

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024802.D
 Acq On : 21 Jun 2018 11:32
 Operator : MD/SY
 Sample : VU0621WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

Quant Time: Jun 21 15:21:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	168788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253790	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	238441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	138684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	119963	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
35) Dibromofluoromethane	4.89	113	96301	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
50) Toluene-d8	7.57	98	353309	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	10.31	95	137136	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	36950	17.49	ug/l	98
3) Chloromethane	1.33	50	41281	19.13	ug/l	97
4) Vinyl Chloride	1.40	62	42329	19.02	ug/l	95
5) Bromomethane	1.63	94	28988	26.94	ug/l	98
6) Chloroethane	1.70	64	27092	21.17	ug/l	99
7) Trichlorofluoromethane	1.89	101	71272	20.98	ug/l	99
8) Diethyl Ether	2.10	74	26580	21.94	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40229	19.09	ug/l	98
10) Methyl Iodide	2.41	142	33344	22.01	ug/l	97
11) Tert butyl alcohol	2.82	59	52907	78.95	ug/l	99
12) 1,1-Dichloroethene	2.29	96	37085	19.30	ug/l	90
13) Acrolein	2.19	56	54065	153.63	ug/l	97
14) Allyl chloride	2.59	41	62919	17.63	ug/l	97
15) Acrylonitrile	2.94	53	121433	93.13	ug/l	99
16) Acetone	2.32	43	129404	87.40	ug/l	97
17) Carbon Disulfide	2.48	76	109332	17.77	ug/l	99
18) Methyl Acetate	2.62	43	62938	19.83	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	138520	19.17	ug/l	96
20) Methylene Chloride	2.71	84	44409	19.12	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	40923	19.33	ug/l	94
22) Diisopropyl ether	3.57	45	137224	19.40	ug/l	94
23) Vinyl Acetate	3.53	43	602695	95.11	ug/l	99
24) 1,1-Dichloroethane	3.45	63	78116	19.20	ug/l	99
25) 2-Butanone	4.26	43	183319	92.18	ug/l	97
26) 2,2-Dichloropropane	4.23	77	72826	18.85	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	48269	19.83	ug/l	99
28) Bromochloromethane	4.55	49	31287	17.45	ug/l	90
29) Tetrahydrofuran	4.63	42	112299	91.19	ug/l	97
30) Chloroform	4.68	83	81318	19.74	ug/l	96
31) Cyclohexane	5.00	56	76431	19.96	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	72650	19.07	ug/l	97
36) 1,1-Dichloropropene	5.14	75	59810	20.06	ug/l	97
37) Ethyl Acetate	4.38	43	65175	20.05	ug/l	96
38) Carbon Tetrachloride	5.14	117	65761	20.05	ug/l	99

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Quant Time: Jun 21 15:21:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	78433	21.08	ug/l	96
40) Benzene	5.39	78	178221	20.97	ug/l	99
41) Methacrylonitrile	4.54	41	36272	20.70	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68510	21.17	ug/l	100
43) Isopropyl Acetate	5.55	43	108087	19.24	ug/l	99
44) Trichloroethene	6.19	130	49428	20.44	ug/l	94
45) 1,2-Dichloropropane	6.44	63	46835	20.66	ug/l	96
46) Dibromomethane	6.56	93	33996	21.35	ug/l	95
47) Bromodichloromethane	6.76	83	64006	20.18	ug/l	100
48) Methyl methacrylate	6.63	41	55853	20.42	ug/l	99
49) 1,4-Dioxane	6.62	88	23820	445.21	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	344591	97.62	ug/l	99
52) Toluene	7.64	92	115731	21.17	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	69496	19.51	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	75403	19.87	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	45791	20.60	ug/l	96
56) Ethyl methacrylate	8.02	69	74296	19.97	ug/l	99
57) 1,3-Dichloropropane	8.25	76	78988	21.07	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	118793	83.36	ug/l	96
59) 2-Hexanone	8.36	43	273899	95.05	ug/l	98
60) Dibromochloromethane	8.48	129	51739	18.67	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51509	20.82	ug/l	98
64) Tetrachloroethene	8.23	164	45396	20.03	ug/l	97
65) Chlorobenzene	9.12	112	129591	21.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48780	21.08	ug/l	98
67) Ethyl Benzene	9.25	91	222300	20.82	ug/l	97
68) m/p-Xylenes	9.38	106	172981	42.18	ug/l	97
69) o-Xylene	9.78	106	85382	21.04	ug/l	99
70) Styrene	9.80	104	136598	20.48	ug/l	100
71) Bromoform	9.96	173	40780	18.54	ug/l #	100
73) Isopropylbenzene	10.17	105	232275	21.81	ug/l	99
74) N-amyl acetate	10.01	43	100306	19.81	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	74900	20.99	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	85277	27.93	ug/l	82
77) Bromobenzene	10.45	156	57701	21.41	ug/l	94
78) n-propylbenzene	10.59	91	263801	21.03	ug/l	97
79) 2-Chlorotoluene	10.66	91	156766	21.19	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	199214	21.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	85277	64.64	ug/l #	100
82) 4-Chlorotoluene	10.78	91	181795	21.12	ug/l	100
83) tert-Butylbenzene	11.10	119	200100	22.54	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	205918	21.89	ug/l	100
85) sec-Butylbenzene	11.33	105	240484	21.64	ug/l	97
86) p-Isopropyltoluene	11.48	119	215174	21.62	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105263	21.14	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	105672	21.08	ug/l	99
89) n-Butylbenzene	11.89	91	178949	20.25	ug/l	98
90) Hexachloroethane	12.15	117	38072	19.61	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	106786	21.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19000	19.30	ug/l	94

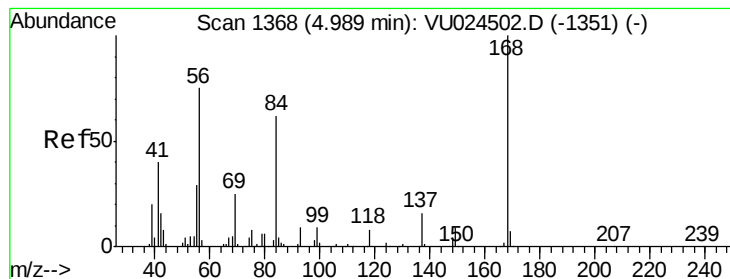
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72372	23.49	ug/l	99
94) Hexachlorobutadiene	13.70	225	39229	22.63	ug/l	100
95) Naphthalene	13.74	128	232719	23.19	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76863	25.04	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

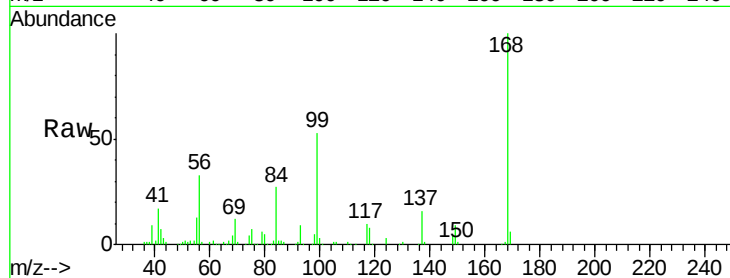
VU0621WBS01

Tot Ion:168 Resp: 168788

Ion Ratio Lower Upper

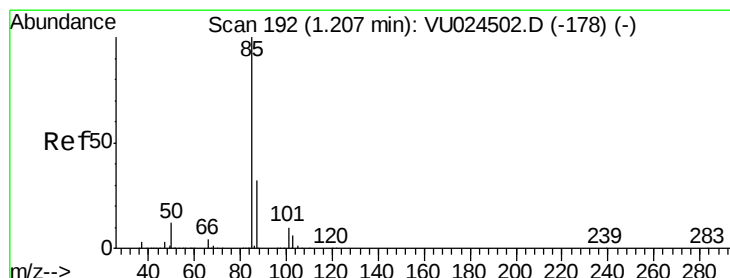
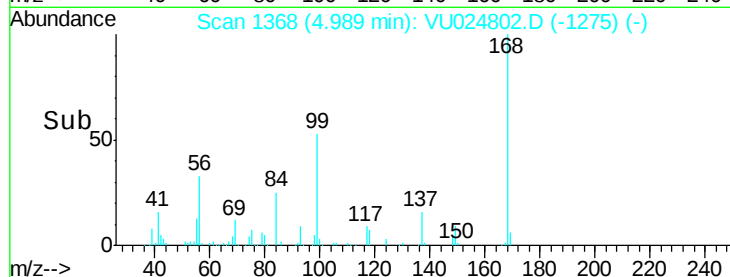
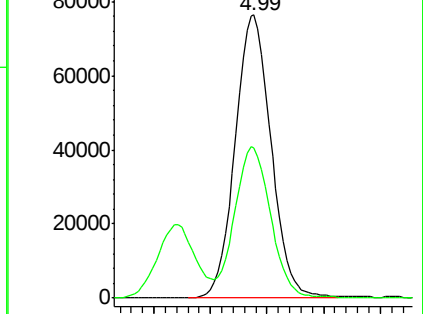
168 100

99 52.5 43.2 64.8



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

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



#2

Dichlorodifluoromethane

Concen: 17.49 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024802.D

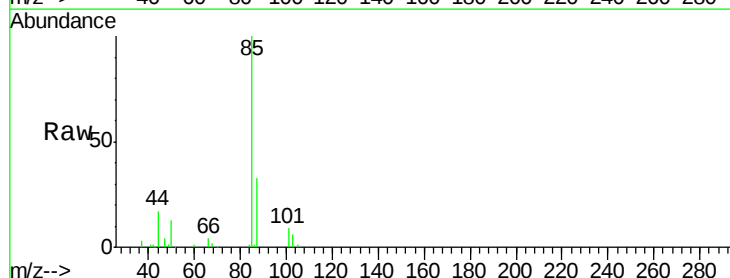
Acq: 21 Jun 2018 11:32

Tgt Ion: 85 Resp: 36950

Ion Ratio Lower Upper

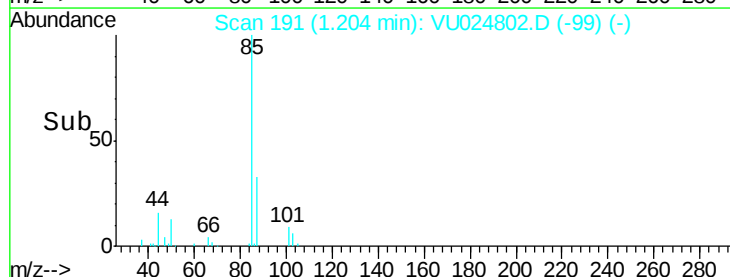
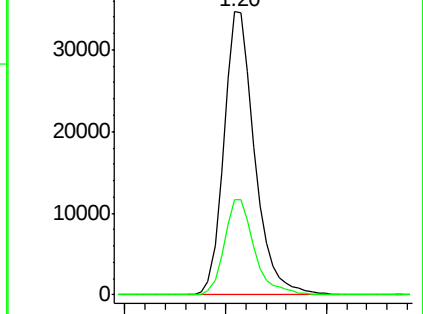
85 100

87 33.5 16.1 48.2



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

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





#3

Chloromethane

Concen: 19.13 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

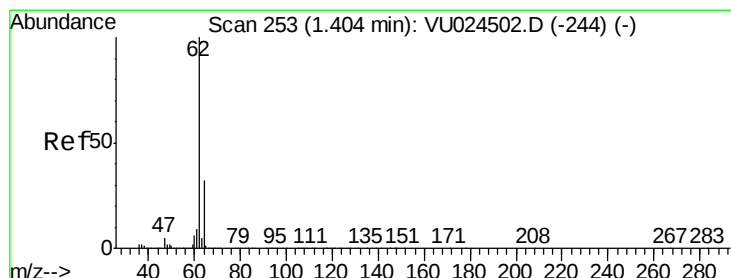
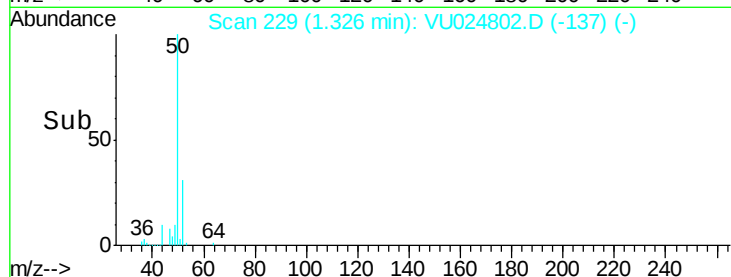
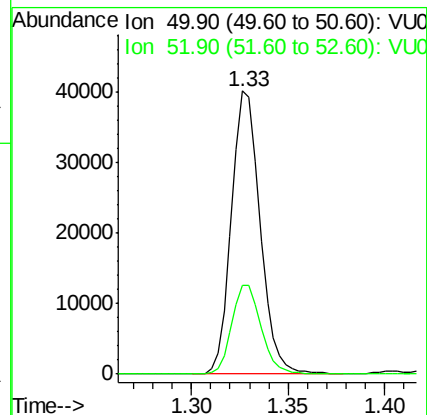
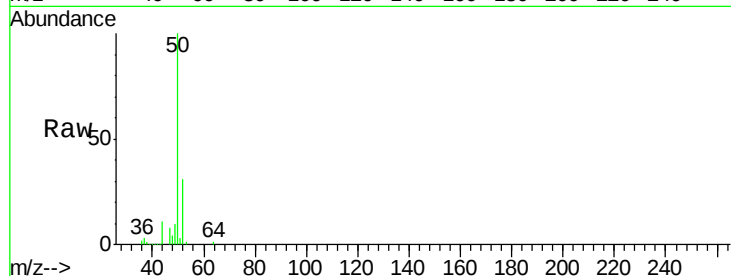
VU0621WBS01

Tot Ion: 50 Resp: 41281

Ion Ratio Lower Upper

50 100

52 31.5 26.4 39.6



#4

Vinyl Chloride

Concen: 19.02 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024802.D

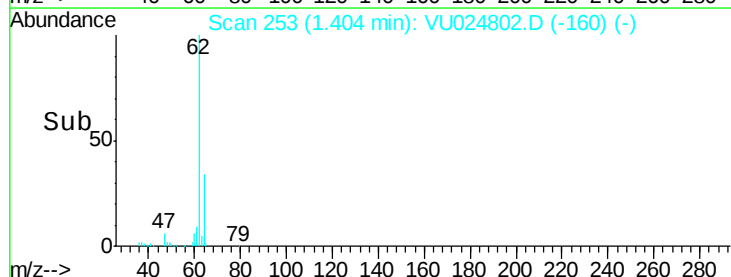
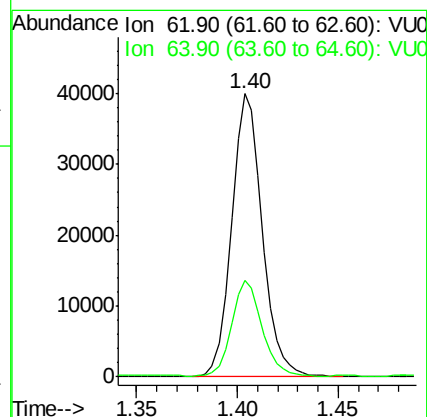
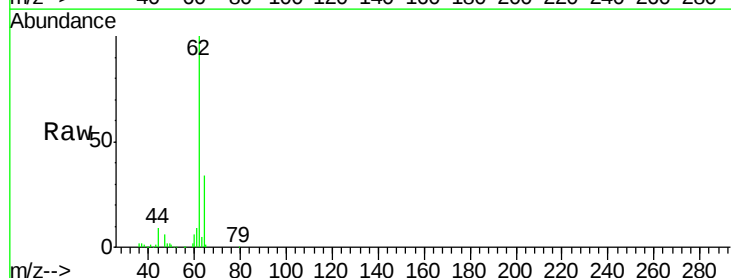
Acq: 21 Jun 2018 11:32

Tgt Ion: 62 Resp: 42329

Ion Ratio Lower Upper

62 100

64 33.8 24.8 37.2





#5

Bromomethane

Concen: 26.94 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

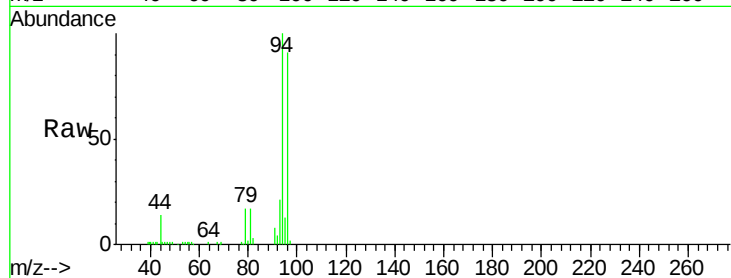
VU0621WBS01

Tot Ion: 94 Resp: 28988

Ion Ratio Lower Upper

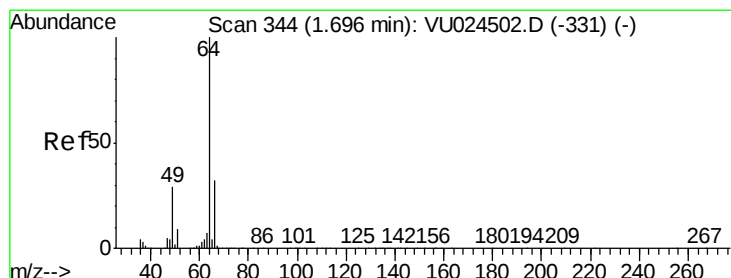
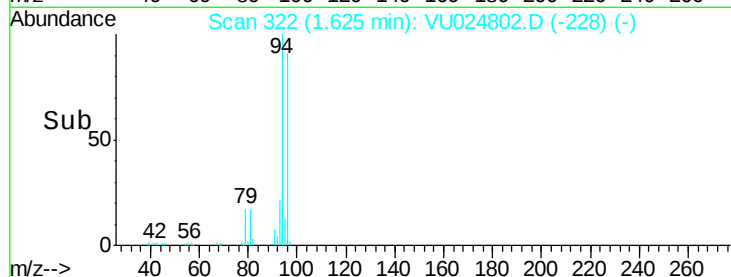
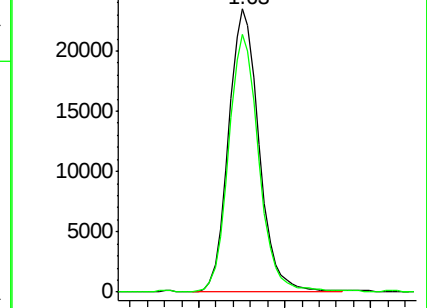
94 100

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: 21.17 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024802.D

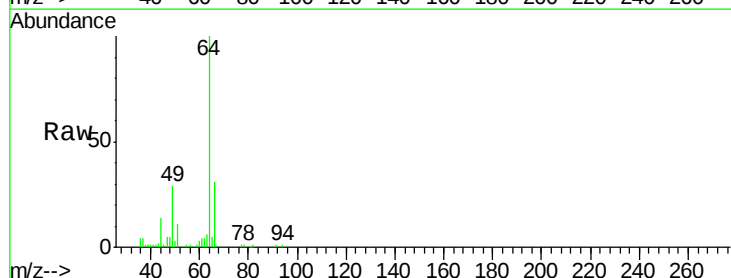
Acq: 21 Jun 2018 11:32

Tgt Ion: 64 Resp: 27092

Ion Ratio Lower Upper

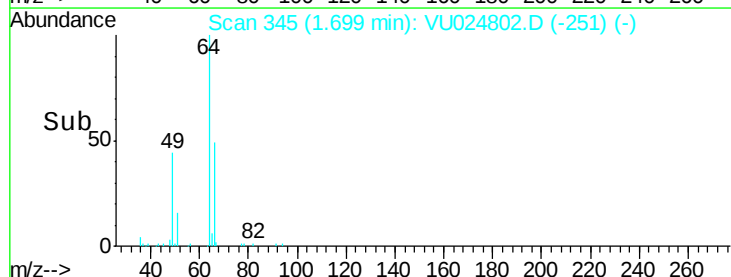
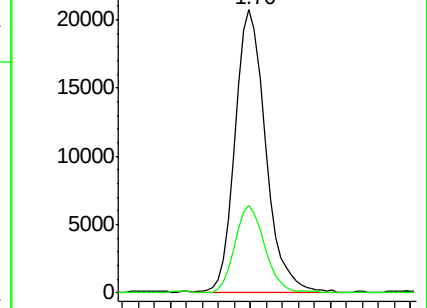
64 100

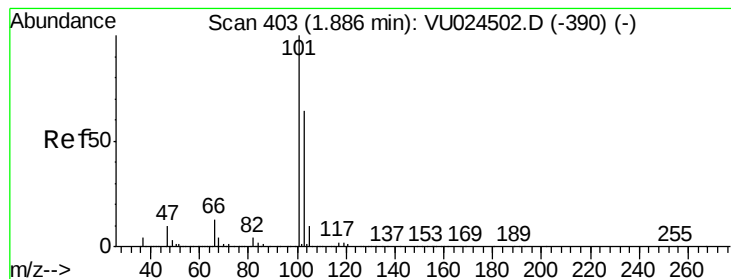
66 31.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 20.98 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

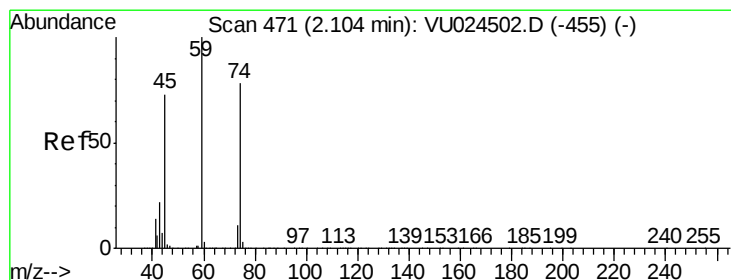
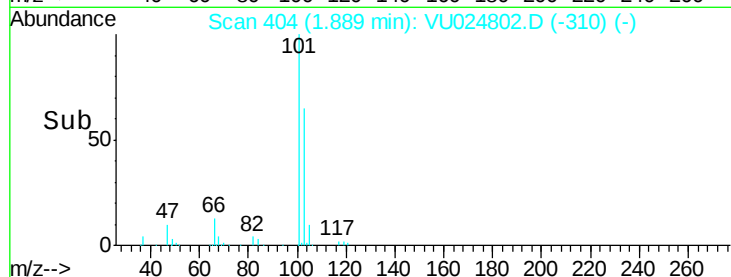
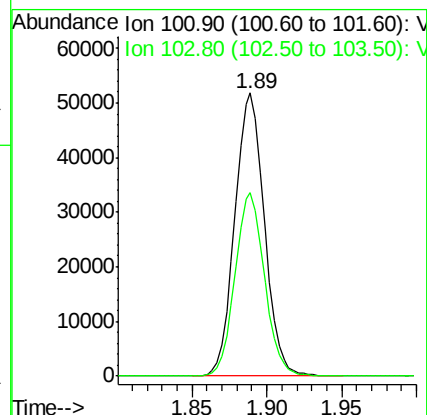
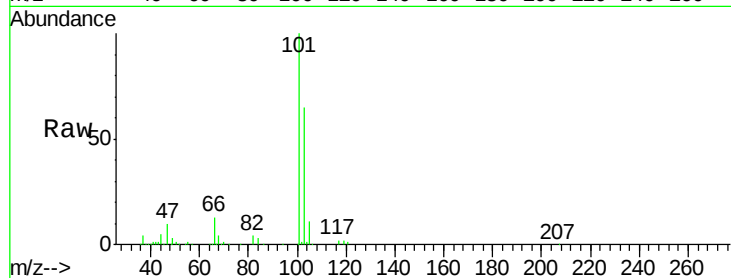
VU0621WBS01

Tot Ion:101 Resp: 71272

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5



#8

Diethyl Ether

Concen: 21.94 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024802.D

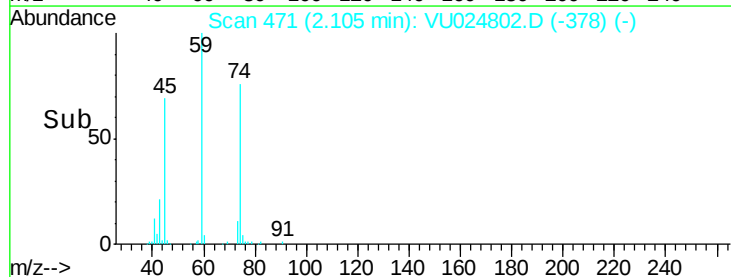
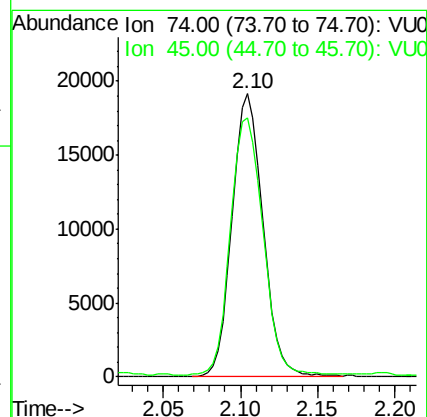
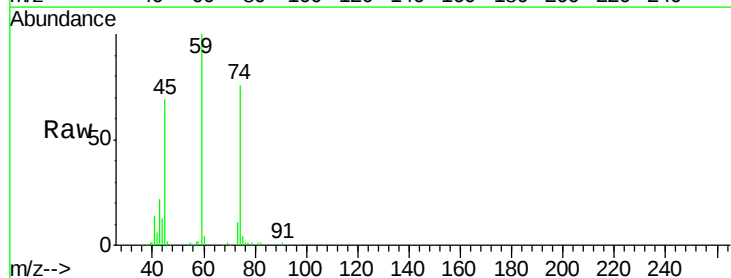
Acq: 21 Jun 2018 11:32

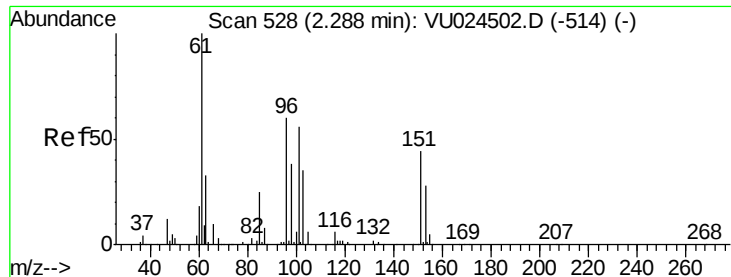
Tgt Ion: 74 Resp: 26580

Ion Ratio Lower Upper

74 100

45 95.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

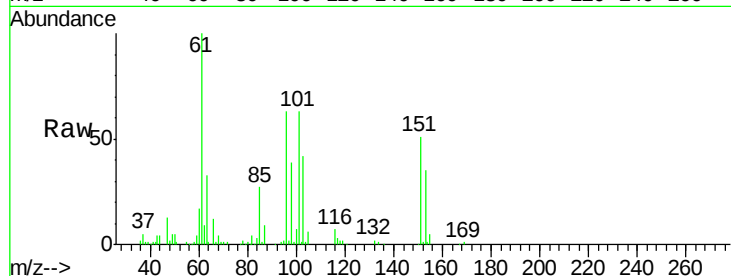
Tot Ion:101 Resp: 40229

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

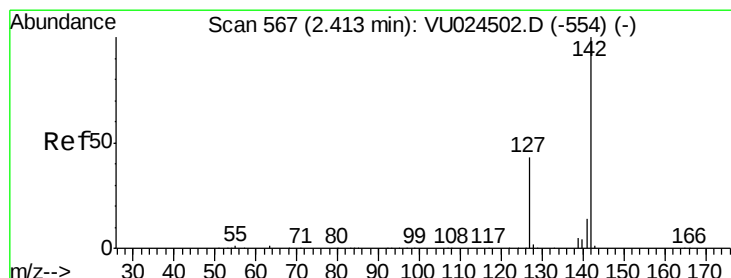
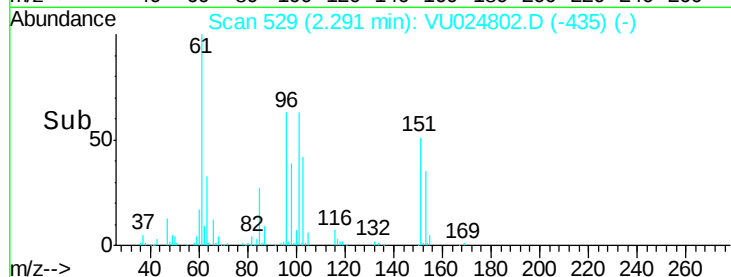
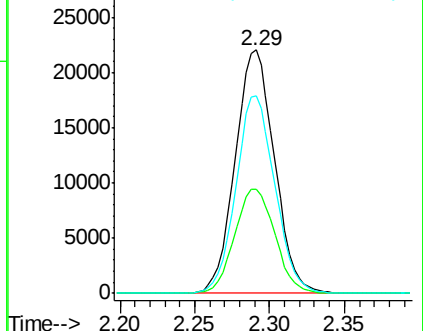
151 80.4 62.3 93.5



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: 22.01 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

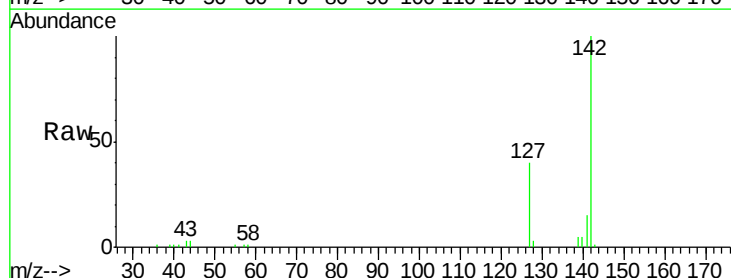
Tgt Ion:142 Resp: 33344

Ion Ratio Lower Upper

142 100

127 41.9 35.6 53.4

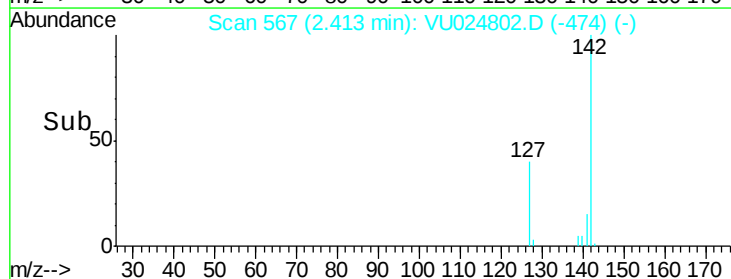
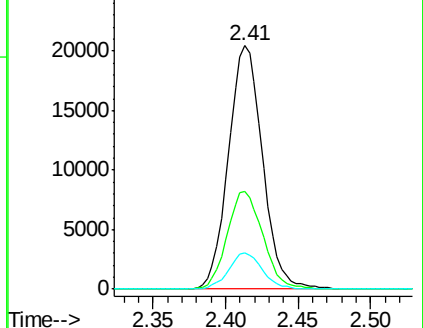
141 14.6 11.7 17.5



