

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025342.D
 Acq On : 12 Jul 2018 16:19
 Operator : MD/SY
 Sample : VU0712WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Quant Time: Jul 13 01:10:21 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	168831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	256753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	238144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125429	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	4.89	113	102465	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	7.57	98	332066	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
62) 4-Bromofluorobenzene	10.31	95	135911	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32401	18.54	ug/l	99
3) Chloromethane	1.33	50	33239	19.44	ug/l	99
4) Vinyl Chloride	1.40	62	36288	18.90	ug/l	99
5) Bromomethane	1.62	94	23135	20.44	ug/l	95
6) Chloroethane	1.70	64	24952	20.61	ug/l	95
7) Trichlorofluoromethane	1.89	101	60870	20.17	ug/l	97
8) Diethyl Ether	2.10	74	23095	20.40	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37737	20.18	ug/l	98
10) Methyl Iodide	2.41	142	36186	22.33	ug/l	99
11) Tert butyl alcohol	2.83	59	60474	105.68	ug/l	98
12) 1,1-Dichloroethene	2.28	96	34102	19.93	ug/l	98
13) Acrolein	2.20	56	18770	49.58	ug/l	94
14) Allyl chloride	2.59	41	59032	19.02	ug/l	98
15) Acrylonitrile	2.94	53	122987	104.54	ug/l	99
16) Acetone	2.32	43	137324	105.47	ug/l	99
17) Carbon Disulfide	2.48	76	79607	17.23	ug/l	98
18) Methyl Acetate	2.62	43	61517	22.91	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	141344	21.71	ug/l	100
20) Methylene Chloride	2.70	84	42751	21.47	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	37437	19.14	ug/l	99
22) Diisopropyl ether	3.57	45	137302	21.66	ug/l	96
23) Vinyl Acetate	3.53	43	579400	104.20	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76888	21.51	ug/l	99
25) 2-Butanone	4.26	43	188387	103.62	ug/l	100
26) 2,2-Dichloropropane	4.23	77	70099	20.39	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	46467	20.53	ug/l	100
28) Bromochloromethane	4.55	49	36651	21.23	ug/l	98
29) Tetrahydrofuran	4.64	42	114369	104.88	ug/l	98
30) Chloroform	4.68	83	81520	21.53	ug/l	100
31) Cyclohexane	5.00	56	65771	20.30	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	73062	21.30	ug/l	100
36) 1,1-Dichloropropene	5.14	75	54072	18.94	ug/l	99
37) Ethyl Acetate	4.38	43	67091	21.08	ug/l	99
38) Carbon Tetrachloride	5.14	117	60957	19.84	ug/l	100

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 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Quant Time: Jul 13 01:10:21 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	65285	18.34	ug/l	98
40) Benzene	5.39	78	166077	20.19	ug/l	98
41) Methacrylonitrile	4.54	41	36810	20.86	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68778	21.03	ug/l	100
43) Isopropyl Acetate	5.55	43	106419	20.88	ug/l	100
44) Trichloroethene	6.19	130	45764	19.38	ug/l	100
45) 1,2-Dichloropropane	6.44	63	44969	20.87	ug/l	99
46) Dibromomethane	6.56	93	31338	19.99	ug/l	99
47) Bromodichloromethane	6.76	83	58443	20.07	ug/l	98
48) Methyl methacrylate	6.63	41	53240	20.95	ug/l	99
49) 1,4-Dioxane	6.62	88	26204	428.52	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	344481	103.97	ug/l	99
52) Toluene	7.64	92	106451	20.34	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	62840	19.64	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	66925	19.65	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	44141	20.25	ug/l	97
56) Ethyl methacrylate	8.02	69	67919	19.95	ug/l	98
57) 1,3-Dichloropropane	8.25	76	74727	20.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	124366	82.08	ug/l	100
59) 2-Hexanone	8.36	43	272169	101.27	ug/l	99
60) Dibromochloromethane	8.48	129	46752	19.86	ug/l	99
61) 1,2-Dibromoethane	8.59	107	48320	20.72	ug/l	98
64) Tetrachloroethene	8.23	164	43001	19.81	ug/l	98
65) Chlorobenzene	9.12	112	119029	20.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	44578	20.95	ug/l	97
67) Ethyl Benzene	9.25	91	205592	20.27	ug/l	99
68) m/p-Xylenes	9.38	106	158816	40.50	ug/l	97
69) o-Xylene	9.78	106	80205	20.43	ug/l	97
70) Styrene	9.80	104	127728	20.48	ug/l	100
71) Bromoform	9.96	173	34978	20.03	ug/l #	100
73) Isopropylbenzene	10.17	105	219342	20.81	ug/l	99
74) N-amyl acetate	10.01	43	88920	21.36	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73349	21.27	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	82982	29.51	ug/l	84
77) Bromobenzene	10.45	156	55480	20.57	ug/l	98
78) n-propylbenzene	10.59	91	238335	20.38	ug/l	100
79) 2-Chlorotoluene	10.66	91	147351	22.02	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	184856	20.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	82982	75.50	ug/l #	100
82) 4-Chlorotoluene	10.78	91	164989	19.92	ug/l	100
83) tert-Butylbenzene	11.10	119	186036	20.76	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	185575	20.42	ug/l	100
85) sec-Butylbenzene	11.33	105	217431	20.60	ug/l	100
86) p-Isopropyltoluene	11.48	119	189776	20.31	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	97022	19.69	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	97275	21.09	ug/l	97
89) n-Butylbenzene	11.89	91	143001	18.62	ug/l	100
90) Hexachloroethane	12.15	117	29784	18.82	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	101631	20.42	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17430	20.84	ug/l	96

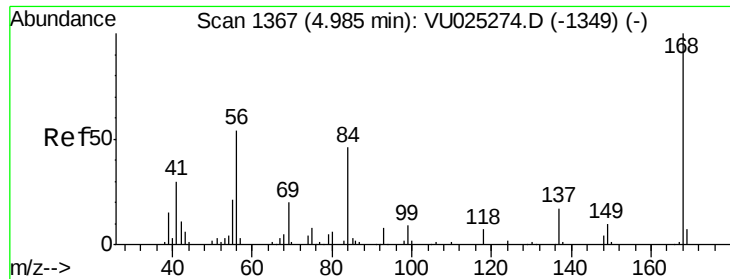
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
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Acq On : 12 Jul 2018 16:19
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Quant Time: Jul 13 01:10:21 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	59969	20.10	ug/l	100
94) Hexachlorobutadiene	13.70	225	34040	19.12	ug/l	98
95) Naphthalene	13.75	128	187815	20.06	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62426	20.05	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

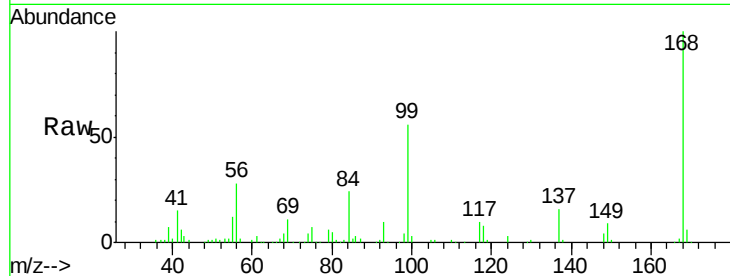
VU0712WBS02

Tot Ion:168 Resp: 168831

Ion Ratio Lower Upper

168 100

99 55.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

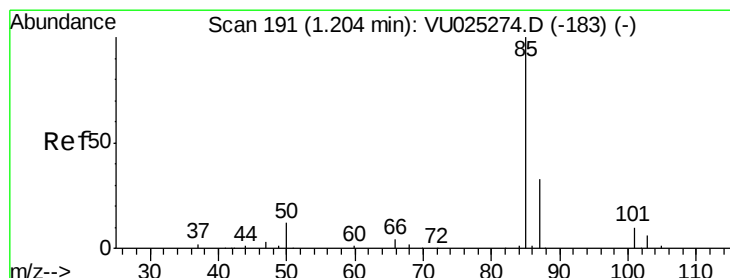
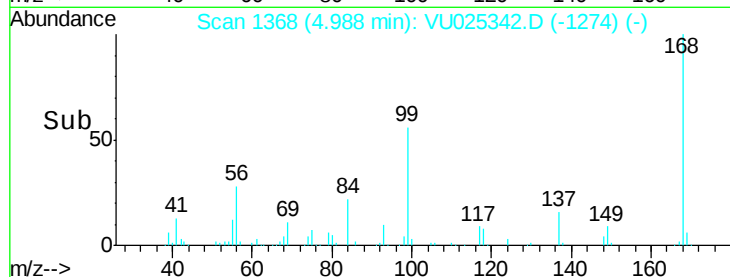
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.54 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025342.D

