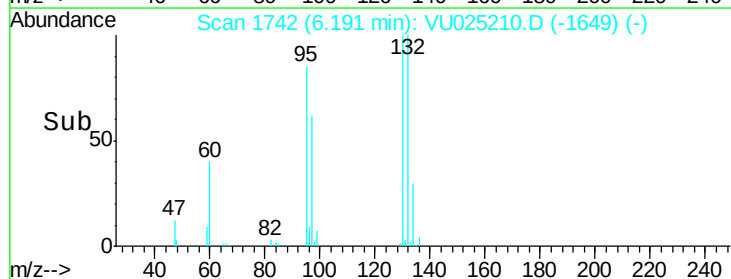
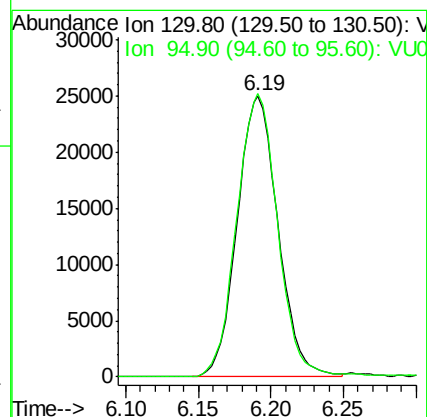
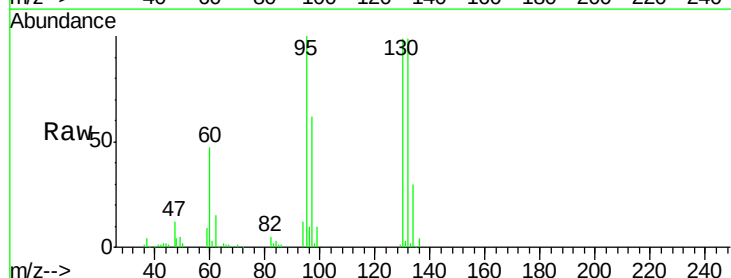
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

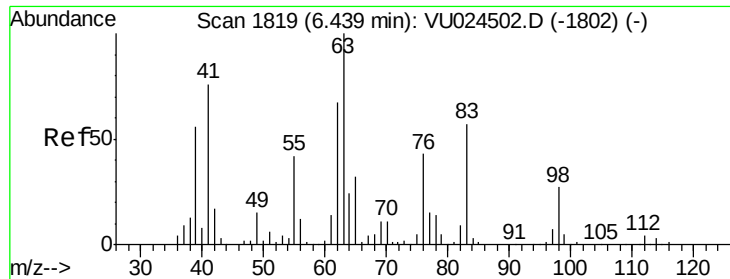
Tot Ion: 43 Resp: 118797
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 12.8 10.0 15.0



#44
Trichloroethene
Concen: 20.78 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion: 130 Resp: 48762
Ion Ratio Lower Upper
130 100
95 100.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.36 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

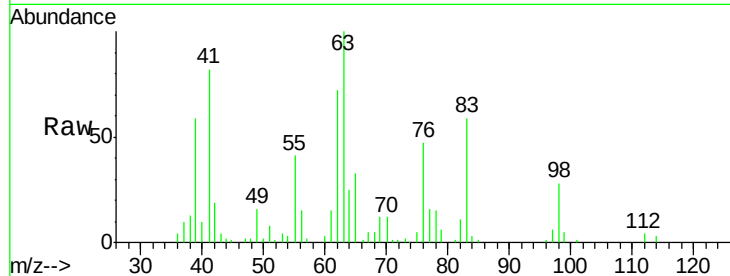
VU0705WBS01

Tot Ion: 63 Resp: 46993

Ion Ratio Lower Upper

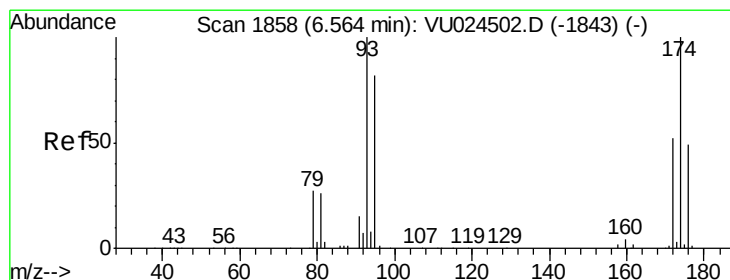
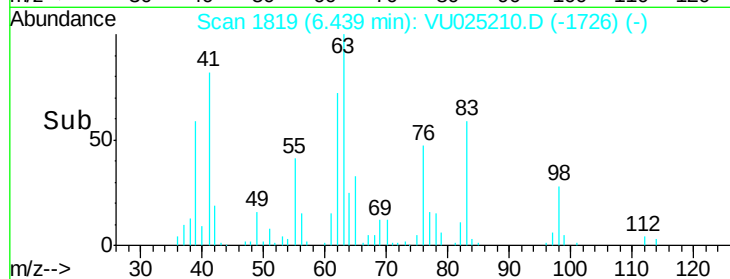
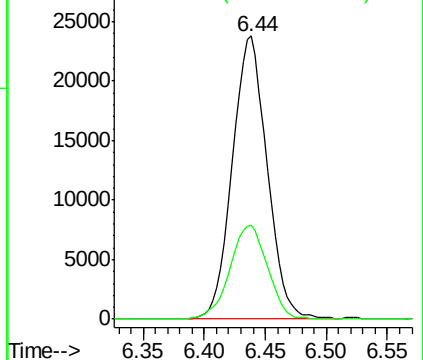
63 100

65 33.0 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: 22.59 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

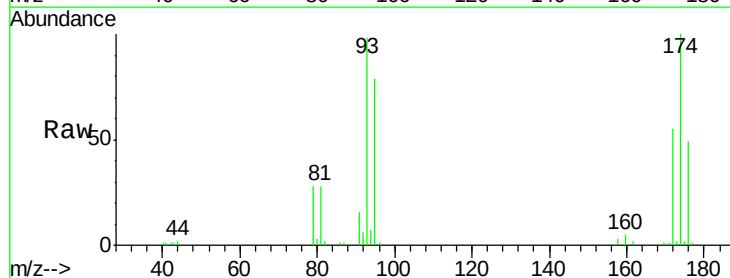
Tgt Ion: 93 Resp: 34907

Ion Ratio Lower Upper

93 100

95 84.1 65.5 98.3

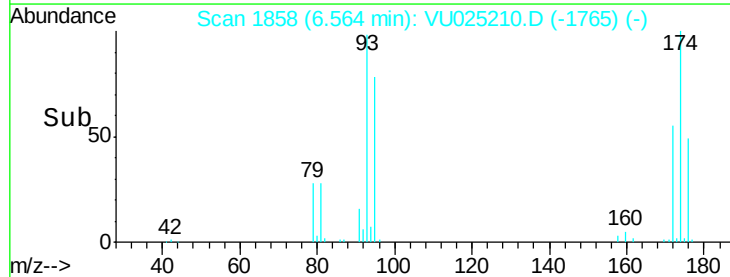
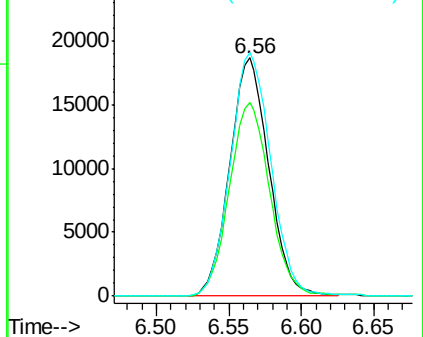
174 106.3 78.7 118.1

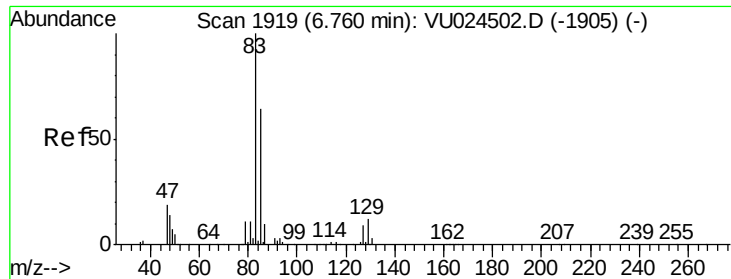


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.67 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

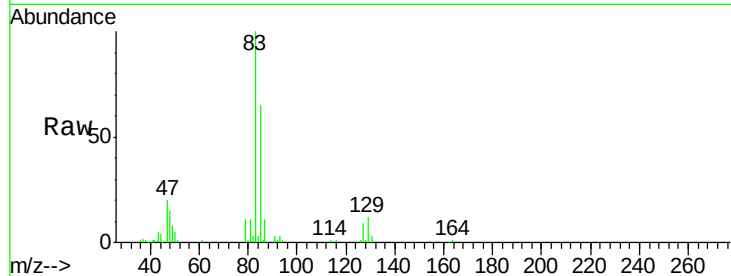
Tot Ion: 83 Resp: 66679

Ion Ratio Lower Upper

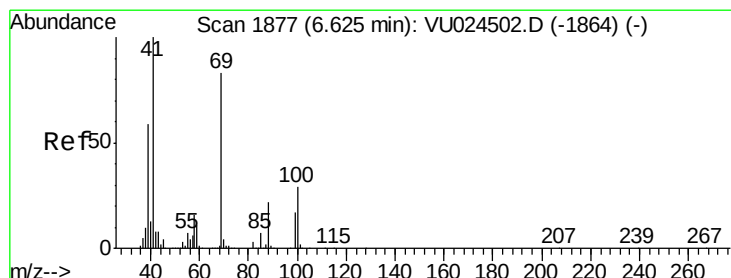
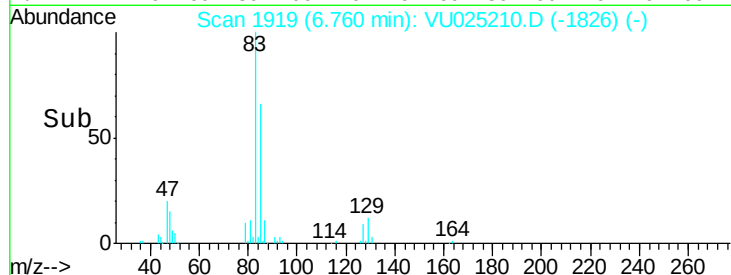
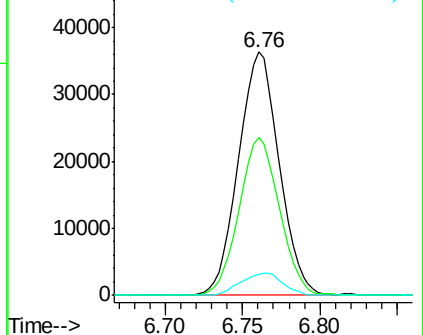
83 100

85 64.7 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: 22.66 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

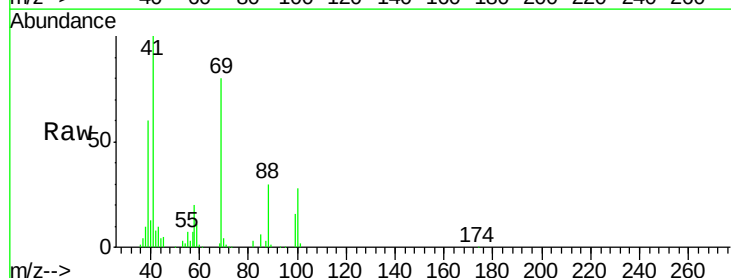
Tgt Ion: 41 Resp: 60151

Ion Ratio Lower Upper

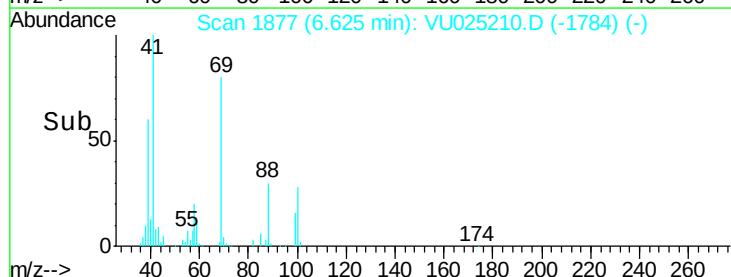
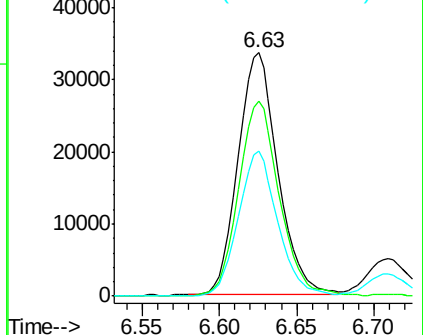
41 100

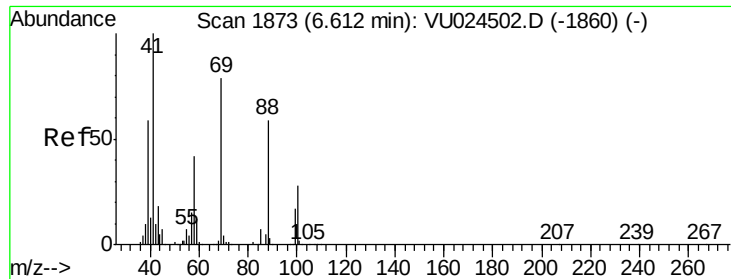
69 82.3 67.3 100.9

39 58.9 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: 540.31 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

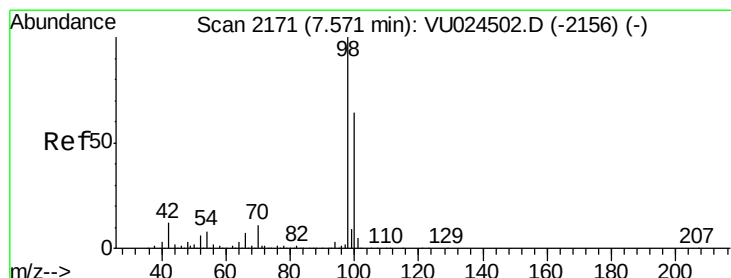
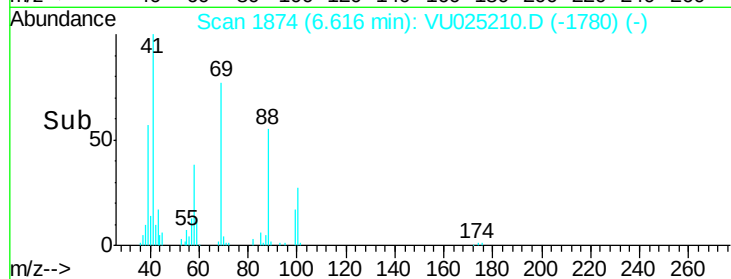
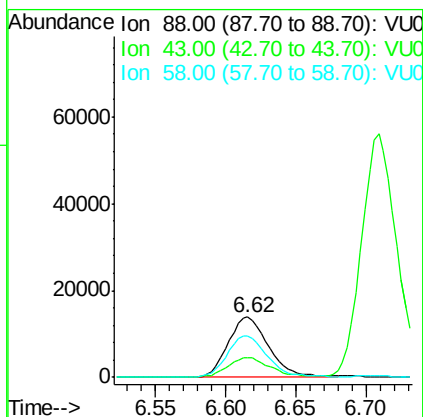
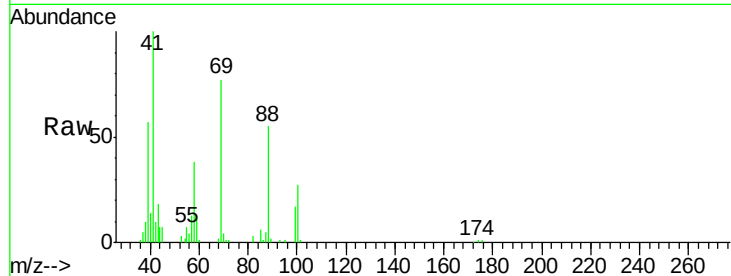
Tot Ion: 88 Resp: 28051

Ion Ratio Lower Upper

88 100

43 33.2 28.6 42.8

58 69.3 58.2 87.4



#50

Toluene-d8

Concen: 45.99 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025210.D

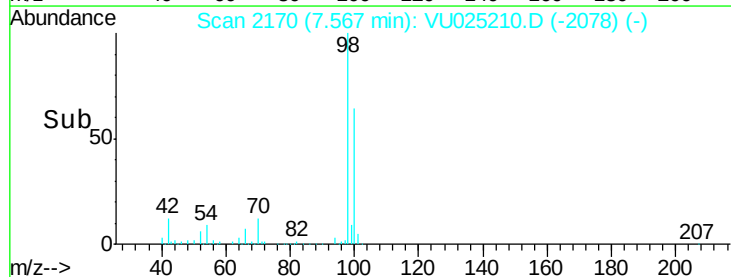
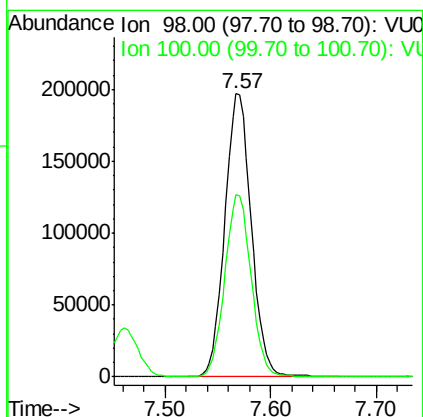
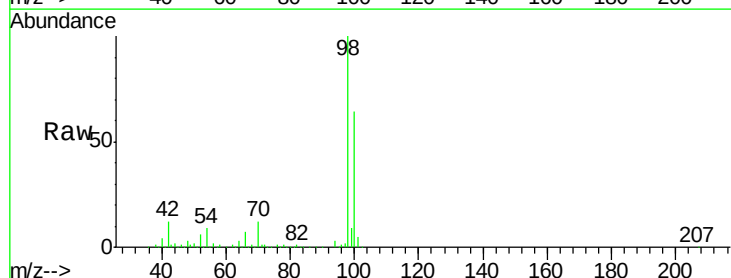
Acq: 05 Jul 2018 12:59