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



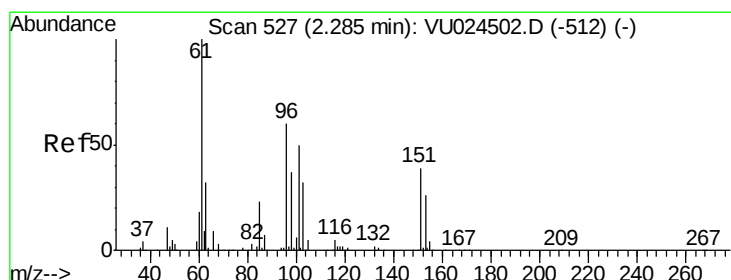
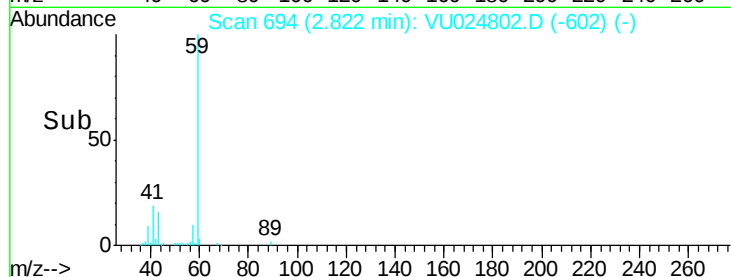
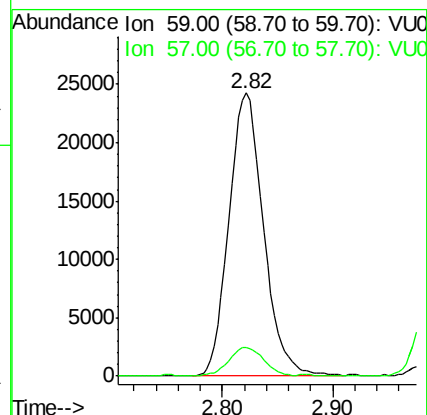
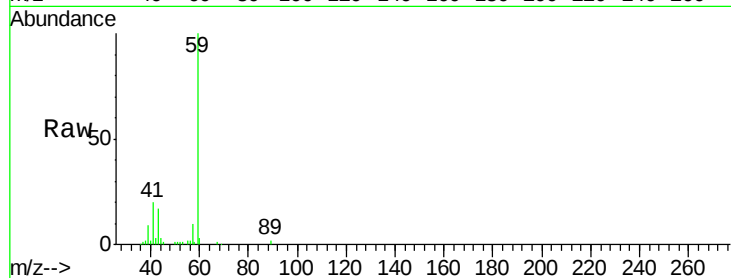


#11

Tert butyl alcohol
 Concen: 78.95 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

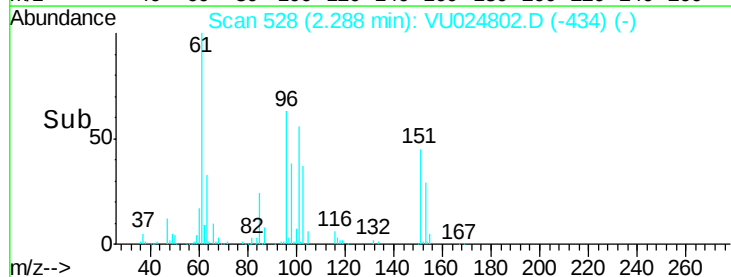
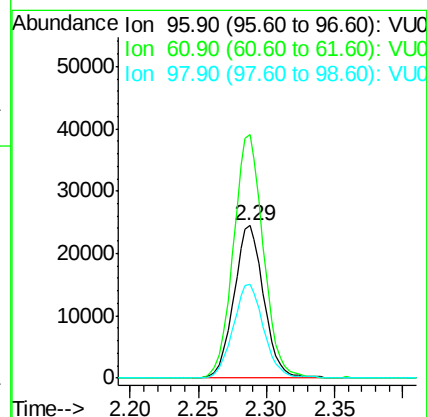
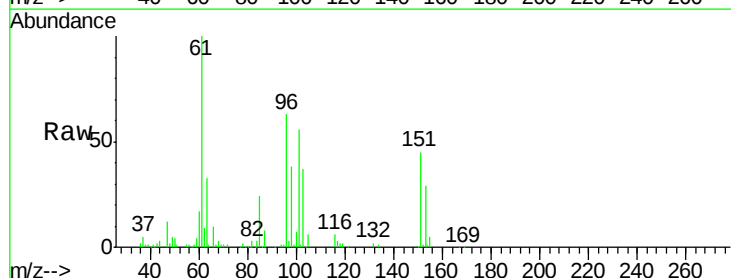
Tot Ion: 59 Resp: 52907
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

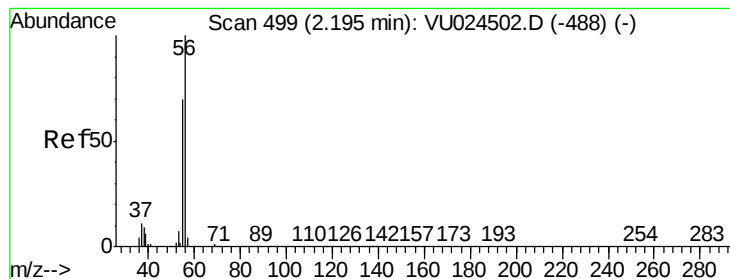


#12

1,1-Dichloroethene
 Concen: 19.30 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion: 96 Resp: 37085
 Ion Ratio Lower Upper
 96 100
 61 159.9 141.7 212.5
 98 61.5 51.6 77.4





#13

Acrolein

Concen: 153.63 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

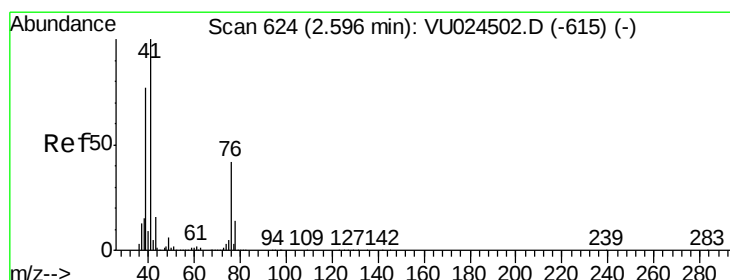
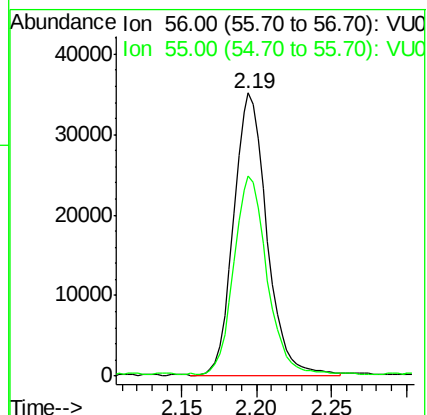
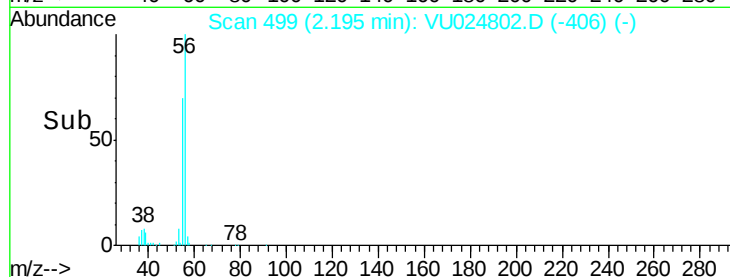
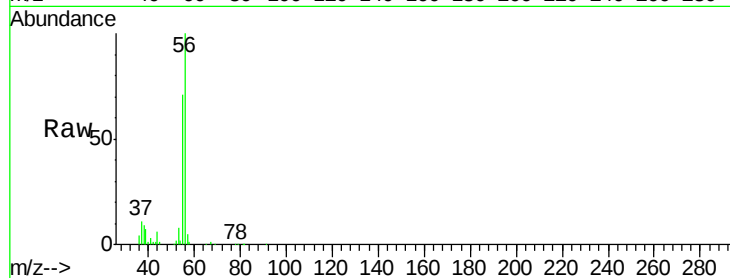
VU0621WBS01

Tot Ion: 56 Resp: 54065

Ion Ratio Lower Upper

56 100

55 70.3 58.4 87.6



#14

Allyl chloride

Concen: 17.63 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

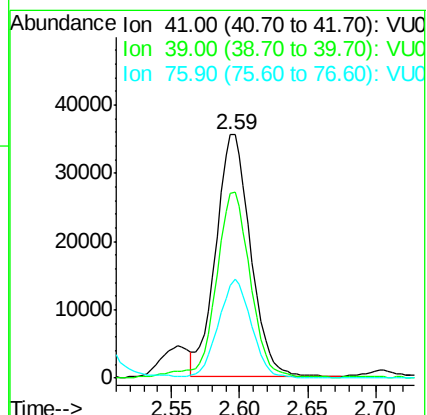
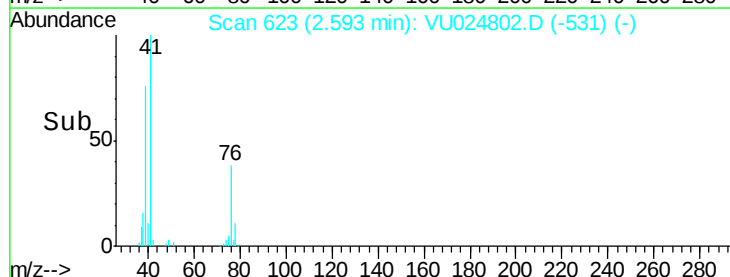
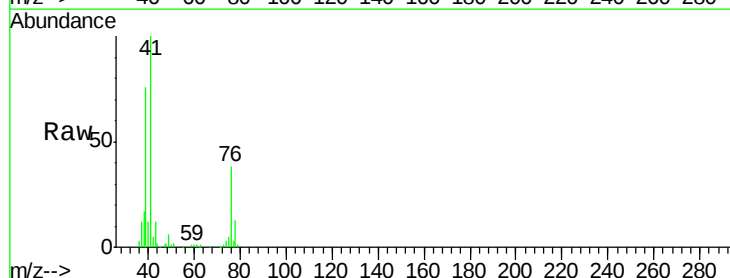
Tgt Ion: 41 Resp: 62919

Ion Ratio Lower Upper

41 100

39 74.8 61.6 92.4

76 38.8 29.7 44.5





#15

Acrylonitrile

Concen: 93.13 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

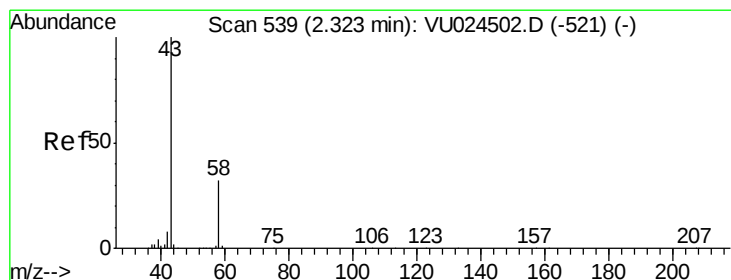
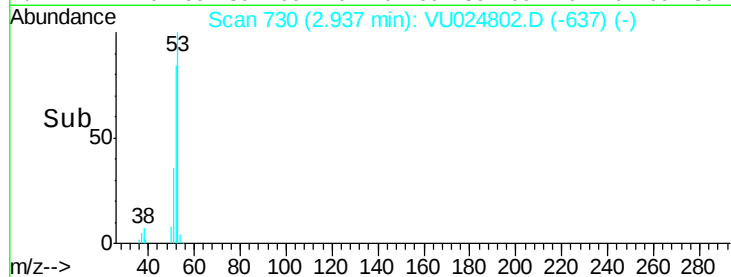
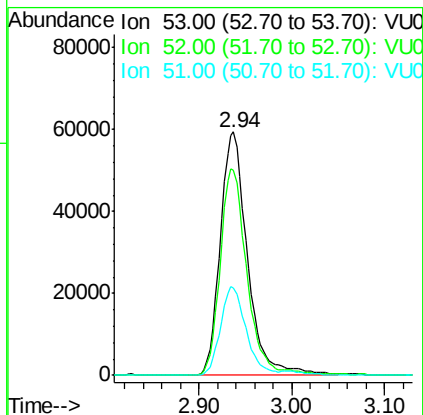
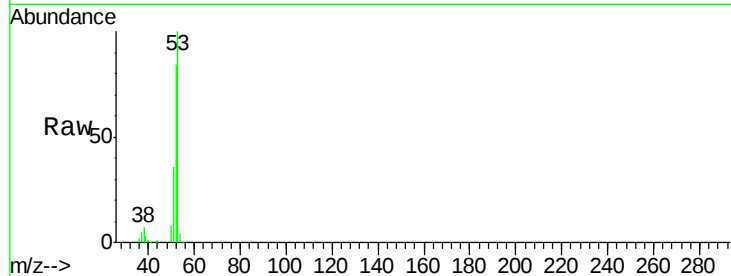
Tot Ion: 53 Resp: 121433

Ion Ratio Lower Upper

53 100

52 83.0 67.1 100.7

51 34.2 28.4 42.6



#16

Acetone

Concen: 87.40 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024802.D

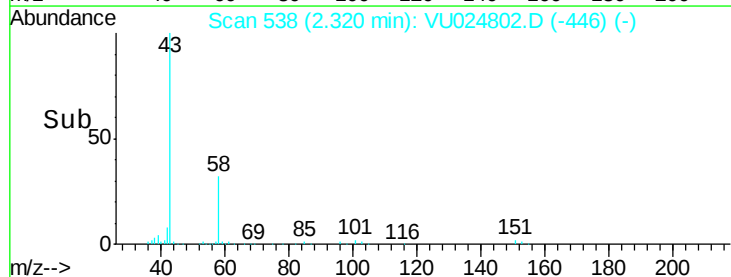
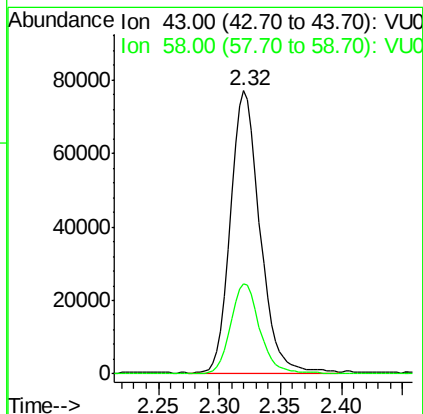
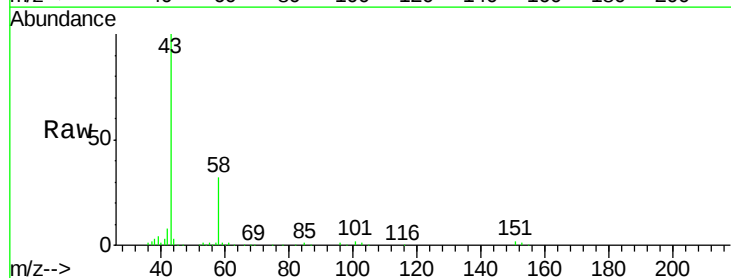
Acq: 21 Jun 2018 11:32

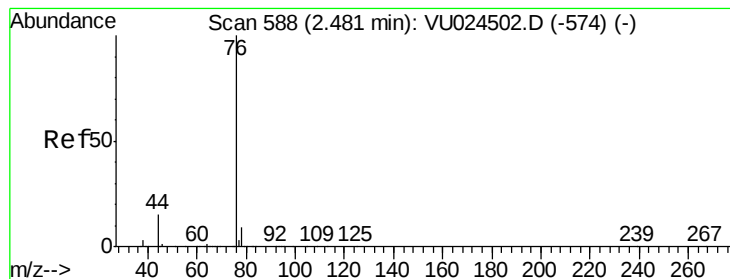
Tgt Ion: 43 Resp: 129404

Ion Ratio Lower Upper

43 100

58 31.9 24.4 36.6





#17

Carbon Disulfide

Concen: 17.77 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

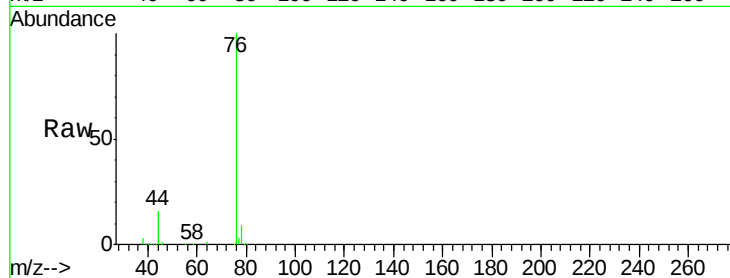
VU0621WBS01

Tot Ion: 76 Resp: 109332

Ion Ratio Lower Upper

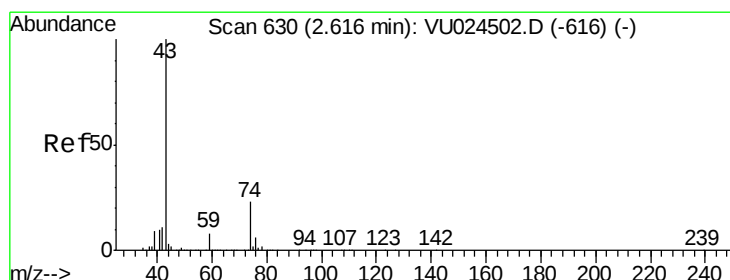
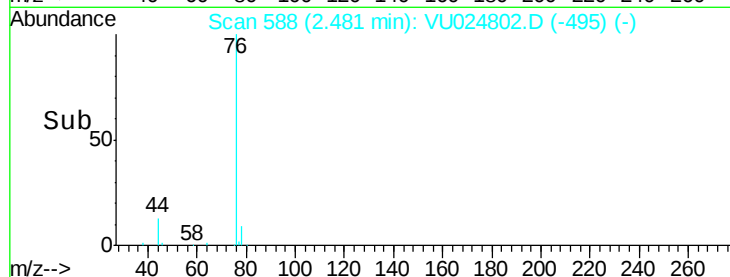
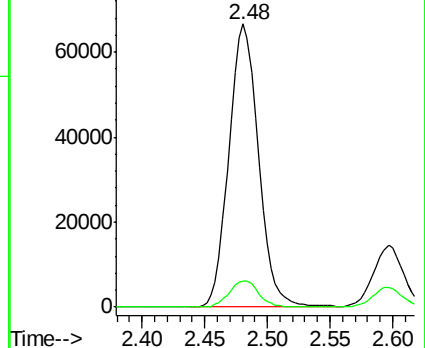
76 100

78 9.2 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: 19.83 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024802.D

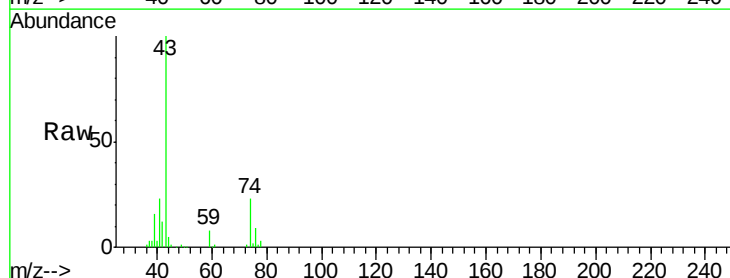
Acq: 21 Jun 2018 11:32

Tgt Ion: 43 Resp: 62938

Ion Ratio Lower Upper

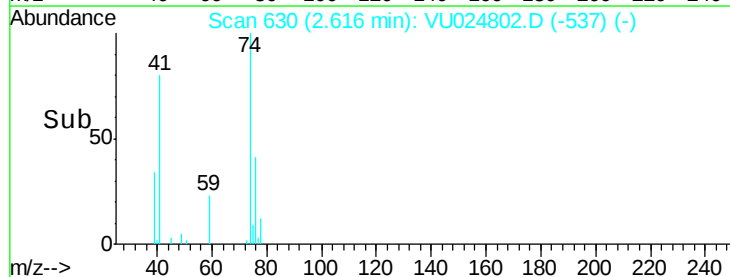
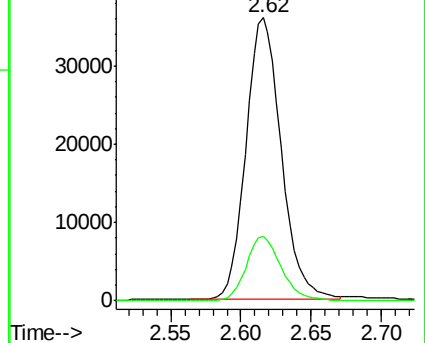
43 100

74 22.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

Methyl tert-butyl Ether

Concen: 19.17 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

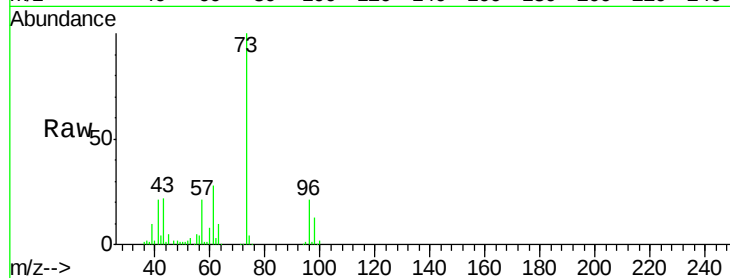
VU0621WBS01

Tot Ion: 73 Resp: 138520

Ion Ratio Lower Upper

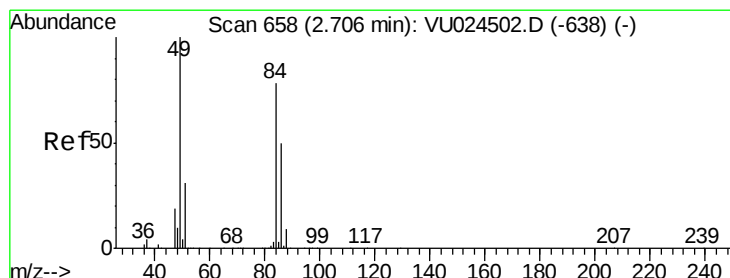
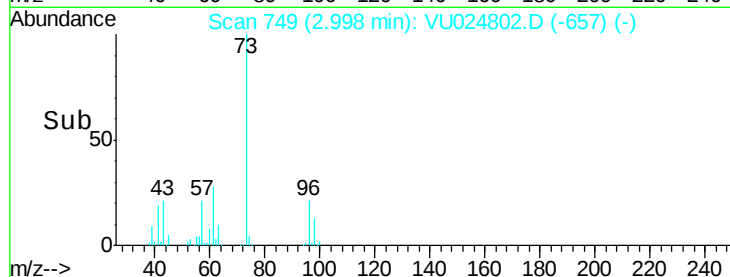
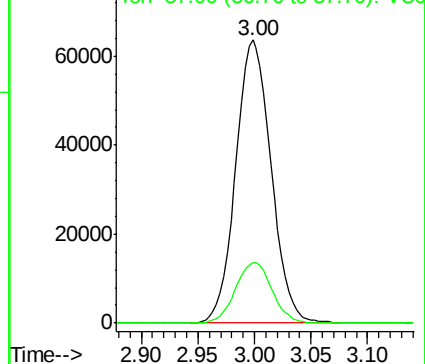
73 100

57 21.4 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#20

Methylene Chloride

Concen: 19.12 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Tgt Ion: 84 Resp: 44409

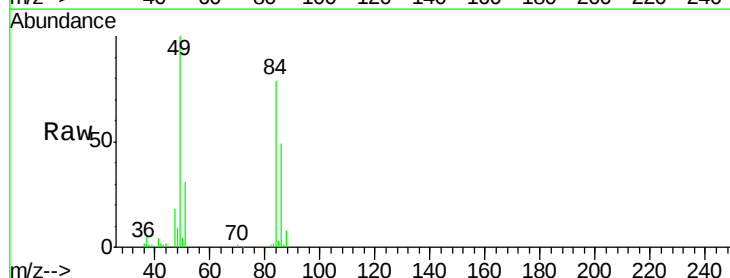
Ion Ratio Lower Upper

84 100

49 126.6 103.8 155.8

51 39.1 32.0 48.0

86 62.6 51.6 77.4

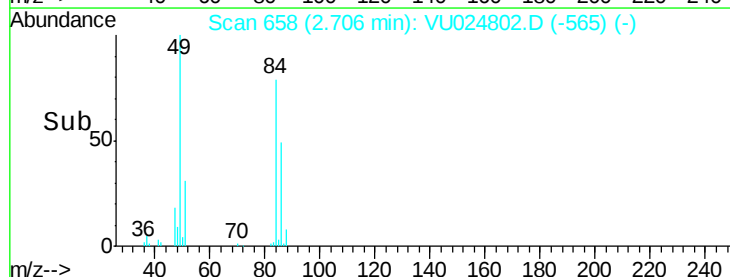
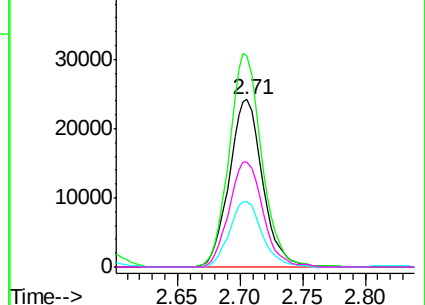


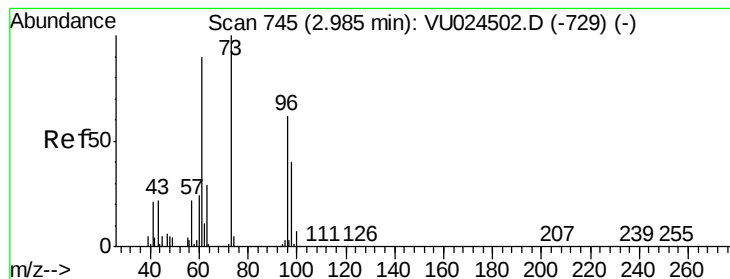
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 19.33 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

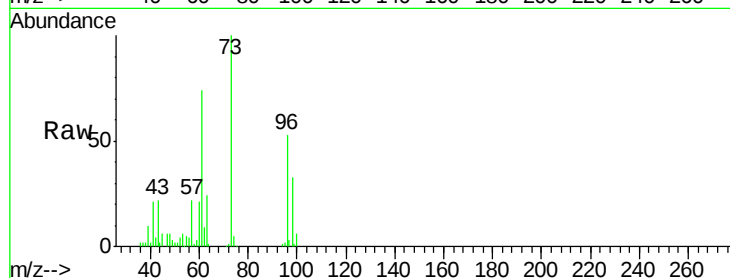
Tot Ion: 96 Resp: 40923

Ion Ratio Lower Upper

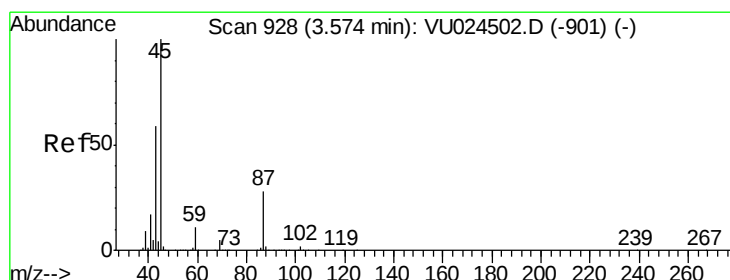
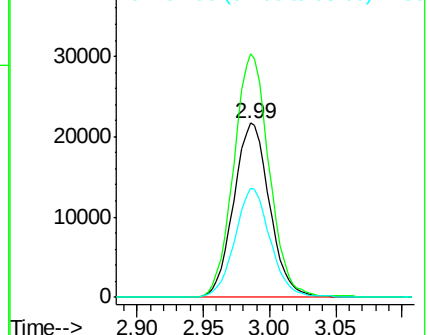
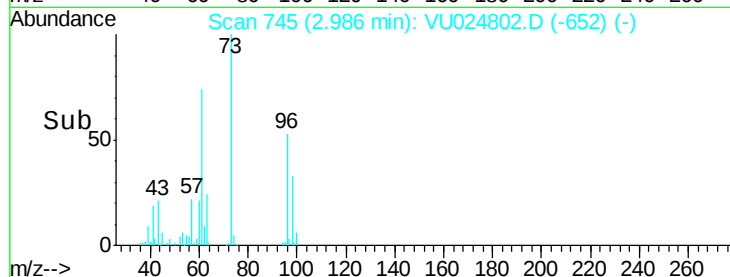
96 100

61 139.8 119.4 179.0

98 63.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024802.D (-652) (-)



#22

Diisopropyl ether

Concen: 19.40 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Tgt Ion: 45 Resp: 137224

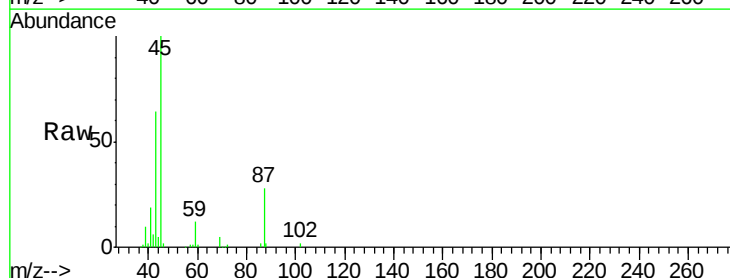
Ion Ratio Lower Upper

45 100

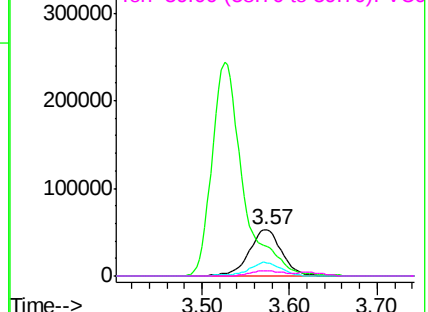
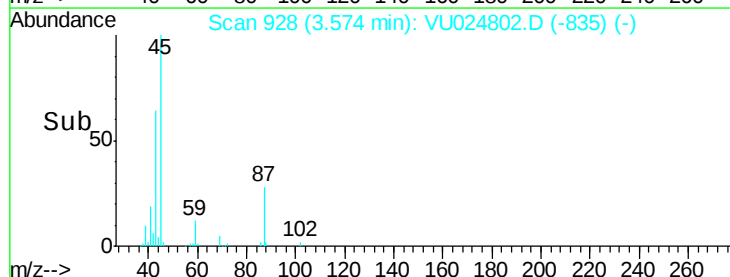
43 62.4 45.8 68.6