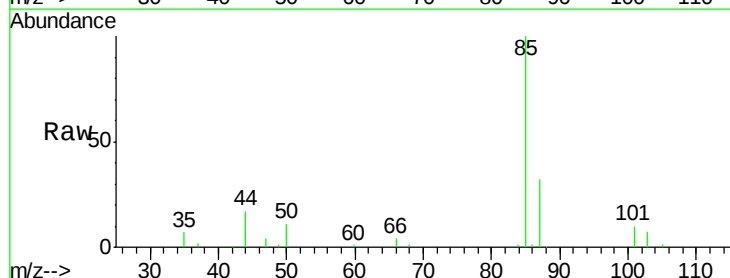
Acq: 12 Jul 2018 16:19

Tgt Ion: 85 Resp: 32401

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

30000

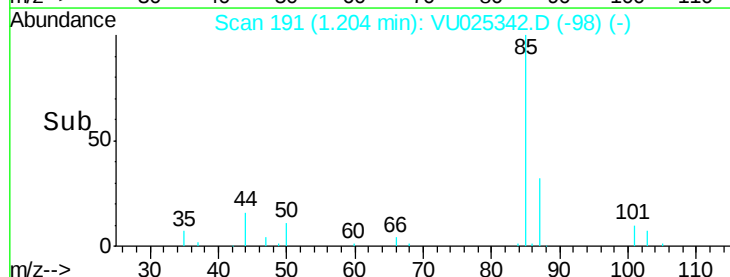
20000

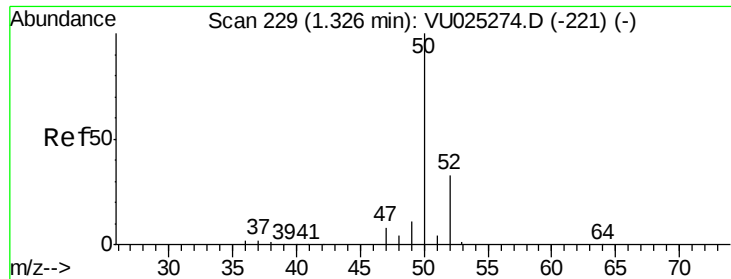
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.44 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

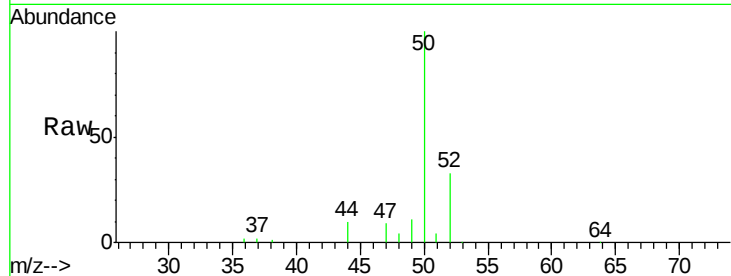
VU0712WBS02

Tot Ion: 50 Resp: 33239

Ion Ratio Lower Upper

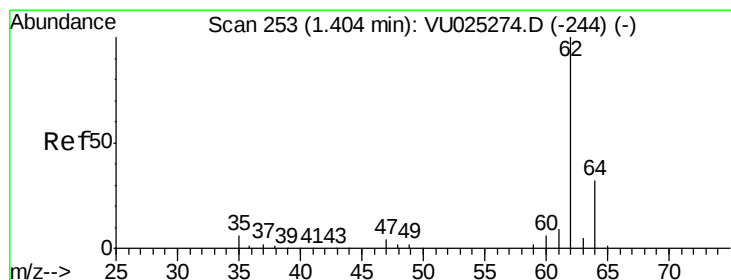
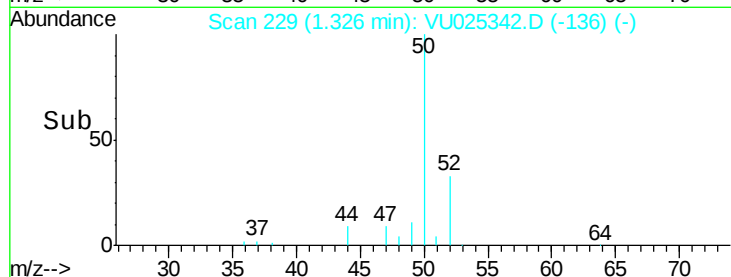
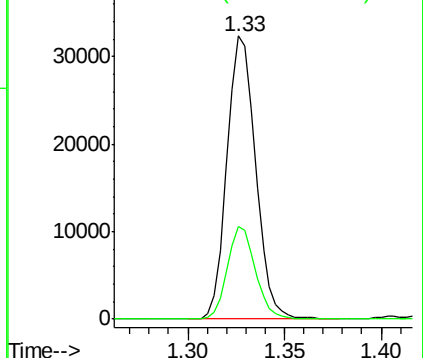
50 100

52 32.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.90 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025342.D

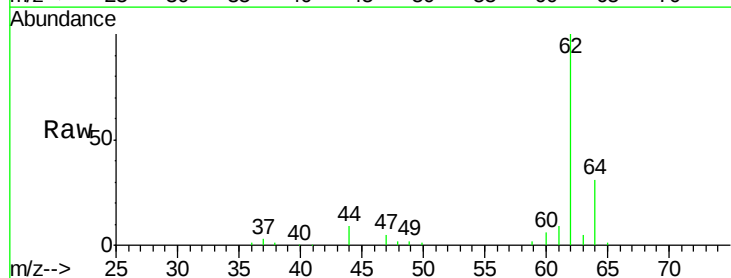
Acq: 12 Jul 2018 16:19

Tgt Ion: 62 Resp: 36288

Ion Ratio Lower Upper

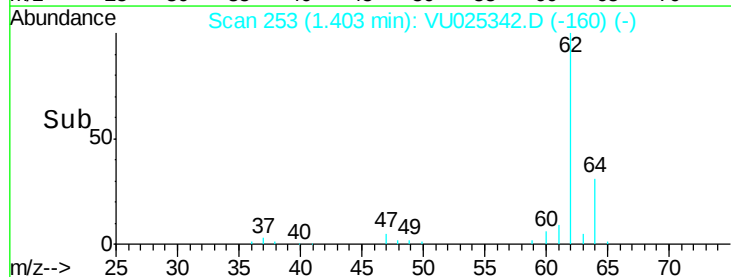
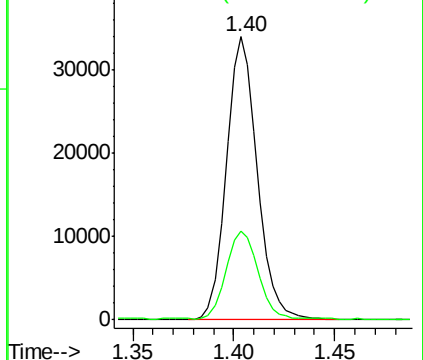
62 100

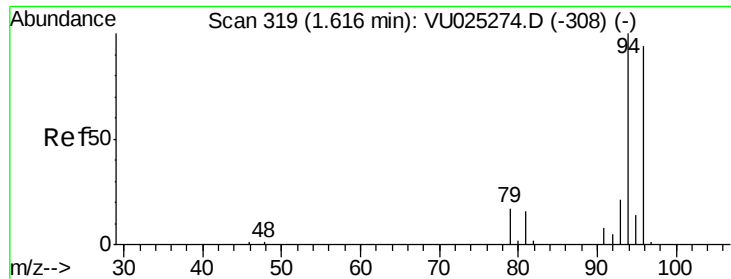
64 31.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.44 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