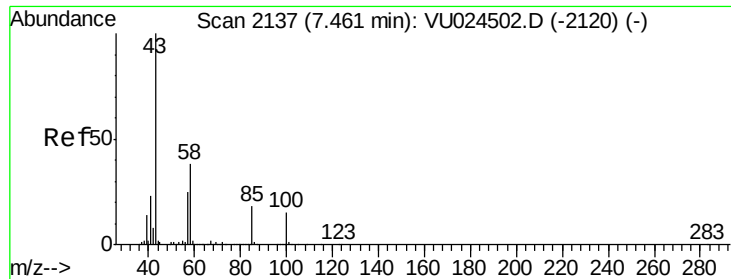
Tgt Ion: 98 Resp: 342884

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 113.74 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

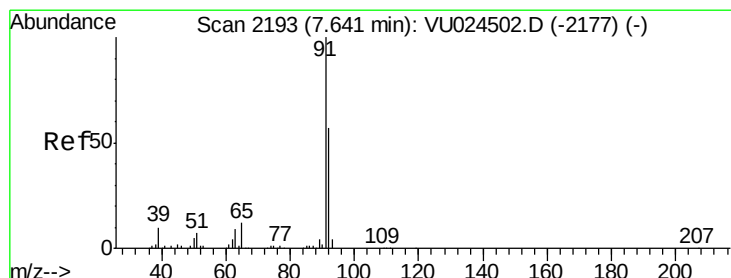
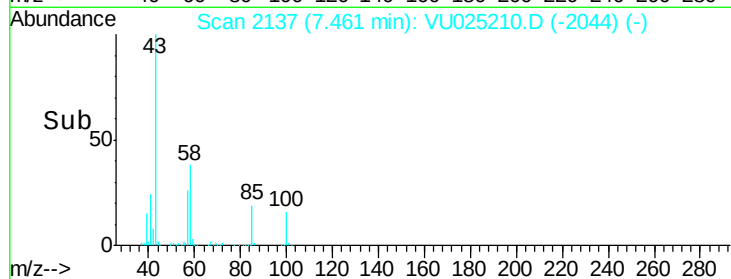
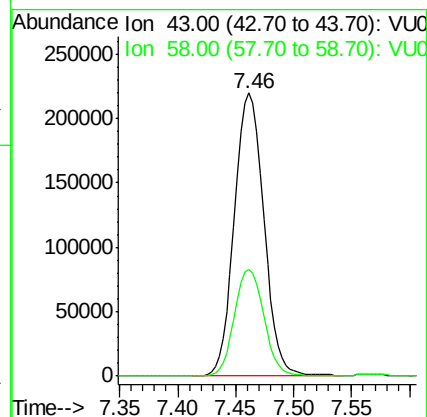
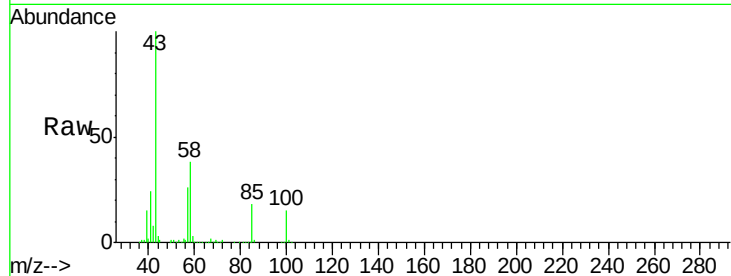
VU0705WBS01

Tot Ion: 43 Resp: 389569

Ion Ratio Lower Upper

43 100

58 37.6 30.0 45.0



#52

Toluene

Concen: 22.00 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025210.D

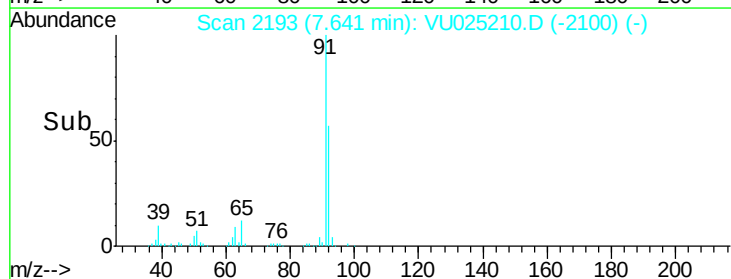
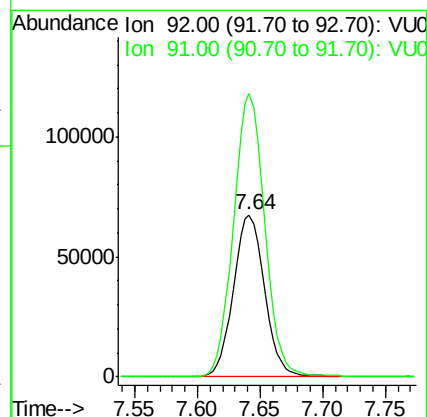
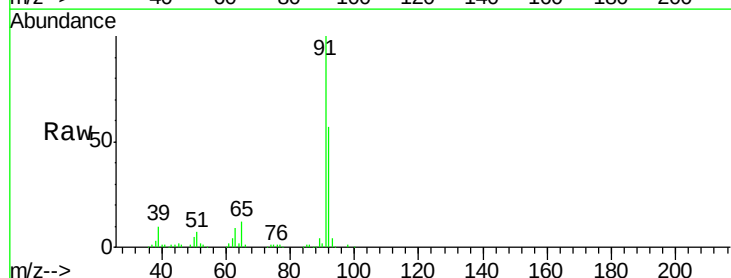
Acq: 05 Jul 2018 12:59

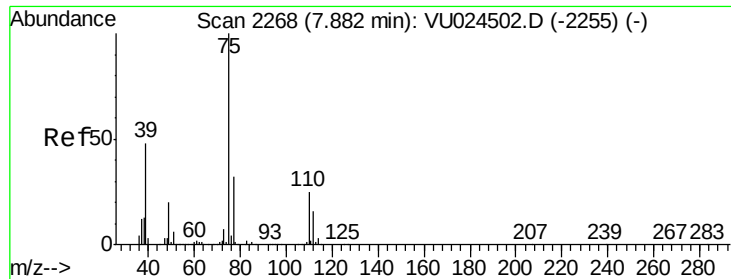
Tgt Ion: 92 Resp: 116685

Ion Ratio Lower Upper

92 100

91 175.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 20.76 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

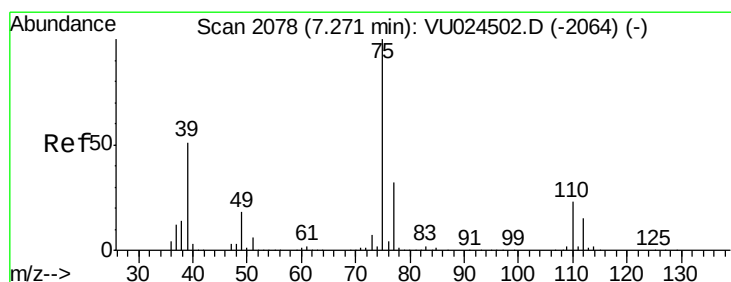
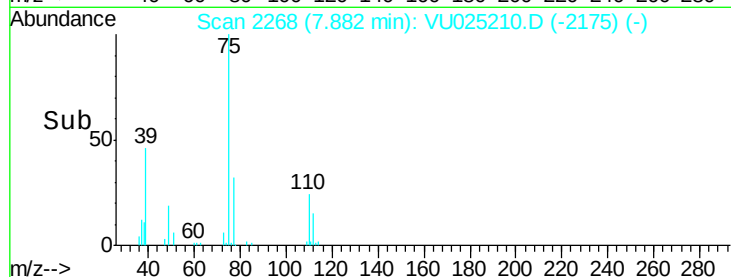
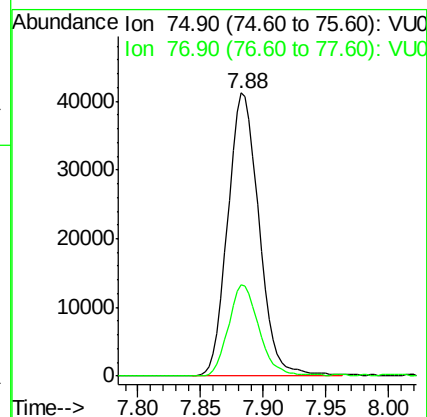
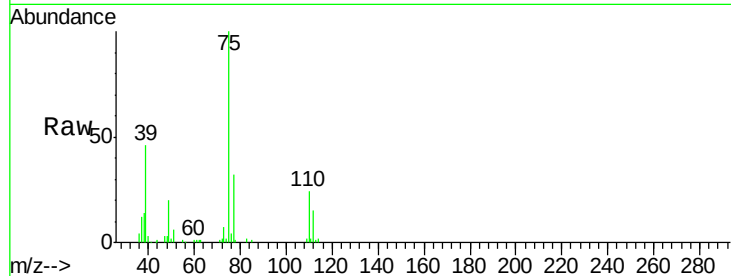
VU0705WBS01

Tot Ion: 75 Resp: 71755

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 20.35 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

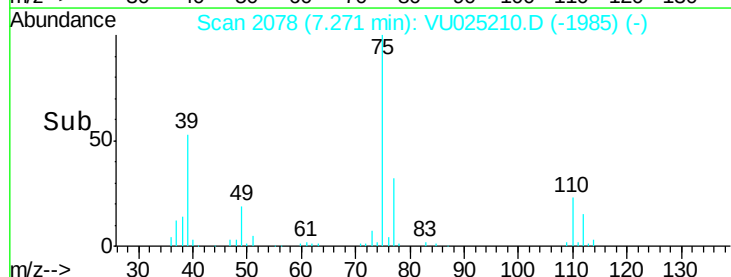
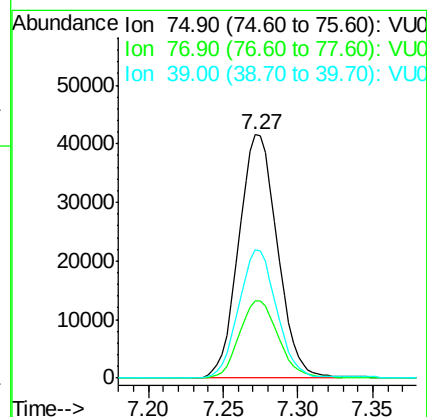
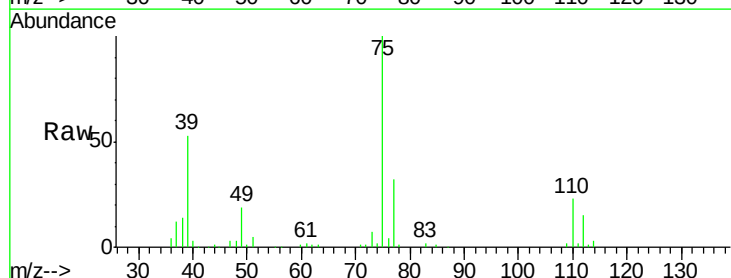
Tgt Ion: 75 Resp: 74951

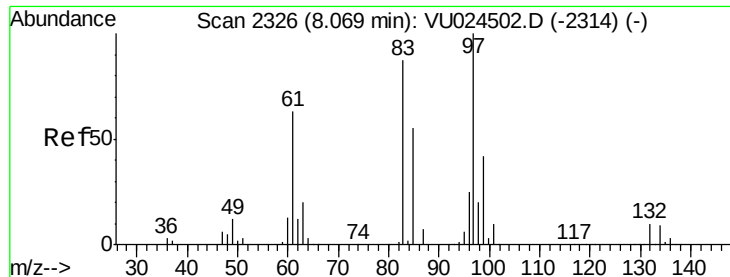
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 52.7 39.8 59.6

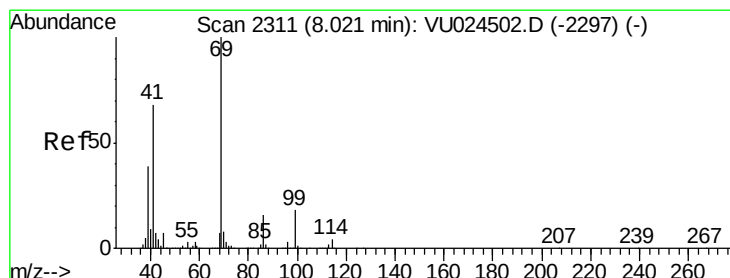
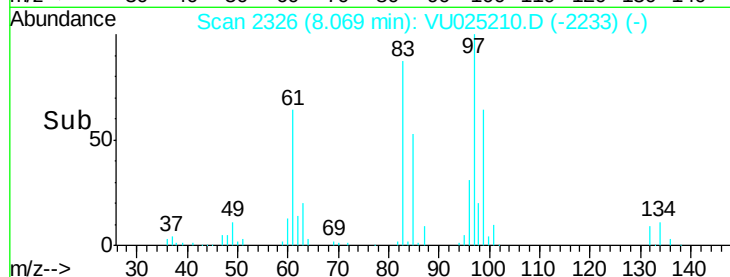
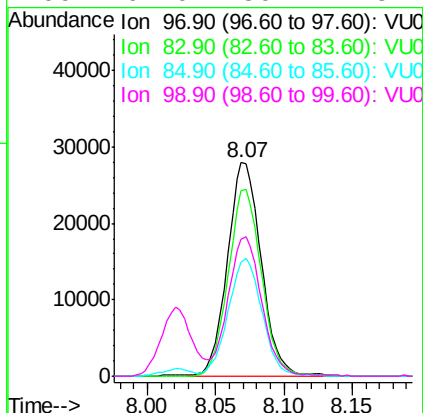
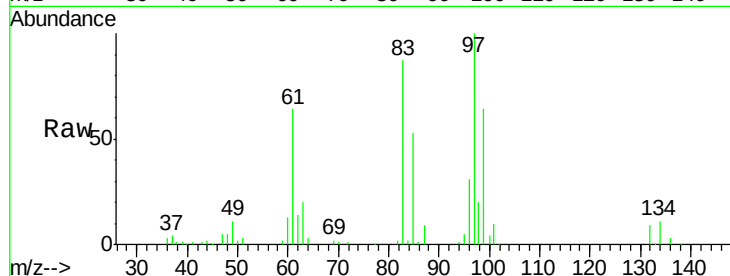




#55
 1,1,2-Trichloroethane
 Concen: 22.34 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

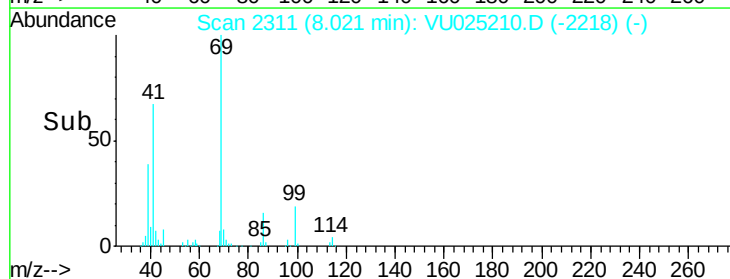
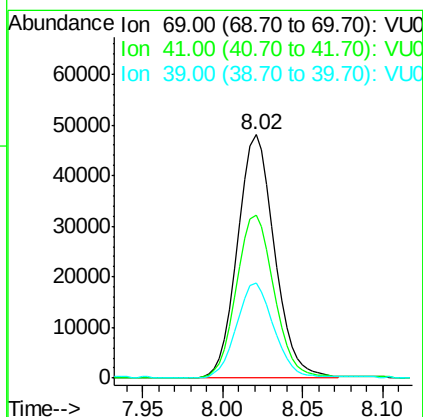
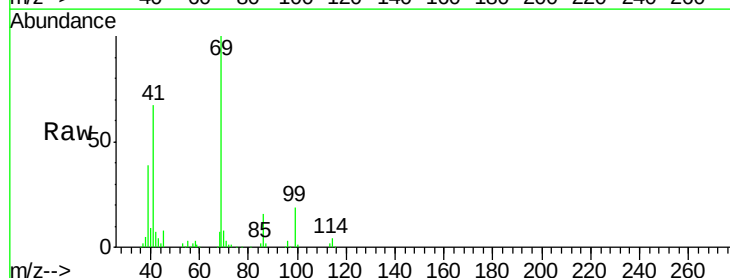
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

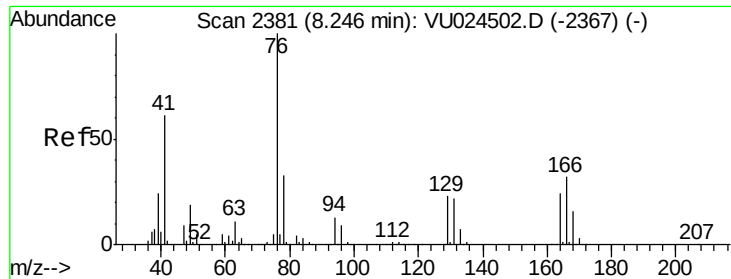
Tot Ion:	97	Resp:	48164
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.5	105.7
85	53.4	46.4	69.6
99	64.0	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.99 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion:	69	Resp:	75774
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	39.1	30.3	45.5