87 28.3 20.6 31.0

59 11.9 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024802.D (-835) (-)





#23

Vinyl Acetate

Concen: 95.11 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

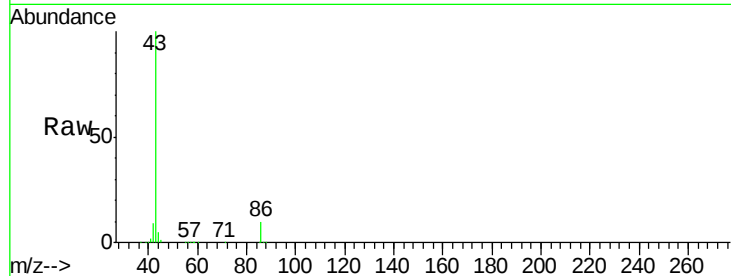
VU0621WBS01

Tot Ion: 43 Resp: 602695

Ion Ratio Lower Upper

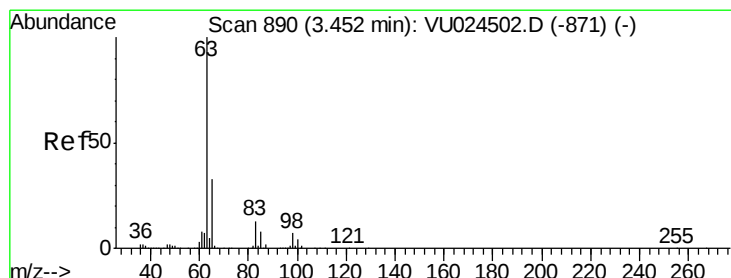
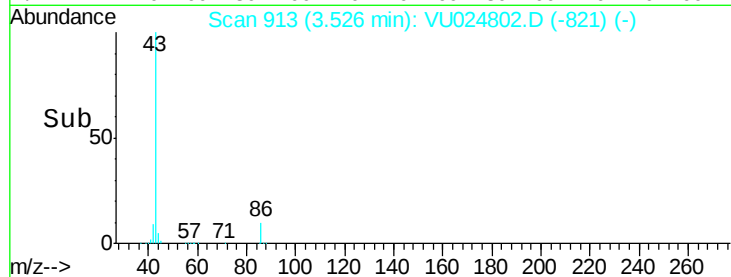
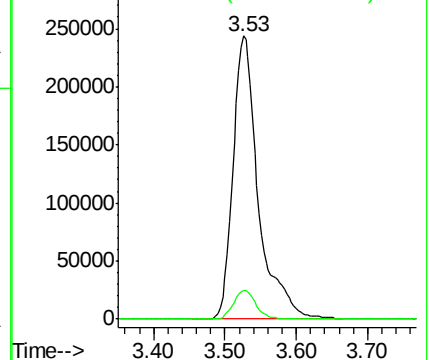
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 19.20 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

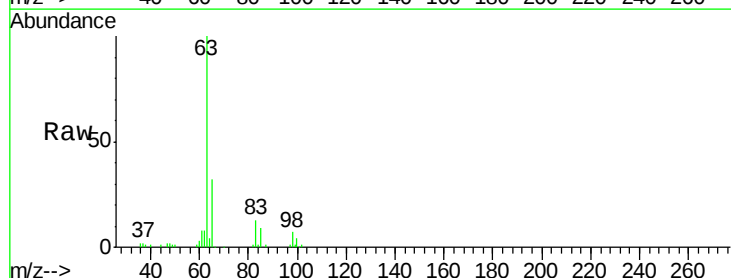
Tgt Ion: 63 Resp: 78116

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

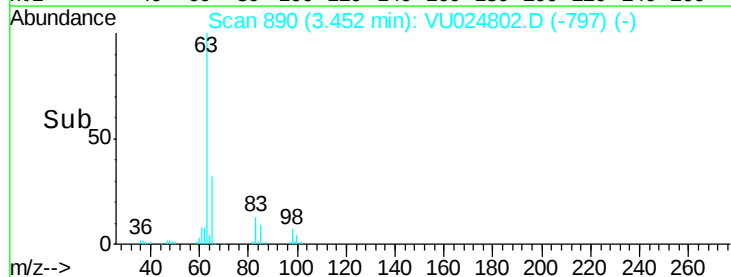
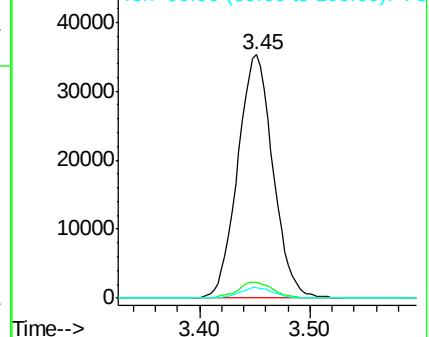
100 4.4 1.8 5.5

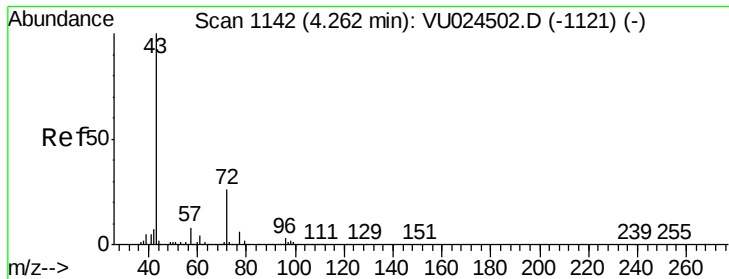


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

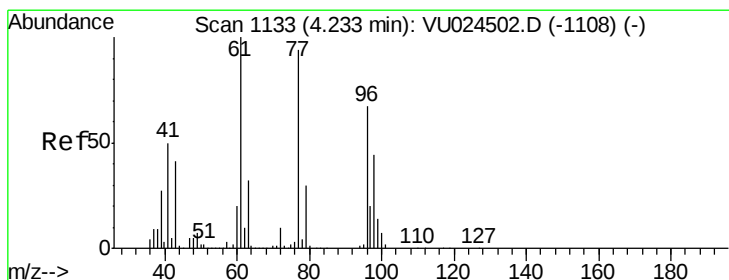
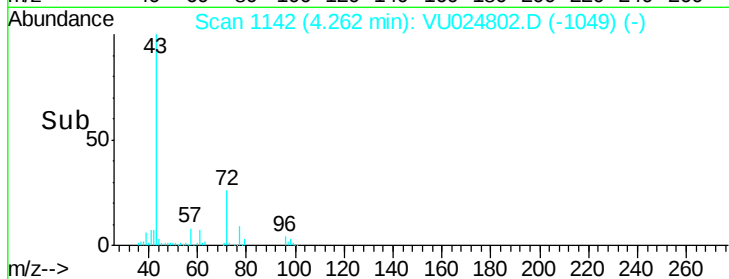
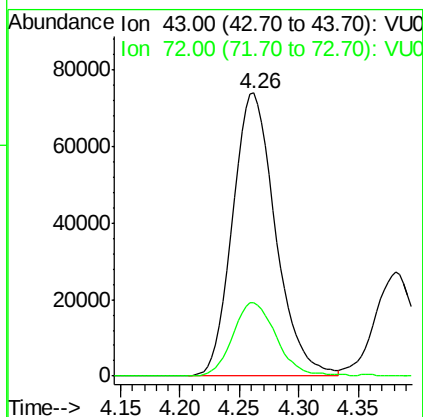
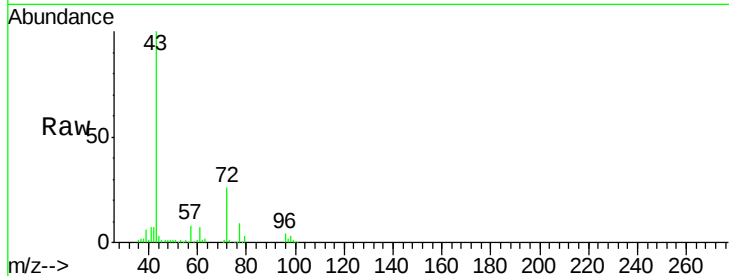




#25
2-Butanone
Concen: 92.18 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

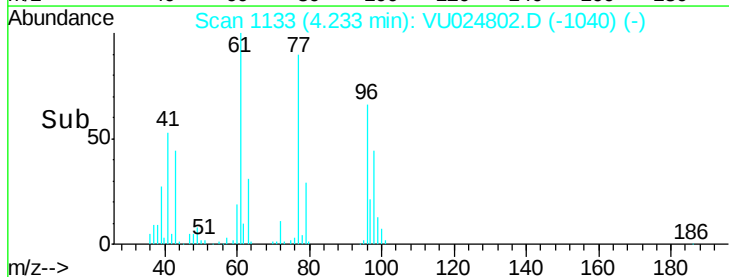
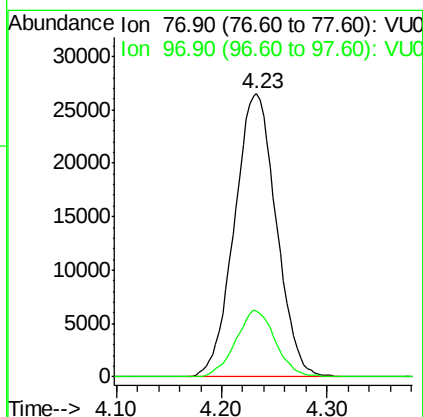
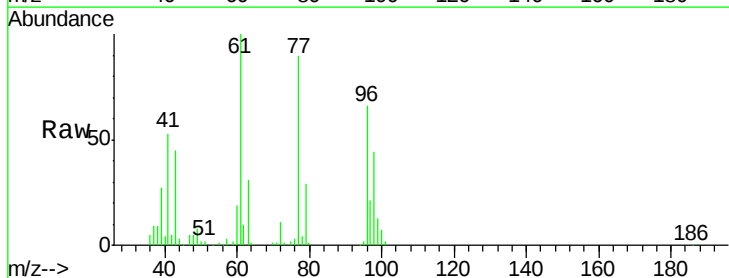
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

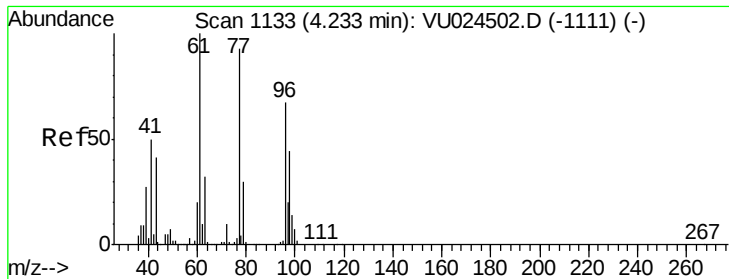
Tot Ion: 43 Resp: 183319
Ion Ratio Lower Upper
43 100
72 25.9 19.6 29.4



#26
2,2-Dichloropropane
Concen: 18.85 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion: 77 Resp: 72826
Ion Ratio Lower Upper
77 100
97 22.4 11.3 33.8

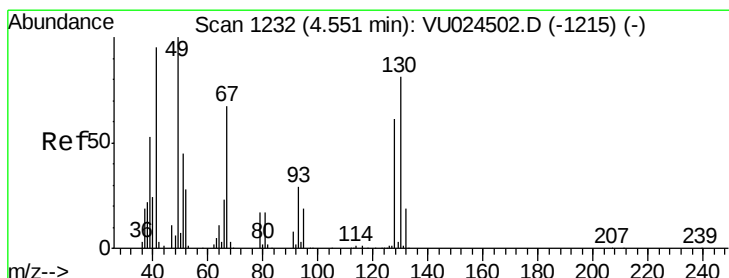
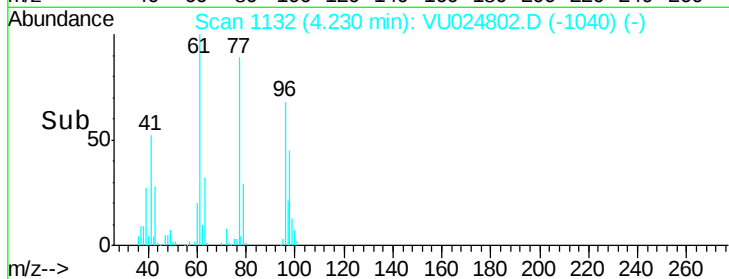
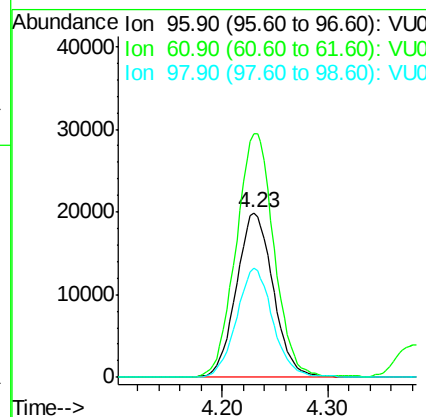
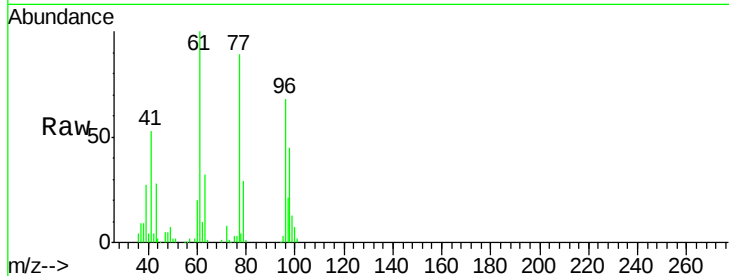




#27
 cis-1,2-Dichloroethene
 Concen: 19.83 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

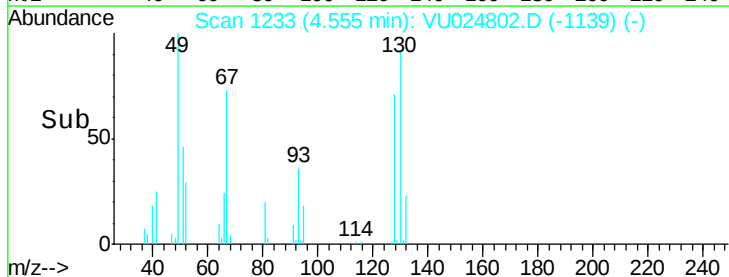
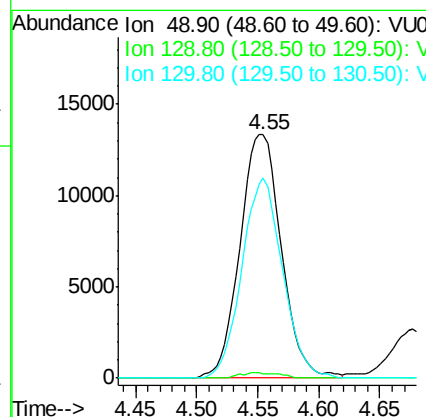
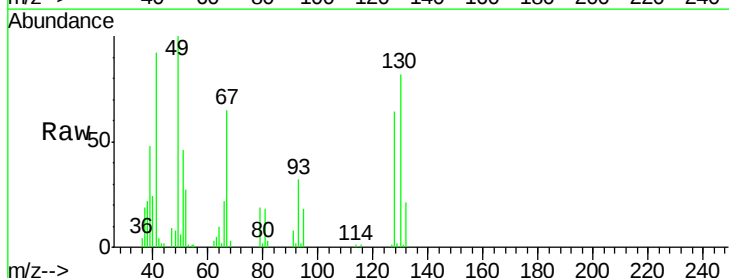
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

Tot Ion: 96 Resp: 48269
 Ion Ratio Lower Upper
 96 100
 61 152.8 0.0 306.6
 98 65.3 0.0 128.8



#28
 Bromochloromethane
 Concen: 17.45 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion: 49 Resp: 31287
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.8
 130 80.6 57.8 86.6

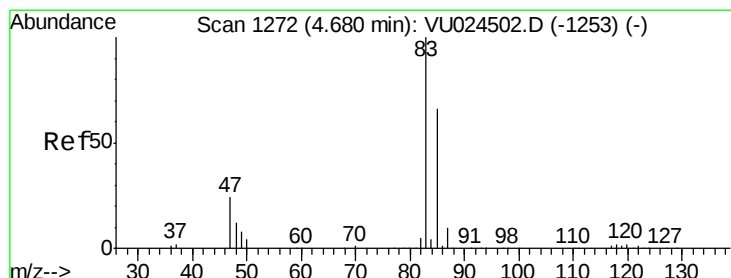
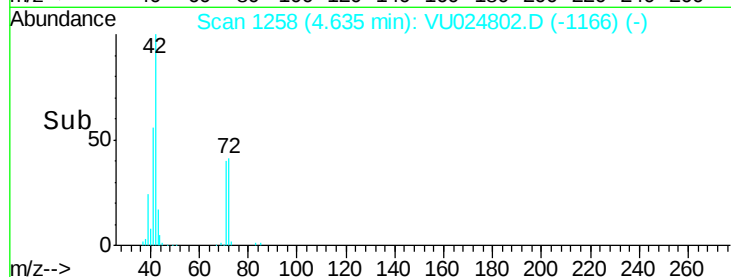
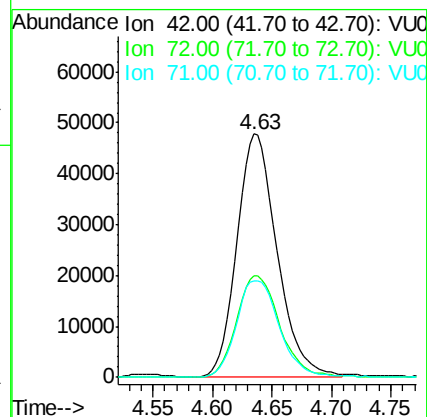
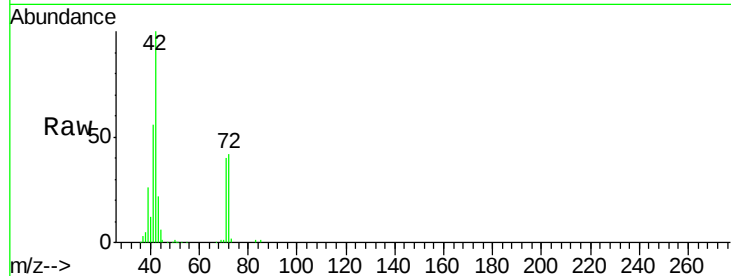




#29
Tetrahydrofuran
Concen: 91.19 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

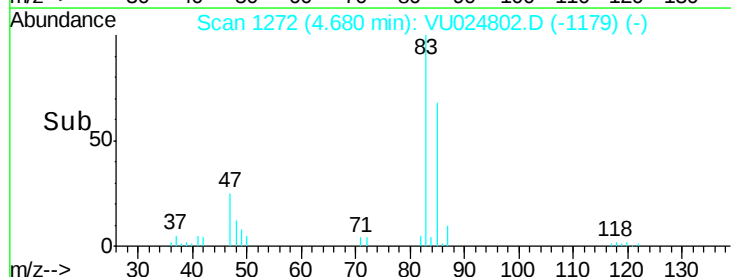
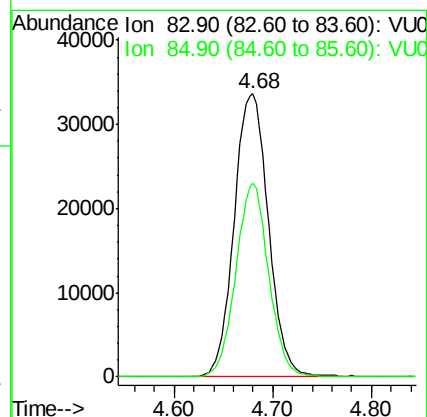
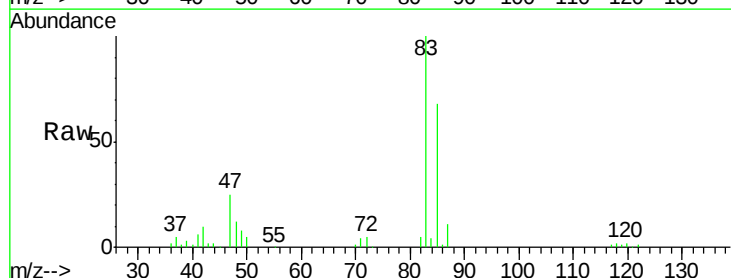
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

Tot Ion: 42 Resp: 112299
Ion Ratio Lower Upper
42 100
72 44.8 34.5 51.7
71 42.7 32.2 48.4



#30
Chloroform
Concen: 19.74 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion: 83 Resp: 81318
Ion Ratio Lower Upper
83 100
85 68.4 52.4 78.6

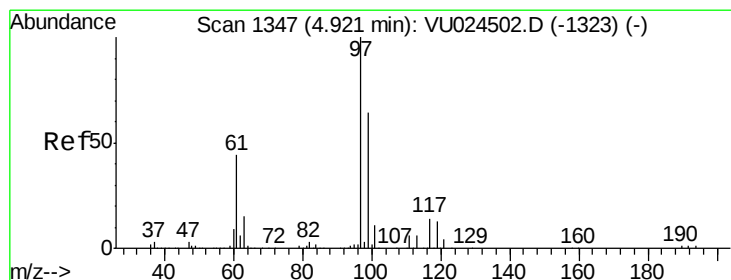
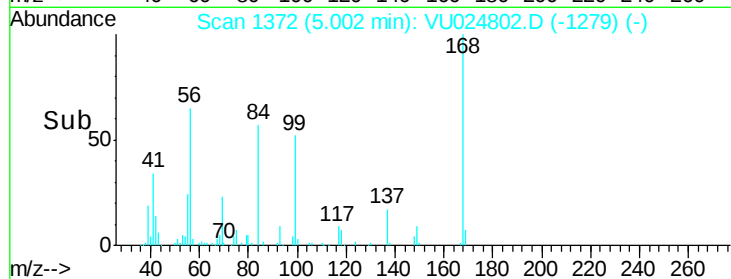
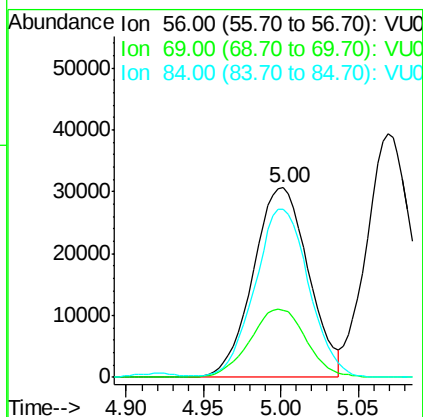
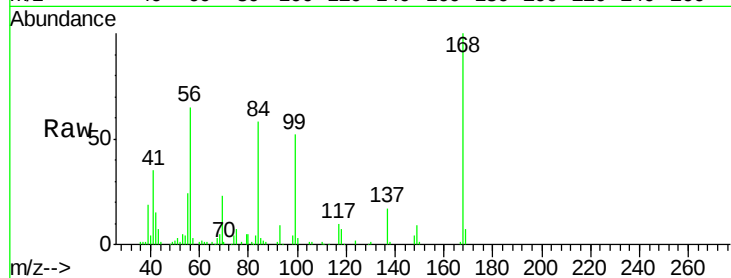




#31
Cyclohexane
Concen: 19.96 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

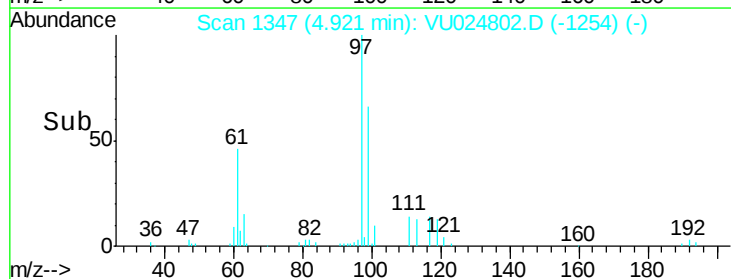
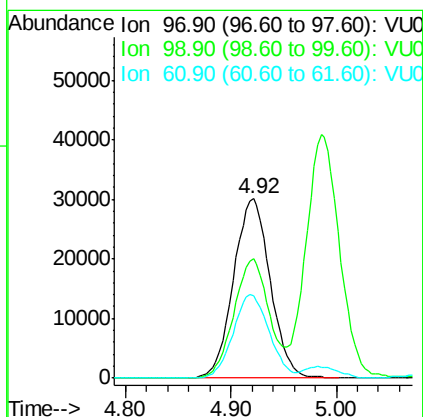
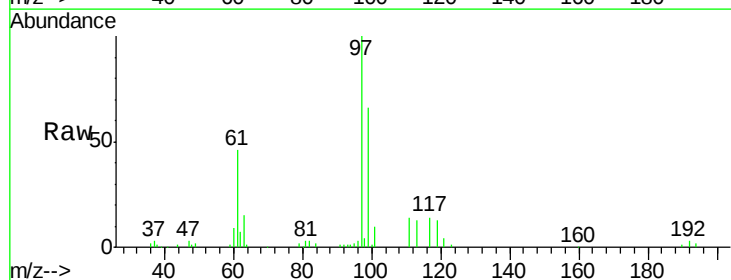
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

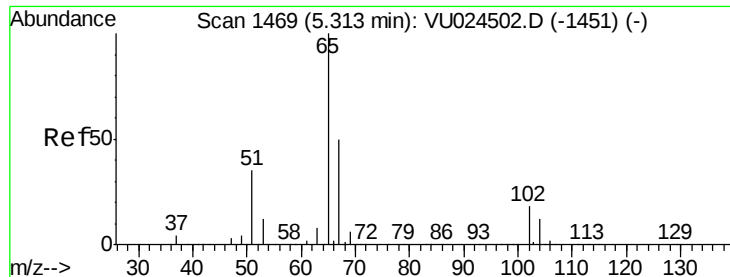
Tot Ion: 56 Resp: 76431
Ion Ratio Lower Upper
56 100
69 35.2 24.8 37.2
84 87.9 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 19.07 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion: 97 Resp: 72650
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 45.8 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 43.54 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

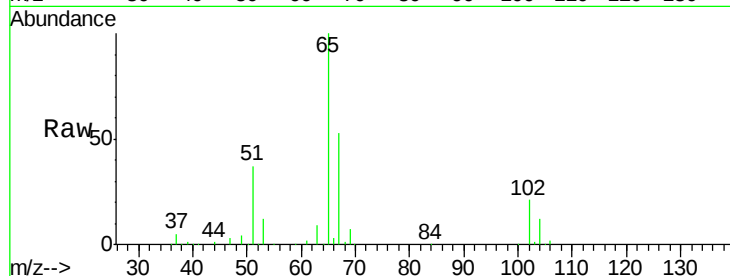
VU0621WBS01

Tot Ion: 65 Resp: 119963

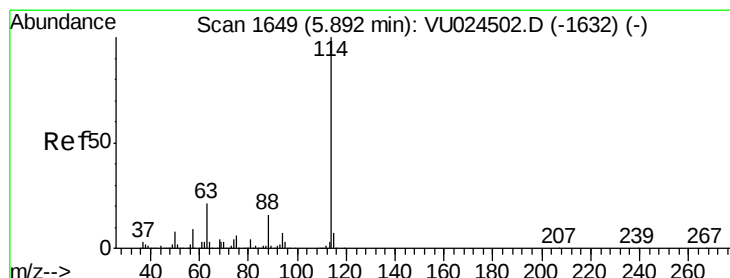
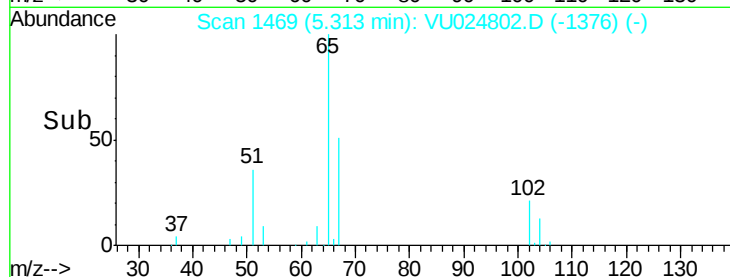
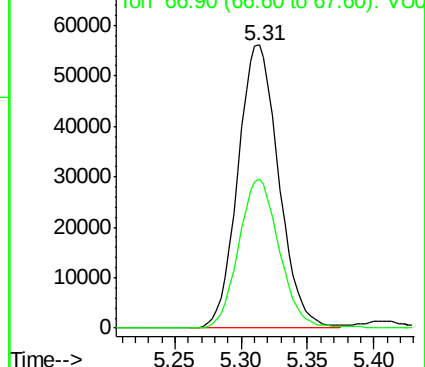
Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024802.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

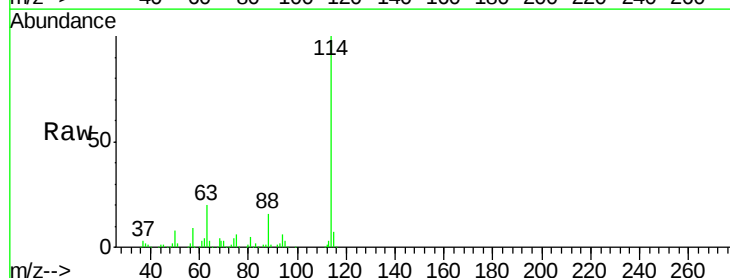
Tgt Ion: 114 Resp: 253790

Ion Ratio Lower Upper

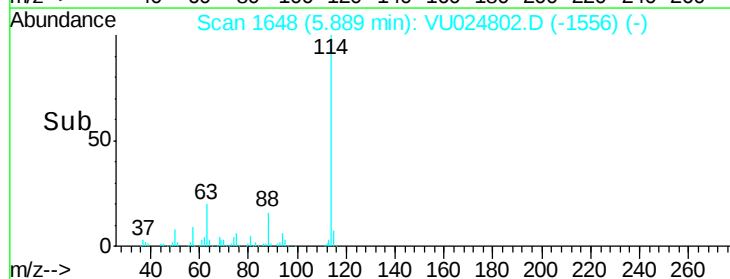
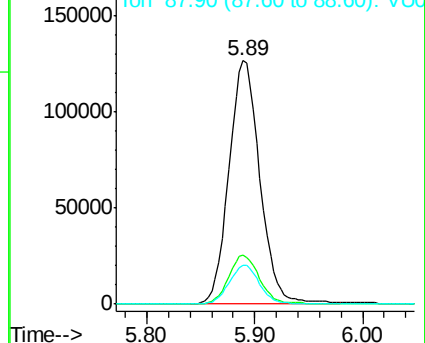
114 100