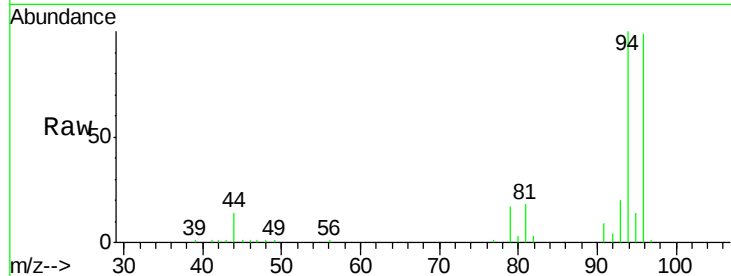
VU0712WBS02

Tot Ion: 94 Resp: 23135

Ion Ratio Lower Upper

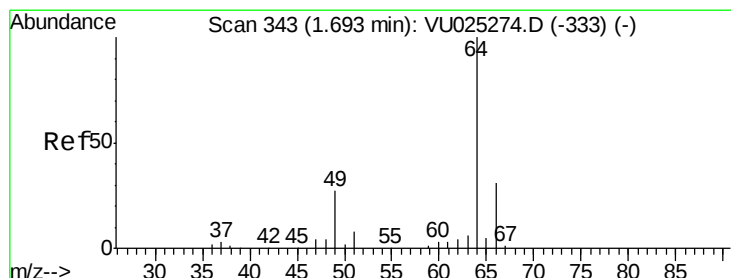
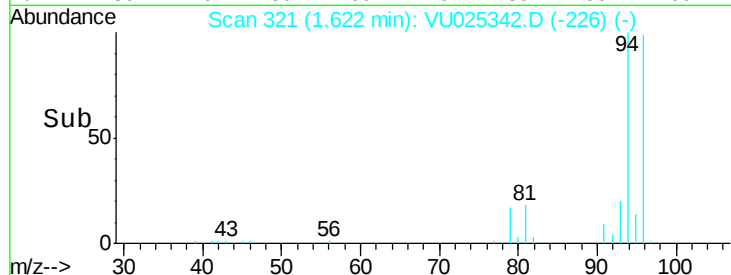
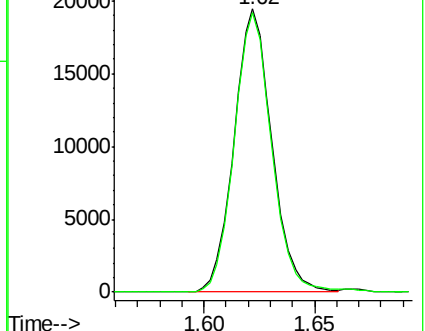
94 100

96 98.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.61 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025342.D

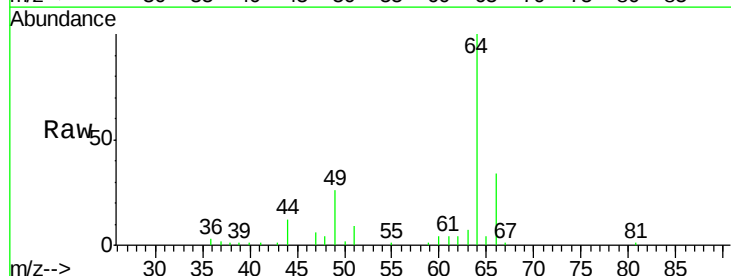
Acq: 12 Jul 2018 16:19

Tgt Ion: 64 Resp: 24952

Ion Ratio Lower Upper

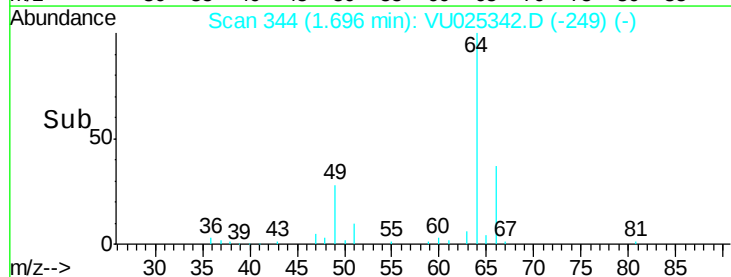
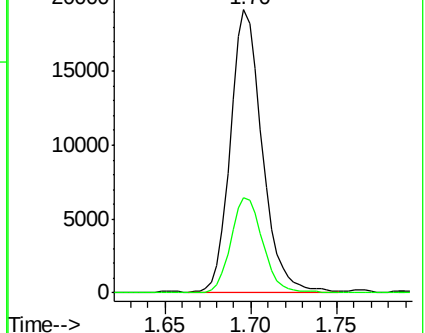
64 100

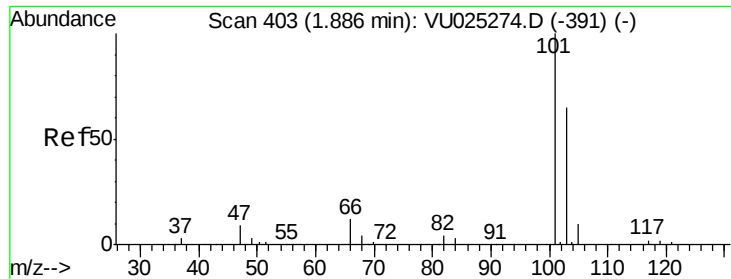
66 33.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



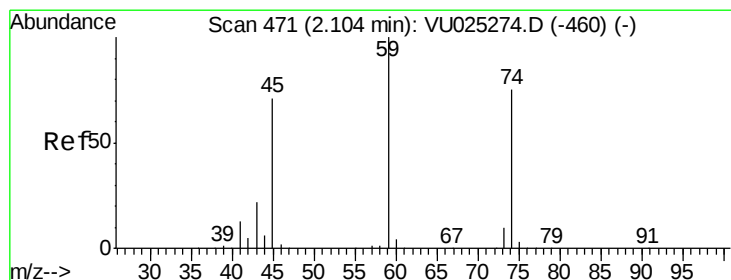
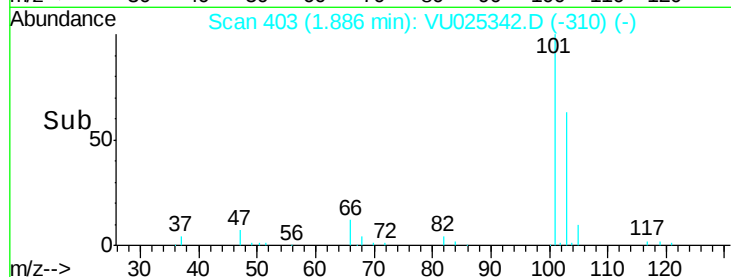
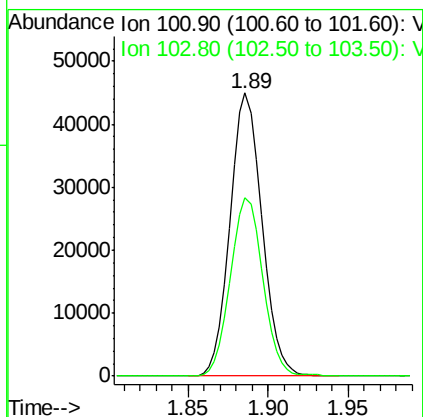
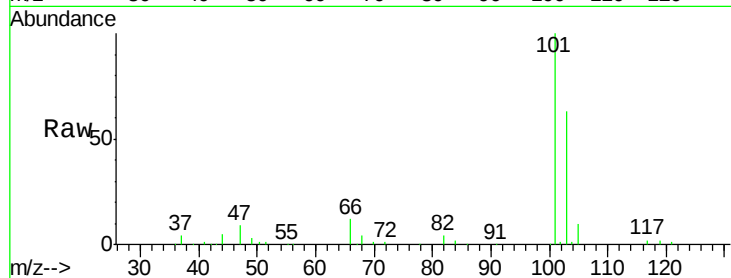


#7

Trichlorofluoromethane
 Concen: 20.17 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

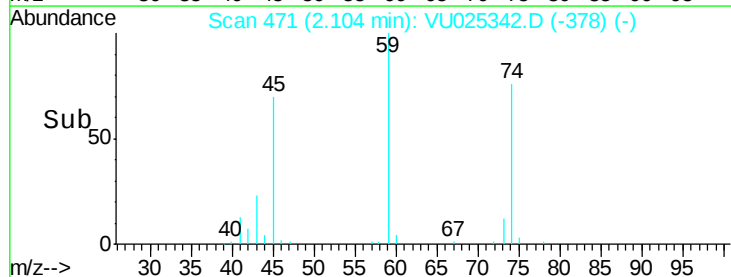
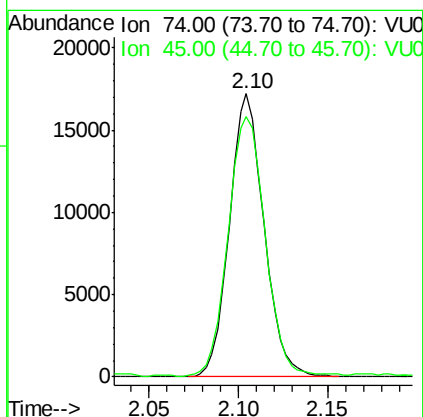
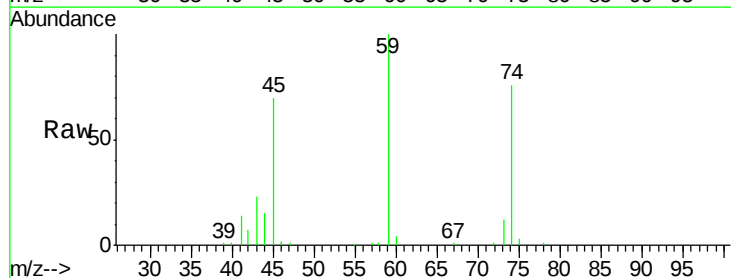
Tot Ion:101 Resp: 60870
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.2 78.2