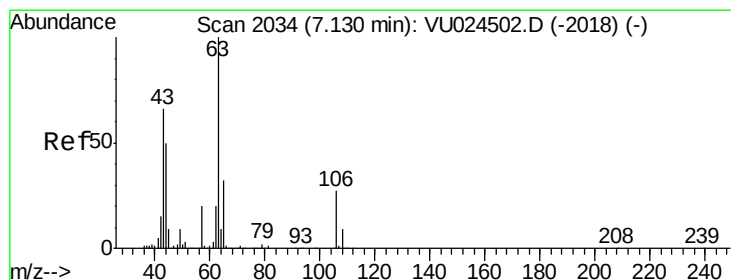
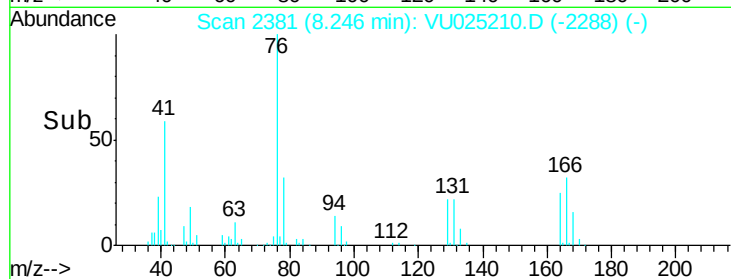
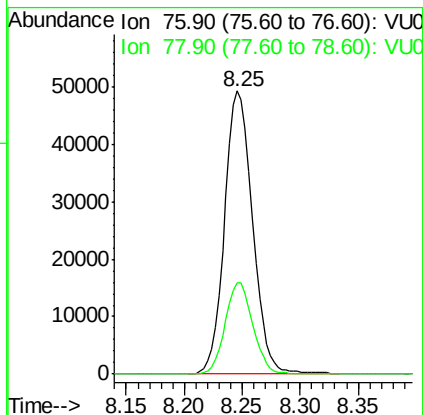
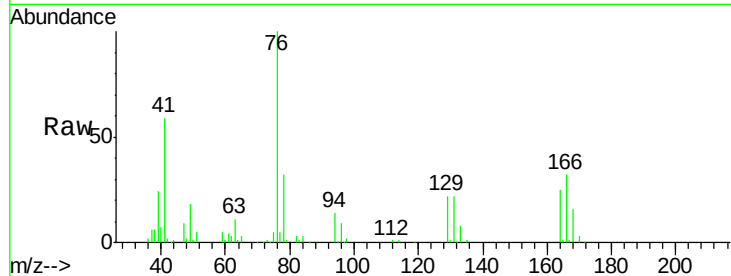




#57
 1,3-Dichloropropane
 Concen: 22.79 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

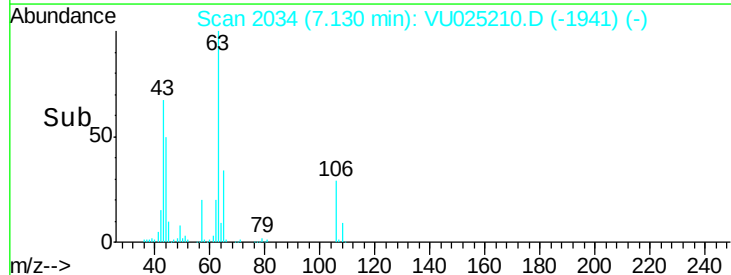
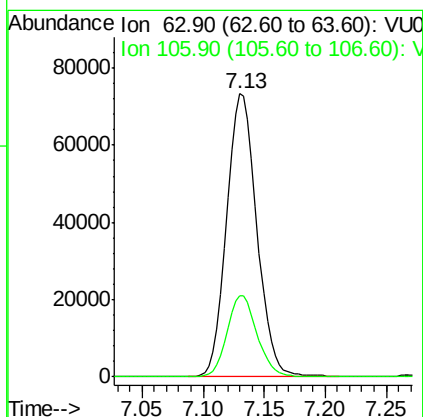
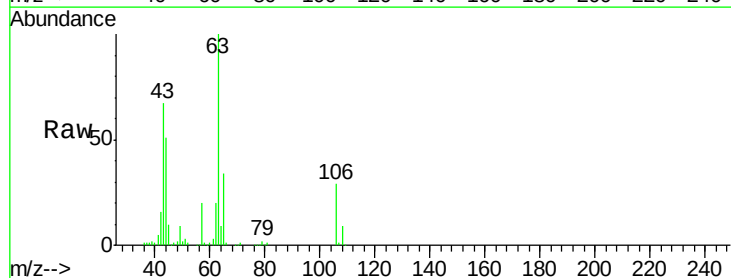
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

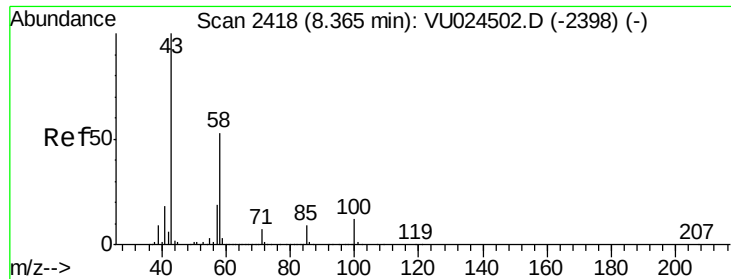
Tot Ion: 76 Resp: 82887
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.14 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion: 63 Resp: 127411
 Ion Ratio Lower Upper
 63 100
 106 28.5 20.2 30.2

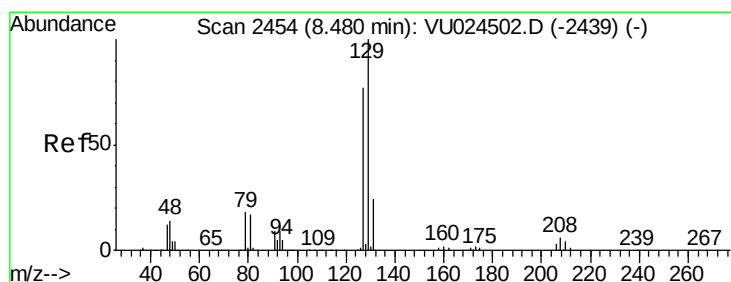
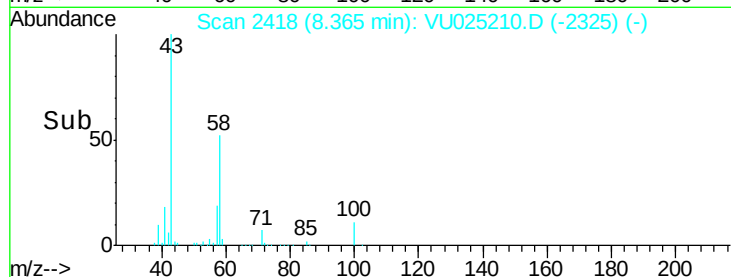
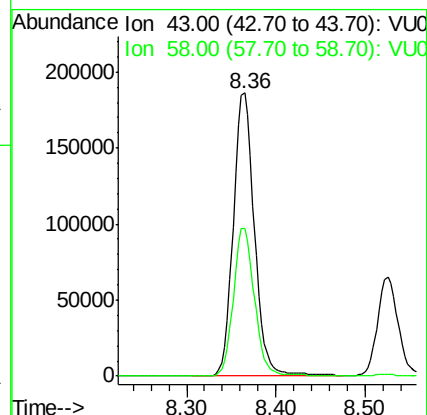
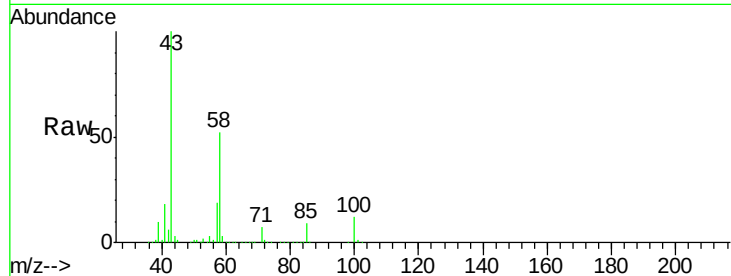




#59
2-Hexanone
Concen: 109.08 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

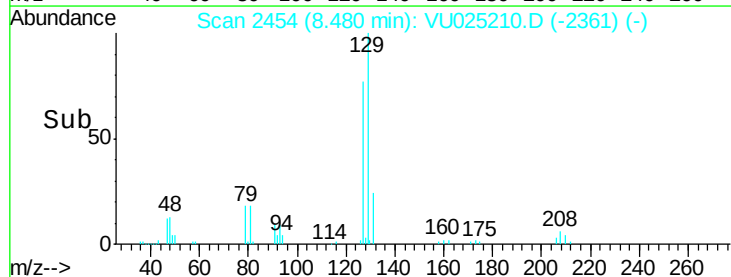
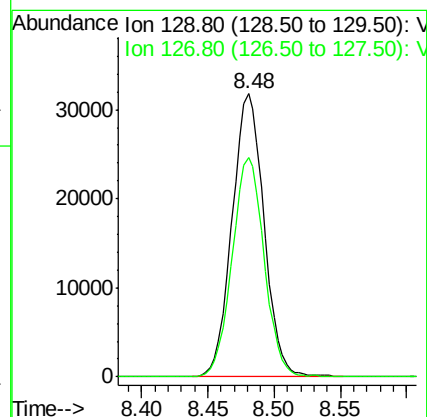
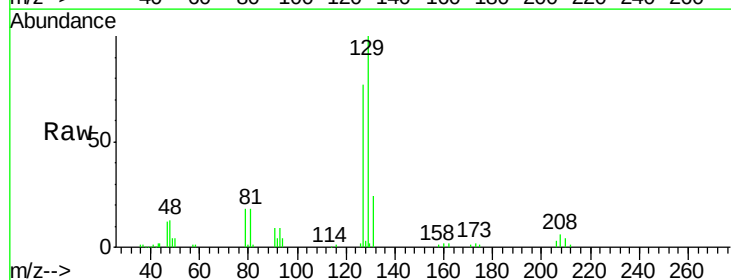
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

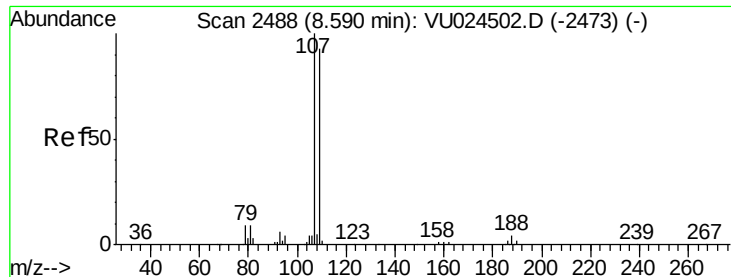
Tot Ion: 43 Resp: 305018
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 19.81 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion: 129 Resp: 53274
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 22.60 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

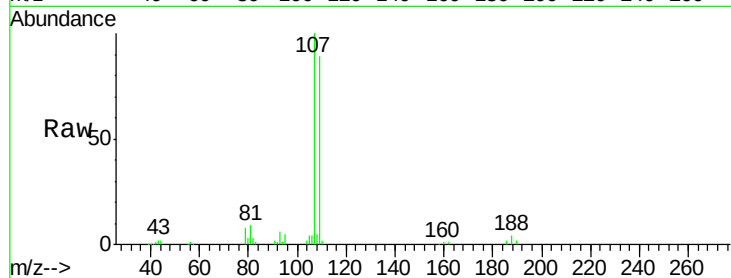
VU0705WBS01

Tot Ion:107 Resp: 54235

Ion Ratio Lower Upper

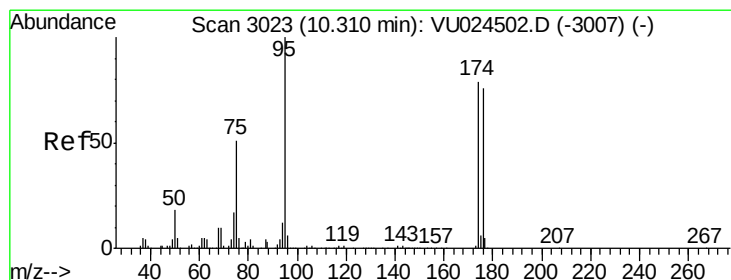
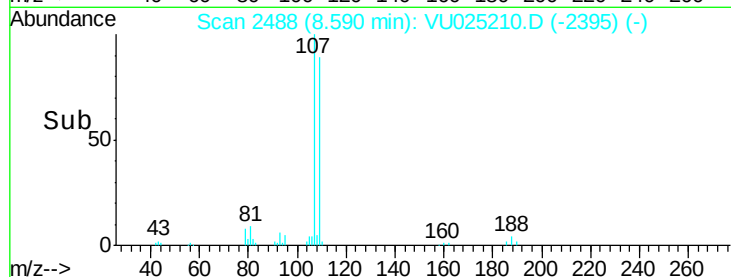
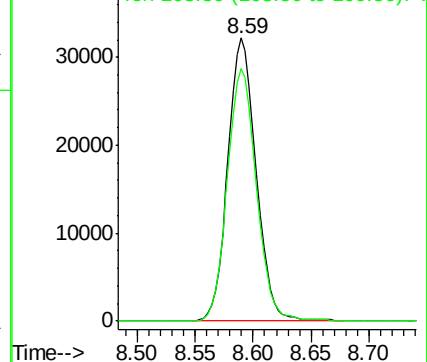
107 100

109 91.4 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: 49.54 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

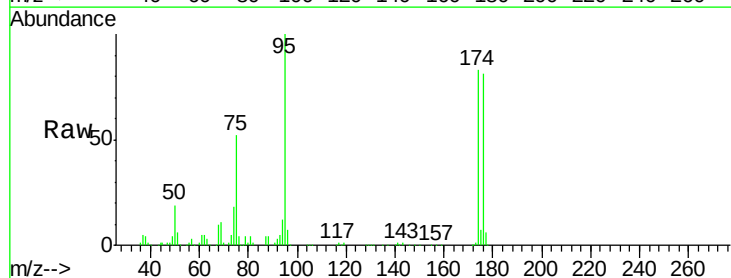
Tgt Ion: 95 Resp: 146638

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

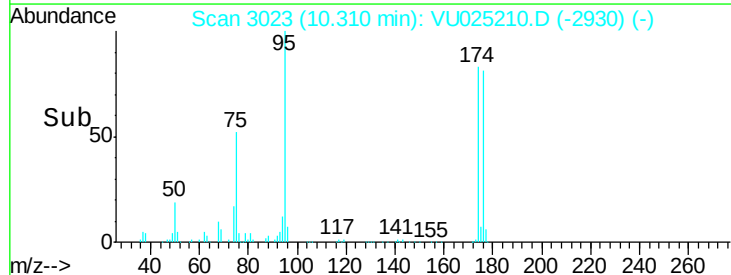
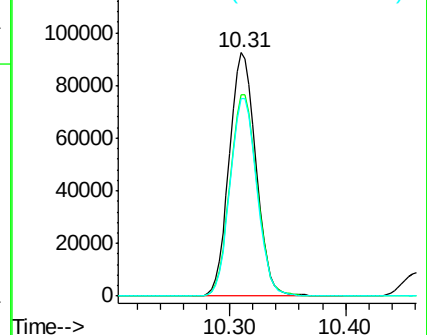
176 81.5 0.0 159.4

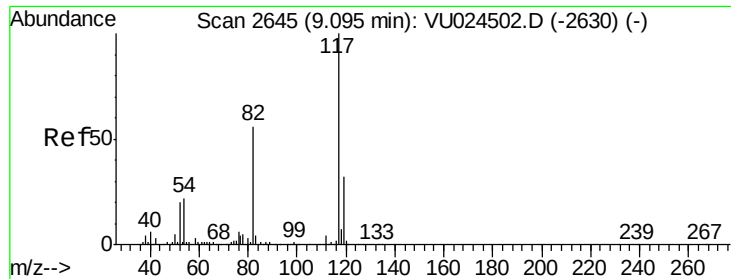


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

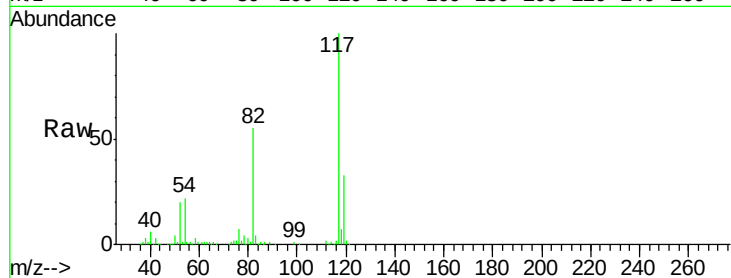




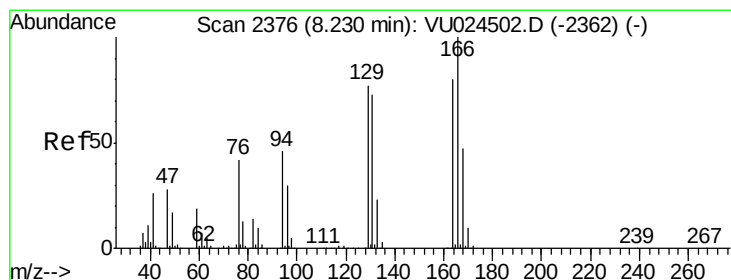
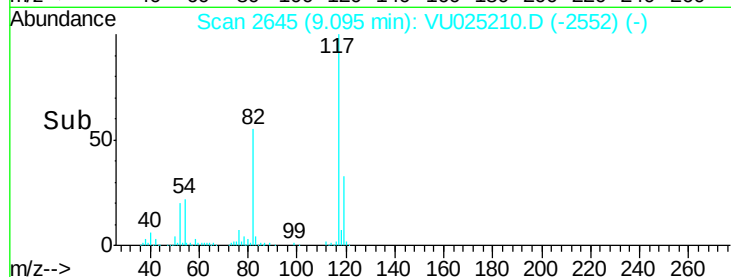
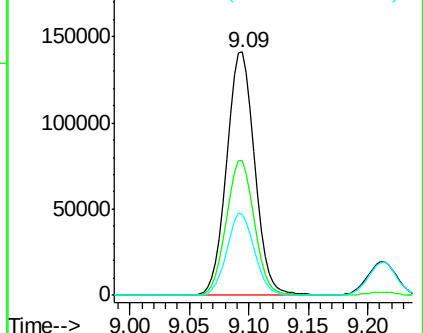
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.3	66.5
119	33.3	25.4	38.2