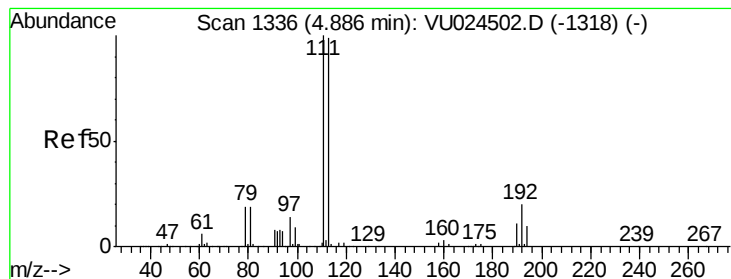
63 20.0 0.0 45.4

88 16.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024802.D (-1556) (-)





#35

Dibromofluoromethane

Concen: 45.72 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

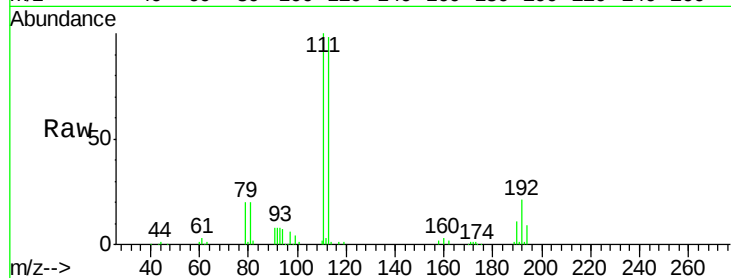
Tot Ion:113 Resp: 96301

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

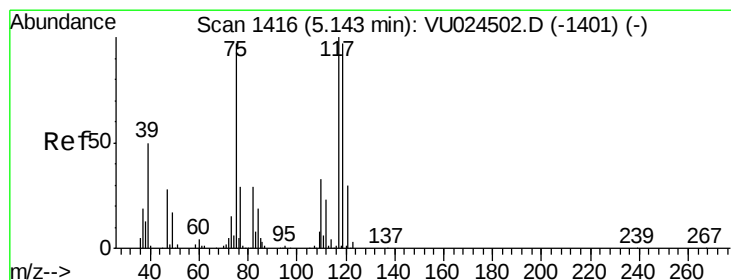
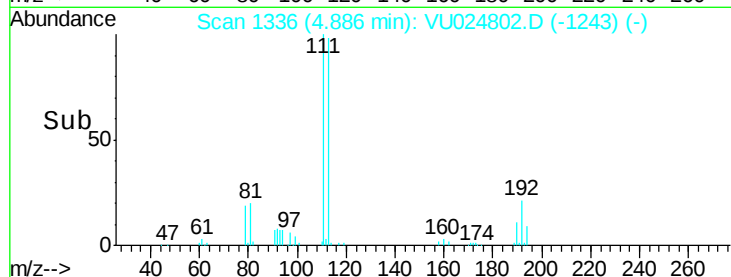
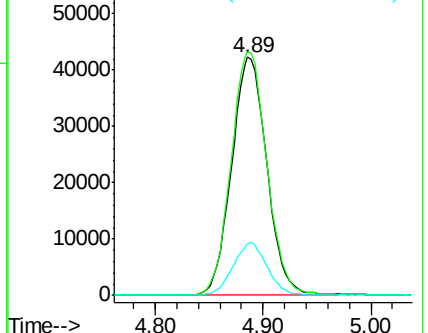
192 21.4 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.06 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

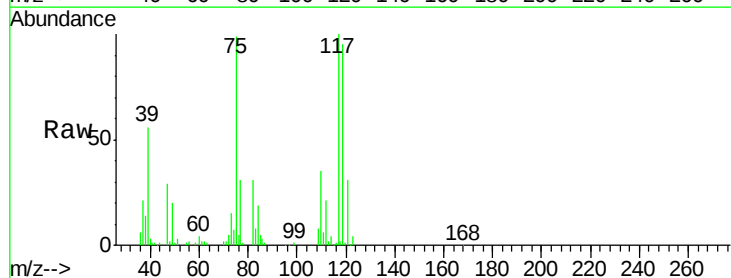
Tgt Ion: 75 Resp: 59810

Ion Ratio Lower Upper

75 100

110 36.0 17.0 50.9

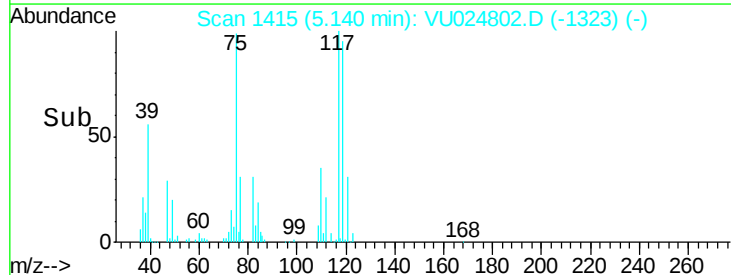
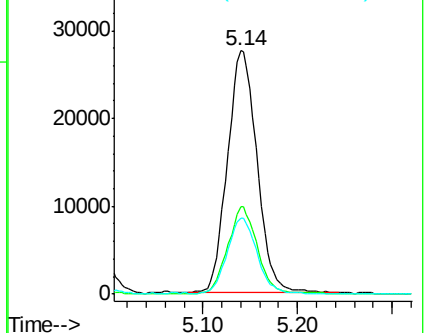
77 31.7 24.2 36.4

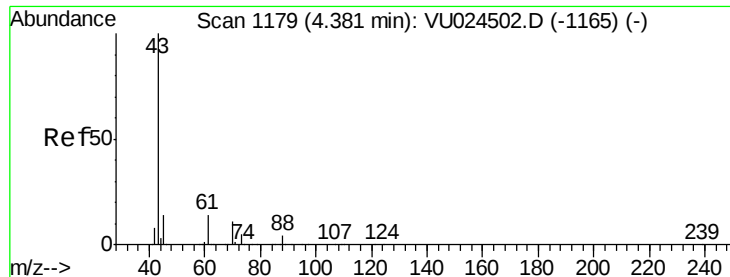


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

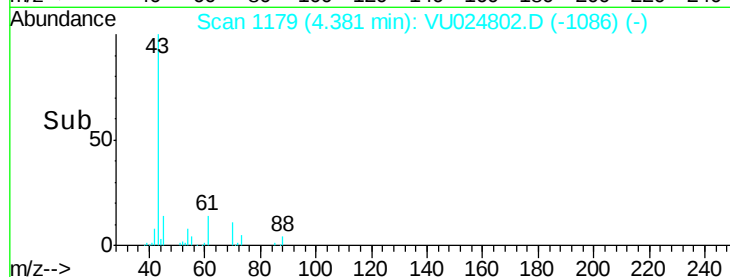
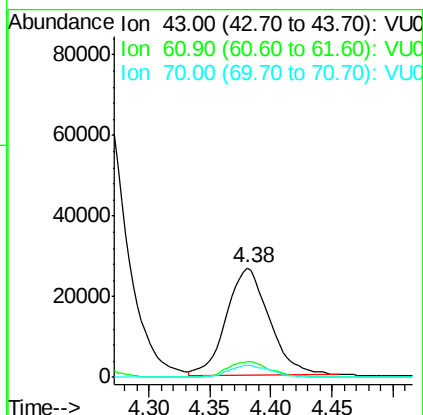
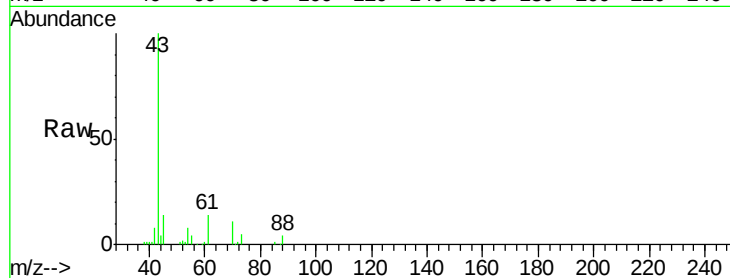




#37
Ethyl Acetate
Concen: 20.05 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

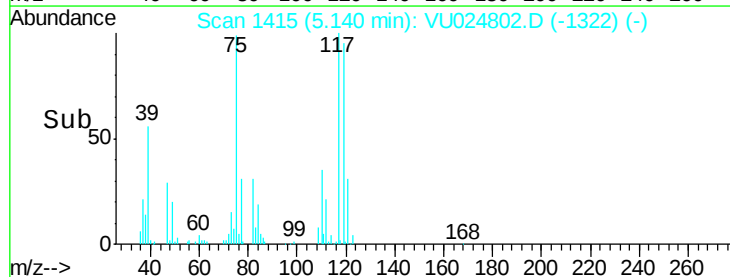
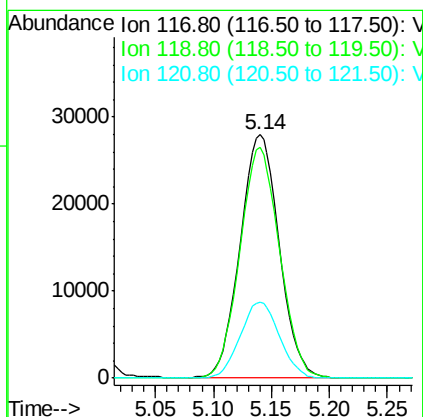
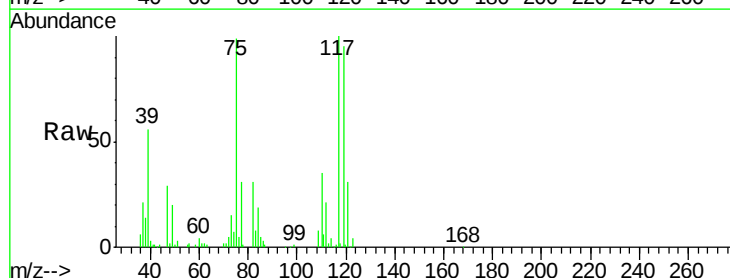
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

Tot Ion	43	Resp	65175
Ion Ratio	Lower	Upper	
43	100		
61	14.7	10.5	15.7
70	10.9	7.4	11.2



#38
Carbon Tetrachloride
Concen: 20.05 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion	117	Resp	65761
Ion Ratio	Lower	Upper	
117	100		
119	95.0	76.1	114.1
121	31.0	23.7	35.5

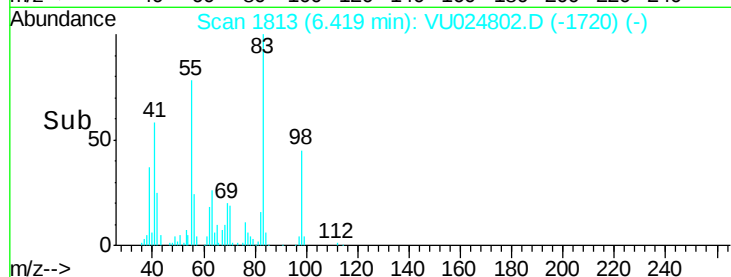
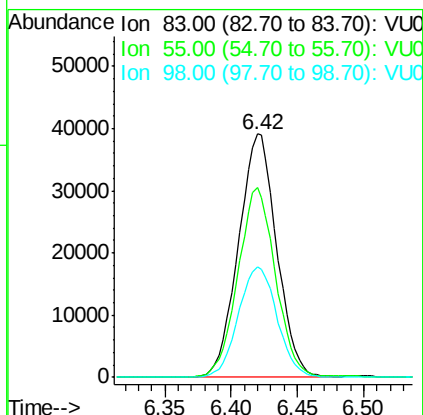
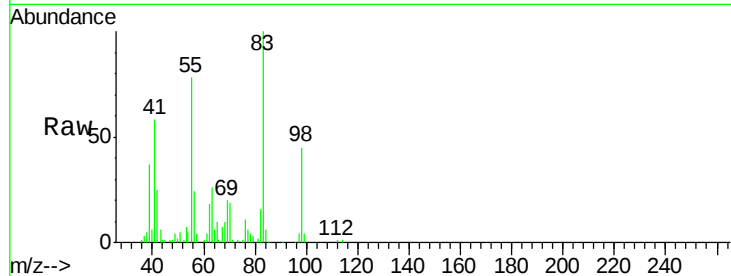




#39
Methvlcvclohexane
Concen: 21.08 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

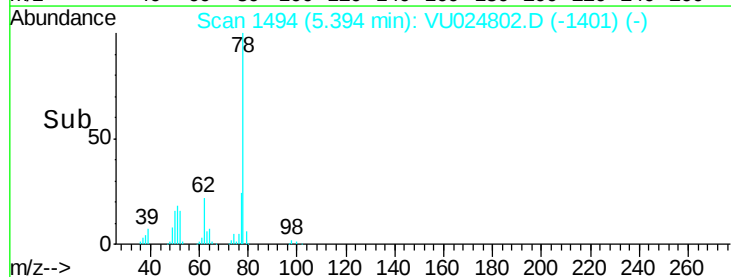
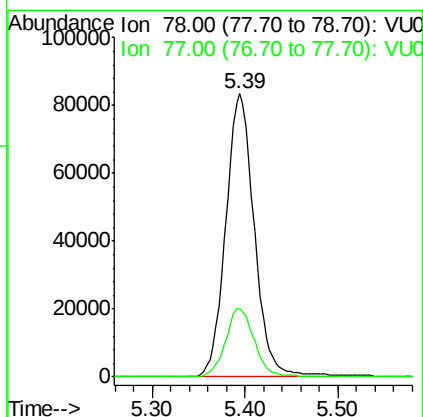
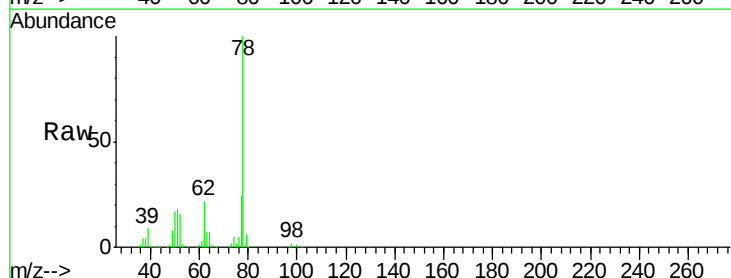
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

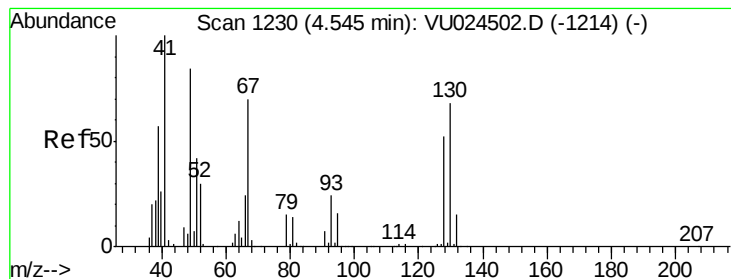
Tot Ion: 83 Resp: 78433
Ion Ratio Lower Upper
83 100
55 77.8 65.8 98.6
98 45.2 36.7 55.1



#40
Benzene
Concen: 20.97 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion: 78 Resp: 178221
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8





#41

Methacrylonitrile

Concen: 20.70 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

Tot Ion: 41 Resp: 36272

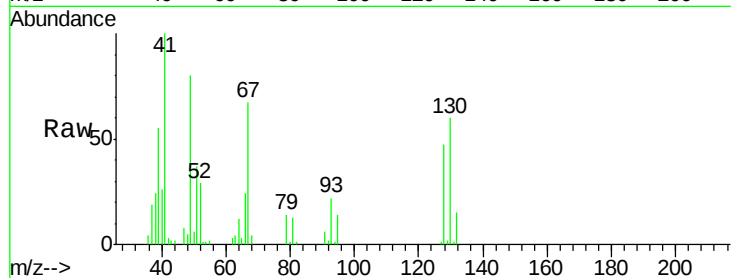
Ion Ratio Lower Upper

41 100

39 56.5 43.8 65.6

67 71.5 56.3 84.5

52 30.8 23.2 34.8

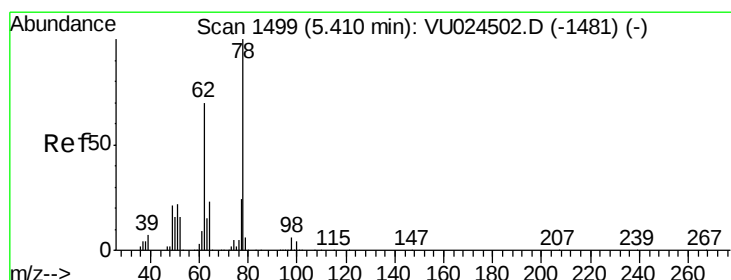
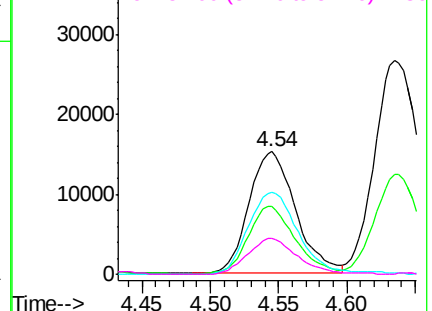
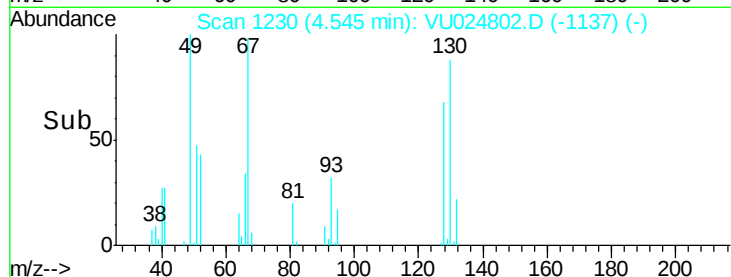


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 21.17 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024802.D

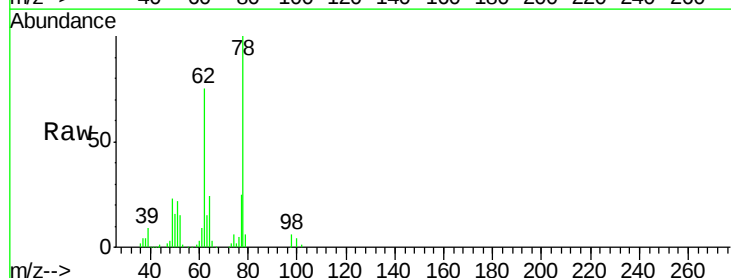
Acq: 21 Jun 2018 11:32

Tgt Ion: 62 Resp: 68510

Ion Ratio Lower Upper

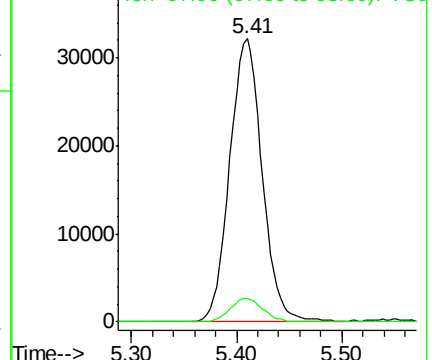
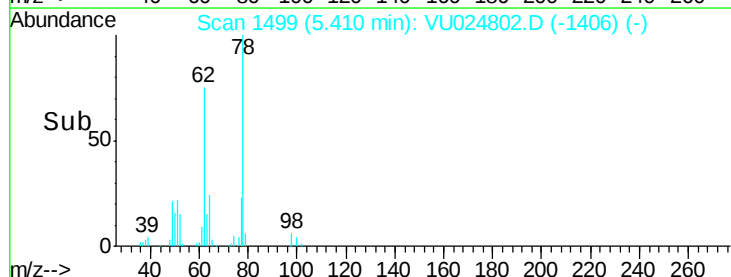
62 100

98 8.3 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: 19.24 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

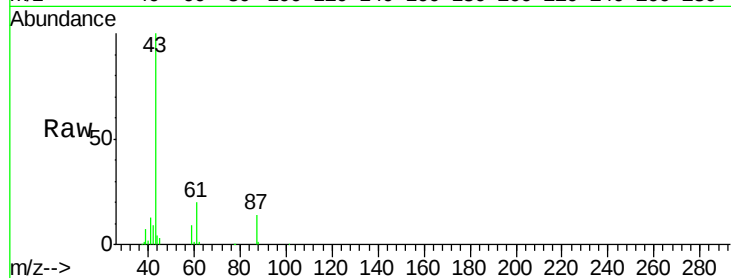
Tot Ion: 43 Resp: 108087

Ion Ratio Lower Upper

43 100

61 19.4 15.4 23.0

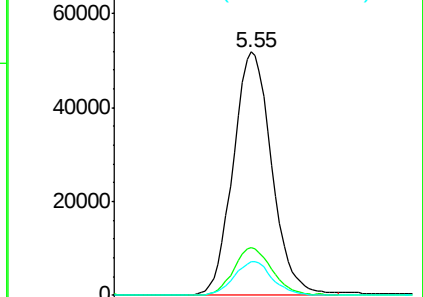
87 13.7 10.0 15.0



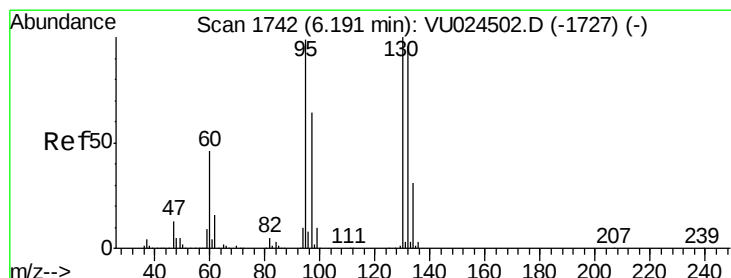
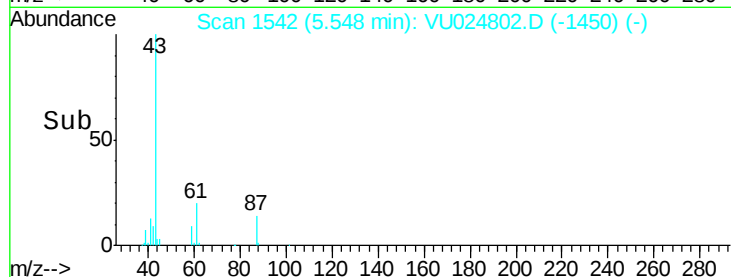
Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)



Time-->



#44

Trichloroethene

Concen: 20.44 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024802.D

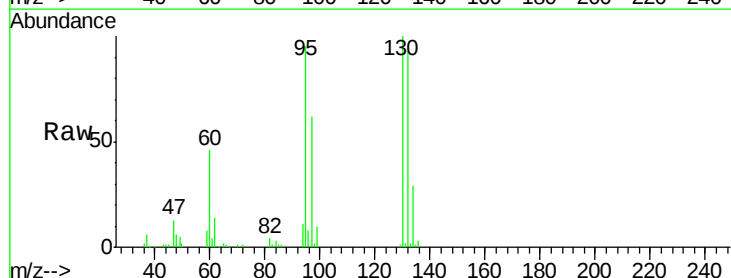
Acq: 21 Jun 2018 11:32

Tgt Ion: 130 Resp: 49428

Ion Ratio Lower Upper

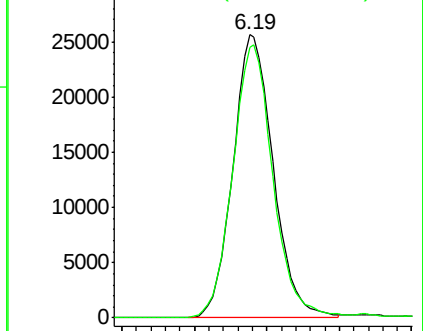
130 100

95 95.4 0.0 202.4

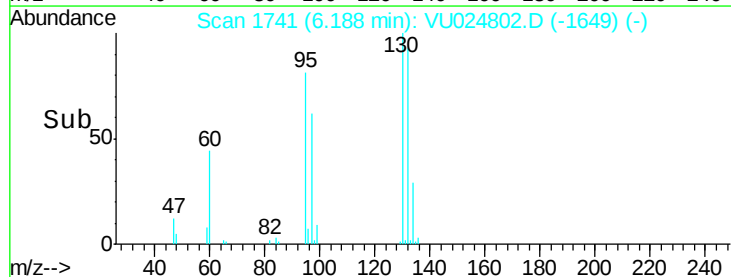


Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 20.66 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampled :

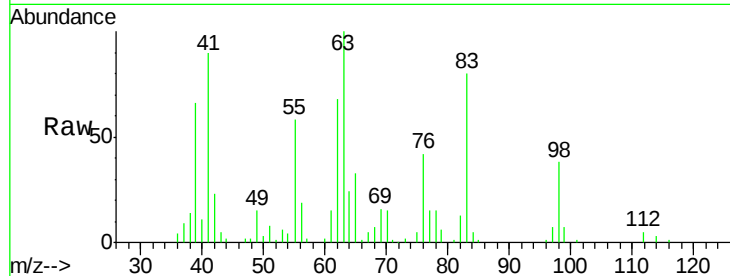
VU0621WBS01

Tot Ion: 63 Resp: 46835

Ion Ratio Lower Upper

63 100

65 32.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU024802.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024802.D (-1726) (-)

6.44

25000

20000

15000

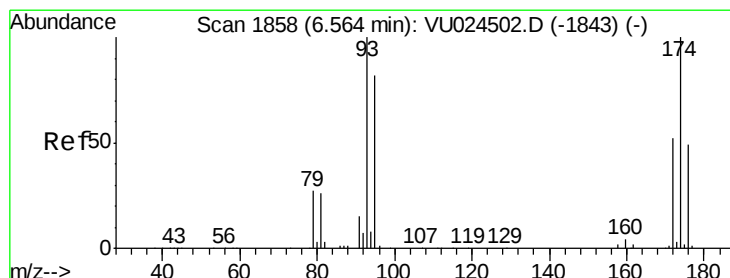
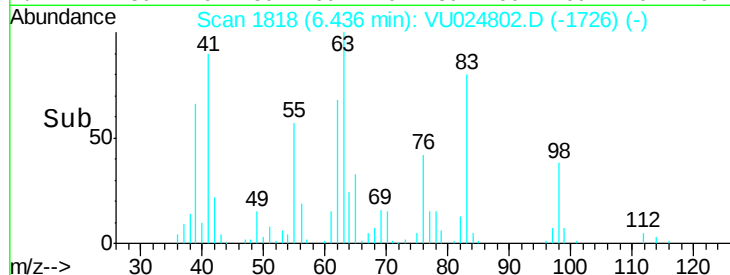
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 21.35 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

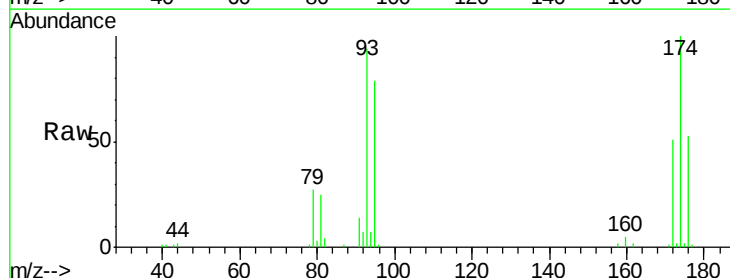
Tgt Ion: 93 Resp: 33996

Ion Ratio Lower Upper

93 100

95 82.9 65.5 98.3

174 106.5 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU024802.D (-1765) (-)

Ion 94.80 (94.50 to 95.50): VU024802.D (-1765) (-)

Ion 173.70 (173.40 to 174.40): VU024802.D (-1765) (-)

6.56

25000

20000

15000

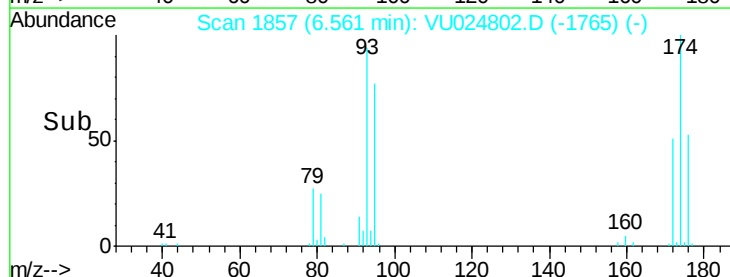
10000

5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 20.18 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

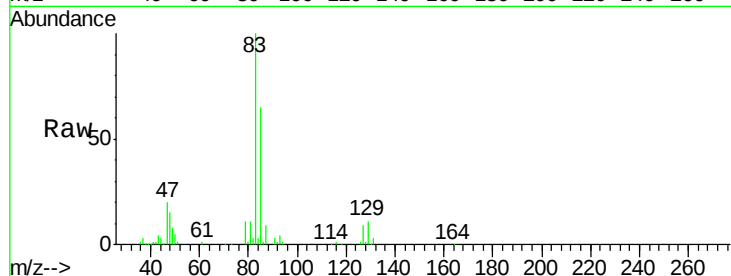
Tot Ion: 83 Resp: 64006

Ion Ratio Lower Upper

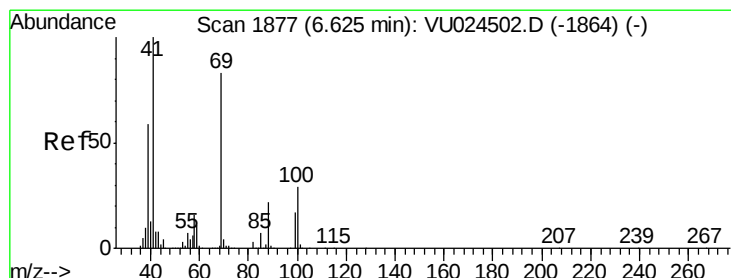
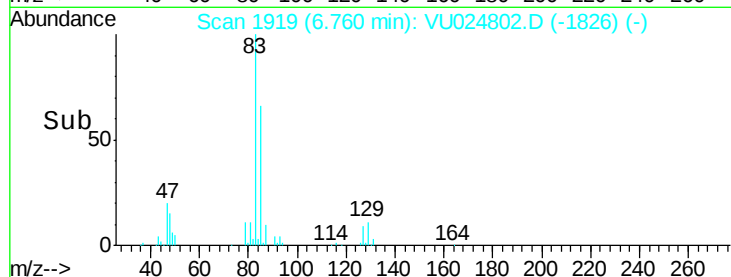
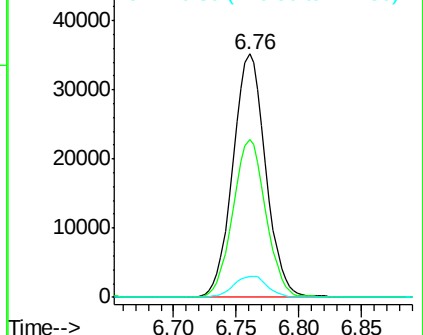
83 100