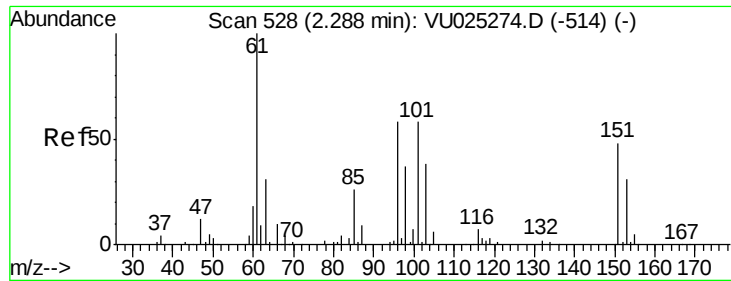


#8

Diethyl Ether
 Concen: 20.40 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 74 Resp: 23095
 Ion Ratio Lower Upper
 74 100
 45 99.5 48.3 144.9

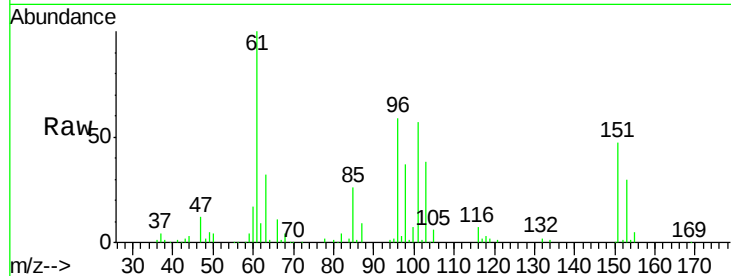




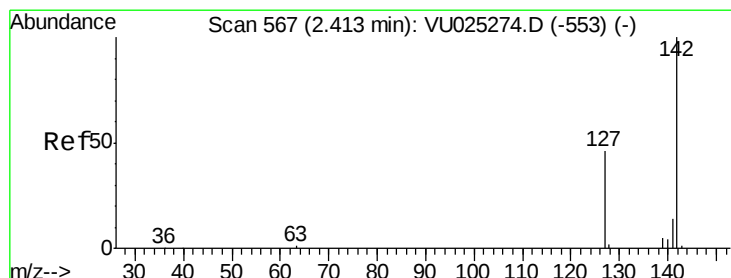
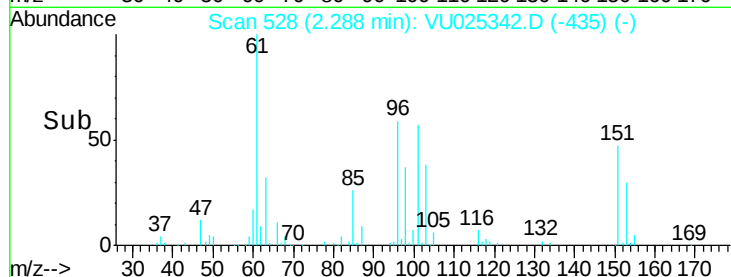
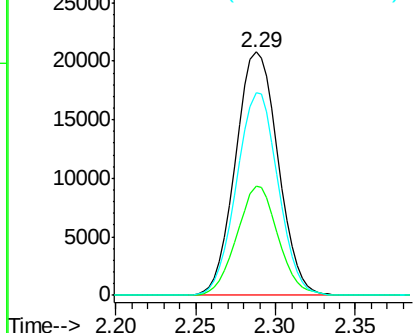
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.18 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion:101 Resp: 37737
 Ion Ratio Lower Upper
 101 100
 85 43.4 36.0 54.0
 151 81.1 65.6 98.4

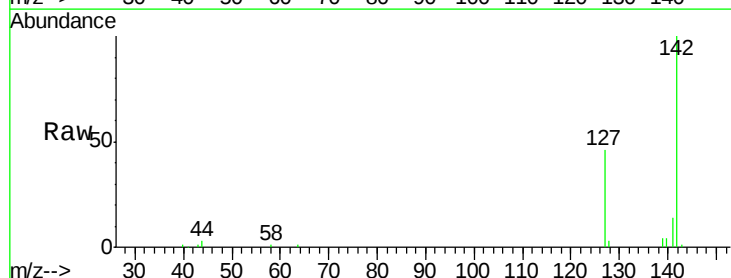


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 150.80 (150.50 to 151.50): V

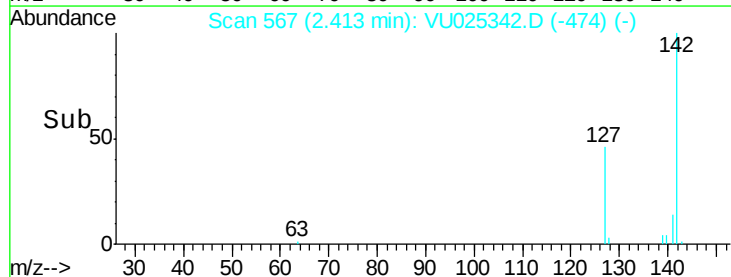
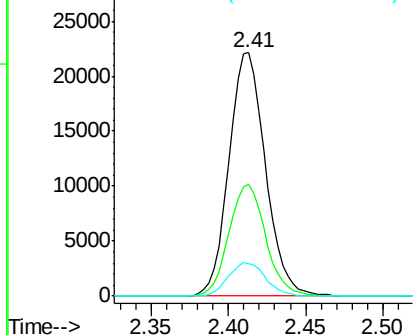


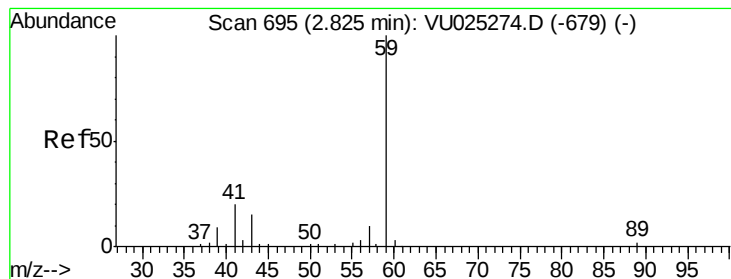
#10
 Methyl Iodide
 Concen: 22.33 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion:142 Resp: 36186
 Ion Ratio Lower Upper
 142 100
 127 46.2 36.5 54.7
 141 14.0 11.4 17.2



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



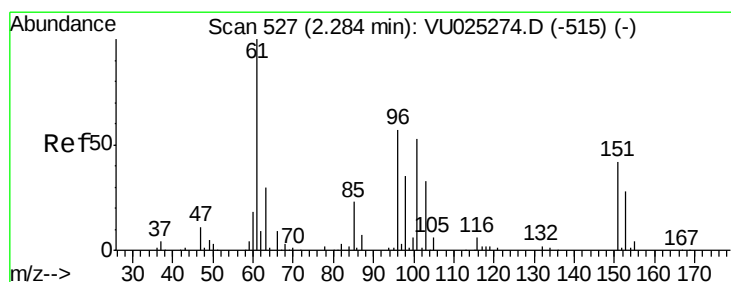
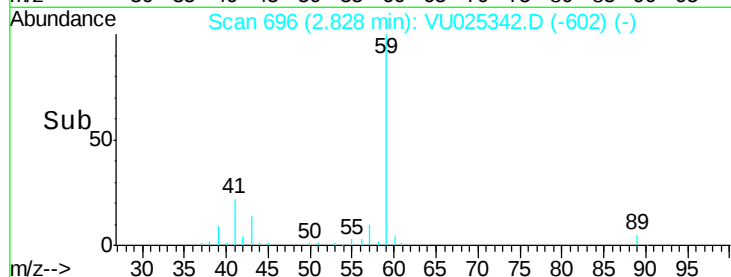
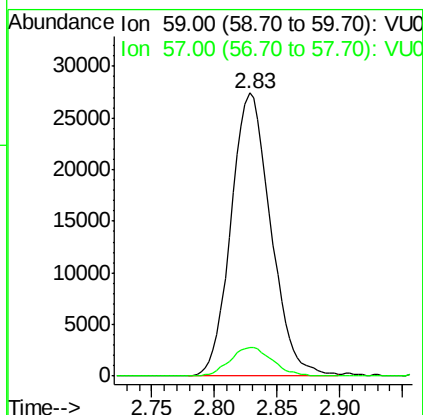
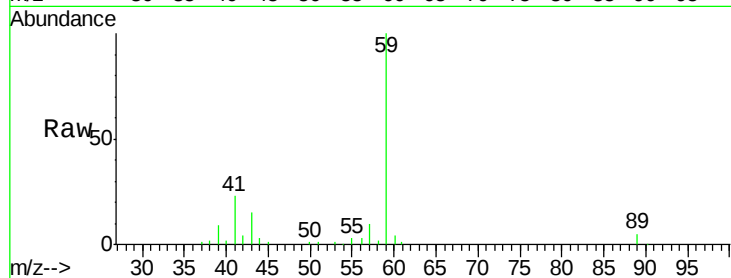