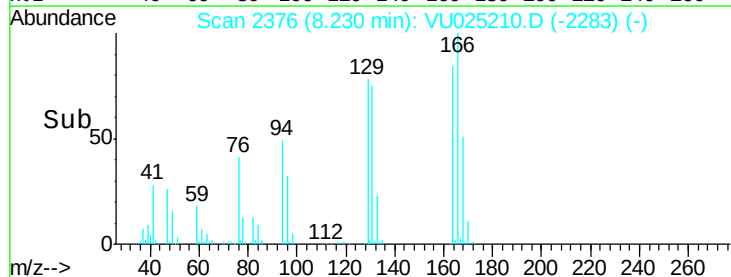
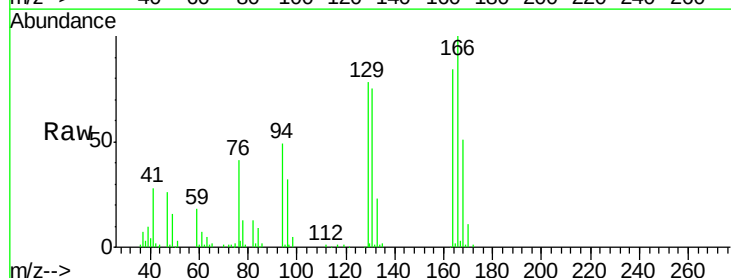
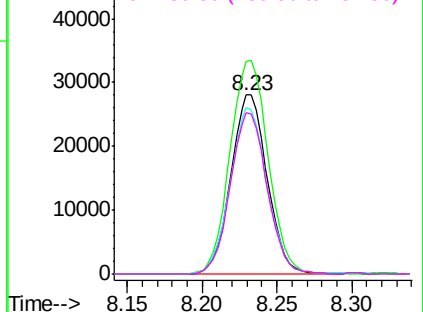
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

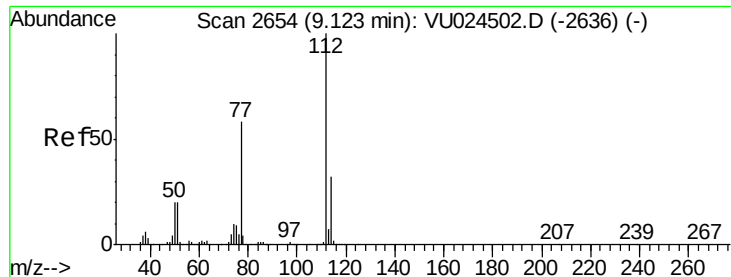


#64
Tetrachloroethene
Concen: 21.58 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	101.7	152.5
129	92.7	76.9	115.3
131	89.8	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

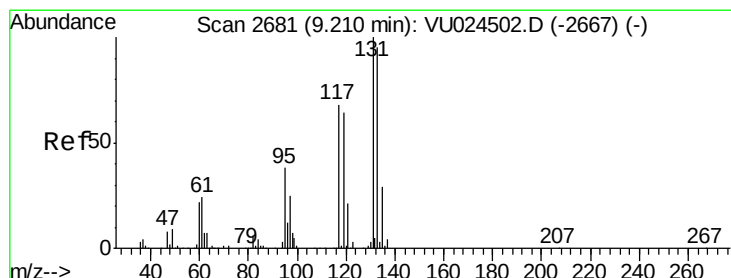
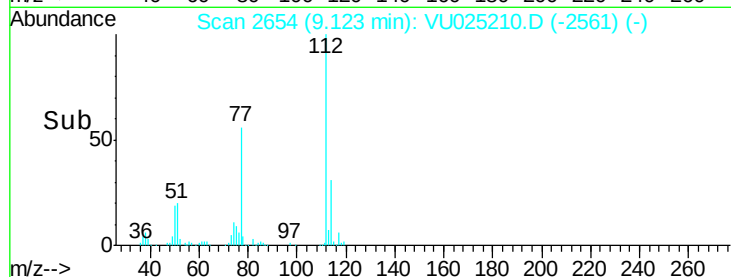
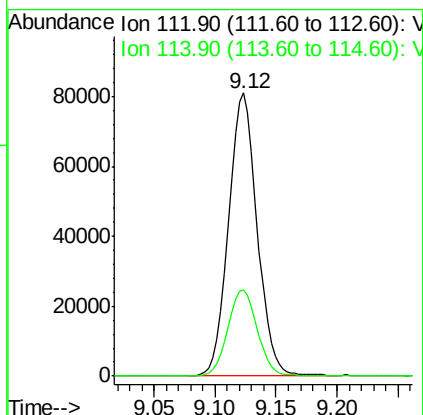
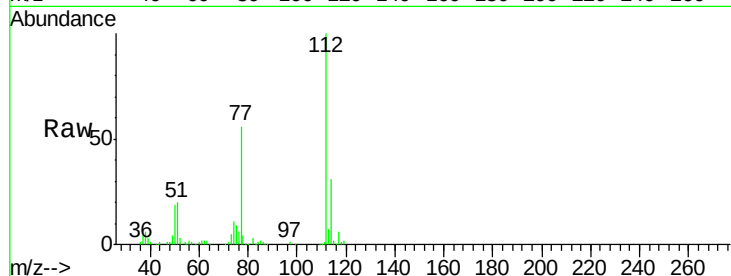




#65
Chlorobenzene
Concen: 22.52 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

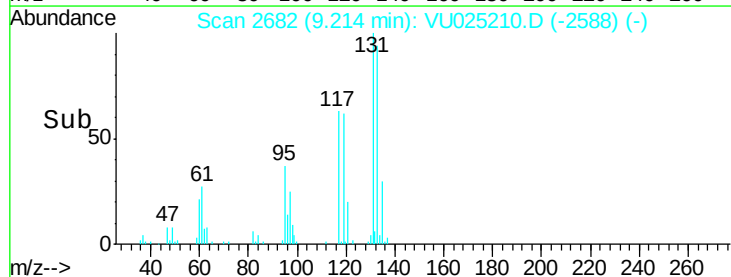
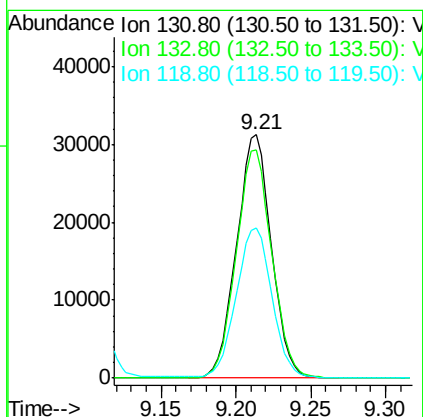
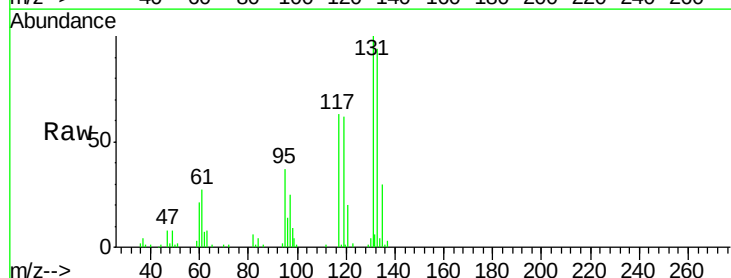
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

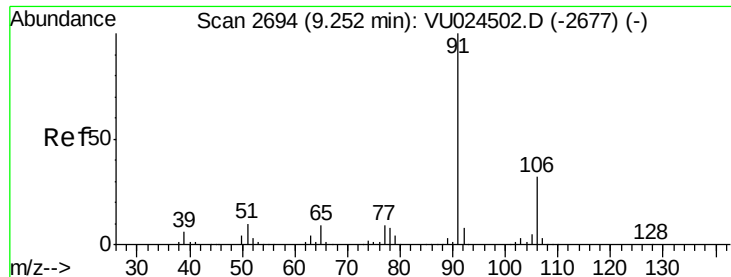
Tot Ion:112 Resp: 132988
Ion Ratio Lower Upper
112 100
114 30.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.58 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion:131 Resp: 50662
Ion Ratio Lower Upper
131 100
133 95.7 46.9 140.8
119 63.4 33.5 100.4





#67

Ethyl Benzene

Concen: 21.99 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

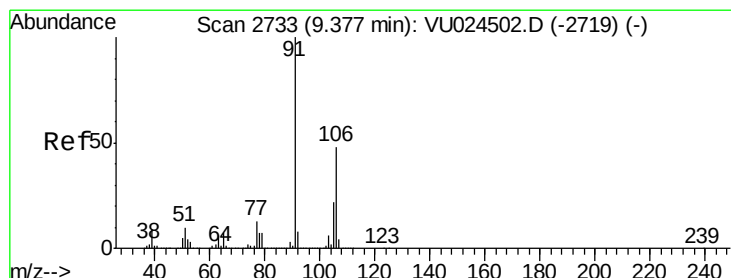
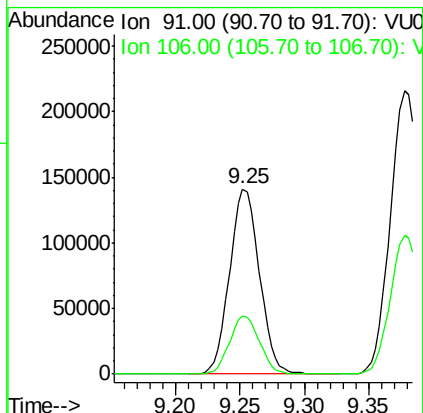
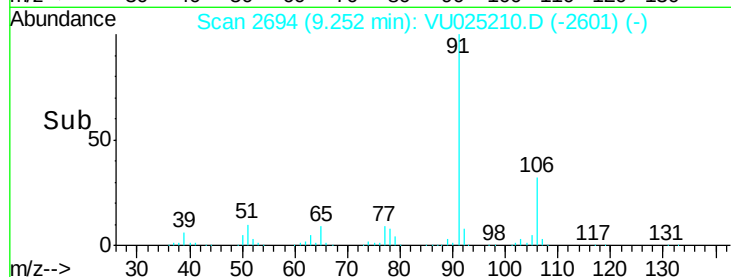
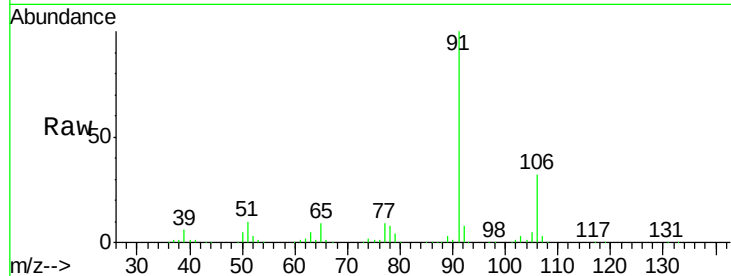
VU0705WBS01

Tot Ion: 91 Resp: 227624

Ion Ratio Lower Upper

91 100

106 31.6 24.2 36.4



#68

m/p-Xylenes

Concen: 44.59 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025210.D

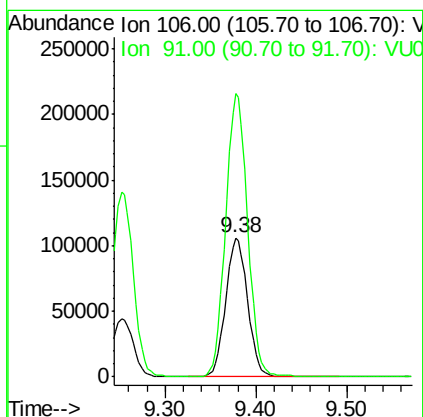
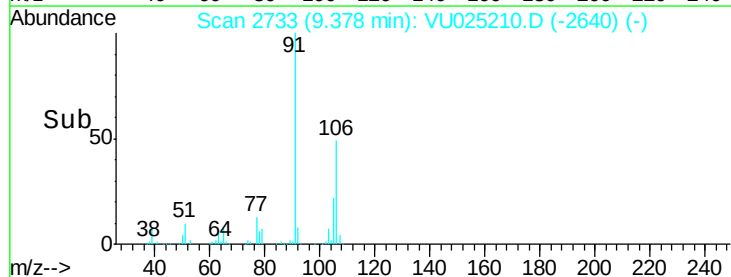
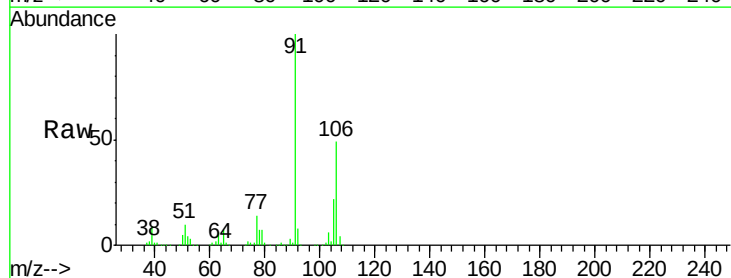
Acq: 05 Jul 2018 12:59

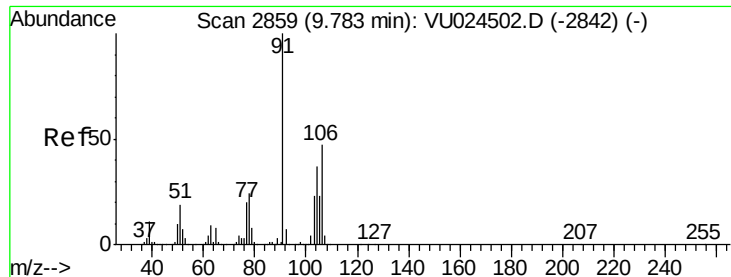
Tgt Ion: 106 Resp: 177235

Ion Ratio Lower Upper

106 100

91 203.1 166.5 249.7

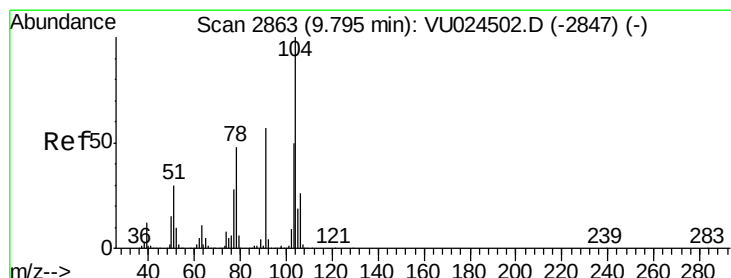
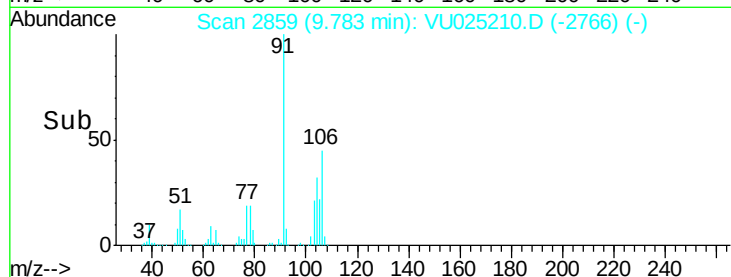
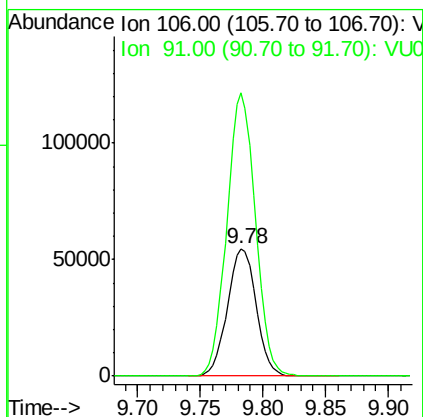
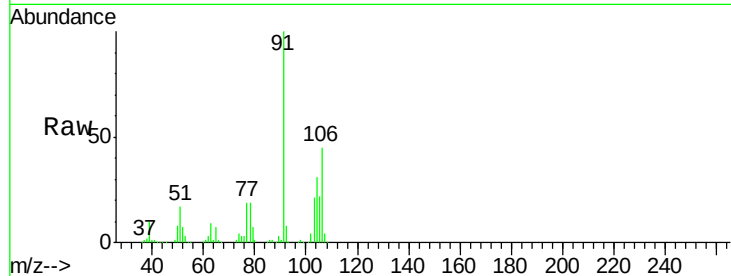