85 65.0 51.9 77.9

127 8.5 6.6 9.8



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



#48

Methyl methacrylate

Concen: 20.42 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

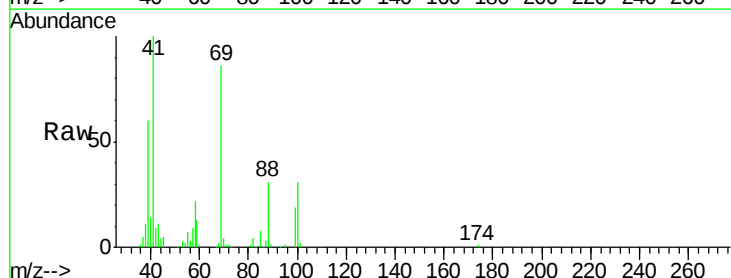
Tgt Ion: 41 Resp: 55853

Ion Ratio Lower Upper

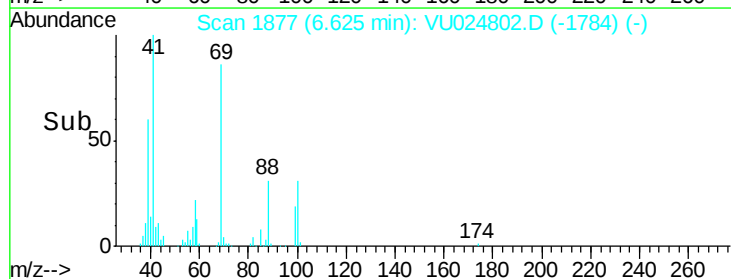
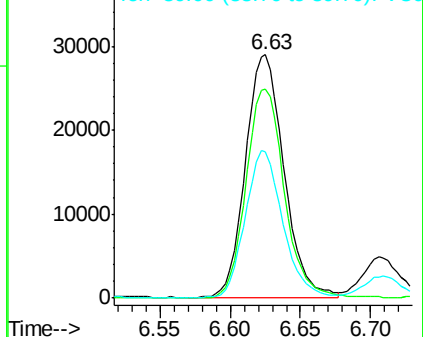
41 100

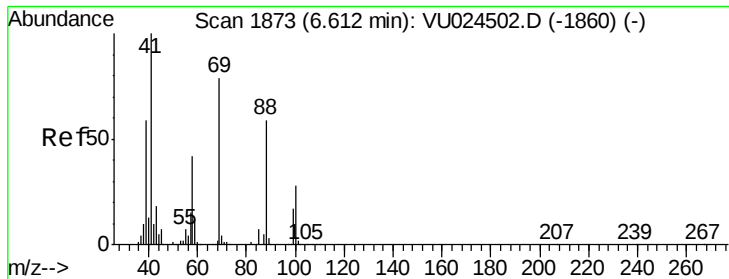
69 85.5 67.3 100.9

39 59.0 46.5 69.7



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





#49

1,4-Dioxane

Concen: 445.21 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

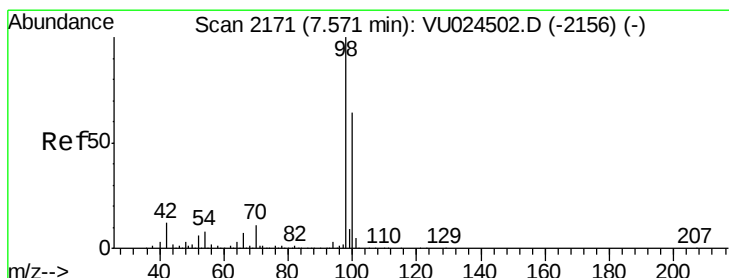
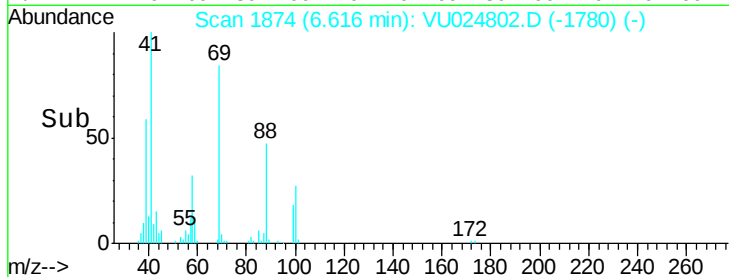
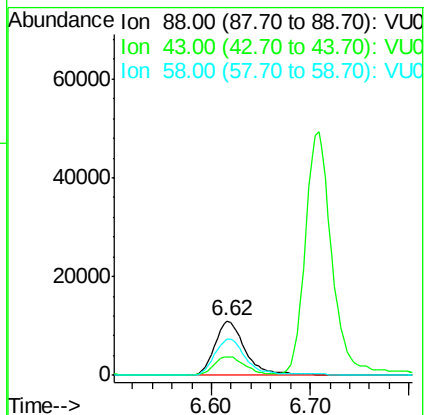
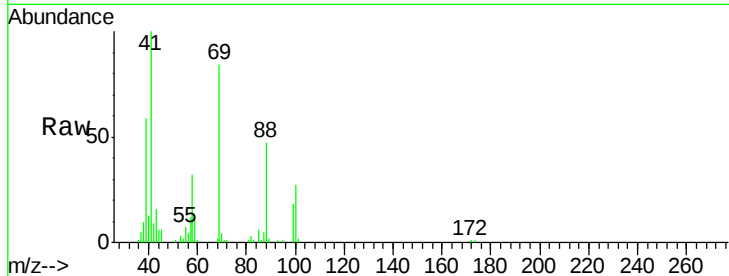
Tot Ion: 88 Resp: 23820

Ion Ratio Lower Upper

88 100

43 36.5 28.6 42.8

58 68.4 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: VU024802.D

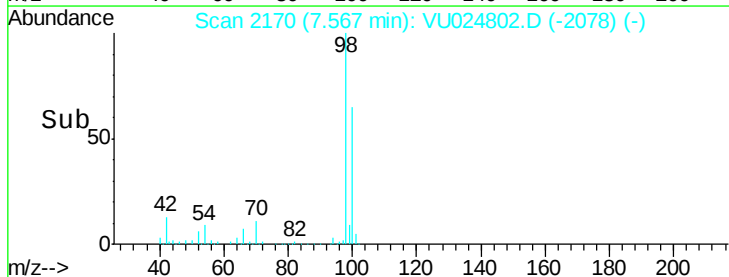
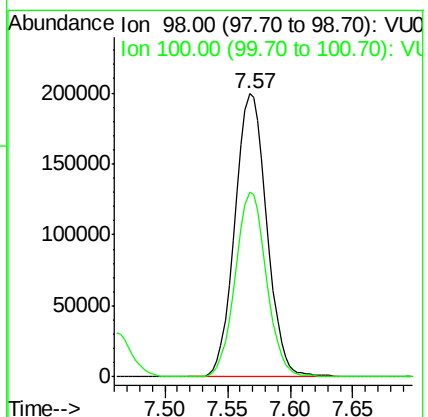
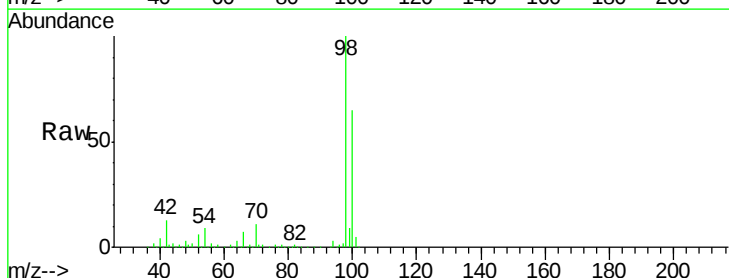
Acq: 21 Jun 2018 11:32

Tgt Ion: 98 Resp: 353309

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7

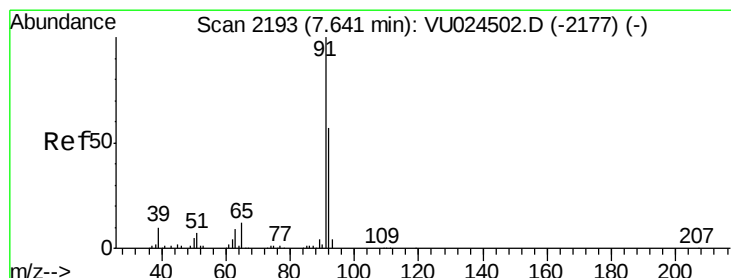
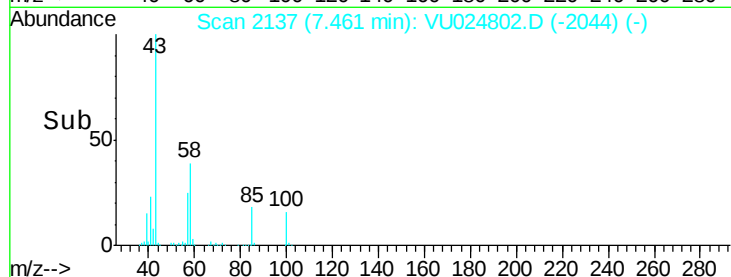
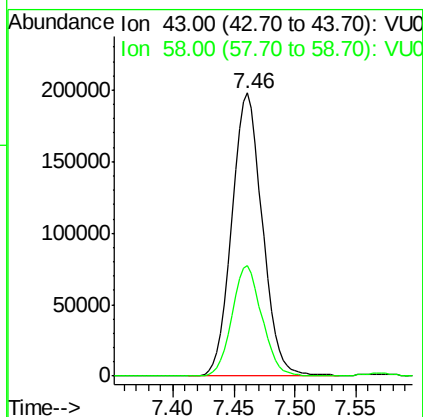
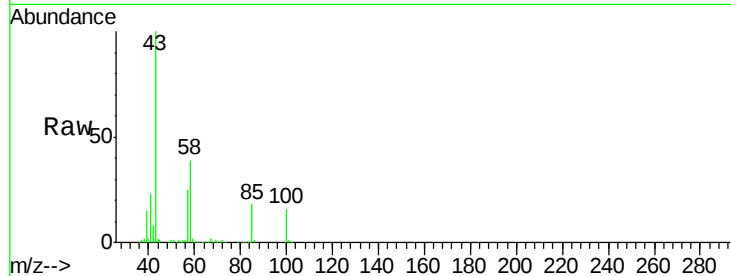




#51
 4-Methyl-2-Pentanone
 Concen: 97.62 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

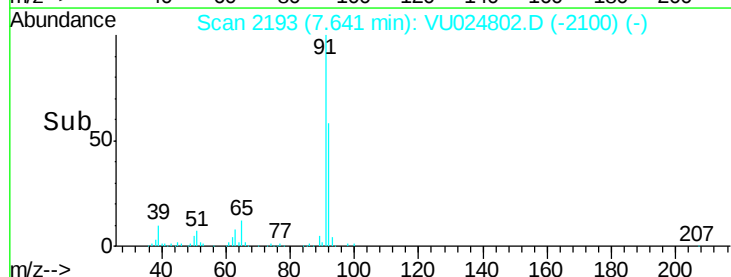
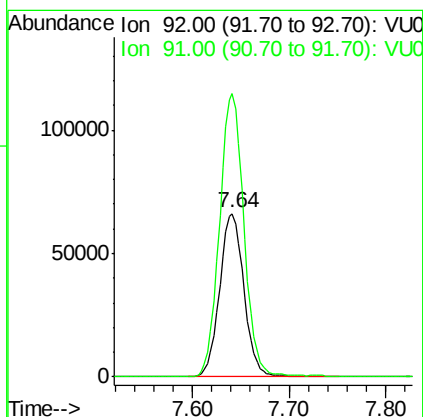
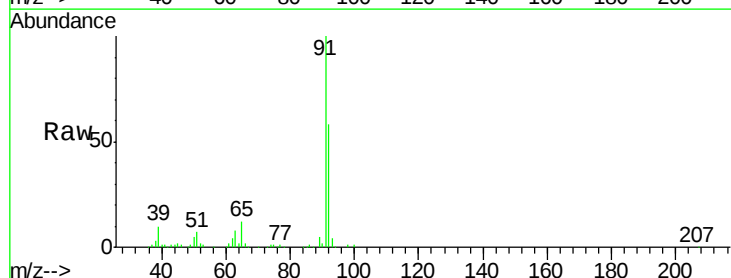
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

Tot Ion: 43 Resp: 344591
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0



#52
 Toluene
 Concen: 21.17 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion: 92 Resp: 115731
 Ion Ratio Lower Upper
 92 100
 91 173.9 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

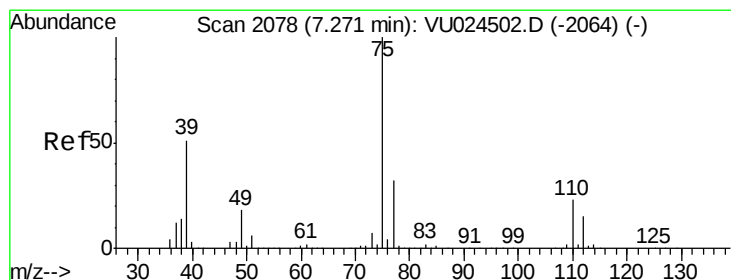
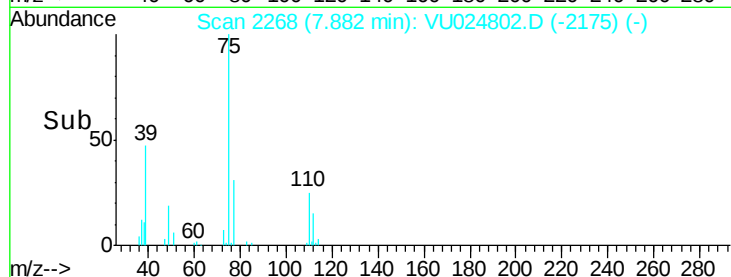
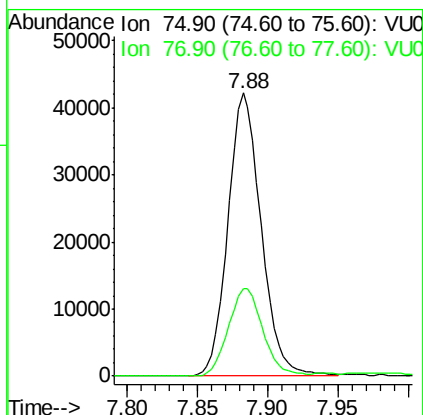
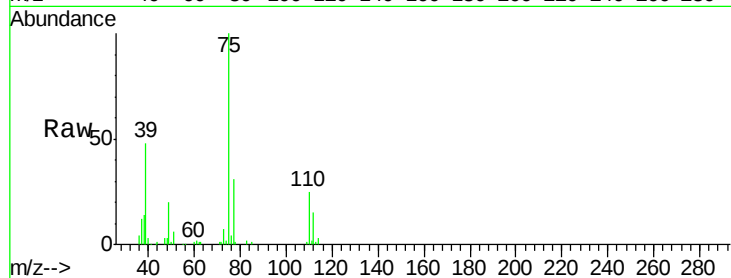
VU0621WBS01

Tot Ion: 75 Resp: 69496

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.87 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

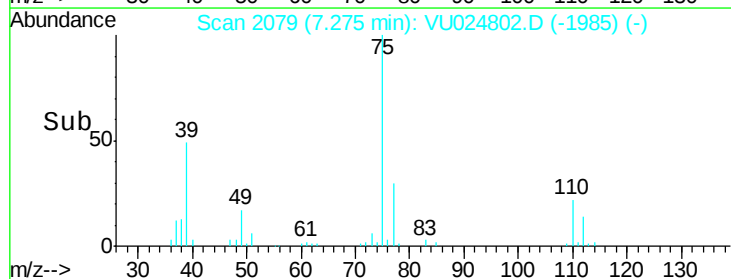
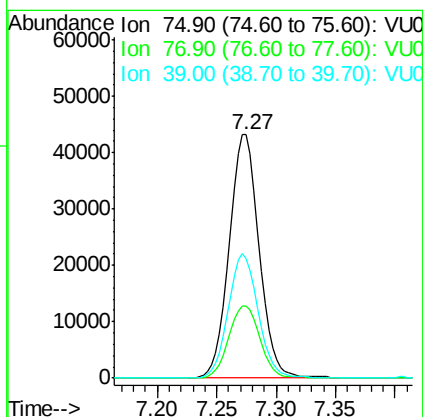
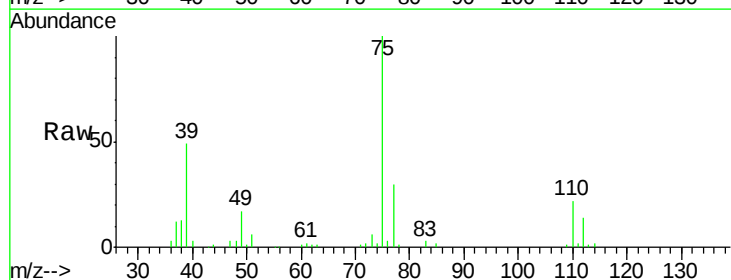
Tgt Ion: 75 Resp: 75403

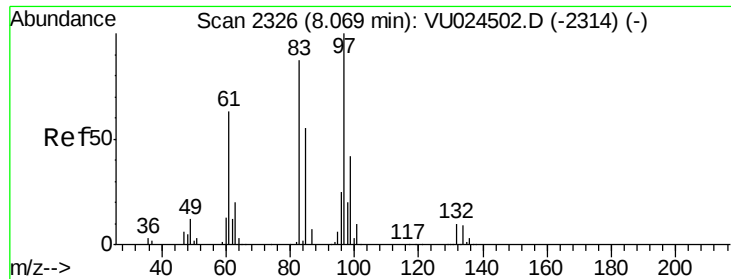
Ion Ratio Lower Upper

75 100

77 29.9 24.6 36.8

39 49.2 39.8 59.6

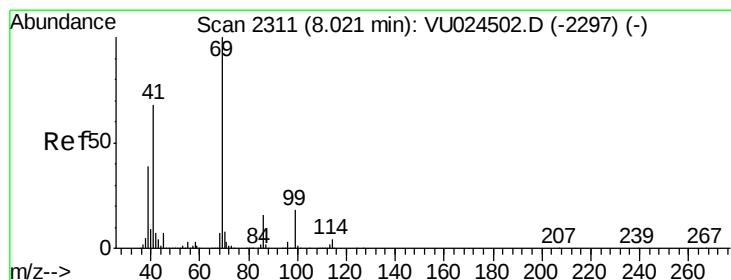
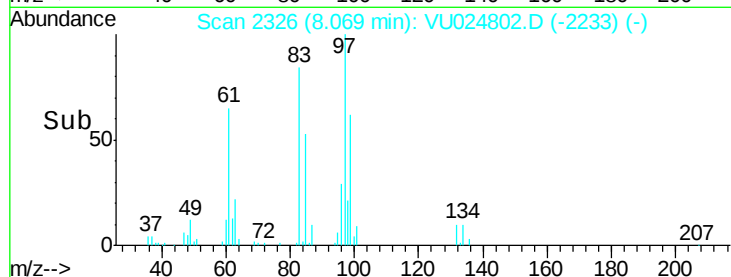
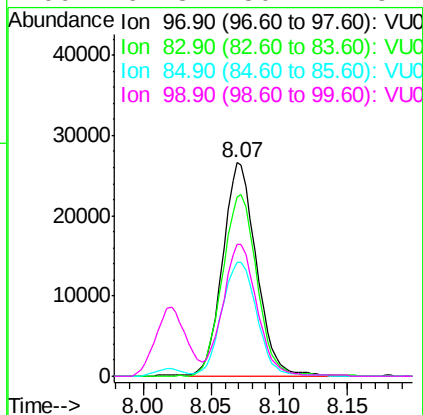
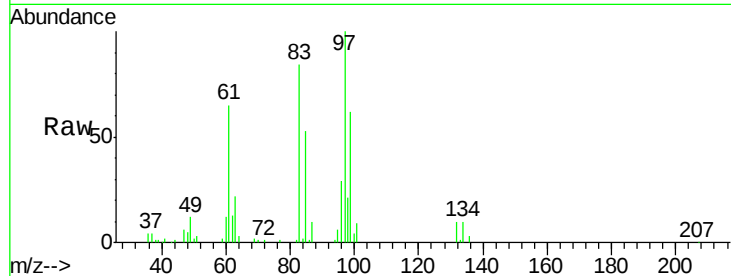




#55
 1,1,2-Trichloroethane
 Concen: 20.60 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

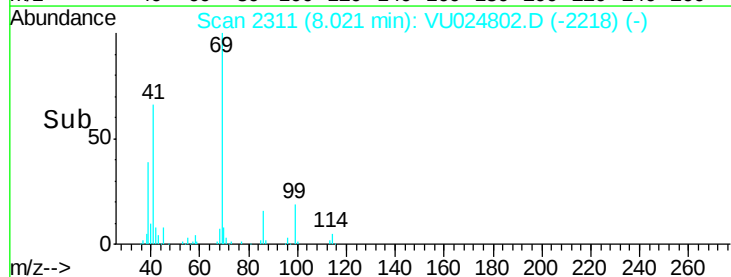
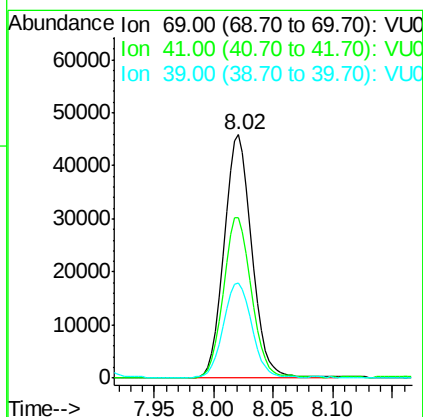
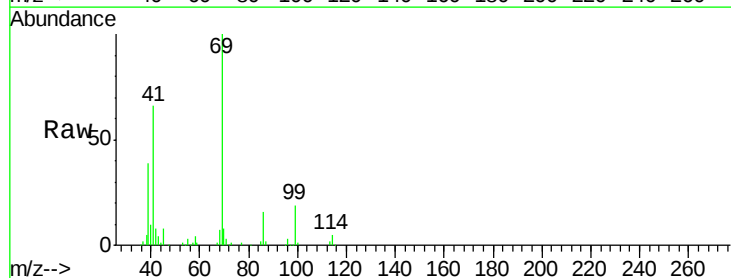
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

Tot Ion:	97	Resp:	45791
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.5	105.7
85	53.3	46.4	69.6
99	61.3	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 19.97 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion:	69	Resp:	74296
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.1	81.1
39	39.5	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.07 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

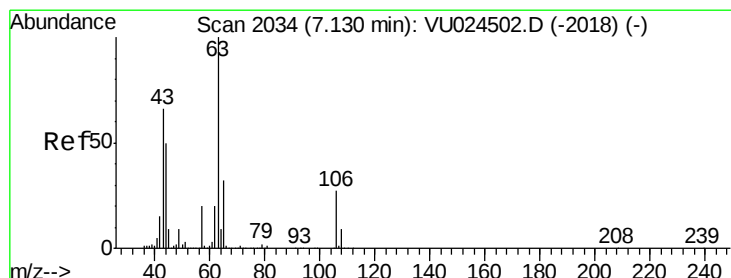
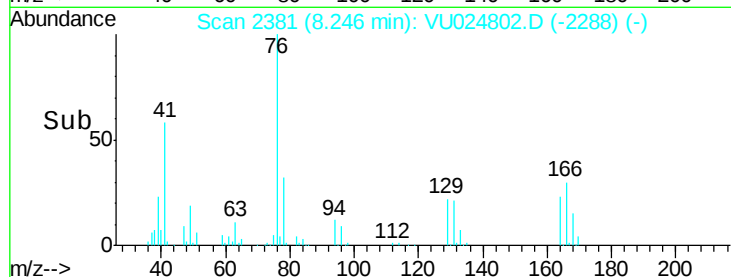
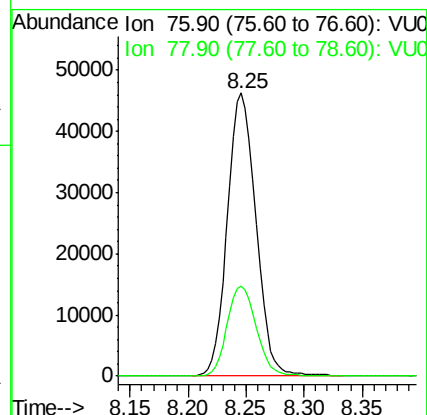
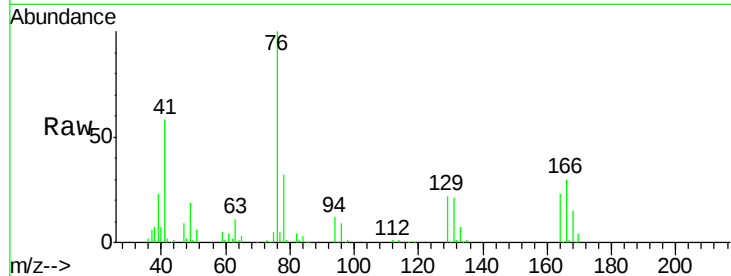
VU0621WBS01

Tot Ion: 76 Resp: 78988

Ion Ratio Lower Upper

76 100

78 32.5 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 83.36 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024802.D

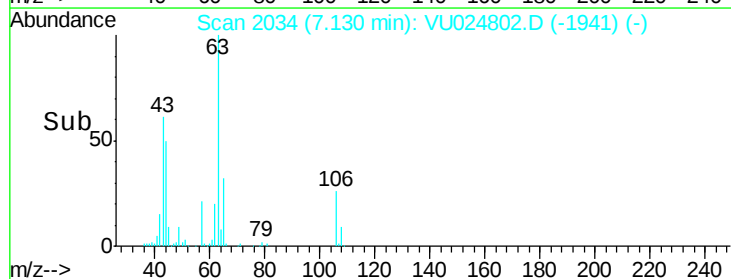
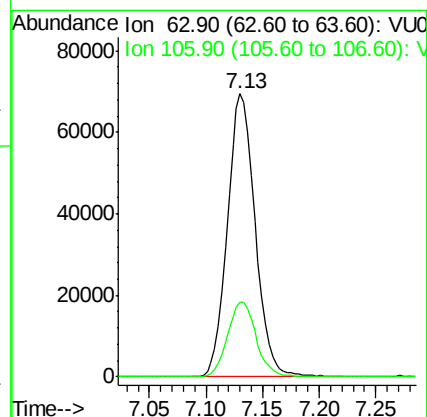
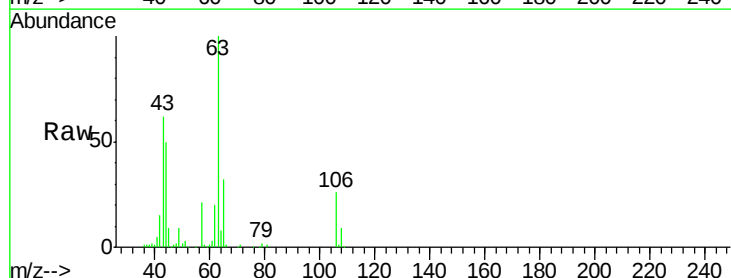
Acq: 21 Jun 2018 11:32

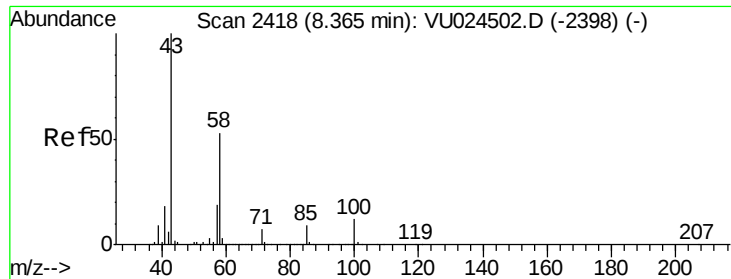
Tgt Ion: 63 Resp: 118793

Ion Ratio Lower Upper

63 100

106 27.2 20.2 30.2

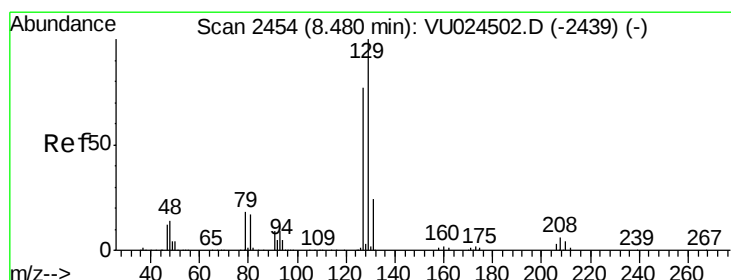
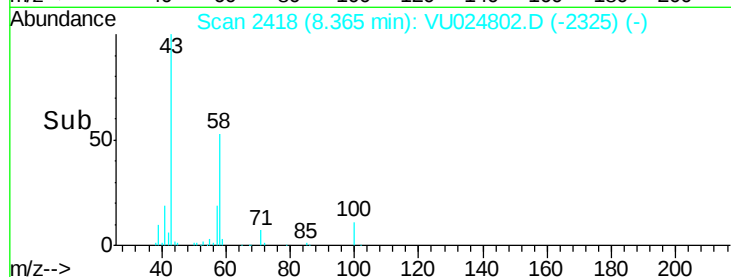
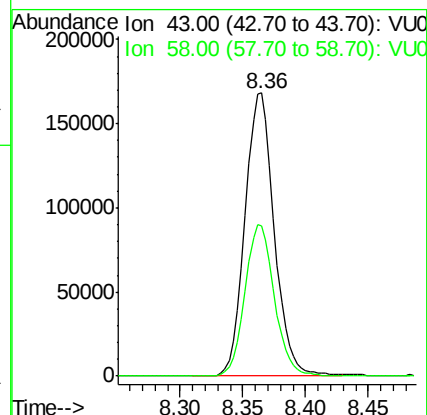
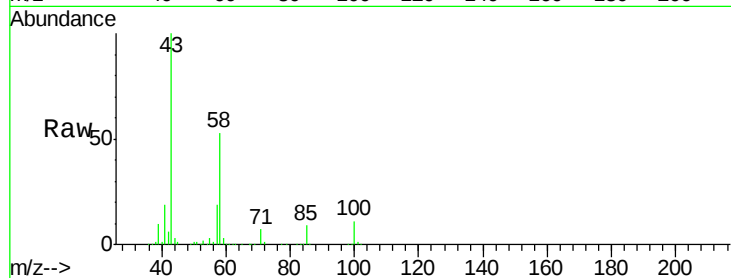