#11

Tert butyl alcohol
 Concen: 105.68 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

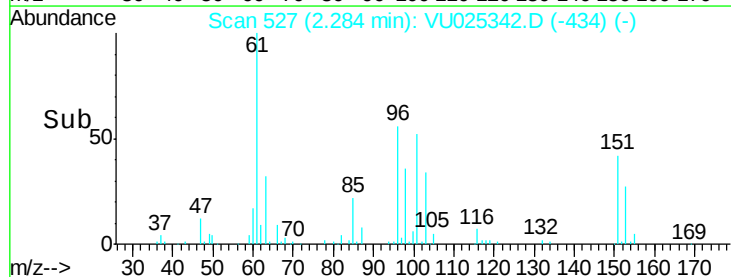
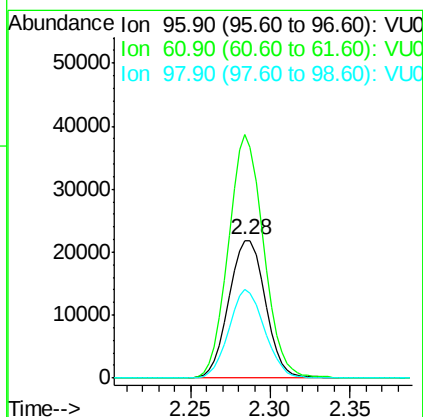
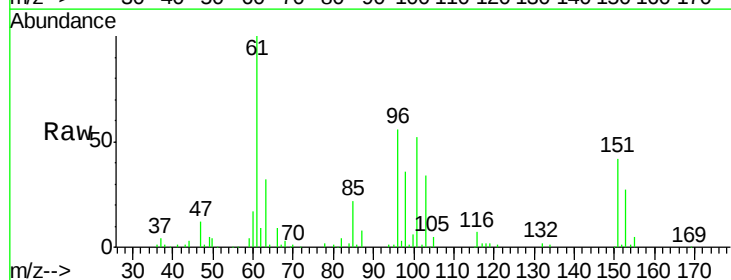
Tot Ion: 59 Resp: 60474
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.2

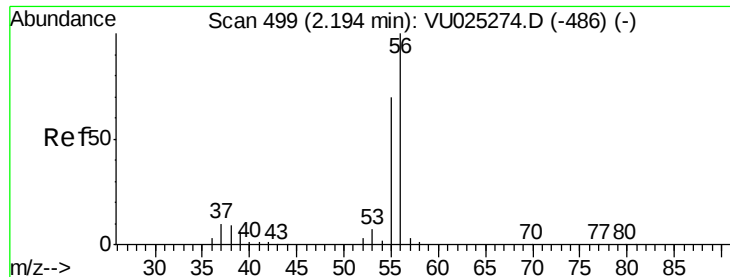


#12

1,1-Dichloroethene
 Concen: 19.93 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 96 Resp: 34102
 Ion Ratio Lower Upper
 96 100
 61 177.0 140.2 210.4
 98 64.6 49.3 73.9





#13

Acrolein

Concen: 49.58 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

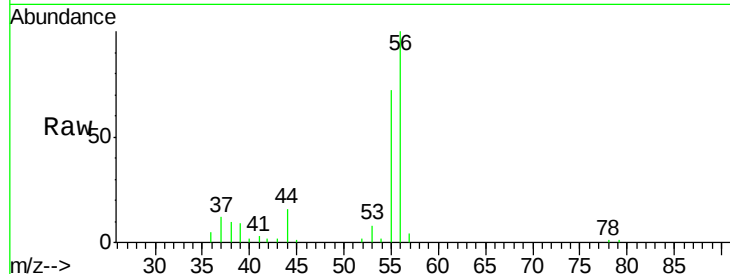
VU0712WBS02

Tot Ion: 56 Resp: 18770

Ion Ratio Lower Upper

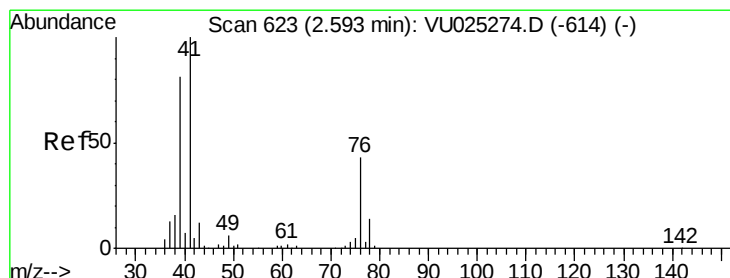
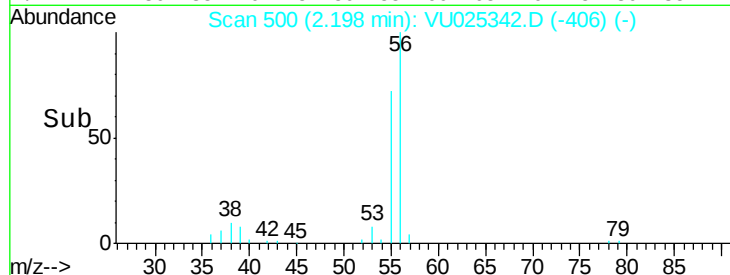
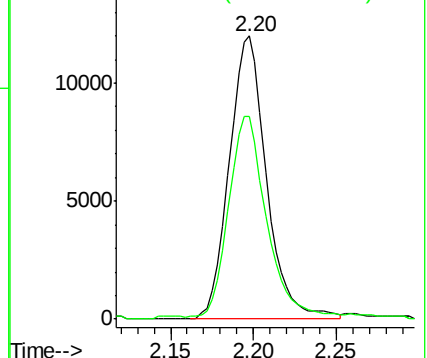
56 100

55 76.1 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.02 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

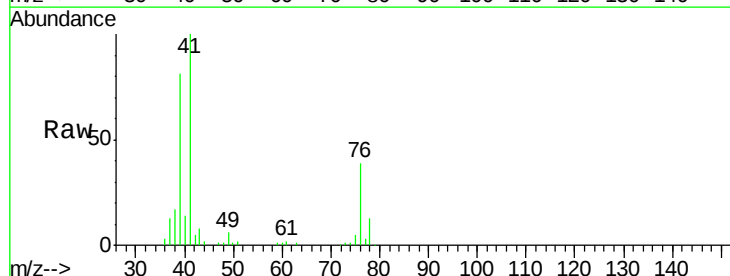
Tgt Ion: 41 Resp: 59032

Ion Ratio Lower Upper

41 100

39 77.0 60.6 91.0

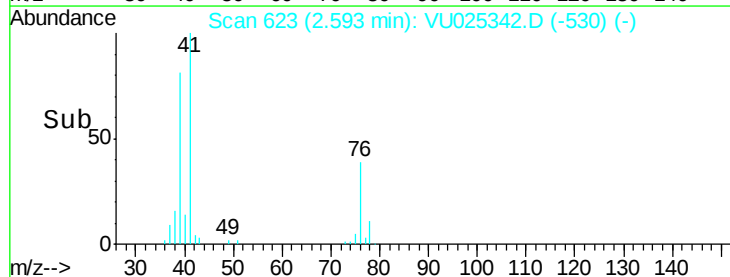
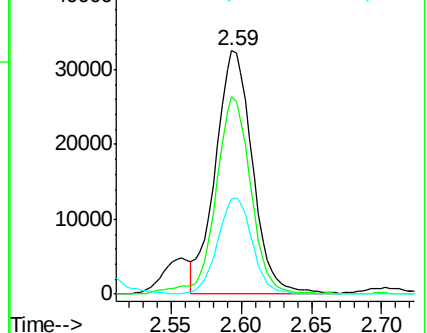
76 37.1 30.5 45.7

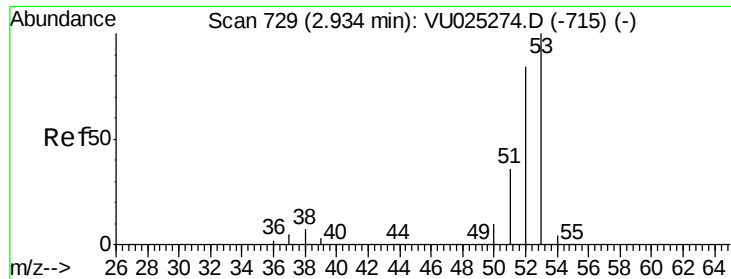


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 104.54 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