#69
o-Xylene
Concen: 22.15 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

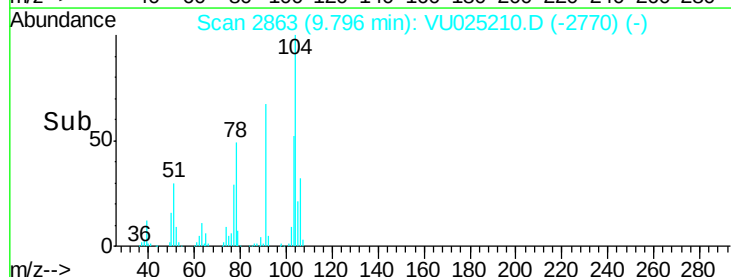
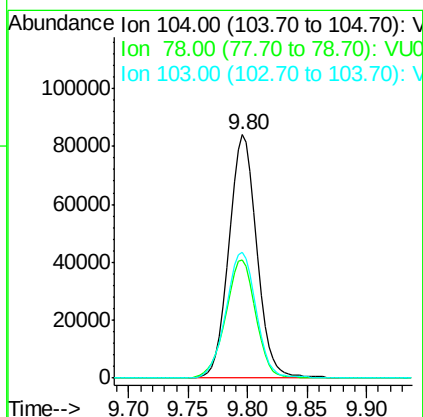
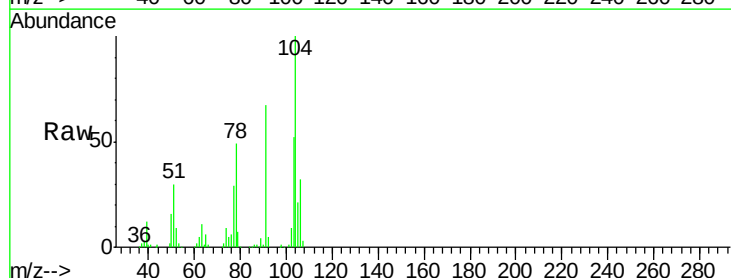
Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

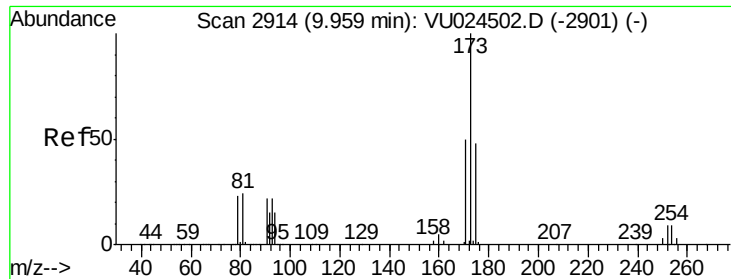
Tot Ion:106 Resp: 87133
Ion Ratio Lower Upper
106 100
91 220.1 110.7 331.9



#70
Styrene
Concen: 21.16 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025210.D
Acq: 05 Jul 2018 12:59

Tgt Ion:104 Resp: 136799
Ion Ratio Lower Upper
104 100
78 52.2 40.6 60.8
103 55.7 44.7 67.1





#71

Bromoform

Concen: 19.44 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :
MSVOA_U
ClientSampleId :
VU0705WBS01

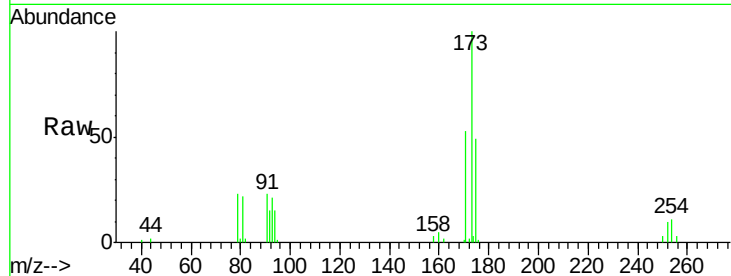
Tot Ion:173 Resp: 41449

Ion Ratio Lower Upper

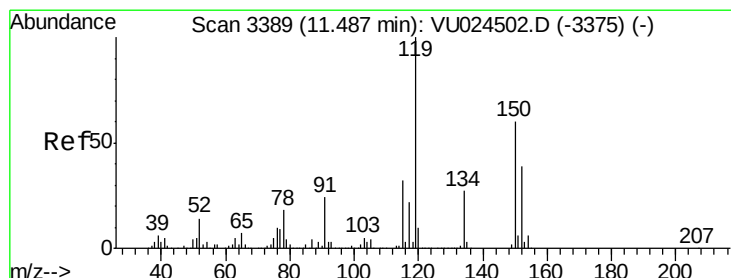
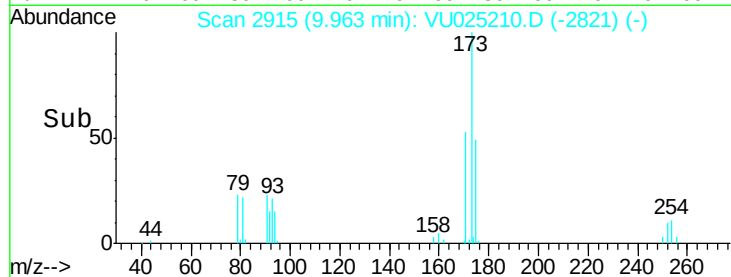
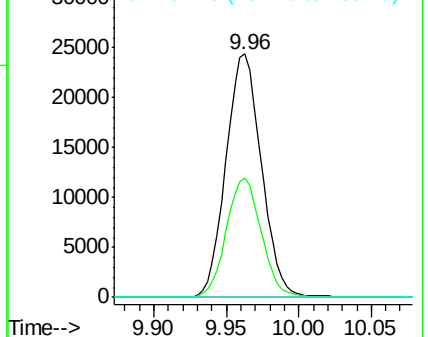
173 100

175 48.2 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: VU025210.D

Acq: 05 Jul 2018 12:59

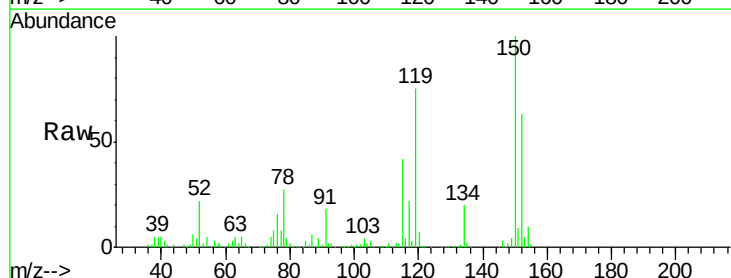
Tgt Ion:152 Resp: 130032

Ion Ratio Lower Upper

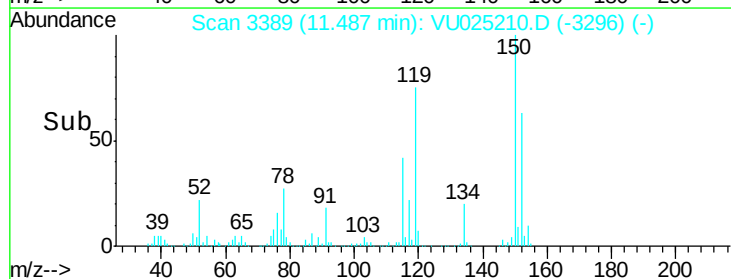
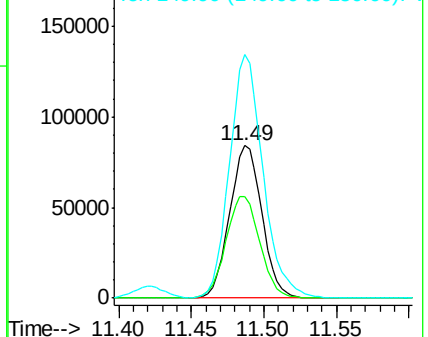
152 100

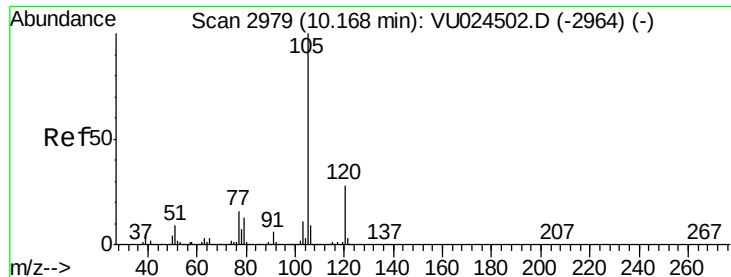
115 69.7 43.0 129.0

150 165.5 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: 23.72 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

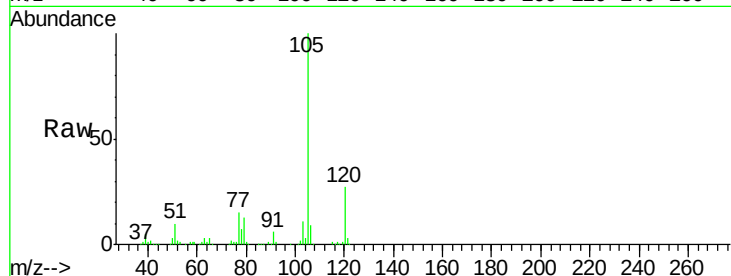
VU0705WBS01

Tot Ion:105 Resp: 236774

Ion Ratio Lower Upper

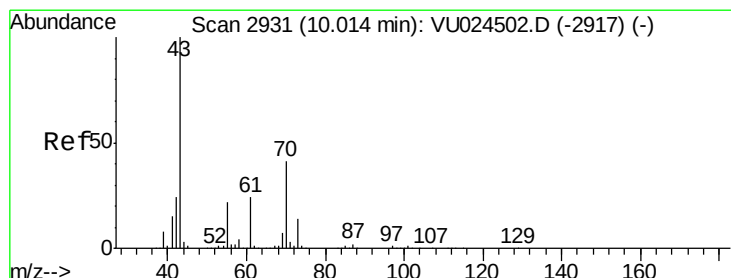
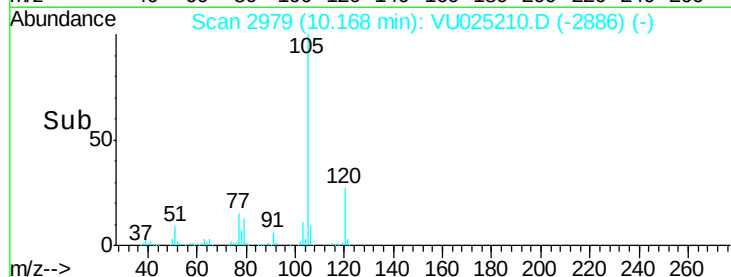
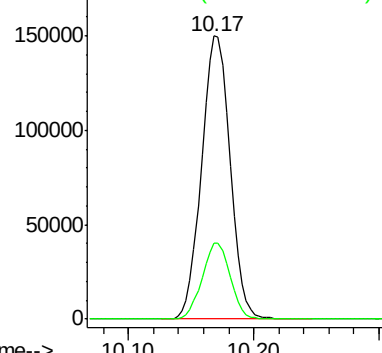
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.45 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Tgt Ion: 43 Resp: 97113

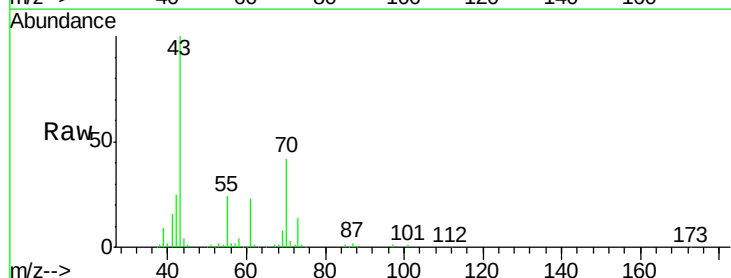
Ion Ratio Lower Upper

43 100

70 42.1 32.2 48.4

55 24.1 20.5 30.7

61 23.4 18.7 28.1

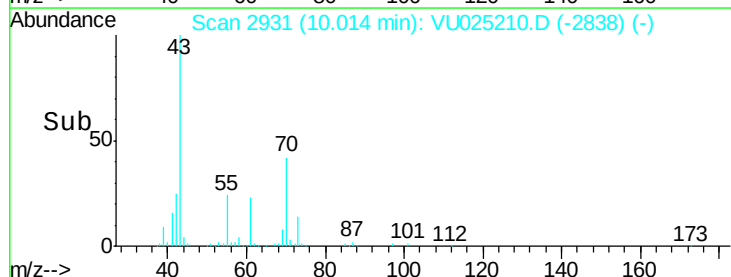
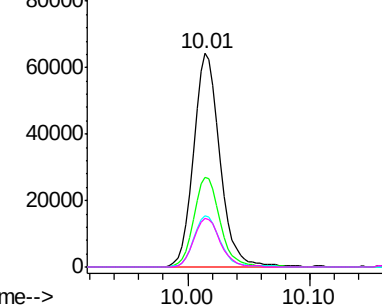


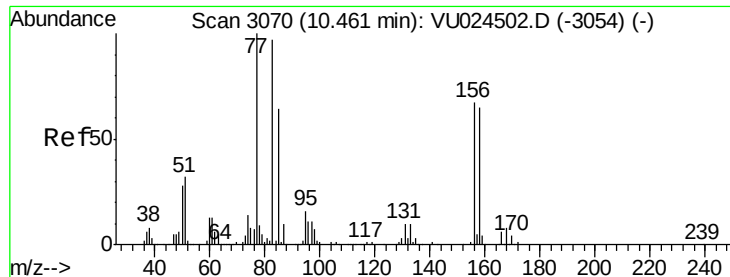
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.22 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

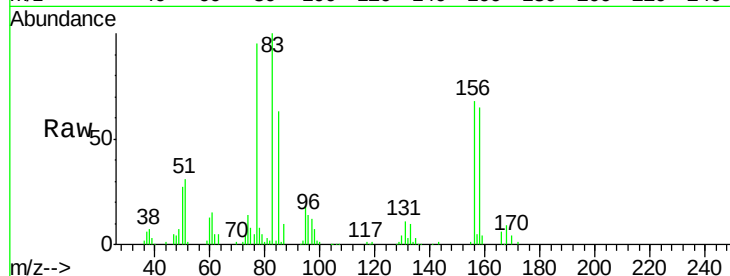
Tot Ion: 83 Resp: 81021

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

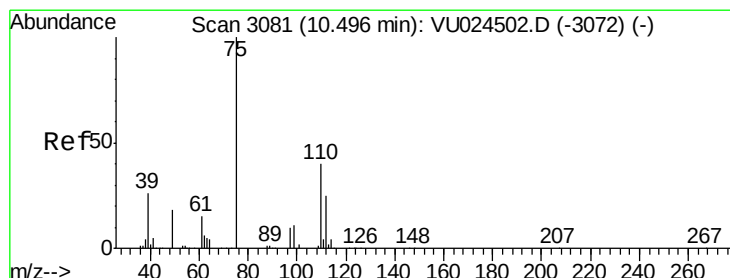
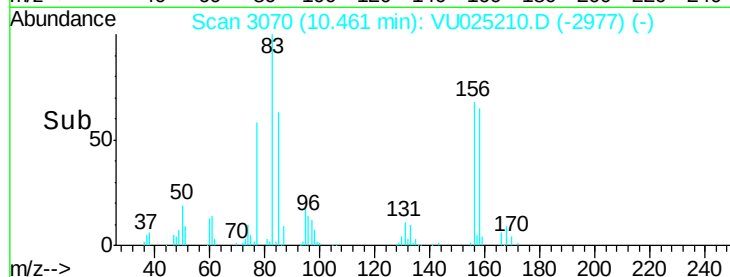
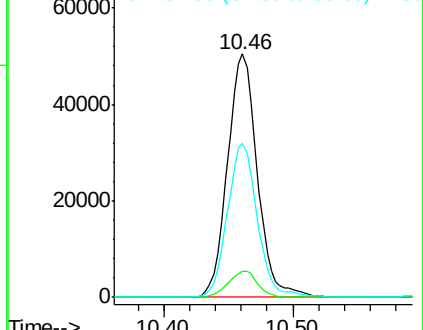
85 63.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 32.29 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025210.D

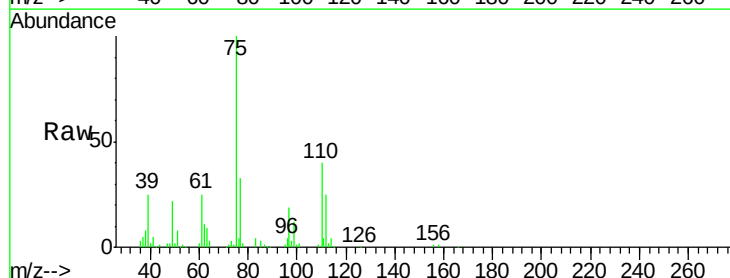
Acq: 05 Jul 2018 12:59

Tgt Ion: 75 Resp: 92443

Ion Ratio Lower Upper

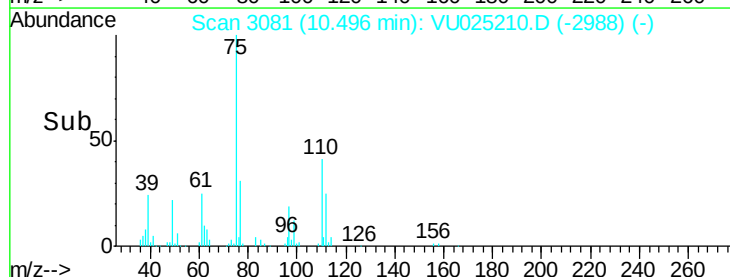
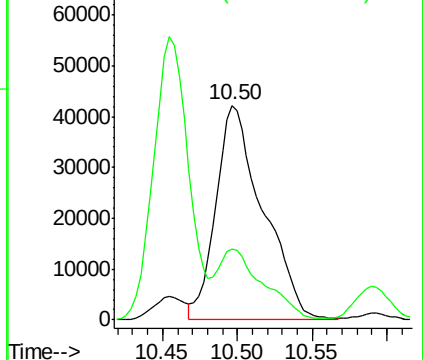
75 100