#59
2-Hexanone
Concen: 95.05 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

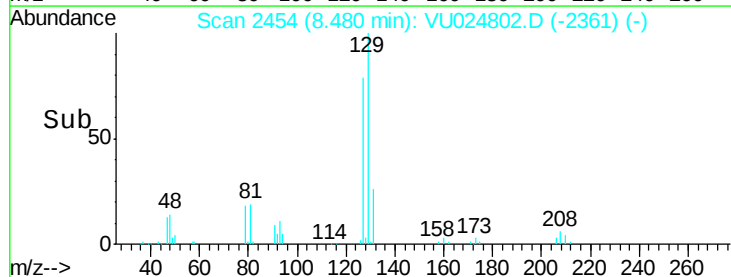
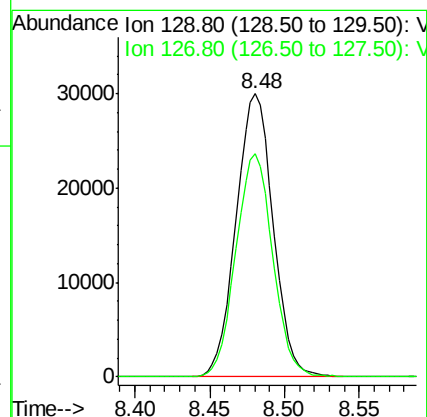
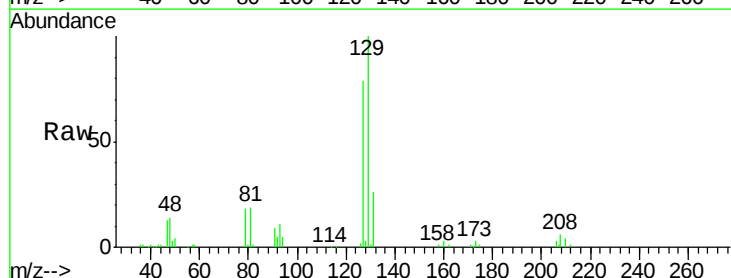
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

Tot Ion: 43 Resp: 273899
Ion Ratio Lower Upper
43 100
58 53.8 26.4 79.0



#60
Dibromochloromethane
Concen: 18.67 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion: 129 Resp: 51739
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.82 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

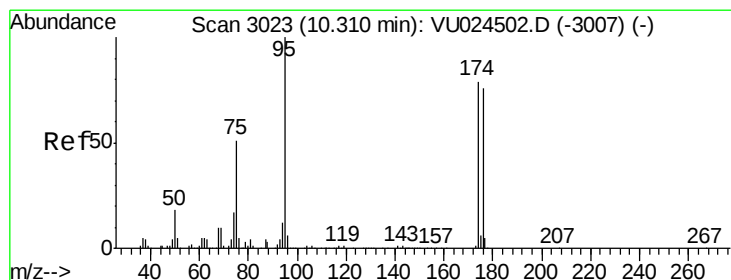
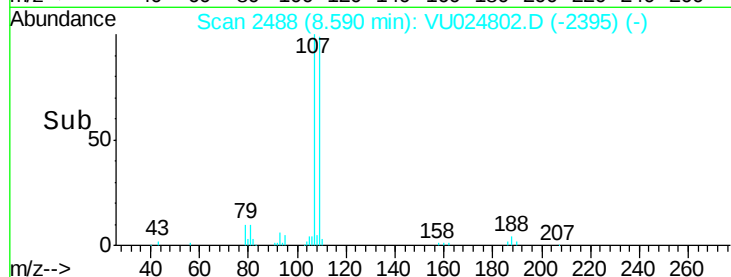
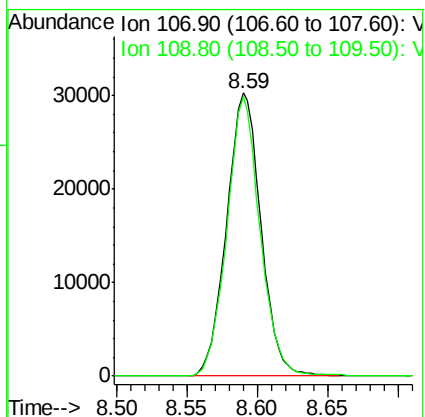
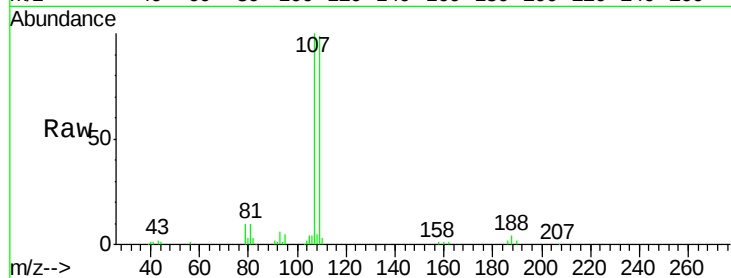
VU0621WBS01

Tot Ion:107 Resp: 51509

Ion Ratio Lower Upper

107 100

109 95.4 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 44.96 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

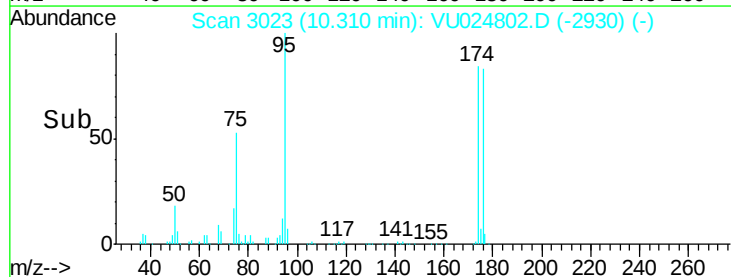
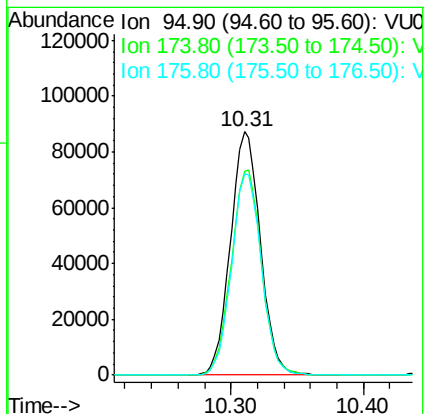
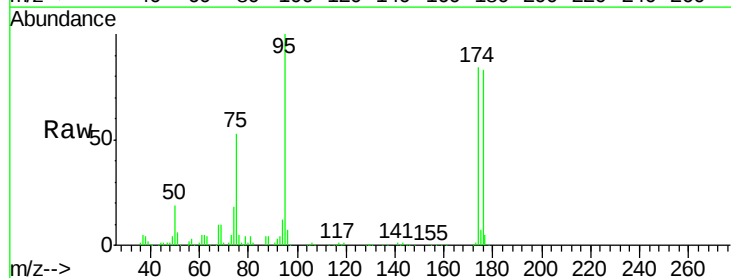
Tgt Ion: 95 Resp: 137136

Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

176 82.2 0.0 159.4

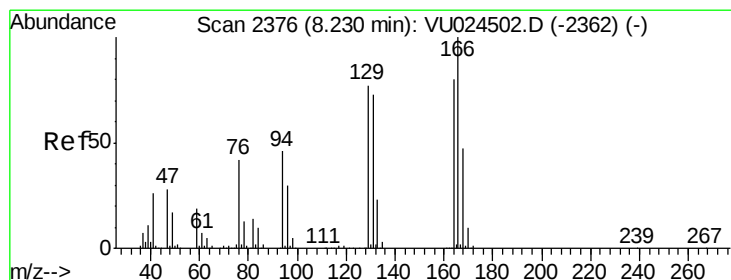
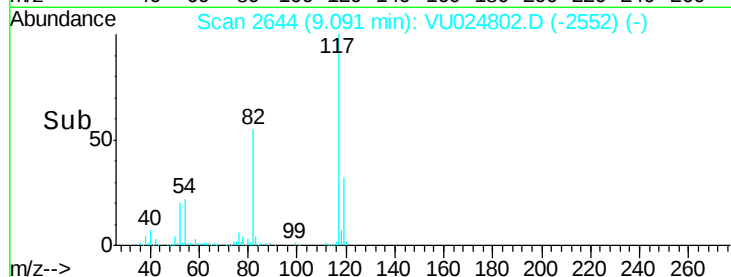
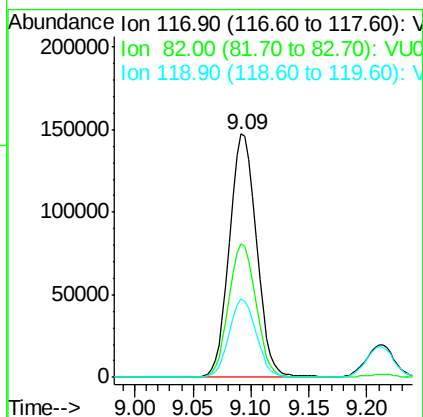
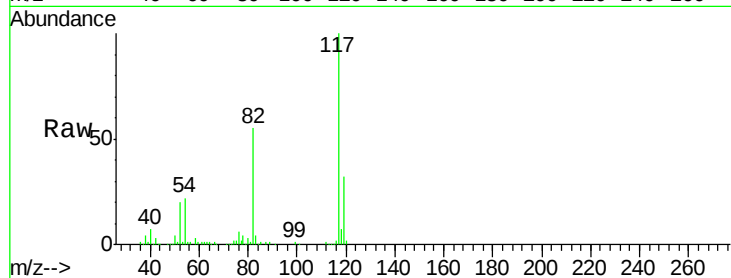




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

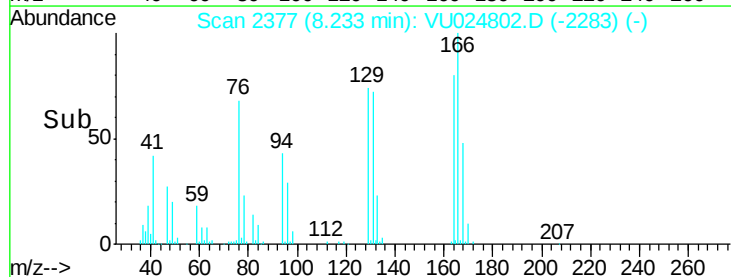
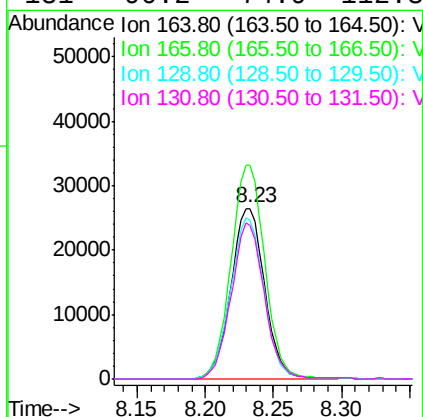
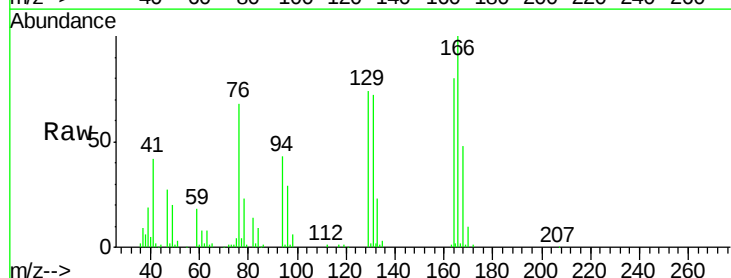
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.3	66.5
119	32.0	25.4	38.2



#64
Tetrachloroethene
Concen: 20.03 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.7	152.5
129	93.1	76.9	115.3
131	90.2	74.9	112.3

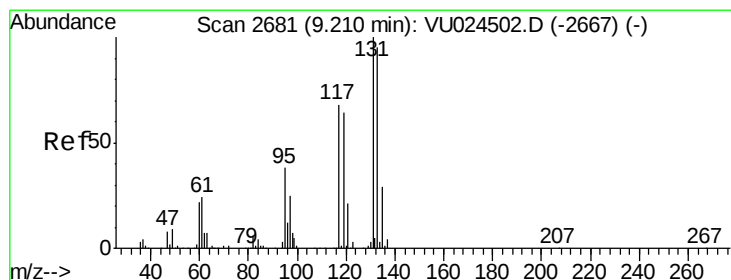
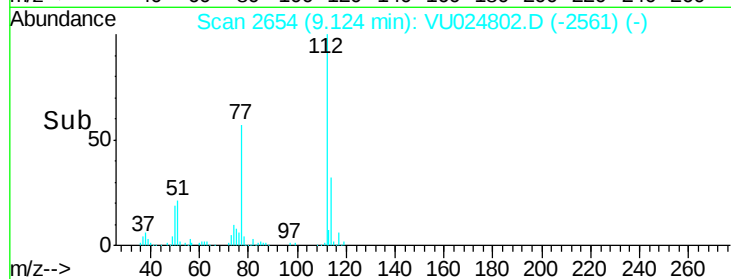
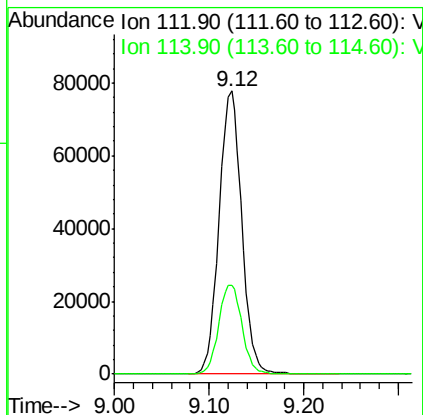
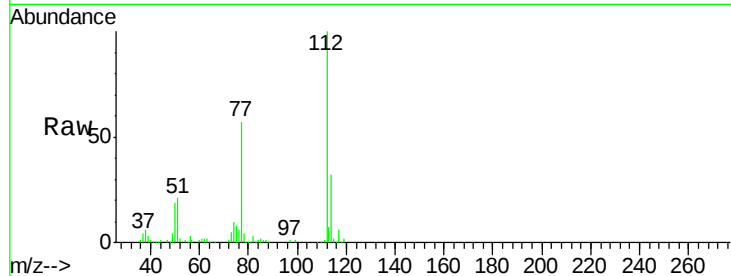




#65
Chlorobenzene
Concen: 21.27 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

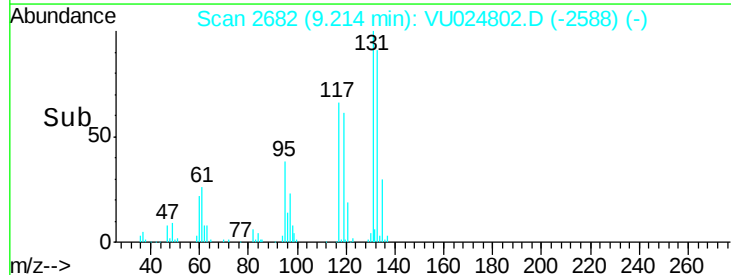
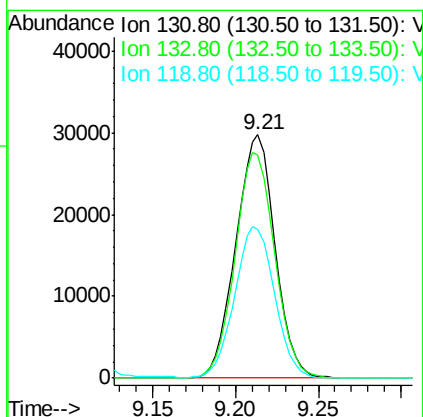
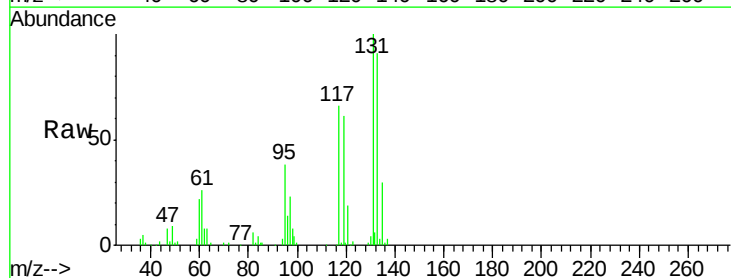
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

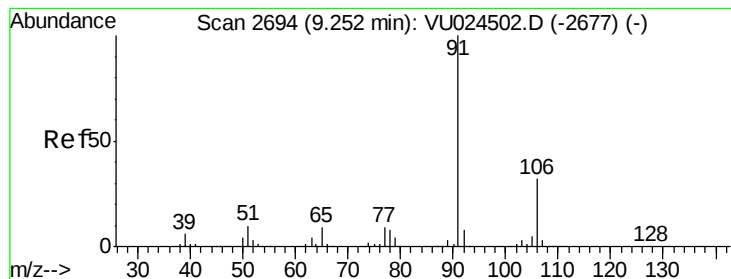
Tot Ion:112 Resp: 129591
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.08 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion:131 Resp: 48780
Ion Ratio Lower Upper
131 100
133 93.7 46.9 140.8
119 63.6 33.5 100.4





#67

Ethyl Benzene

Concen: 20.82 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

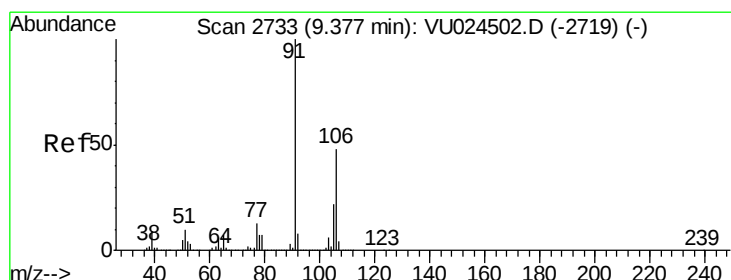
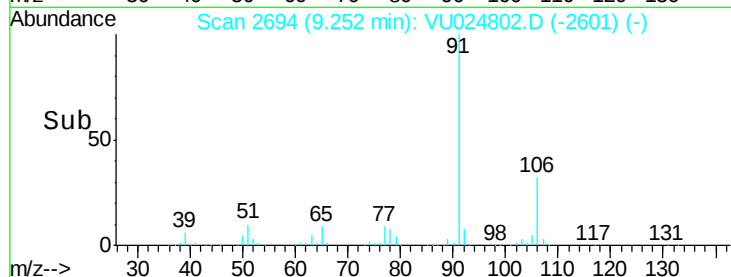
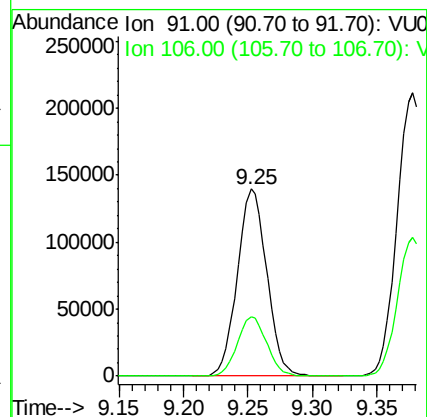
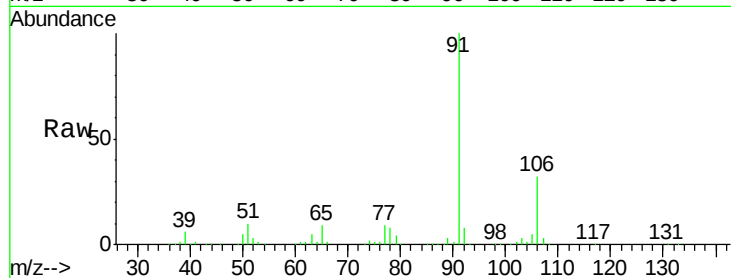
VU0621WBS01

Tot Ion: 91 Resp: 222300

Ion Ratio Lower Upper

91 100

106 32.0 24.2 36.4



#68

m/p-Xylenes

Concen: 42.18 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024802.D

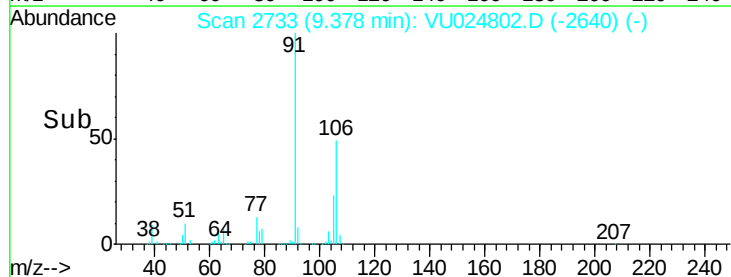
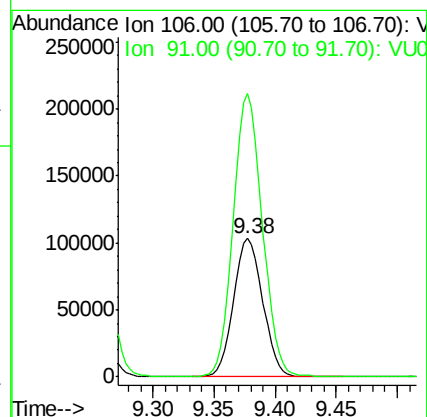
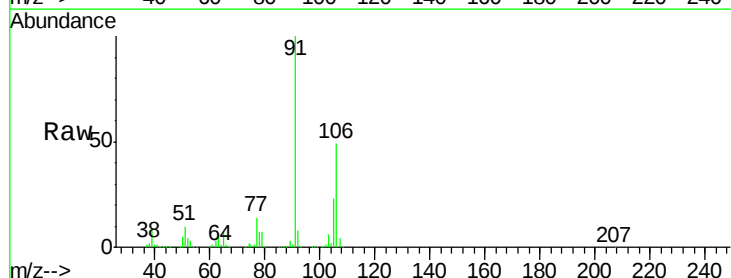
Acq: 21 Jun 2018 11:32

Tgt Ion: 106 Resp: 172981

Ion Ratio Lower Upper

106 100

91 203.9 166.5 249.7

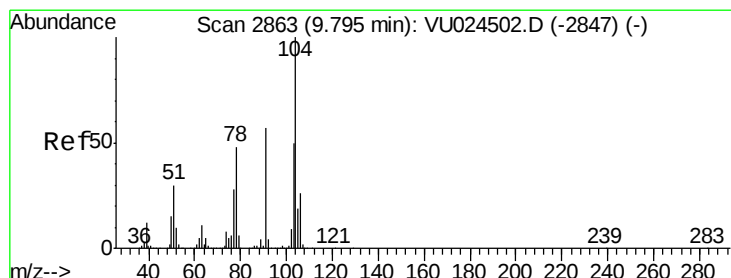
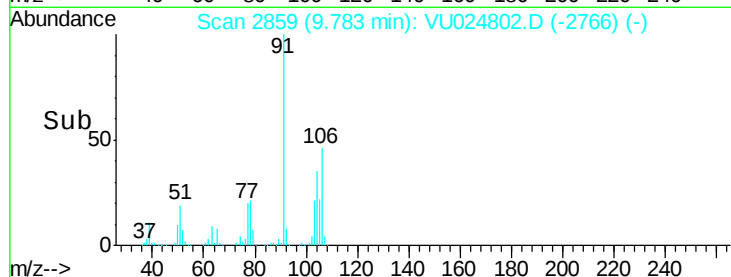
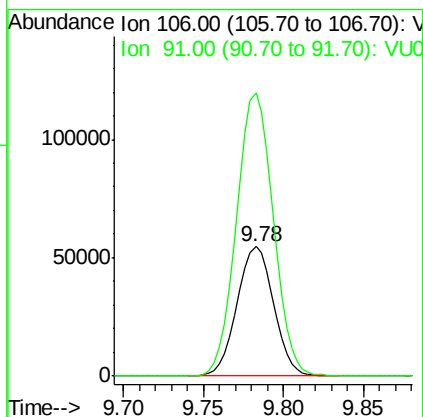
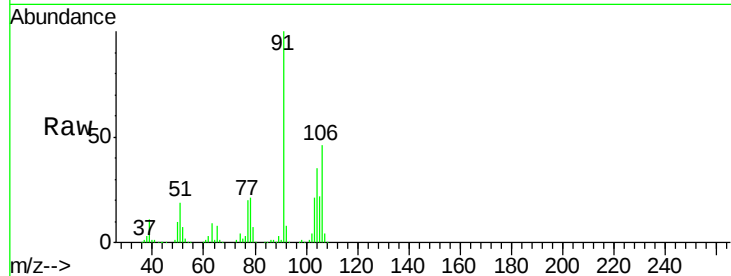




#69
o-Xylene
Concen: 21.04 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

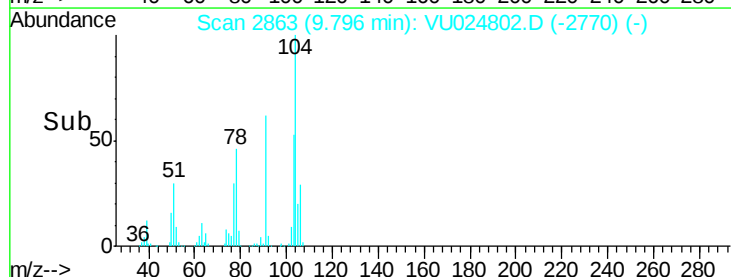
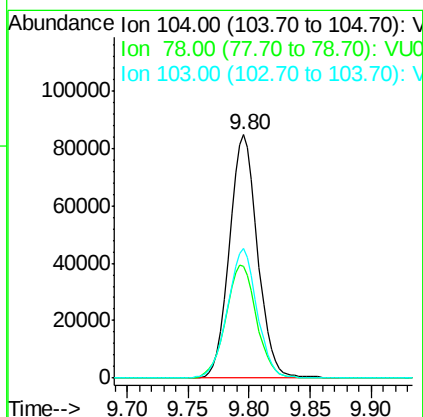
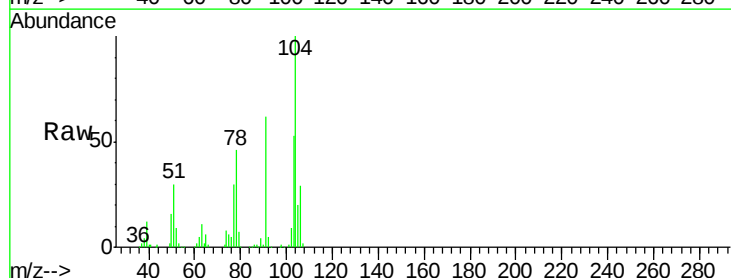
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

Tot Ion:106 Resp: 85382
Ion Ratio Lower Upper
106 100
91 219.8 110.7 331.9



#70
Styrene
Concen: 20.48 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion:104 Resp: 136598
Ion Ratio Lower Upper
104 100
78 50.8 40.6 60.8
103 55.9 44.7 67.1





#71

Bromoform

Concen: 18.54 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

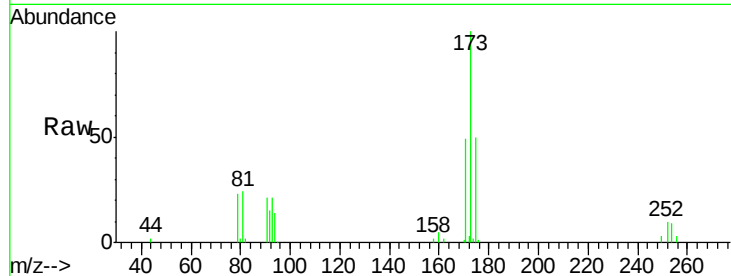
Tot Ion:173 Resp: 40780

Ion Ratio Lower Upper

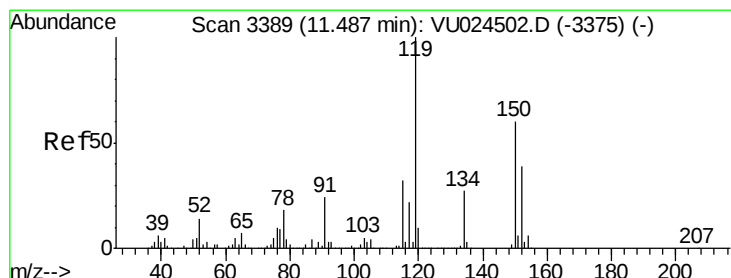
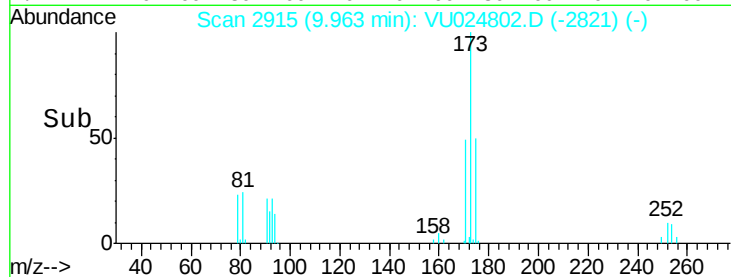
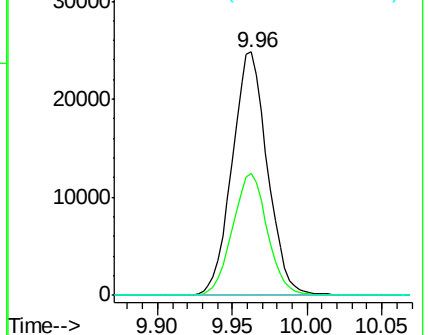
173 100