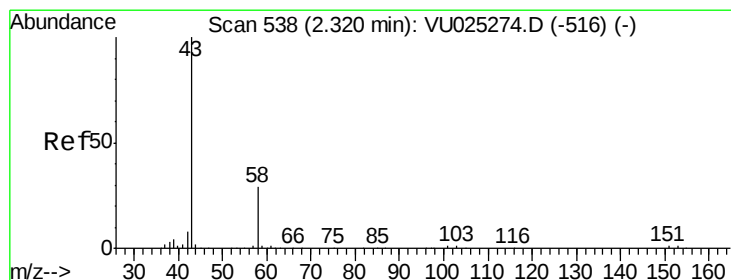
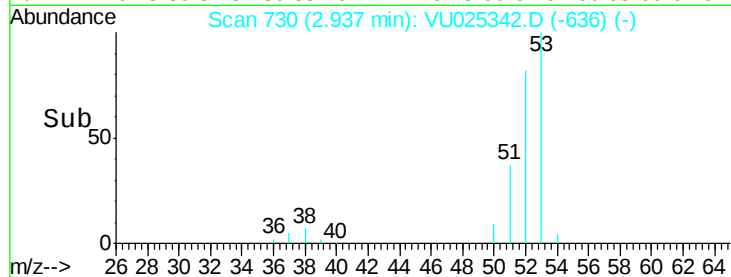
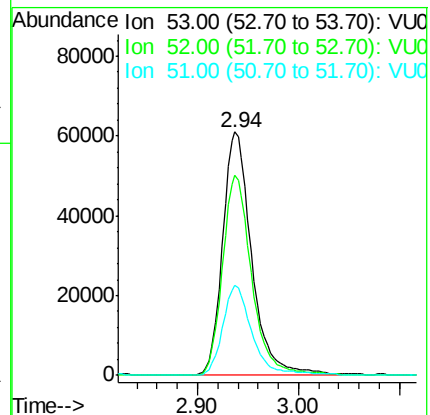
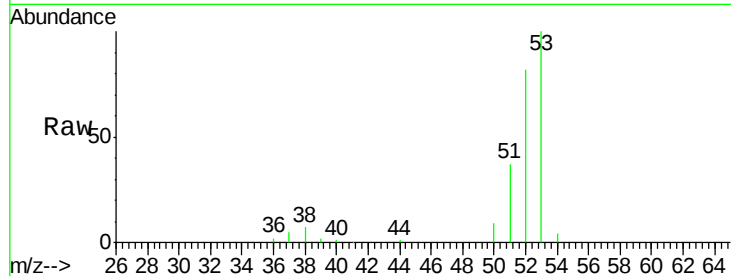
Tot Ion: 53 Resp: 122987

Ion Ratio Lower Upper

53 100

52 82.2 66.6 99.8

51 37.4 29.4 44.2



#16

Acetone

Concen: 105.47 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025342.D

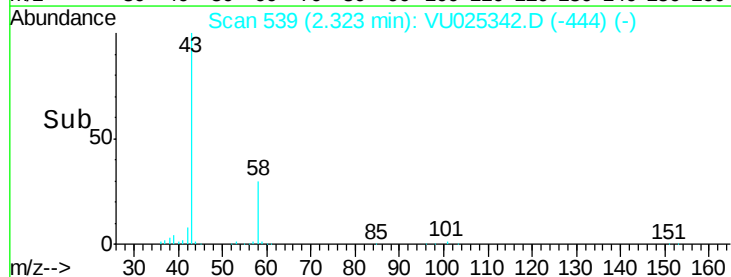
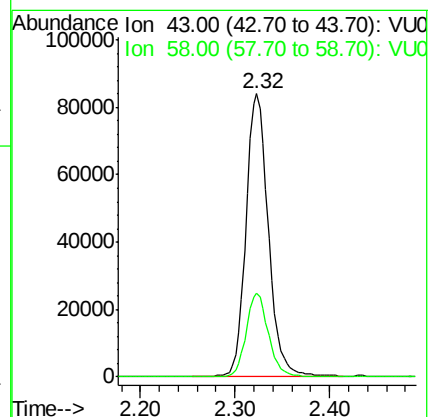
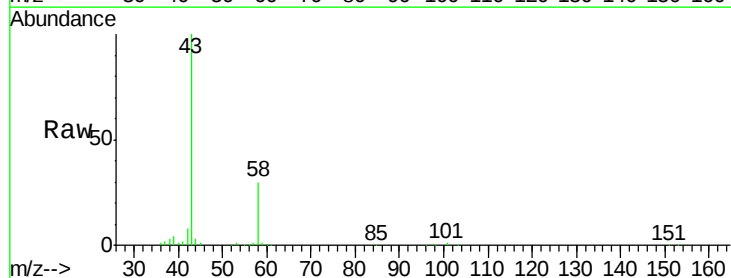
Acq: 12 Jul 2018 16:19

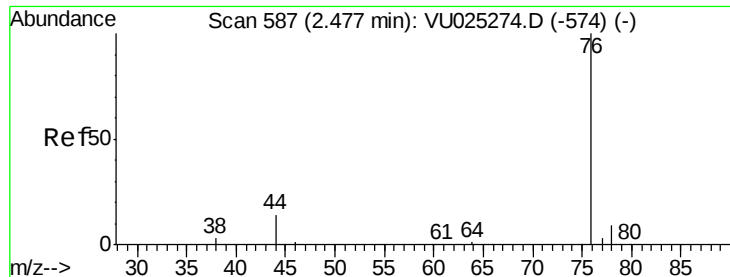
Tgt Ion: 43 Resp: 137324

Ion Ratio Lower Upper

43 100

58 29.6 23.1 34.7





#17

Carbon Disulfide

Concen: 17.23 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

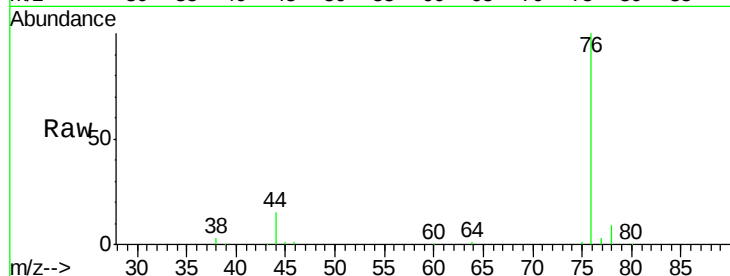
VU0712WBS02

Tot Ion: 76 Resp: 79607

Ion Ratio Lower Upper

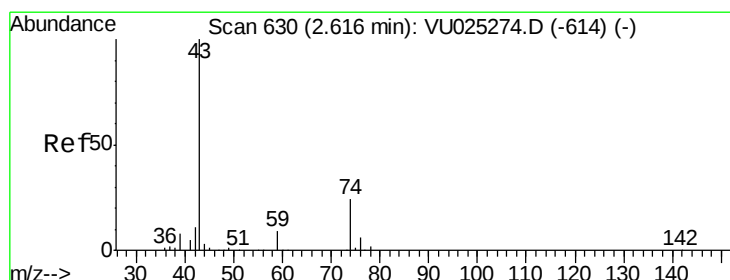
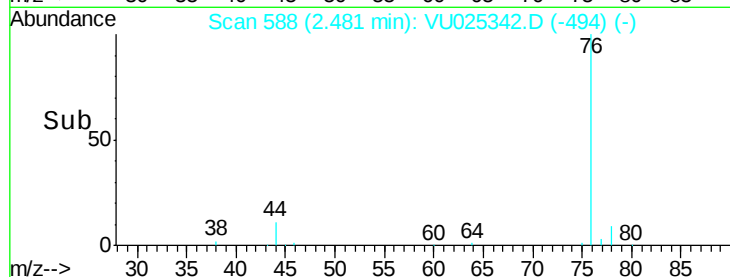
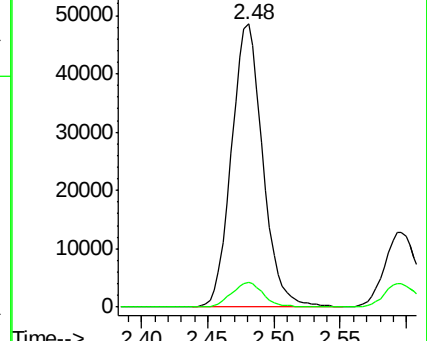
76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.91 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025342.D