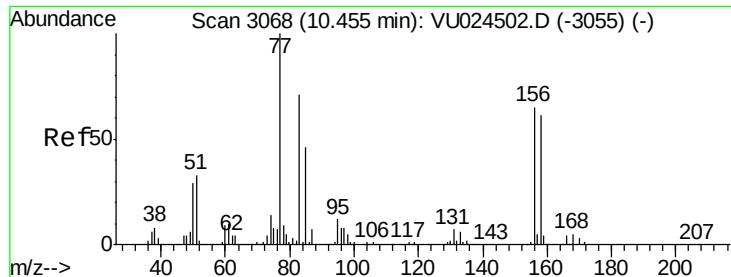
77 31.0 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 24.17 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

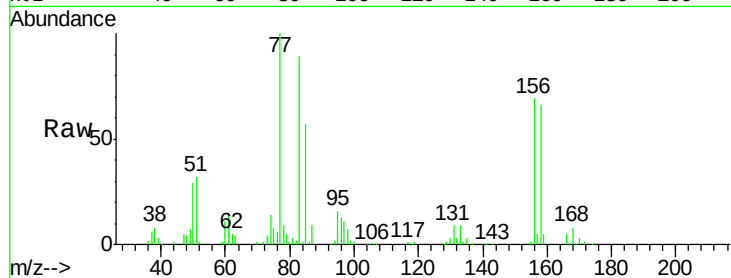
Tot Ion:156 Resp: 61092

Ion Ratio Lower Upper

156 100

77 147.4 80.5 241.3

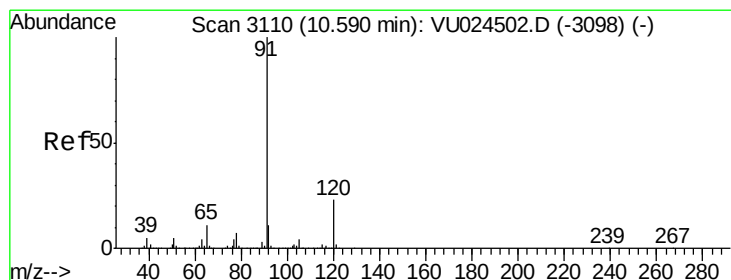
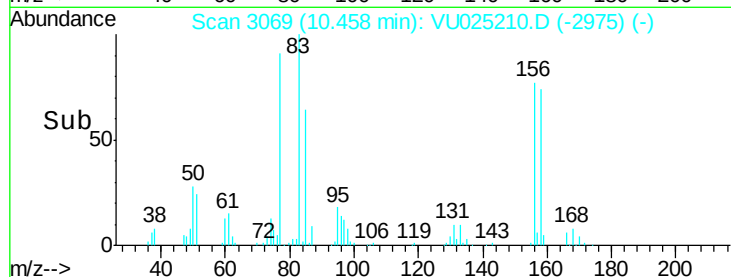
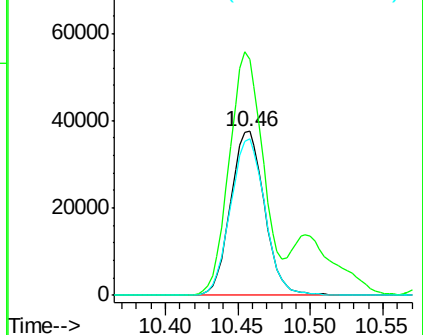
158 96.7 48.2 144.6



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: 21.90 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025210.D

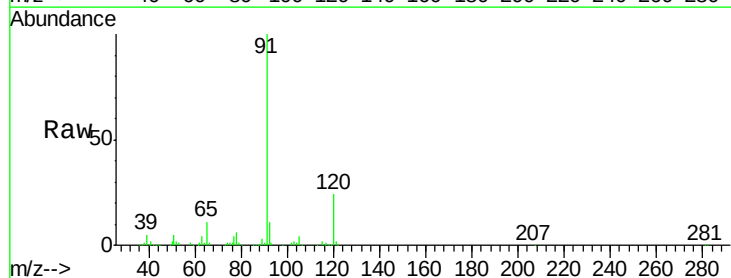
Acq: 05 Jul 2018 12:59

Tgt Ion: 91 Resp: 257588

Ion Ratio Lower Upper

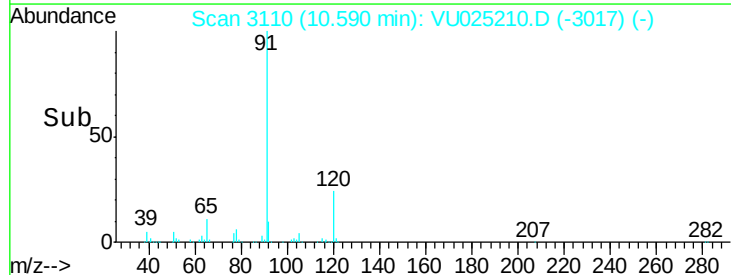
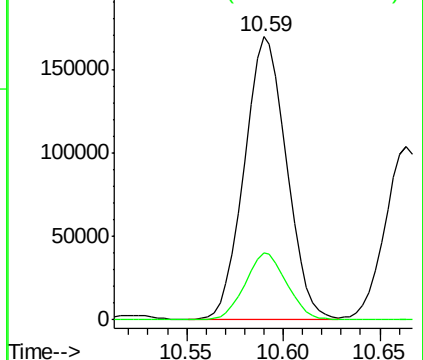
91 100

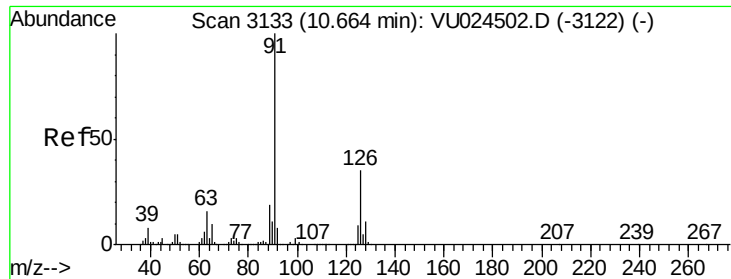
120 23.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.27 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

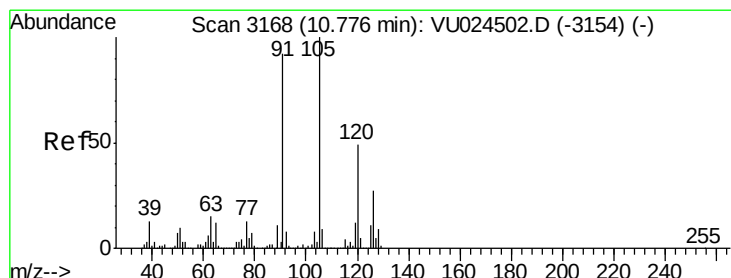
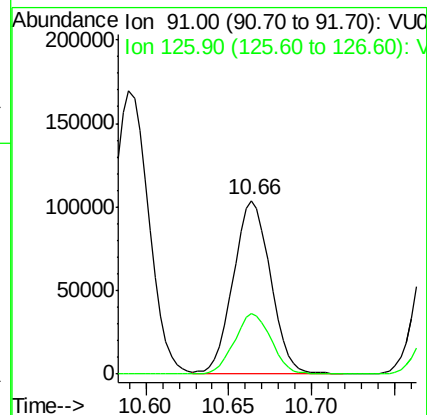
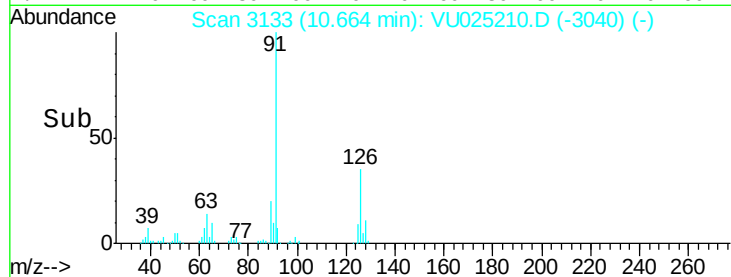
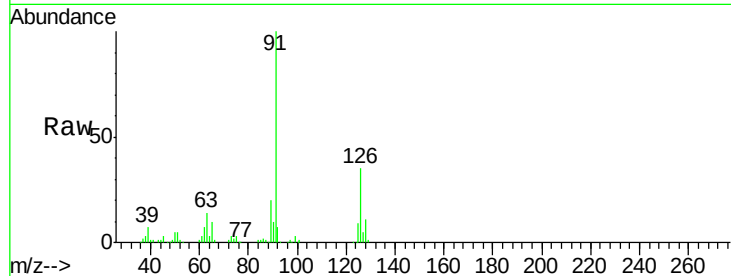
VU0705WBS01

Tot Ion: 91 Resp: 161370

Ion Ratio Lower Upper

91 100

126 34.8 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 23.40 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025210.D

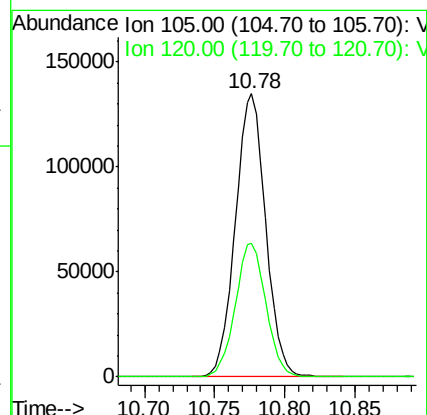
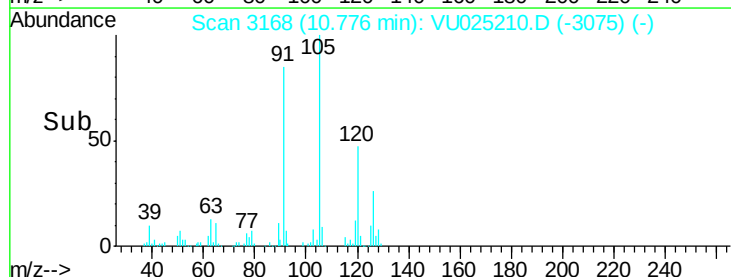
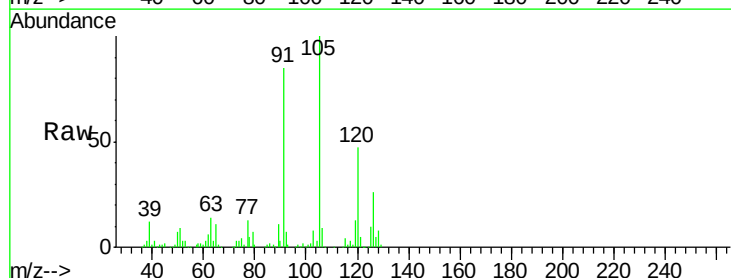
Acq: 05 Jul 2018 12:59

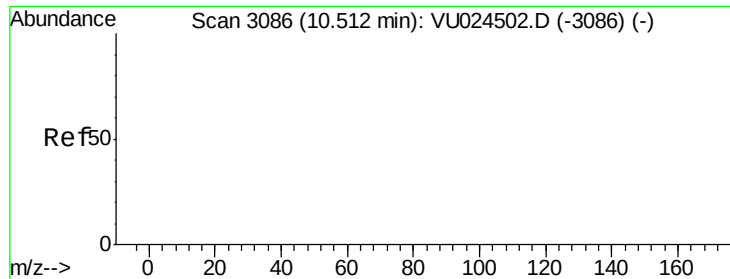
Tgt Ion: 105 Resp: 202484

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 74.73 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

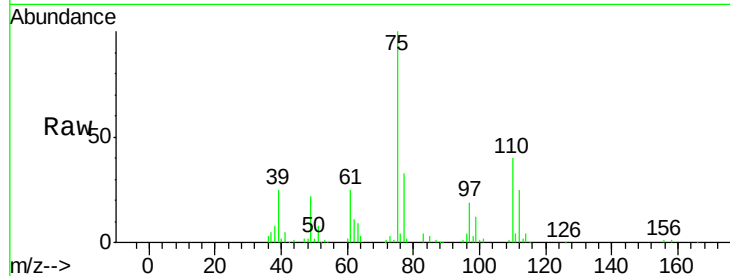
Tot Ion: 75 Resp: 92443

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

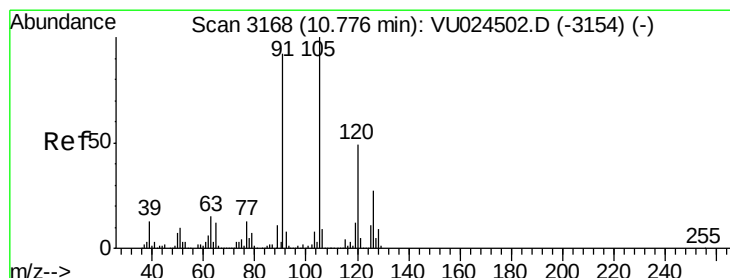
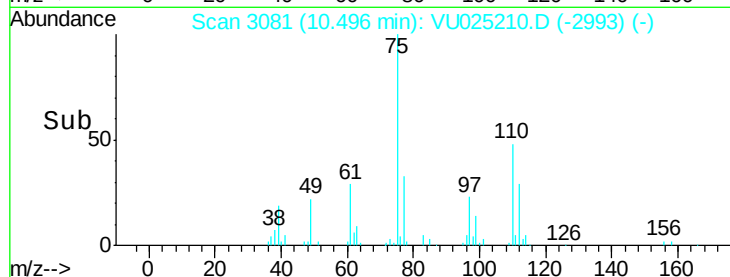
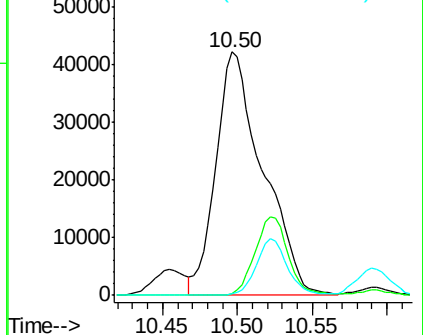
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 22.00 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025210.D

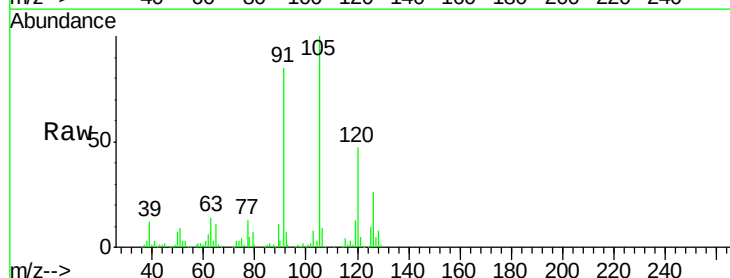
Acq: 05 Jul 2018 12:59

Tgt Ion: 91 Resp: 177620

Ion Ratio Lower Upper

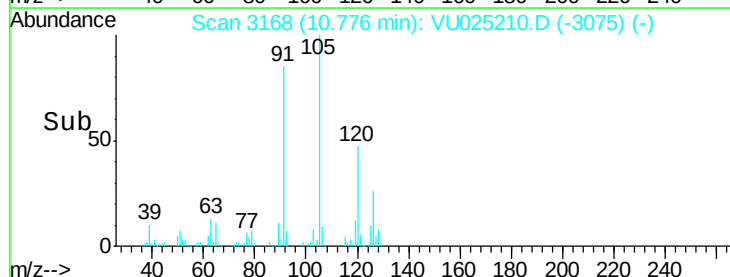
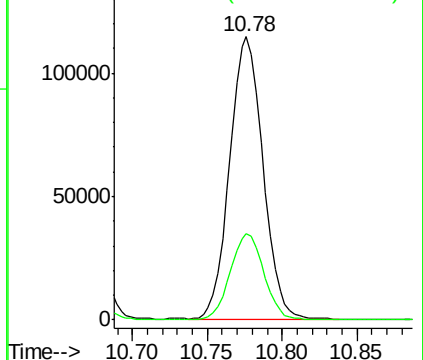
91 100

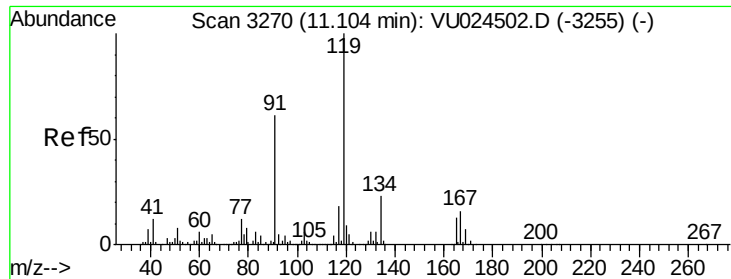
126 30.9 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