175 49.3 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: VU024802.D

Acq: 21 Jun 2018 11:32

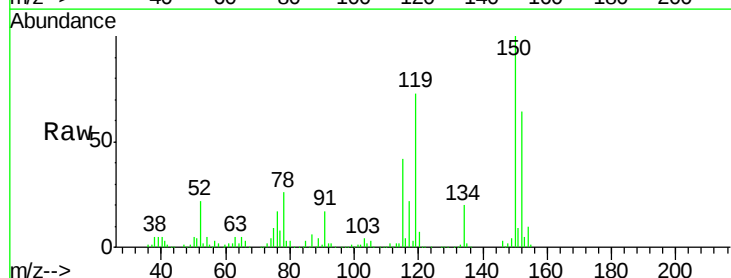
Tgt Ion:152 Resp: 138684

Ion Ratio Lower Upper

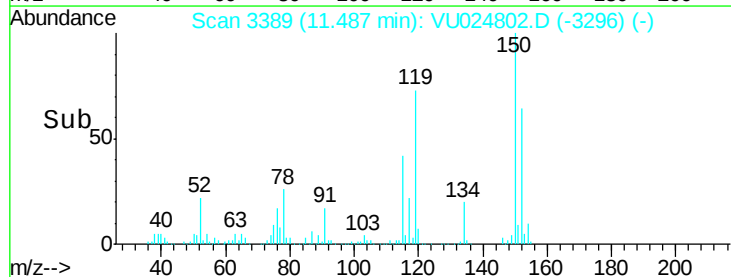
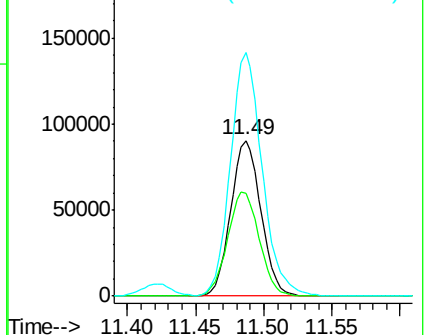
152 100

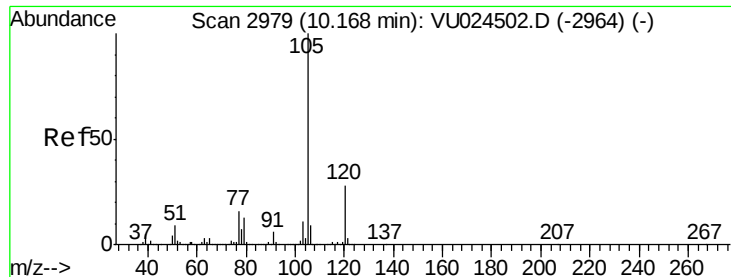
115 70.5 43.0 129.0

150 164.3 0.0 354.0



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





#73

Isopropylbenzene

Concen: 21.81 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

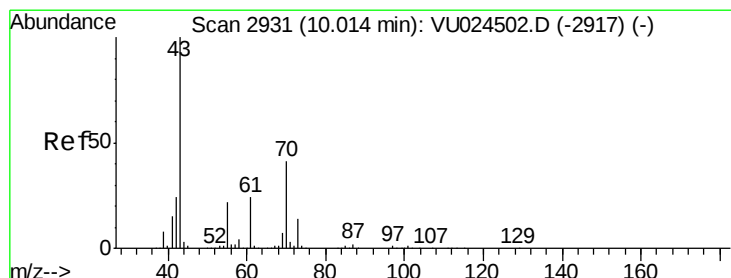
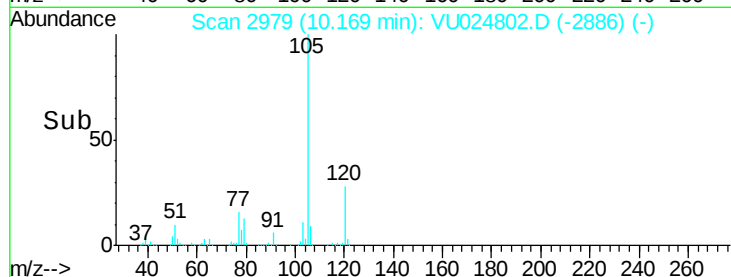
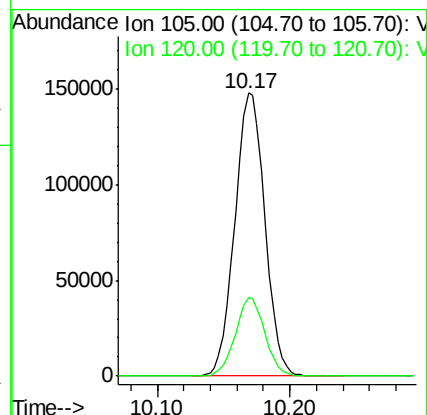
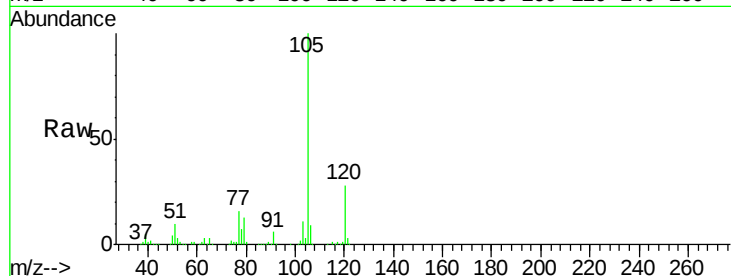
VU0621WBS01

Tot Ion:105 Resp: 232275

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6



#74

N-ethyl acetate

Concen: 19.81 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Tgt Ion: 43 Resp: 100306

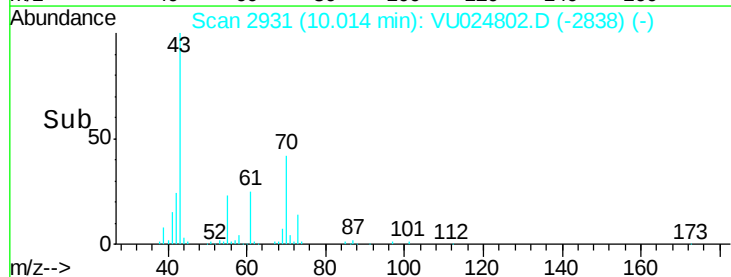
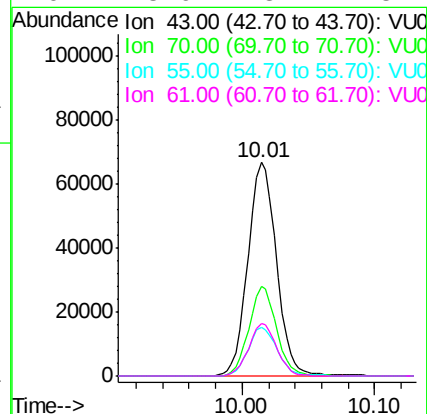
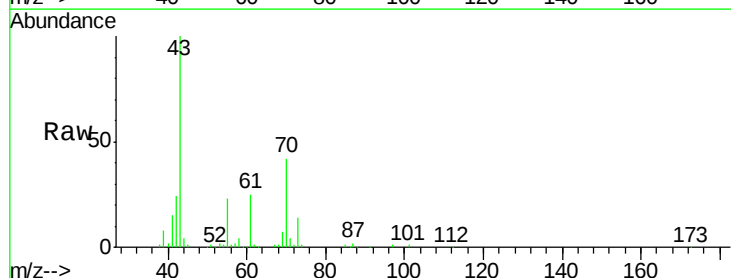
Ion Ratio Lower Upper

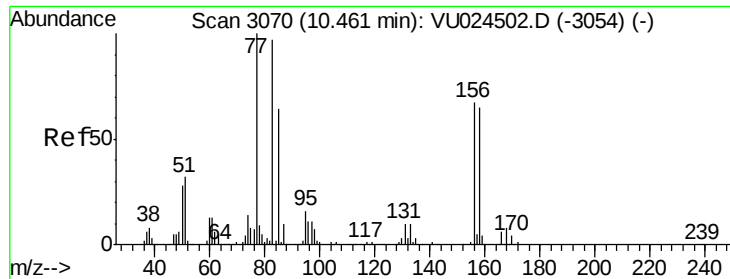
43 100

70 40.4 32.2 48.4

55 23.2 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.99 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

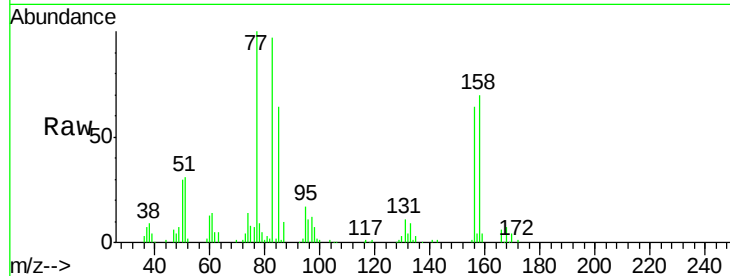
Tot Ion: 83 Resp: 74900

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

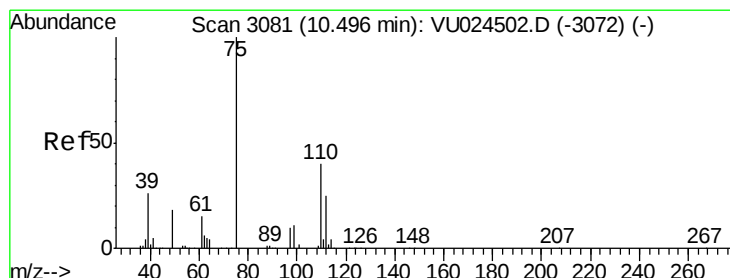
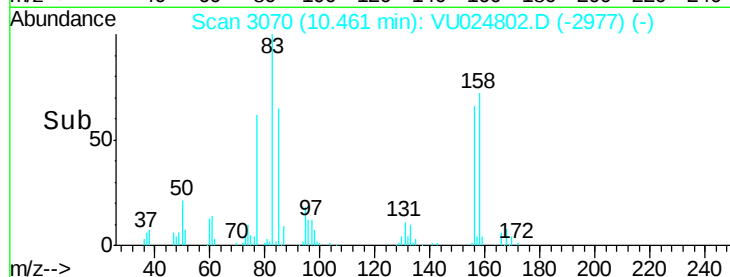
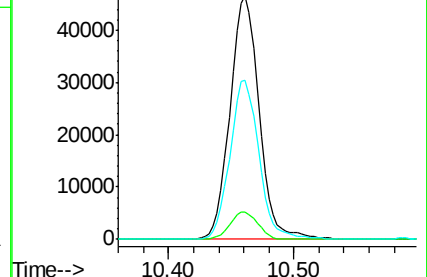
85 65.4 32.5 97.5



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: 27.93 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024802.D

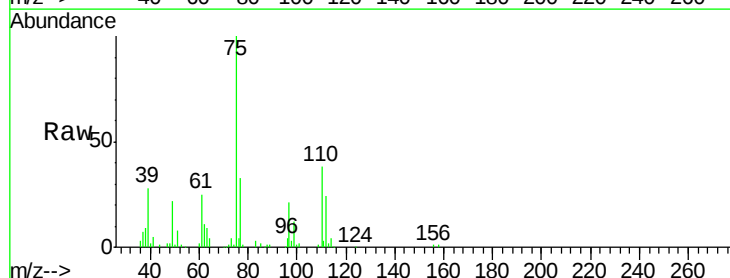
Acq: 21 Jun 2018 11:32

Tgt Ion: 75 Resp: 85277

Ion Ratio Lower Upper

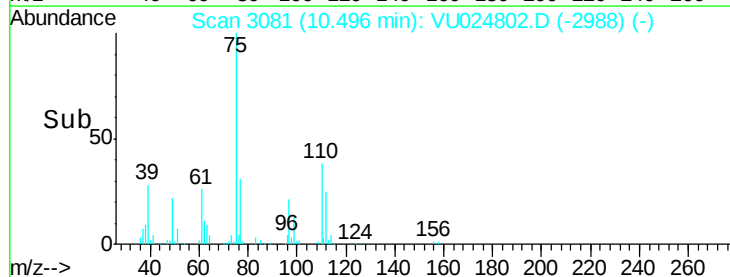
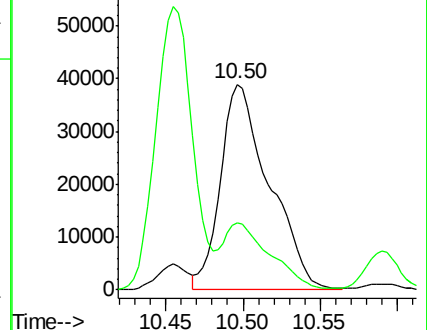
75 100

77 30.6 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 21.41 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

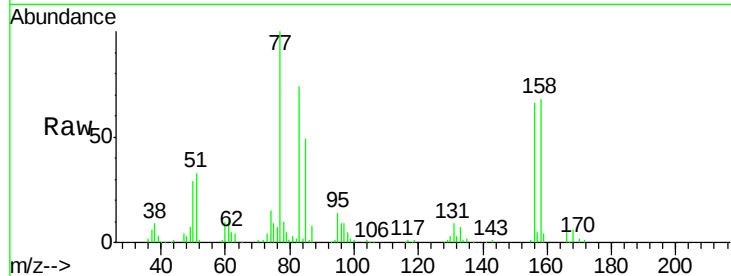
Tot Ion:156 Resp: 57701

Ion Ratio Lower Upper

156 100

77 153.5 80.5 241.3

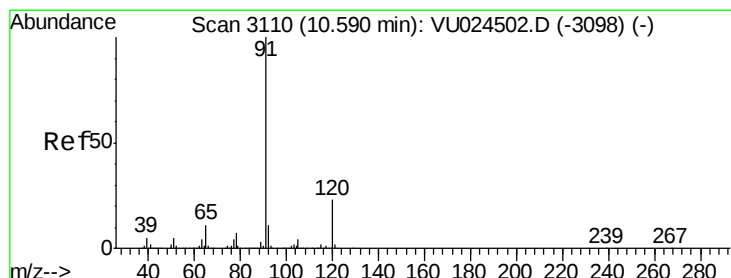
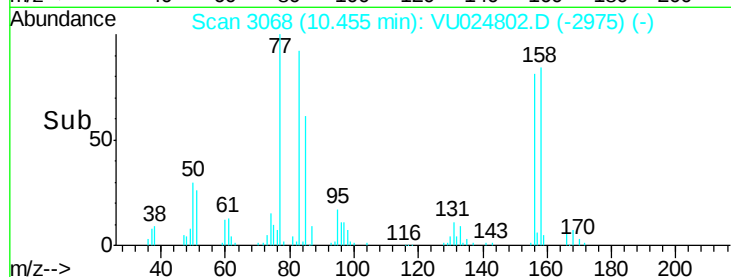
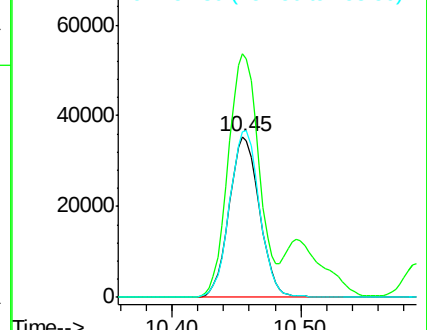
158 102.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.03 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024802.D

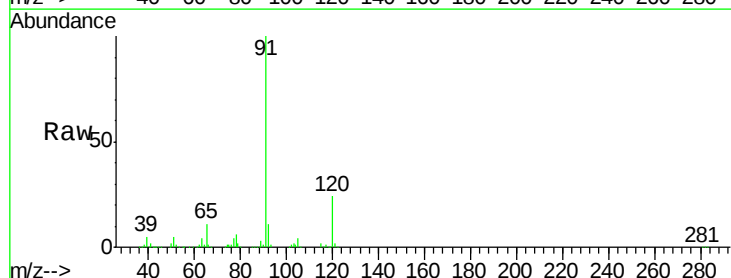
Acq: 21 Jun 2018 11:32

Tgt Ion: 91 Resp: 263801

Ion Ratio Lower Upper

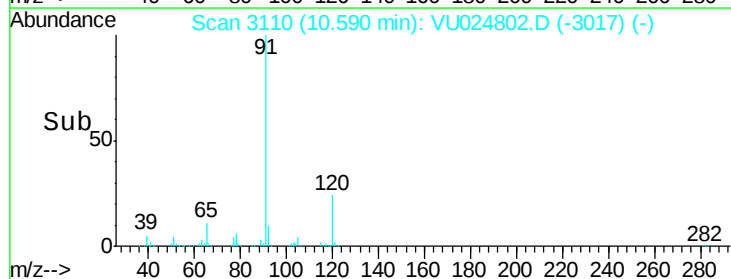
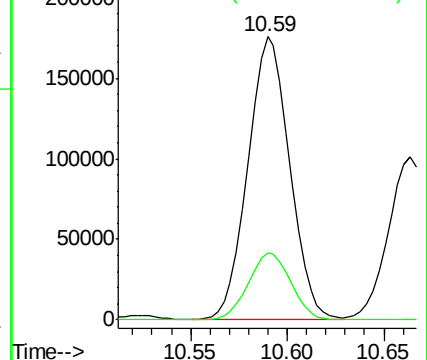
91 100

120 23.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.19 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

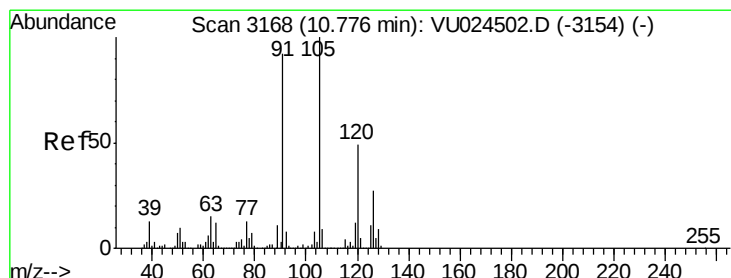
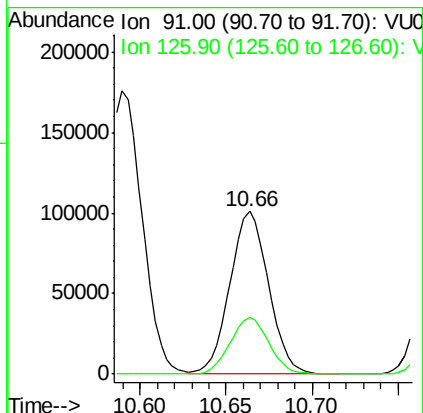
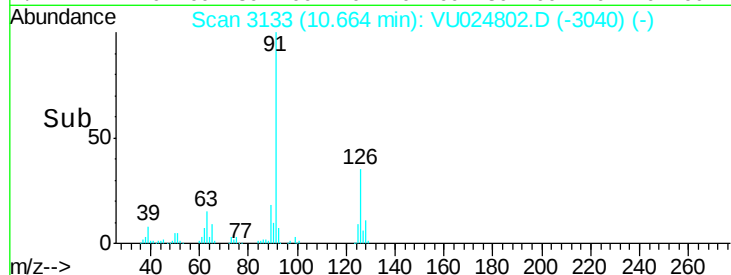
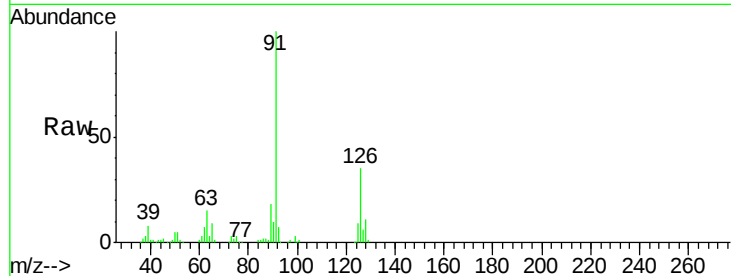
VU0621WBS01

Tot Ion: 91 Resp: 156766

Ion Ratio Lower Upper

91 100

126 35.3 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.59 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024802.D

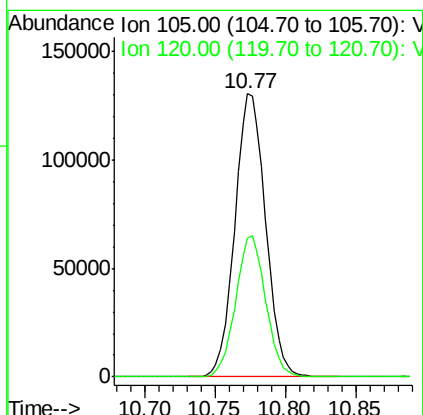
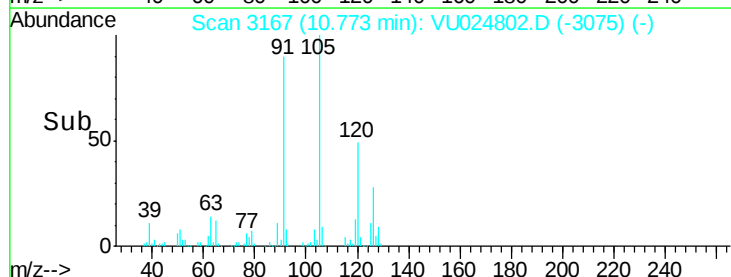
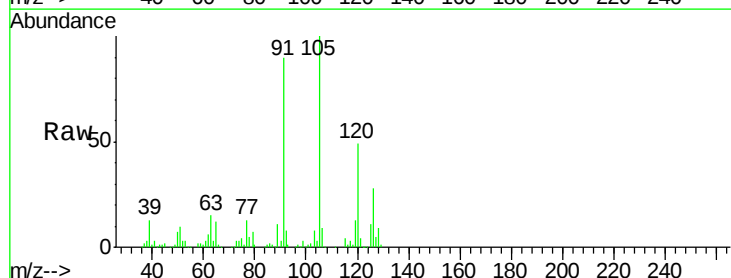
Acq: 21 Jun 2018 11:32

Tgt Ion: 105 Resp: 199214

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2

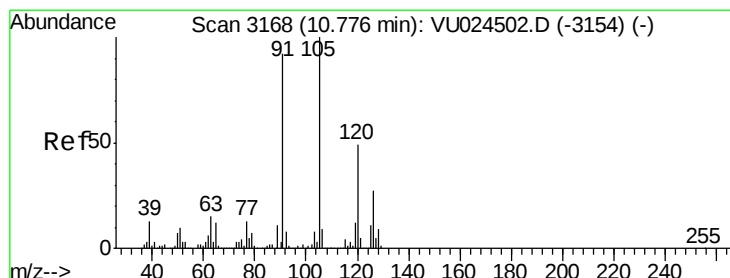
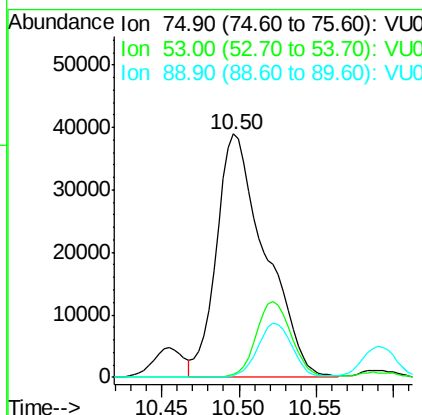
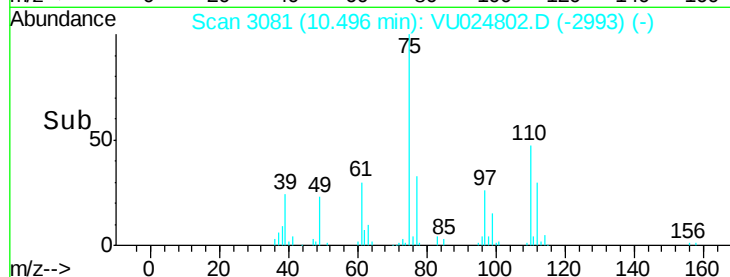
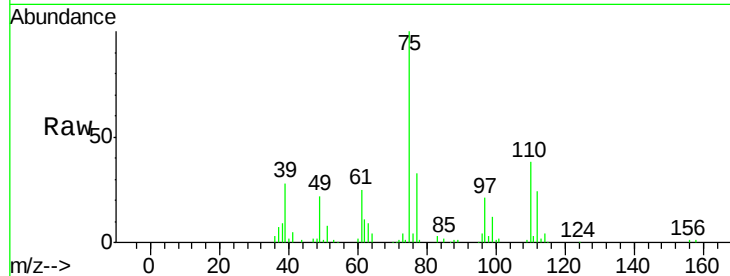




#81
trans-1,4-Dichloro-2-butene
Concen: 64.64 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

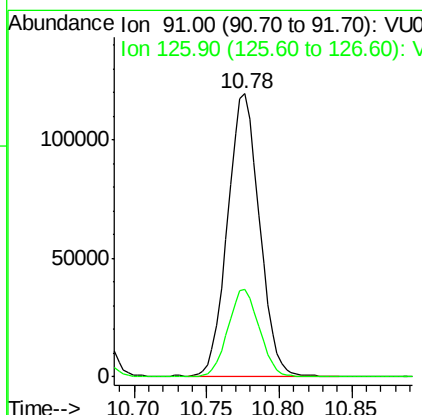
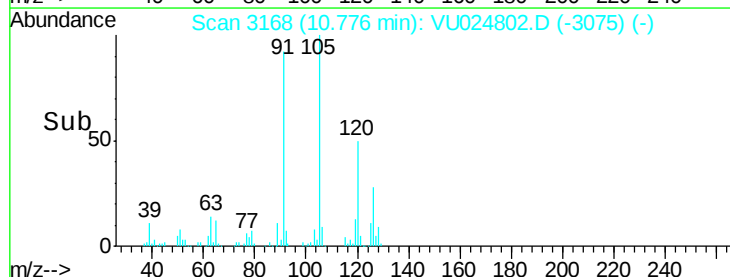
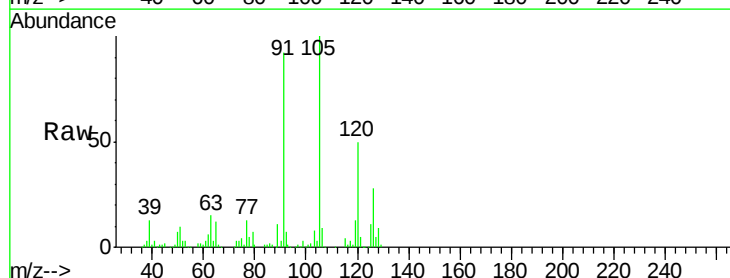
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBS01

Tot Ion: 75 Resp: 85277
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.12 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024802.D
Acq: 21 Jun 2018 11:32

Tgt Ion: 91 Resp: 181795
Ion Ratio Lower Upper
91 100
126 30.2 14.9 44.9

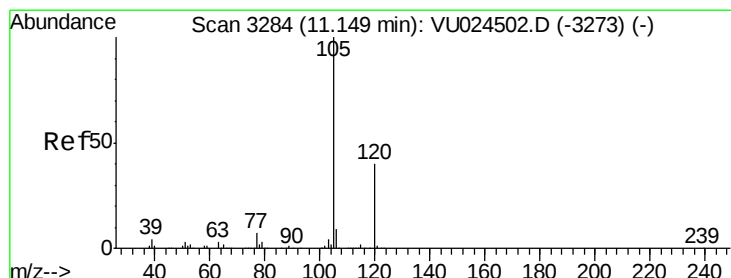
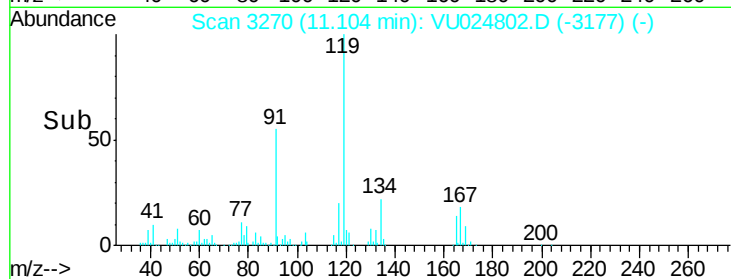
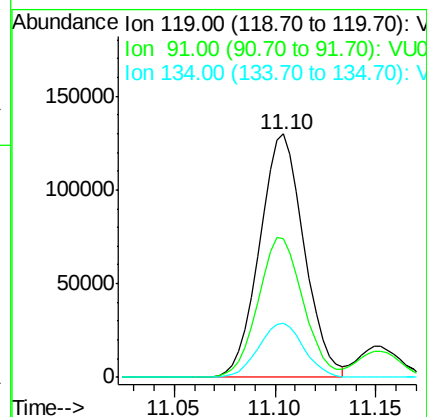
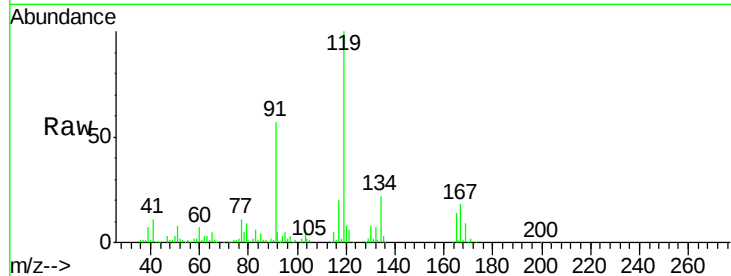




#83
 tert-Butylbenzene
 Concen: 22.54 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

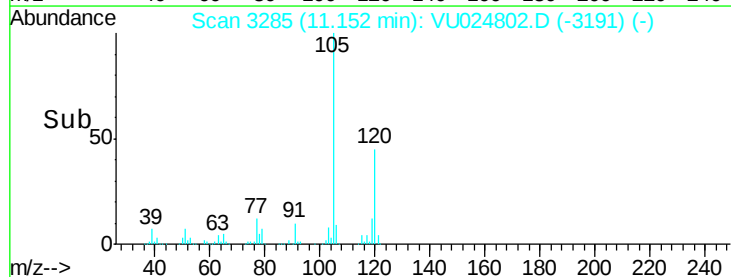
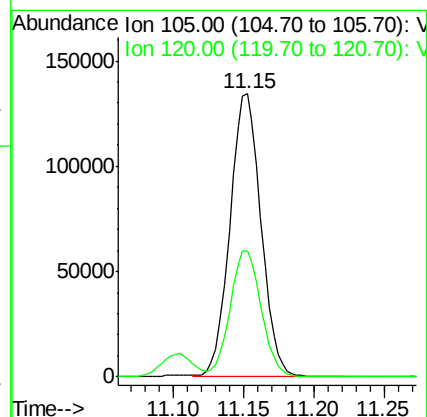
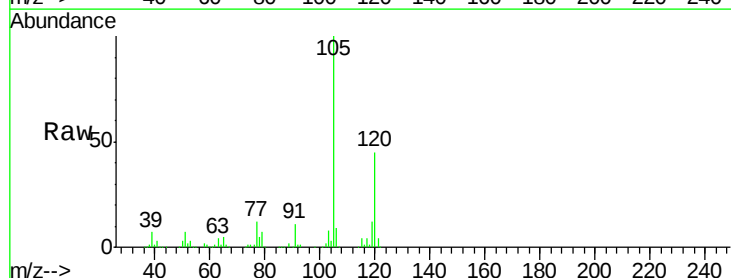
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