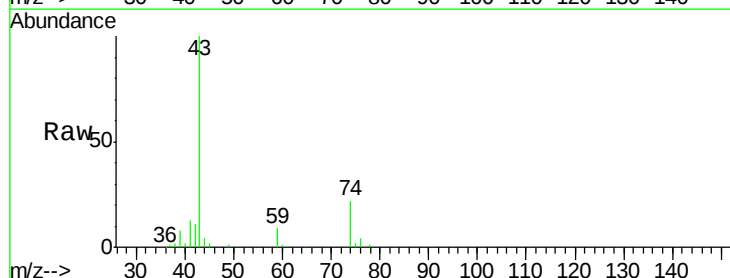
Acq: 12 Jul 2018 16:19

Tgt Ion: 43 Resp: 61517

Ion Ratio Lower Upper

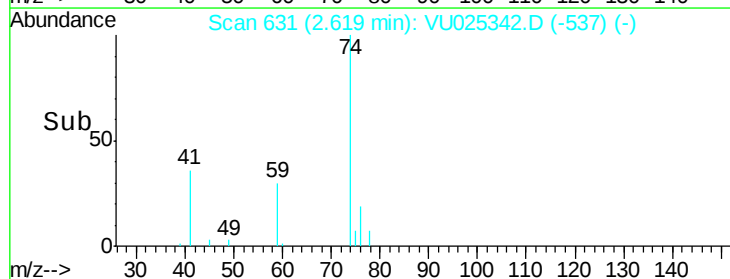
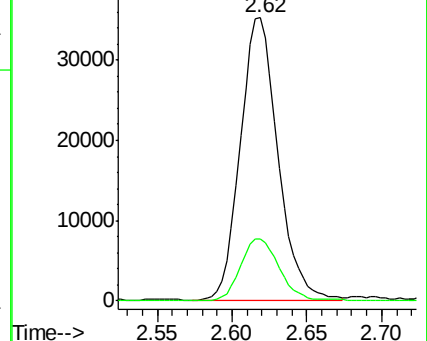
43 100

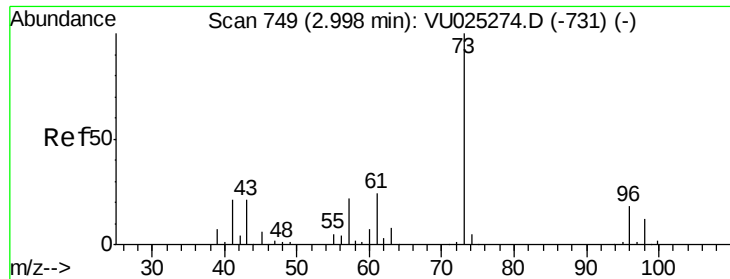
74 23.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

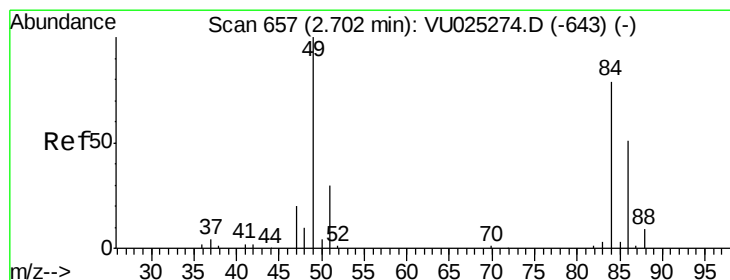
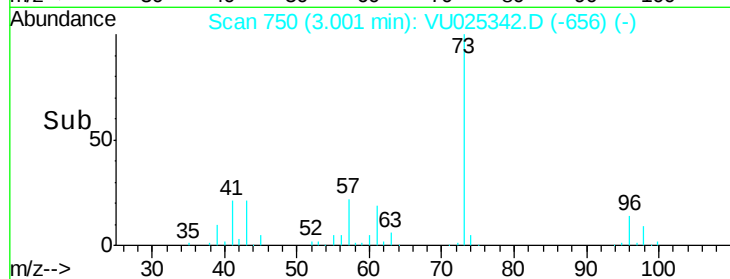
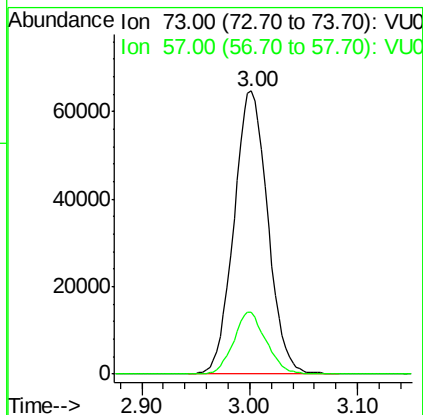
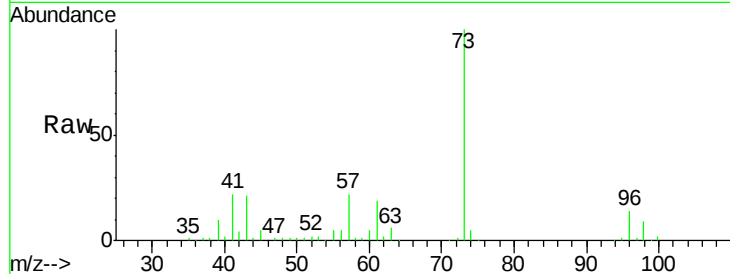




#19
Methyl tert-butyl Ether
Concen: 21.71 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

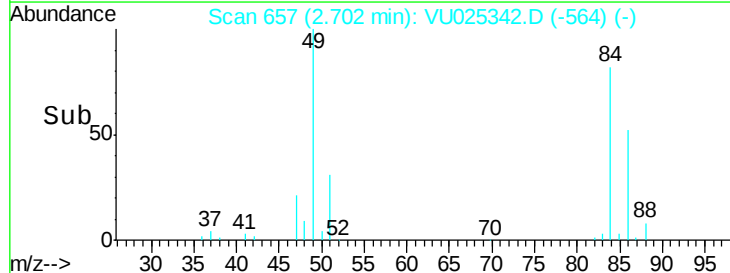
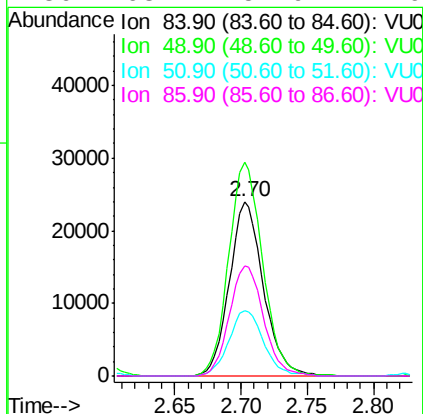
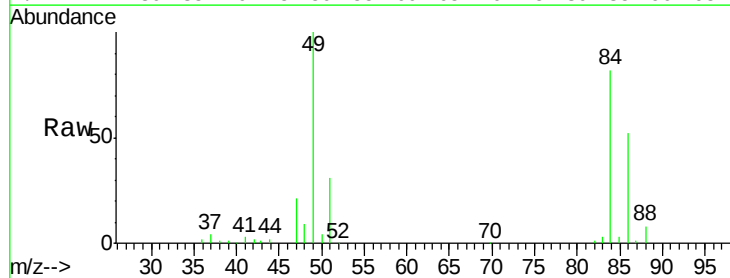
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

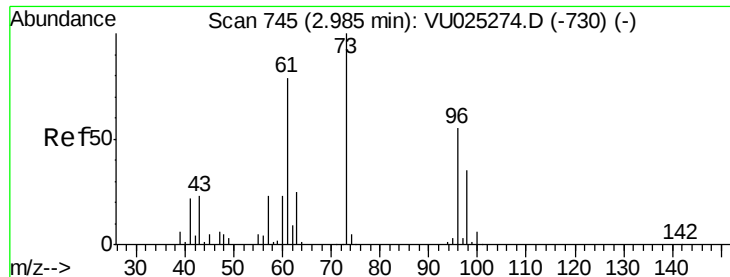
Tot Ion: 73 Resp: 141344
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2



#20
Methylene Chloride
Concen: 21.47 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 84 Resp: 42751
Ion Ratio Lower Upper
84 100
49 122.2 101.8 152.6
51 37.5 30.8 46.2
86 63.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.14 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