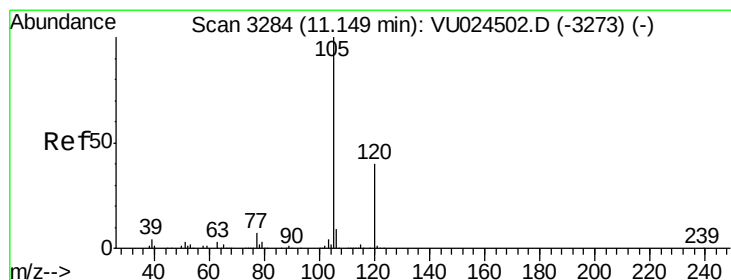
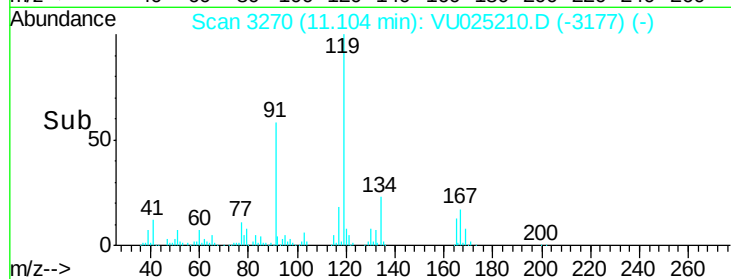
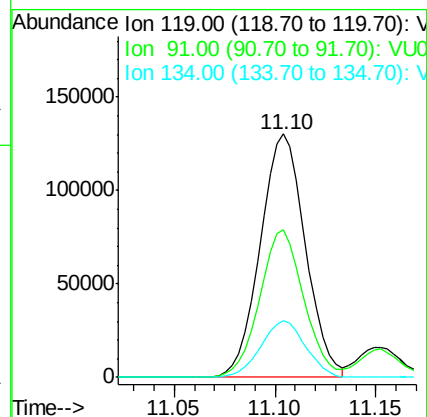
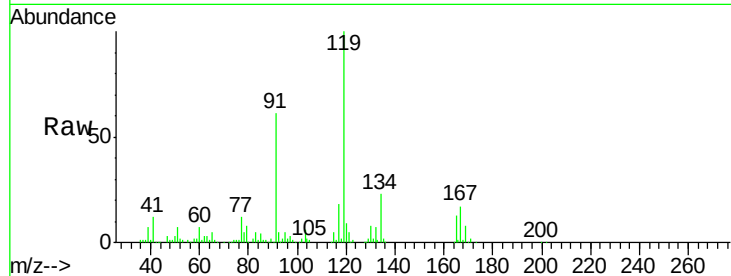




#83
 tert-Butylbenzene
 Concen: 24.33 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

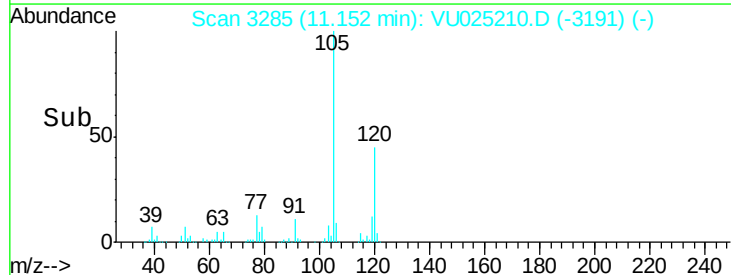
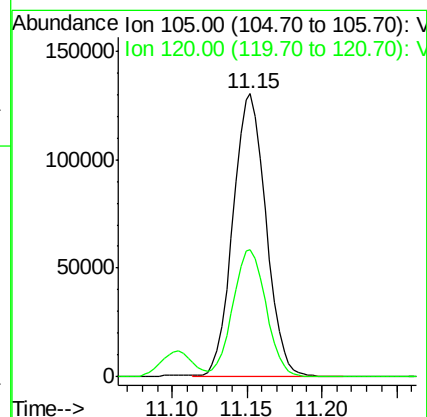
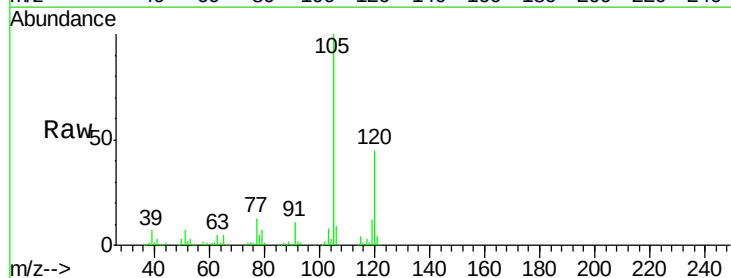
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

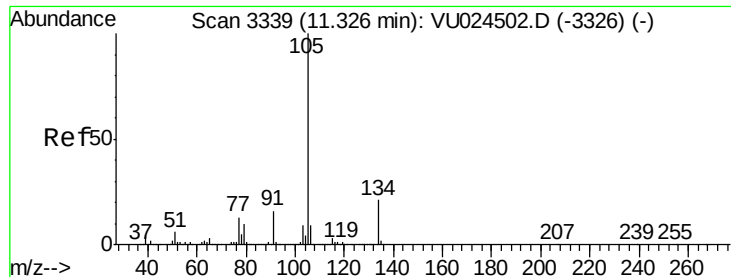
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.7	89.1
134	23.2	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.66 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 22.69 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

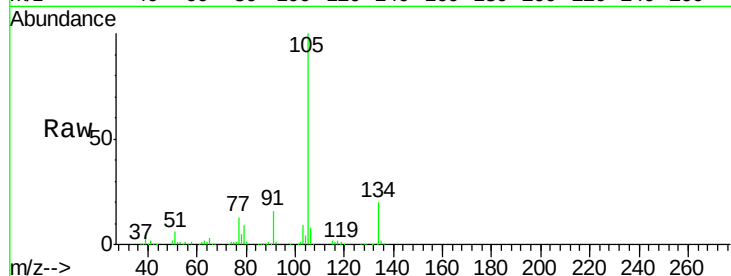
VU0705WBS01

Tot Ion:105 Resp: 236375

Ion Ratio Lower Upper

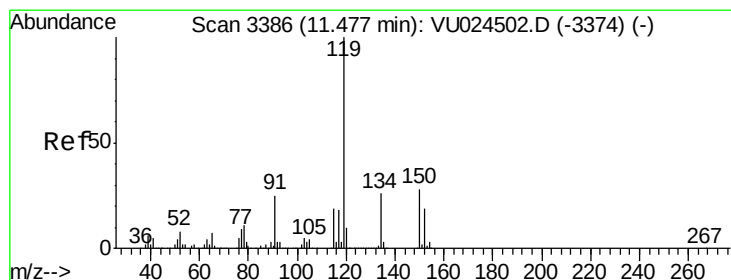
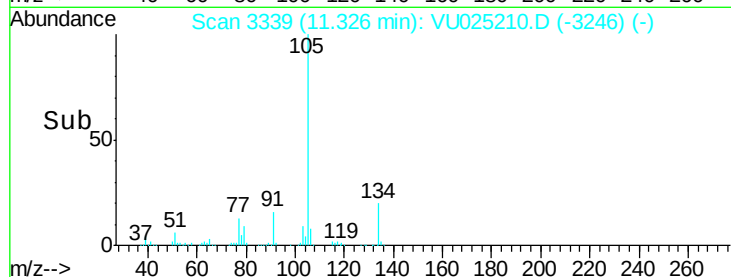
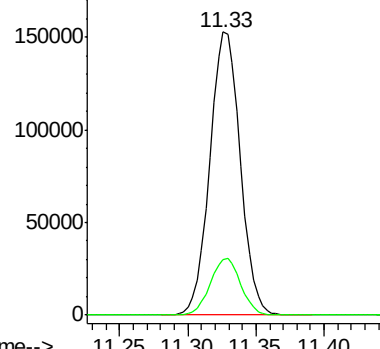
105 100

134 20.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.05 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

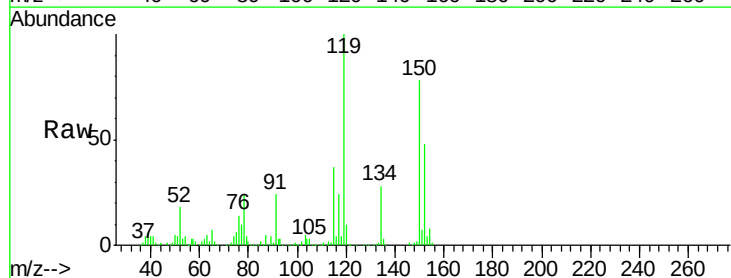
Tgt Ion:119 Resp: 205800

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

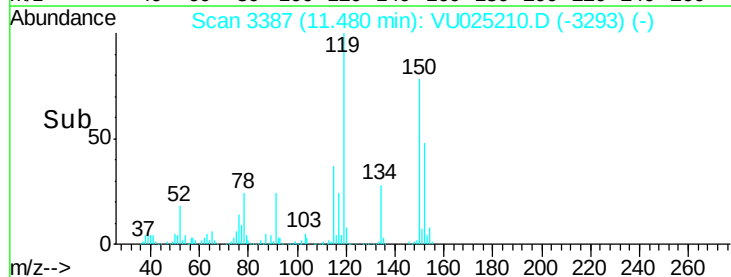
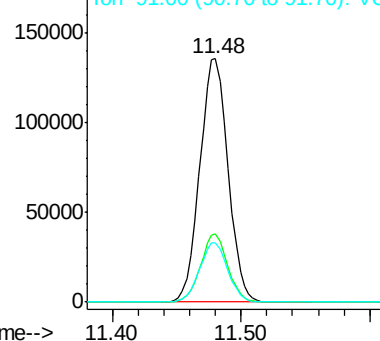
91 24.5 12.0 36.1

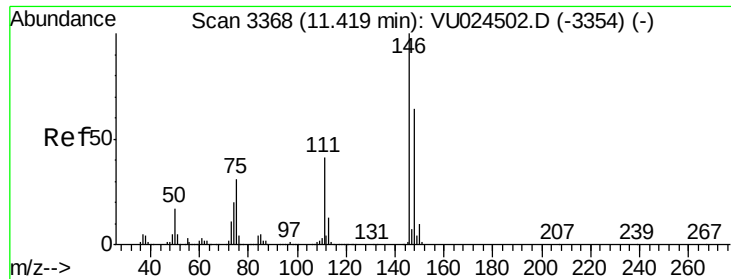


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

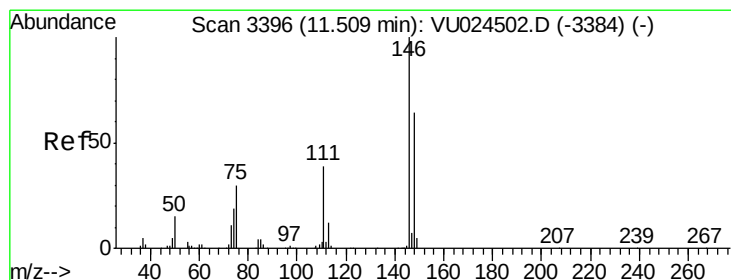
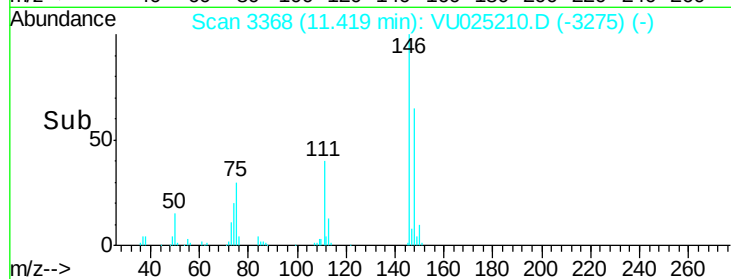
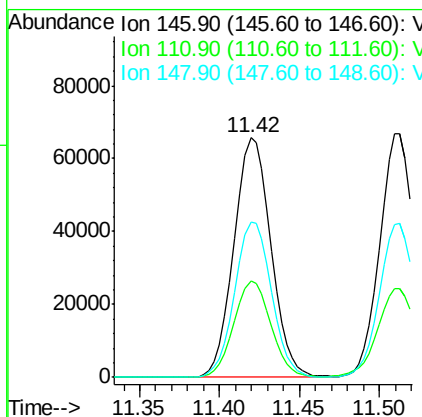
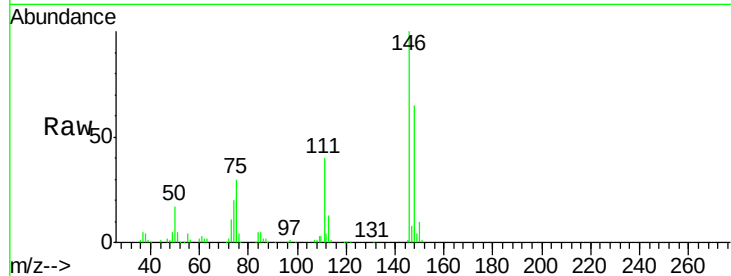




#87
 1,3-Dichlorobenzene
 Concen: 22.20 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

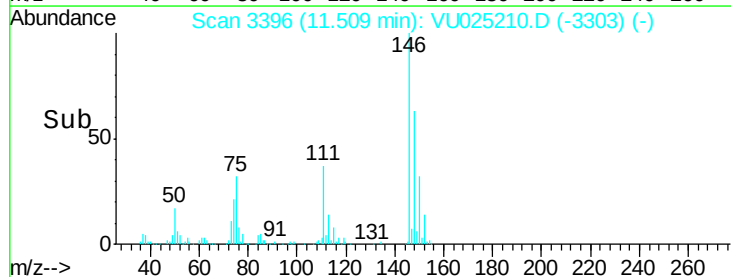
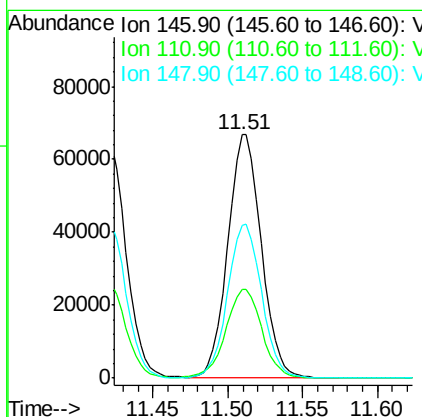
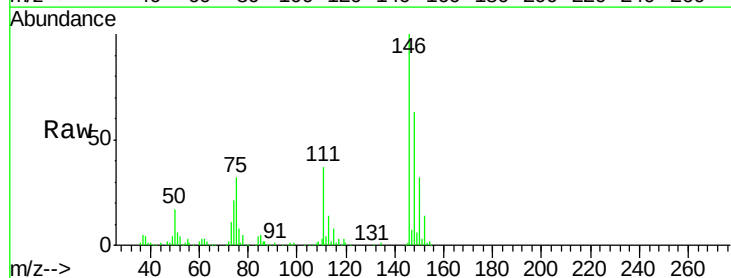
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

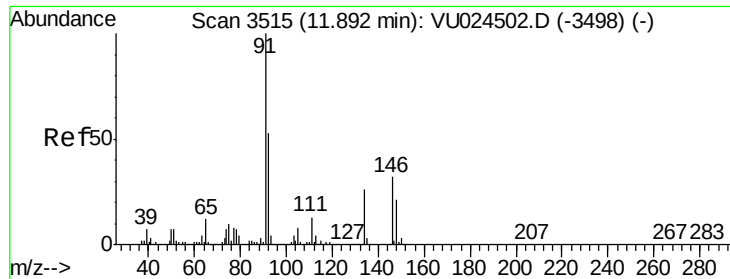
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.6	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 22.12 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.7	32.4	97.0





#89

n-Butylbenzene

Concen: 18.95 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

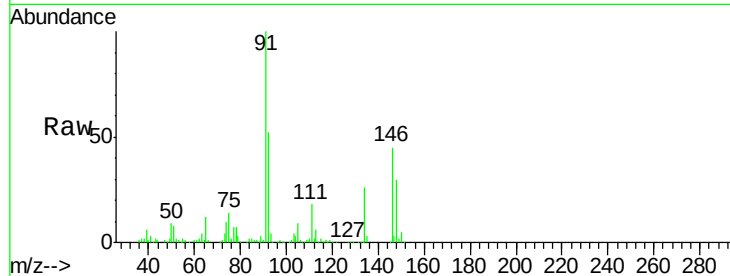
Tot Ion: 91 Resp: 156978

Ion Ratio Lower Upper

91 100

92 51.9 25.6 76.8

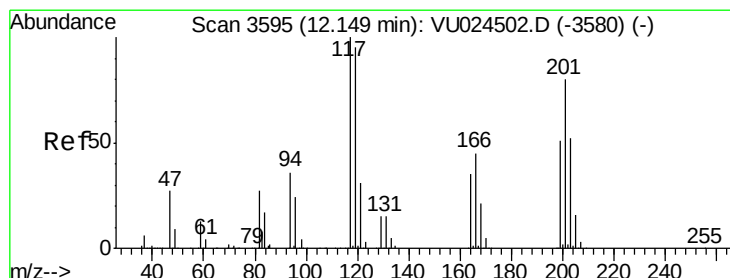
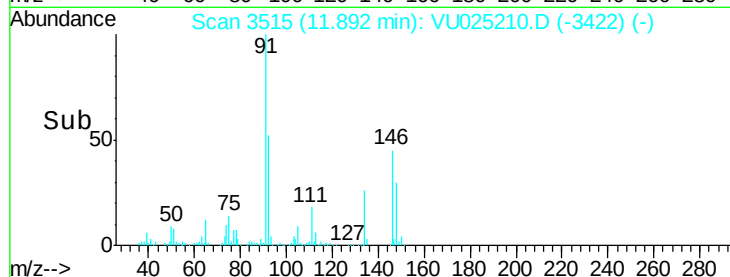
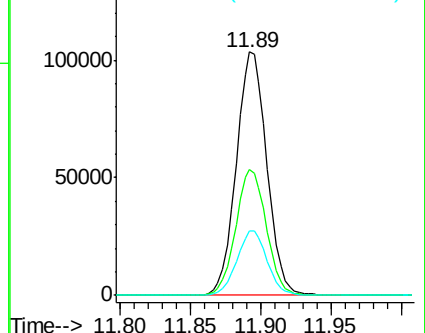
134 26.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU025210.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU025210.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU025210.D (-3498) (-)