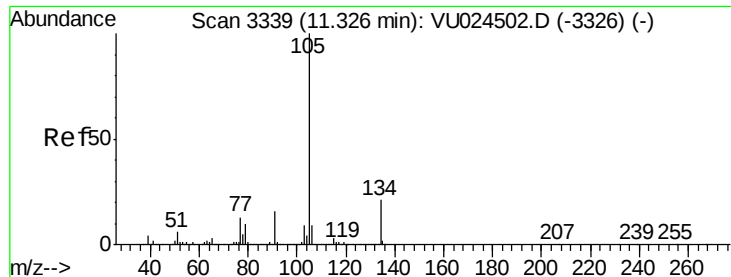
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.7	89.1
134	22.6	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.89 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 21.64 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

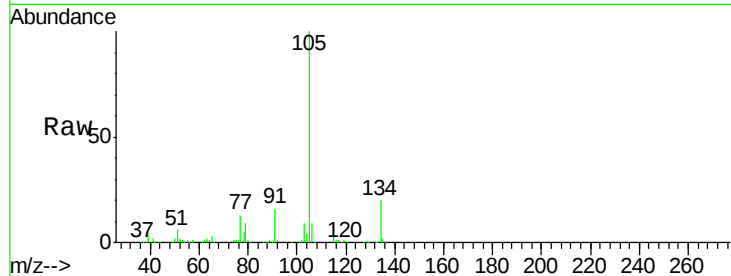
VU0621WBS01

Tot Ion:105 Resp: 240484

Ion Ratio Lower Upper

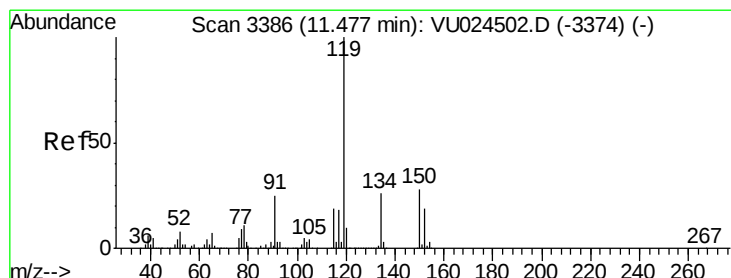
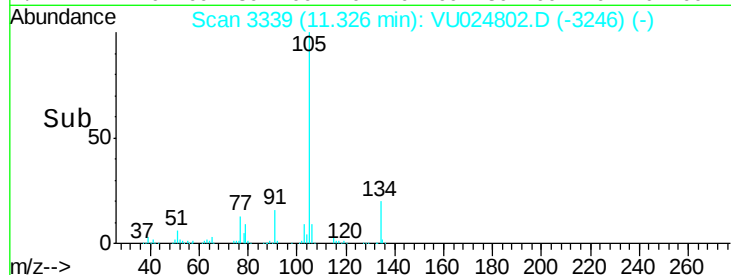
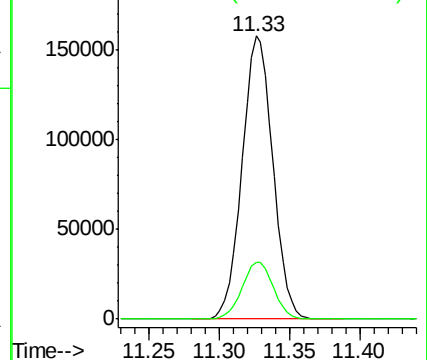
105 100

134 20.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.62 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

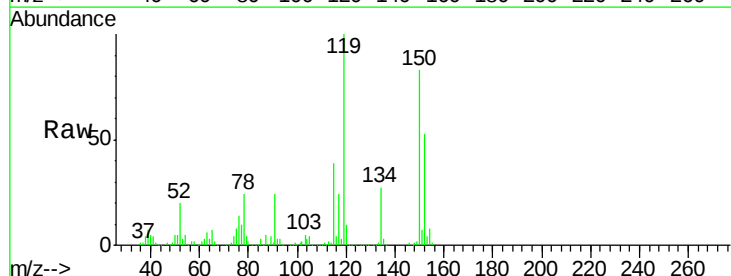
Tgt Ion:119 Resp: 215174

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

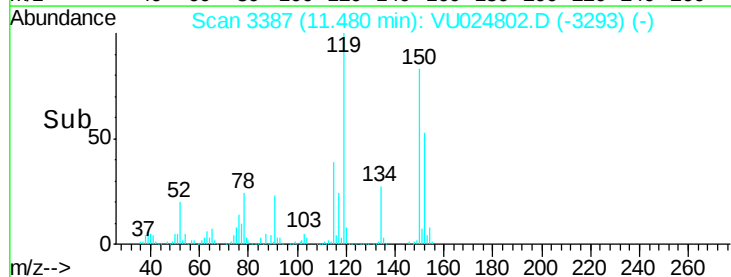
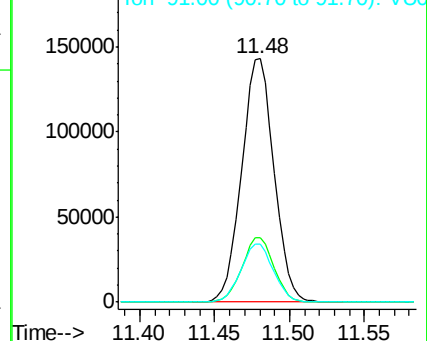
91 24.2 12.0 36.1

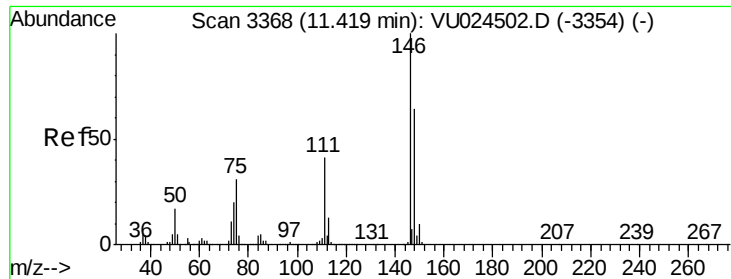


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

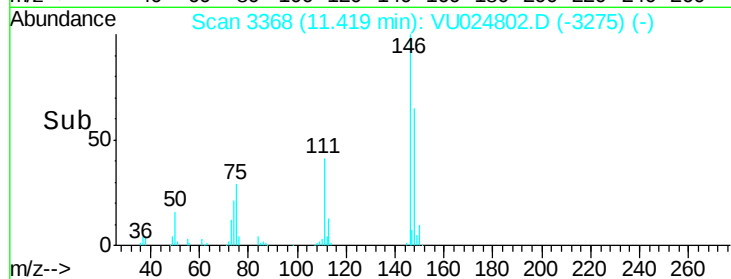
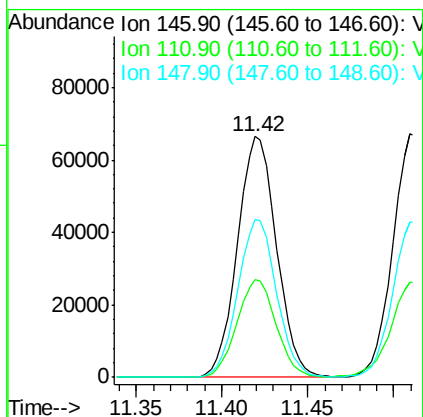
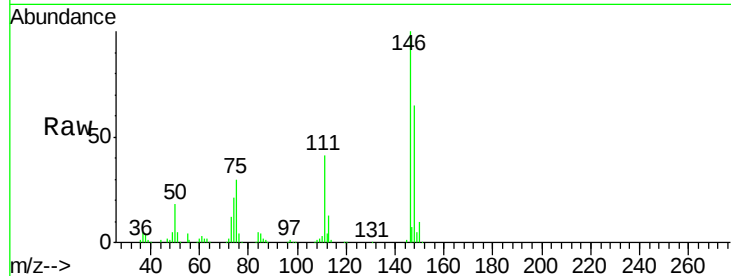




#87
 1,3-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

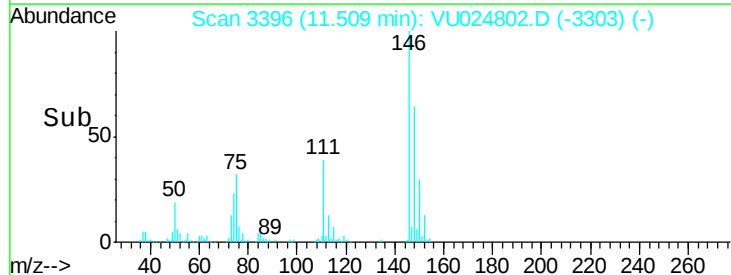
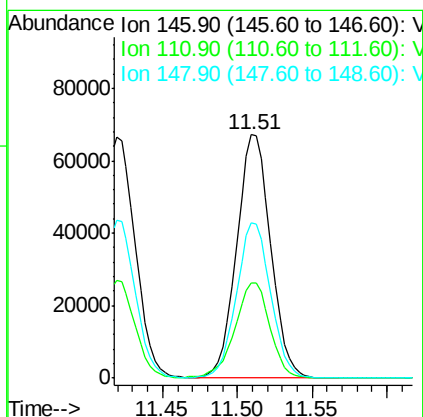
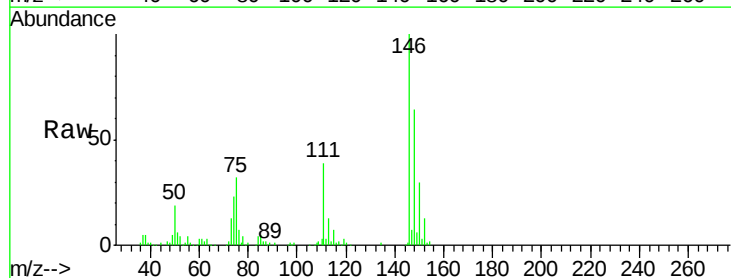
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

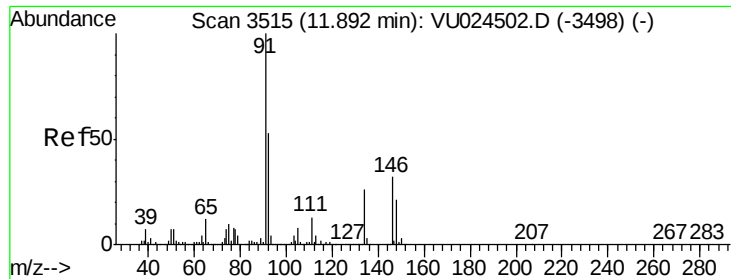
Tot Ion:146 Resp: 105263
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 65.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.08 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion:146 Resp: 105672
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.5 58.5
 148 64.7 32.4 97.0





#89

n-Butylbenzene

Concen: 20.25 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

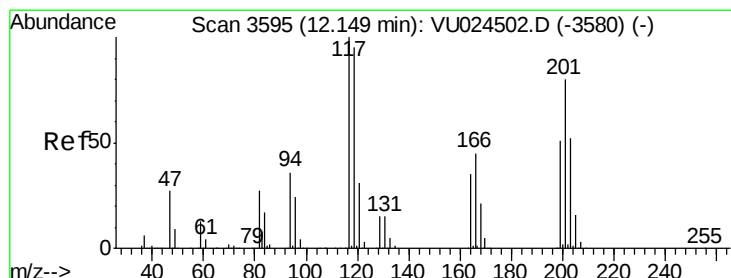
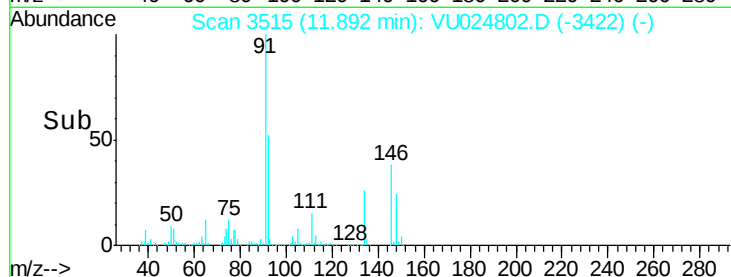
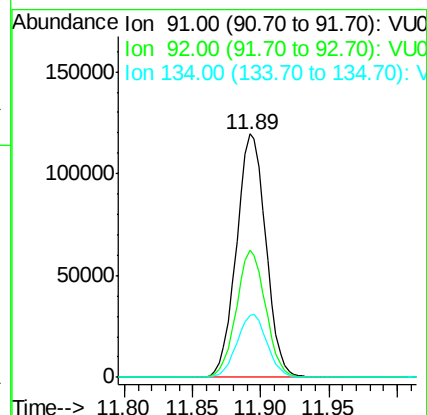
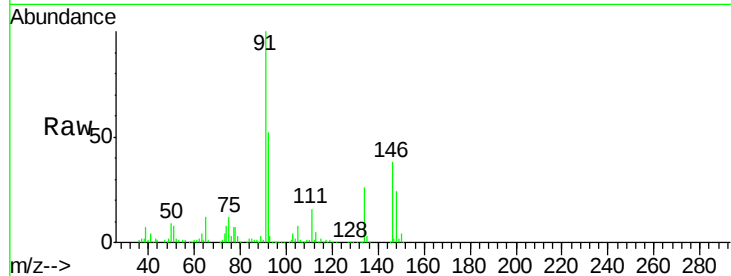
Tot Ion: 91 Resp: 178949

Ion Ratio Lower Upper

91 100

92 51.8 25.6 76.8

134 26.2 12.3 36.8



#90

Hexachloroethane

Concen: 19.61 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024802.D

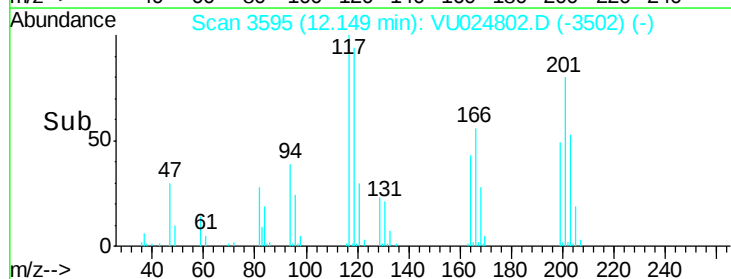
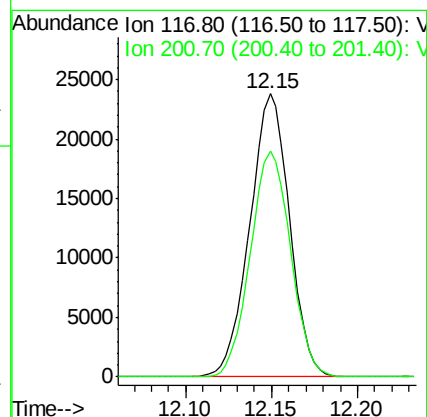
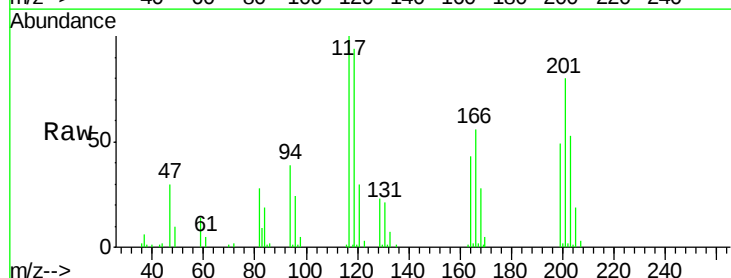
Acq: 21 Jun 2018 11:32

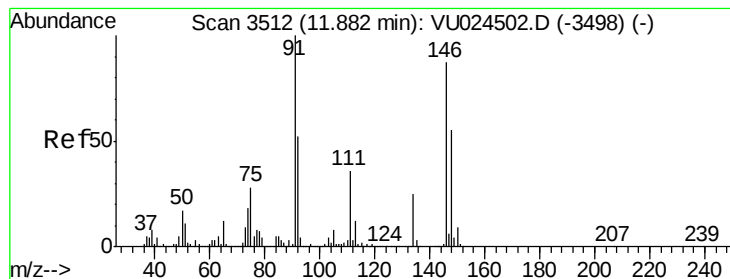
Tgt Ion: 117 Resp: 38072

Ion Ratio Lower Upper

117 100

201 80.8 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 21.41 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

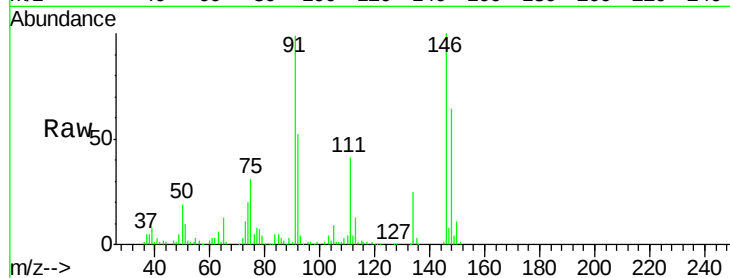
Tot Ion:146 Resp: 106786

Ion Ratio Lower Upper

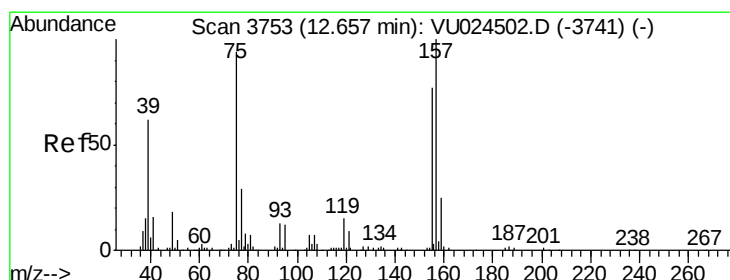
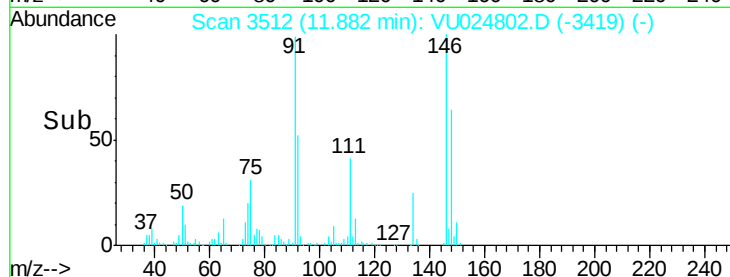
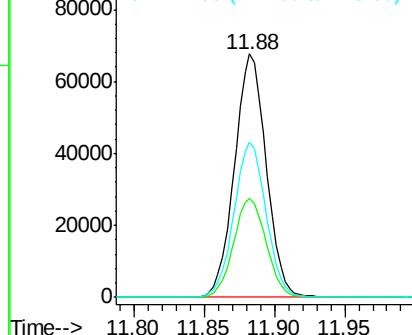
146 100

111 41.4 20.5 61.6

148 64.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.30 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

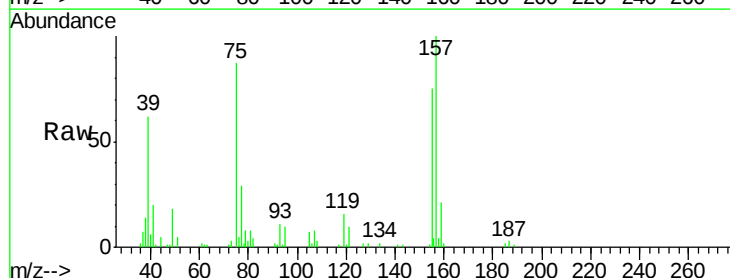
Tgt Ion: 75 Resp: 19000

Ion Ratio Lower Upper

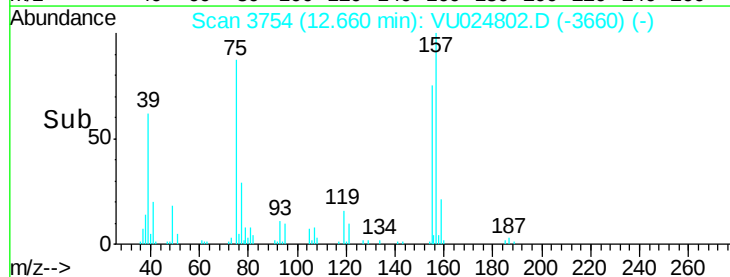
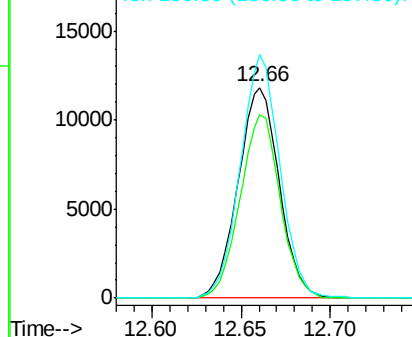
75 100

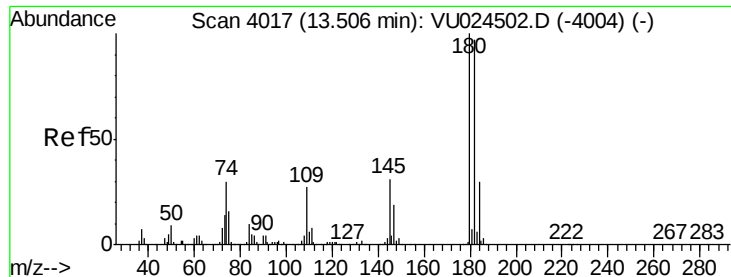
155 84.6 40.4 121.2

157 111.3 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

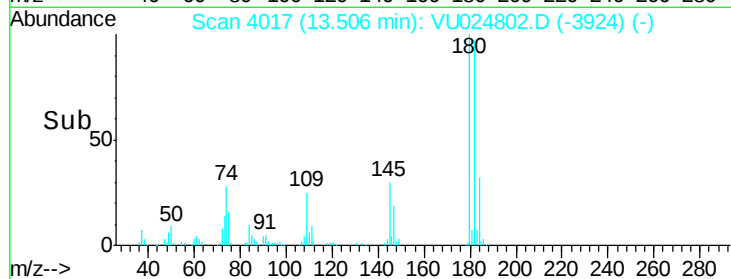
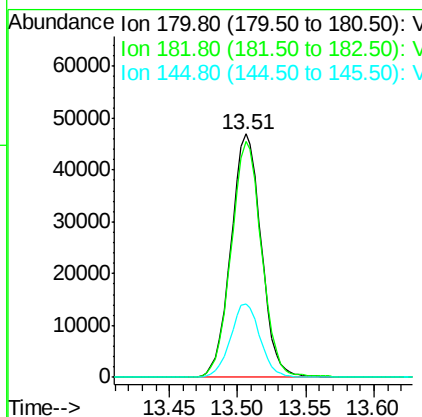
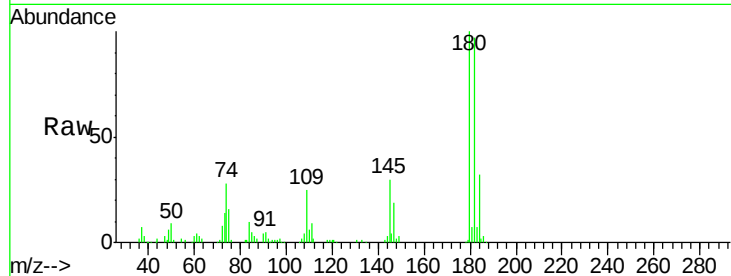




#93
 1,2,4-Trichlorobenzene
 Concen: 23.49 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

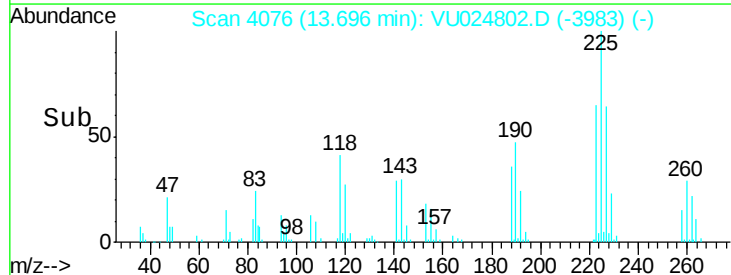
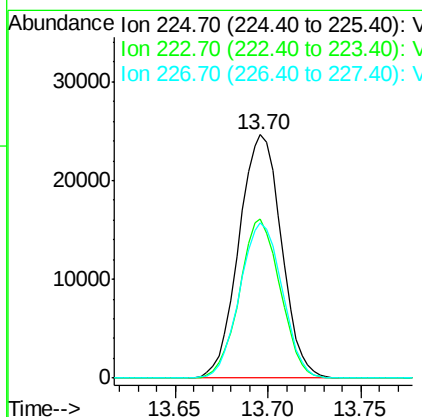
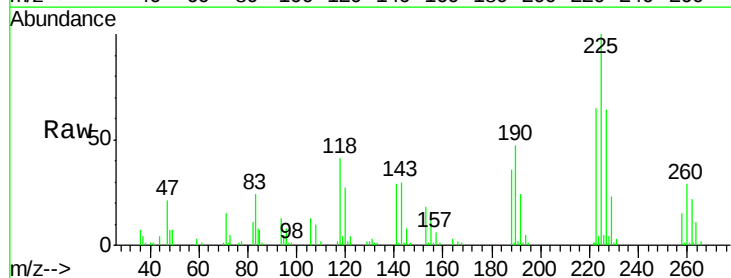
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBS01

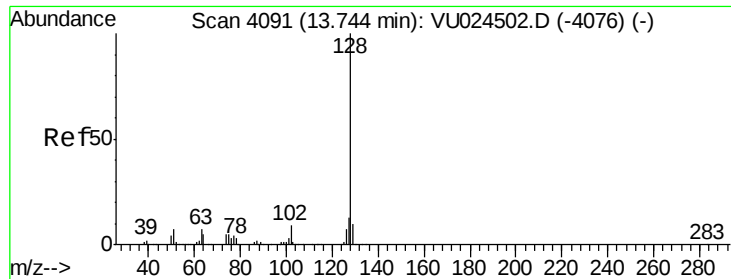
Tot Ion:180 Resp: 72372
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.0 144.2
 145 29.5 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 22.63 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024802.D
 Acq: 21 Jun 2018 11:32

Tgt Ion:225 Resp: 39229
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 63.5 31.8 95.4





#95

Naphthalene

Concen: 23.19 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBS01

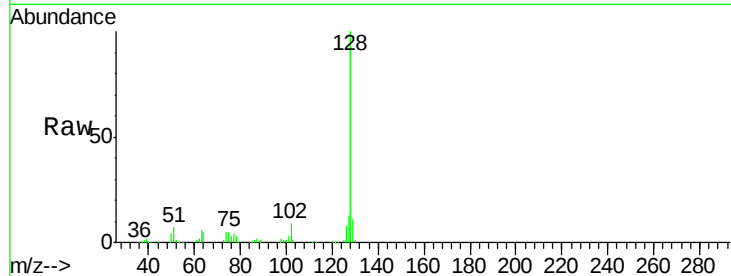
Tot Ion:128 Resp: 232719

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

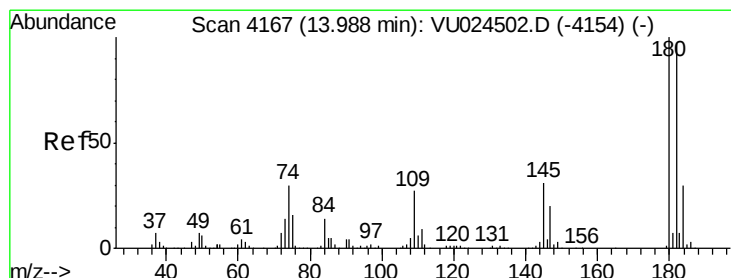
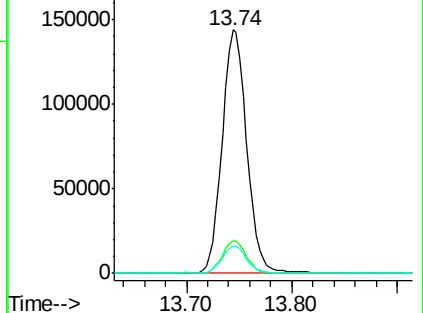
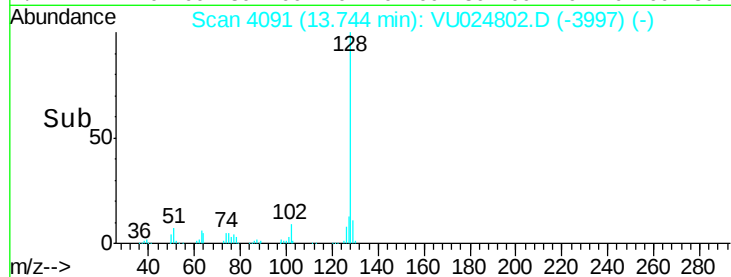
129 11.2 8.6 12.8



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: 25.04 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024802.D

Acq: 21 Jun 2018 11:32

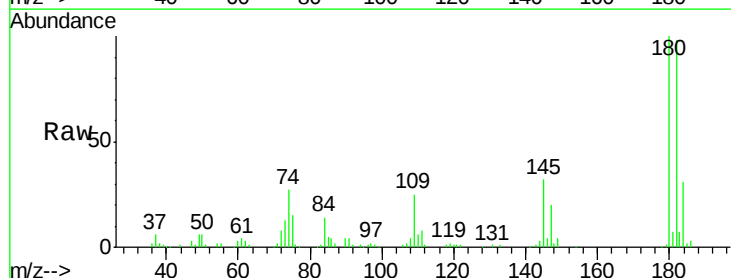
Tgt Ion:180 Resp: 76863

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 30.6 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