#90

Hexachloroethane

Concen: 19.85 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025210.D

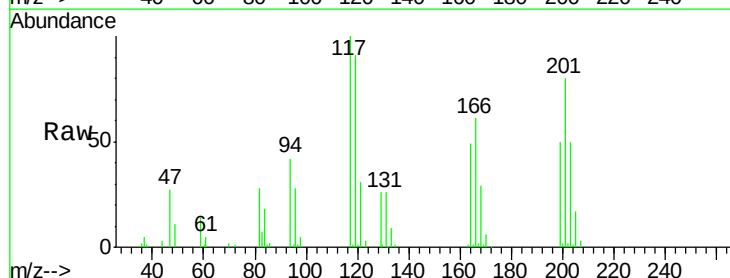
Acq: 05 Jul 2018 12:59

Tgt Ion: 117 Resp: 36135

Ion Ratio Lower Upper

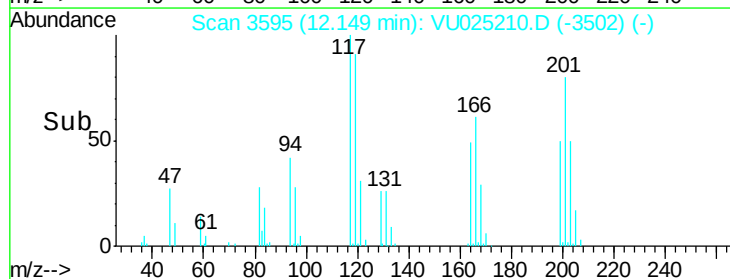
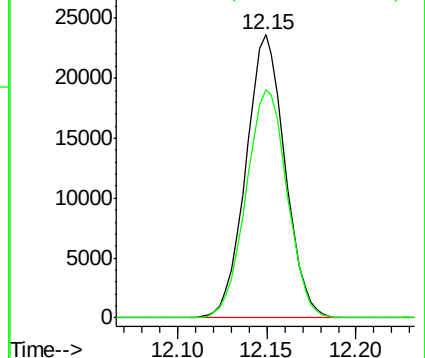
117 100

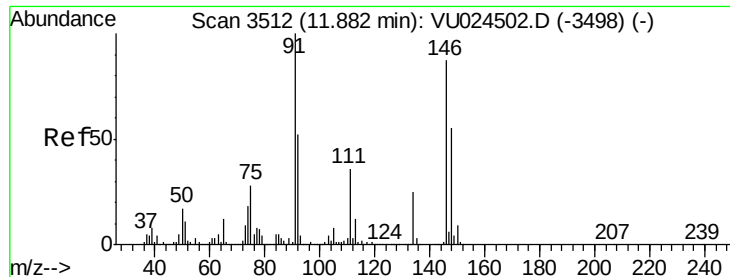
201 84.6 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU025210.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU025210.D (-3580) (-)





#91

1,2-Dichlorobenzene

Concen: 23.11 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

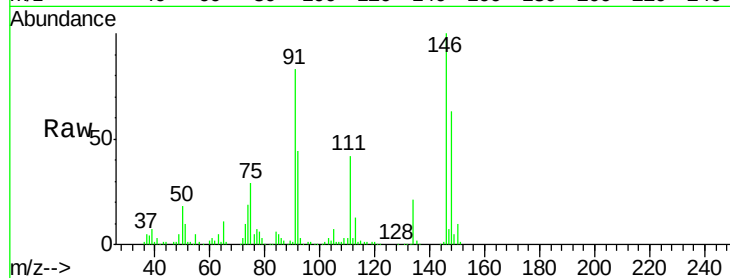
Tot Ion:146 Resp: 108086

Ion Ratio Lower Upper

146 100

111 41.9 20.5 61.6

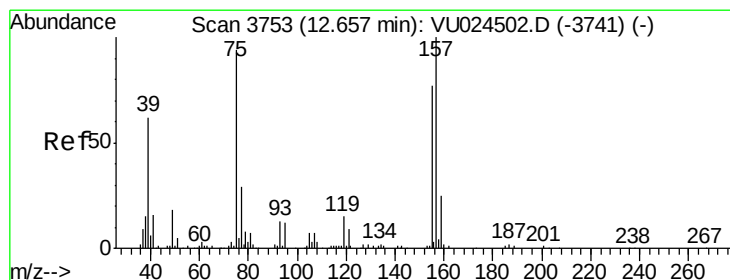
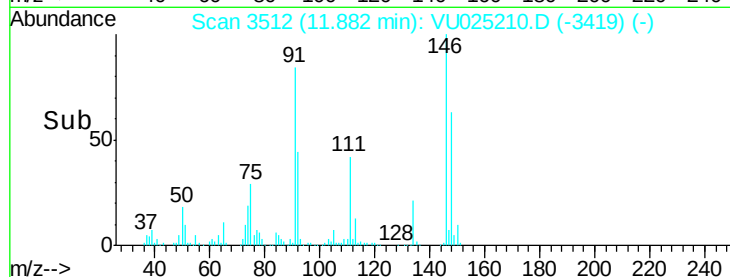
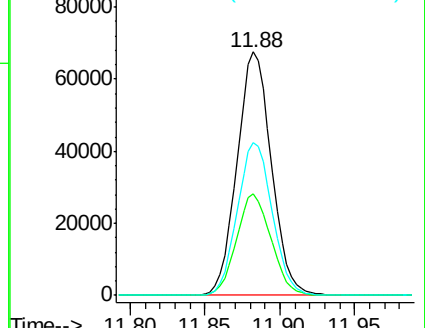
148 63.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.20 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

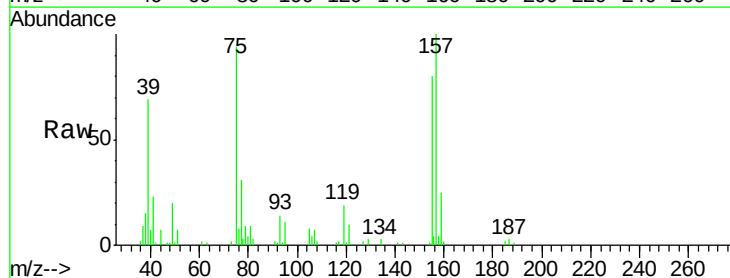
Tgt Ion: 75 Resp: 19571

Ion Ratio Lower Upper

75 100

155 85.6 40.4 121.2

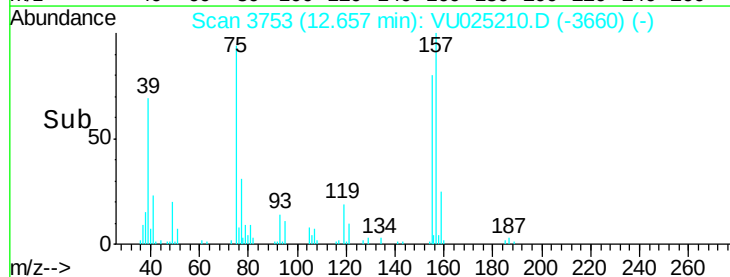
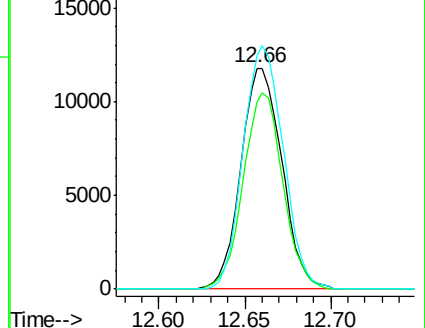
157 107.8 52.3 156.8

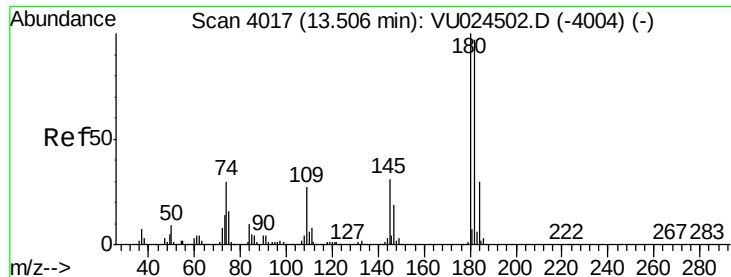


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

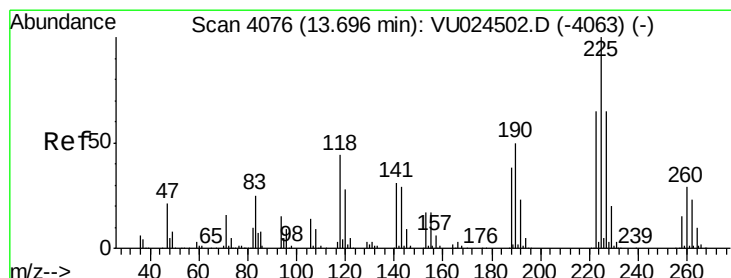
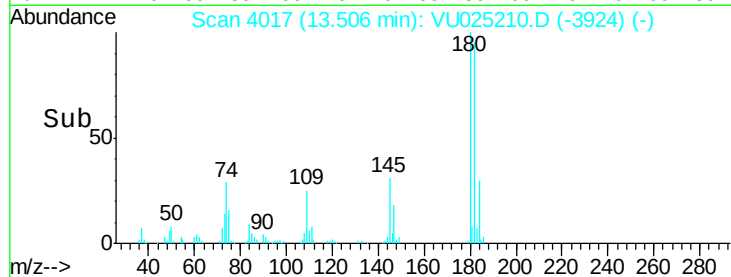
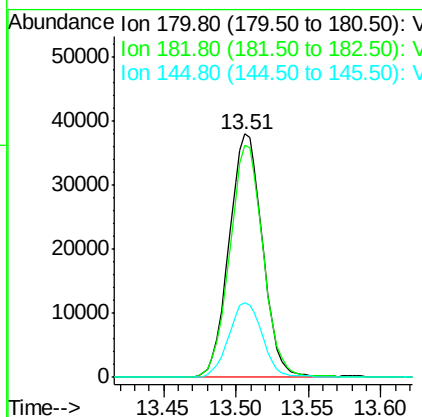
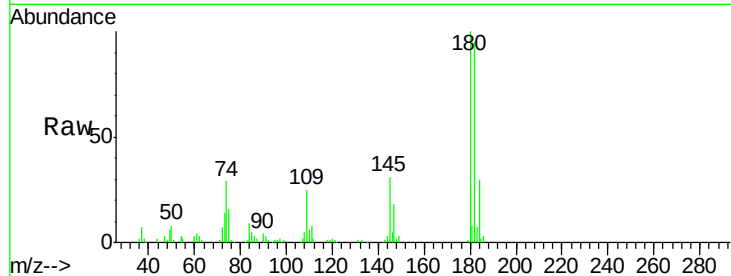




#93
 1,2,4-Trichlorobenzene
 Concen: 21.00 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

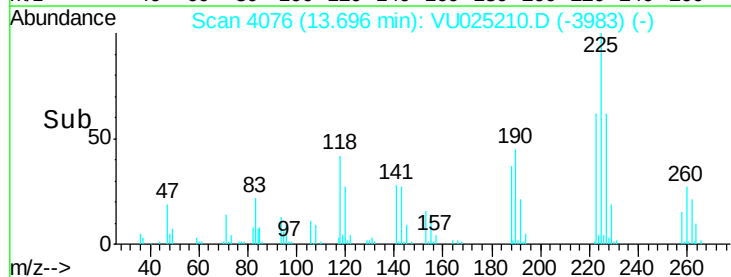
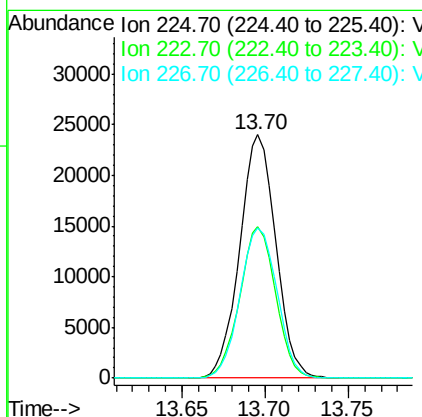
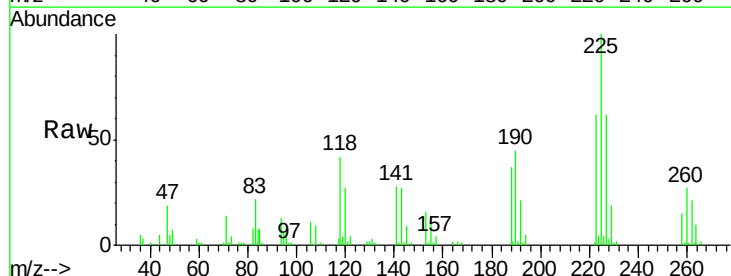
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0705WBS01

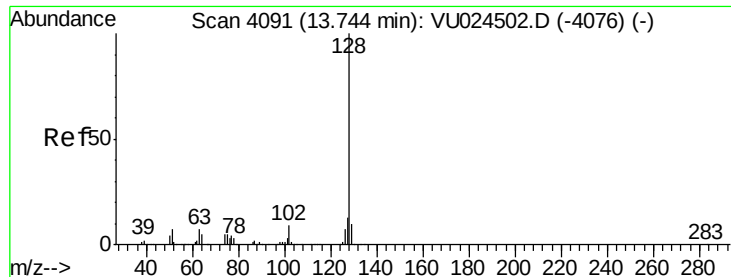
Tot Ion:180 Resp: 60664
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 30.7 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 22.45 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025210.D
 Acq: 05 Jul 2018 12:59

Tgt Ion:225 Resp: 36490
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.3 93.8
 227 63.1 31.8 95.4





#95

Naphthalene

Concen: 21.40 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

Instrument :

MSVOA_U

ClientSampleId :

VU0705WBS01

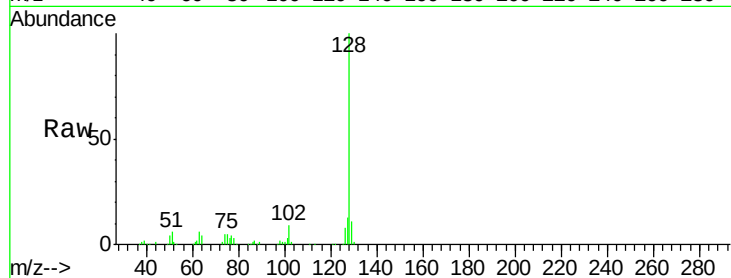
Tot Ion:128 Resp: 200833

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

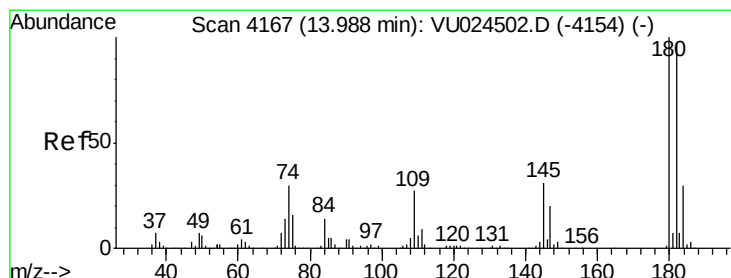
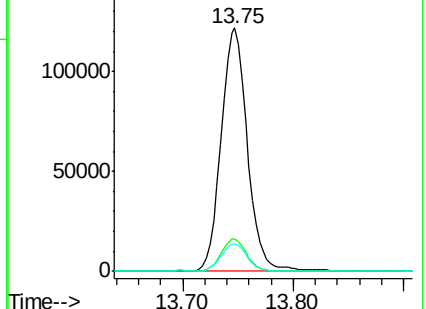
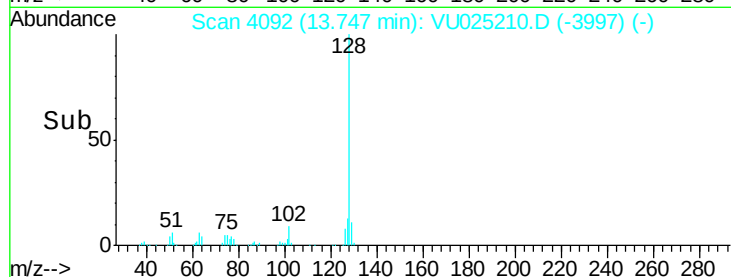
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.34 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025210.D

Acq: 05 Jul 2018 12:59

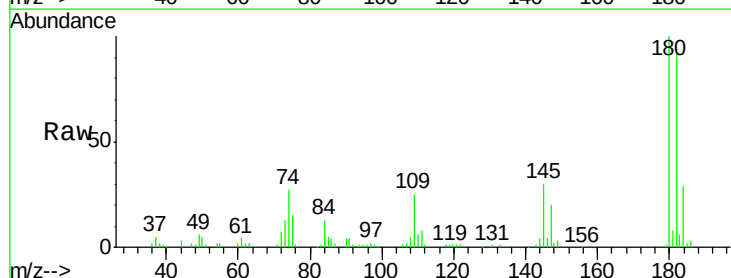
Tgt Ion:180 Resp: 67159

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.7

145 31.2 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