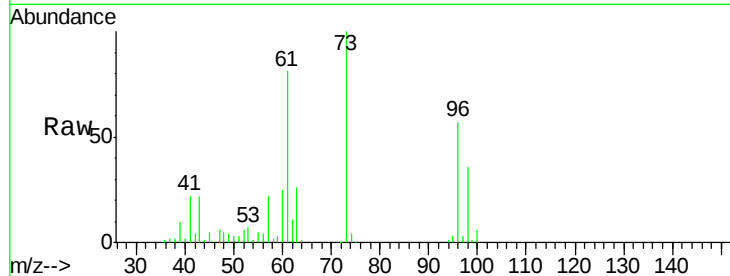
Tot Ion: 96 Resp: 37437

Ion Ratio Lower Upper

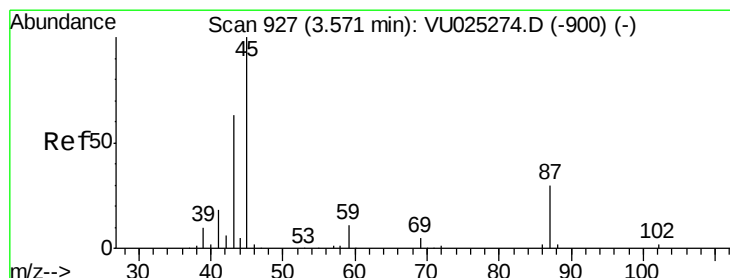
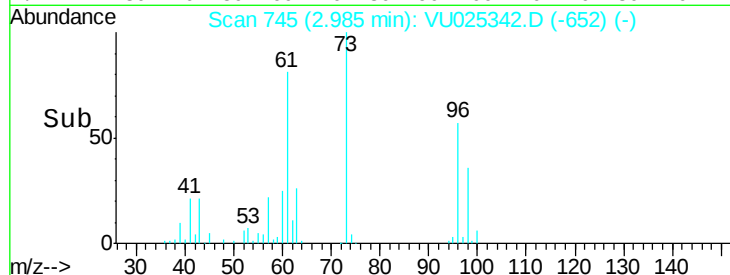
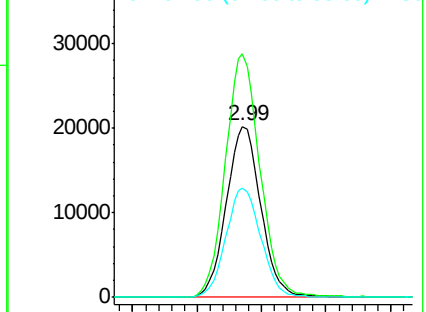
96 100

61 142.3 114.5 171.7

98 64.0 50.5 75.7



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



#22

Diisopropyl ether

Concen: 21.66 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion: 45 Resp: 137302

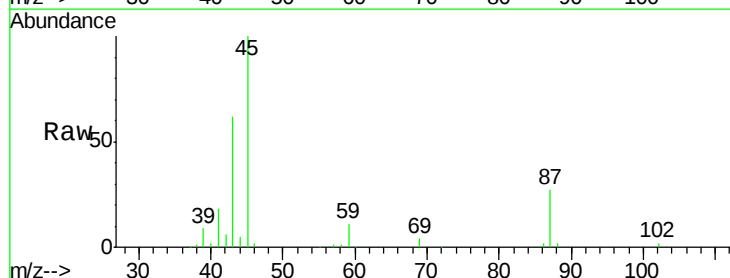
Ion Ratio Lower Upper

45 100

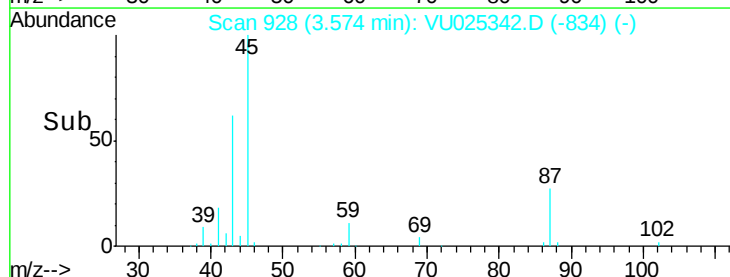
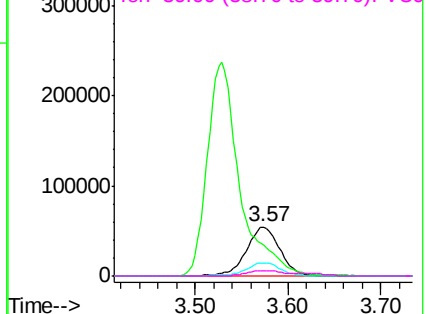
43 60.2 50.9 76.3

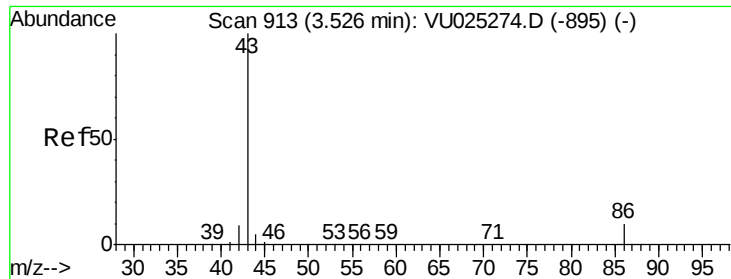
87 27.4 23.8 35.8

59 11.0 9.0 13.4



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





#23

Vinyl Acetate

Concen: 104.20 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

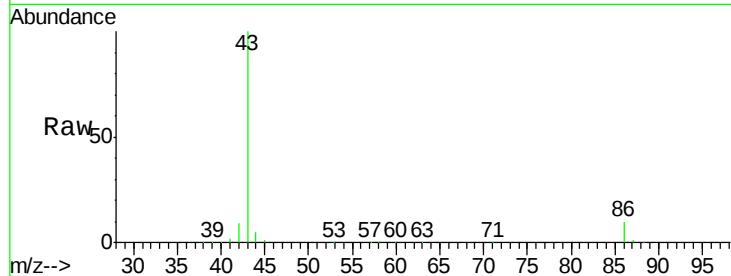
VU0712WBS02

Tot Ion: 43 Resp: 579400

Ion Ratio Lower Upper

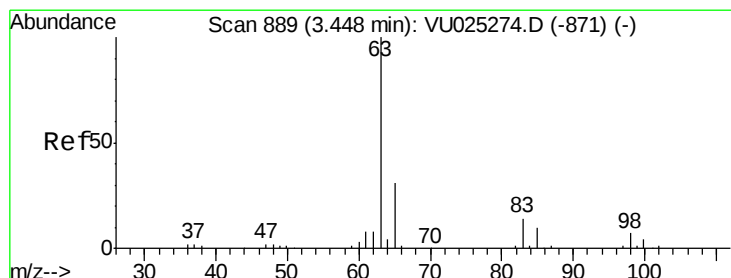
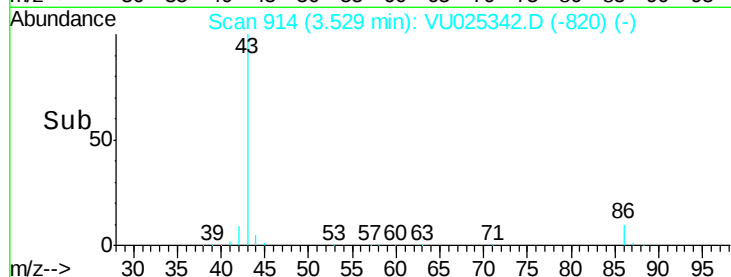
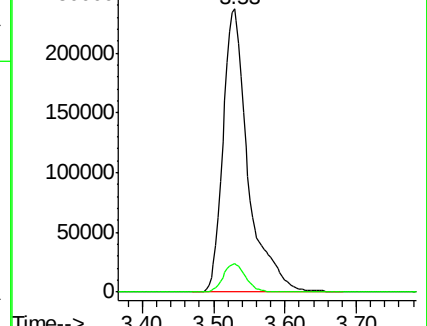
43 100

86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.51 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

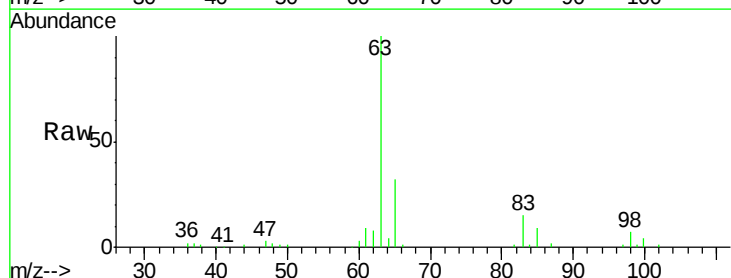
Tgt Ion: 63 Resp: 76888

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

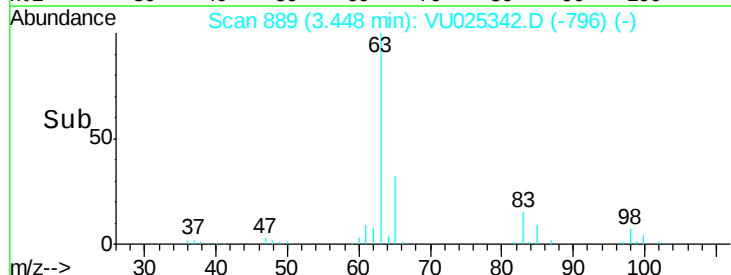
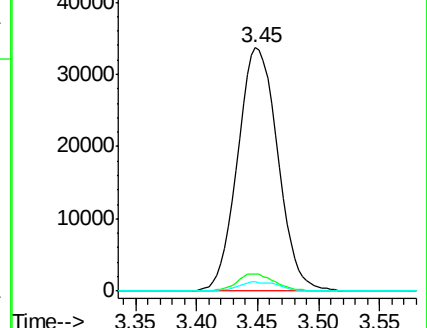
100 3.8 2.0 6.0

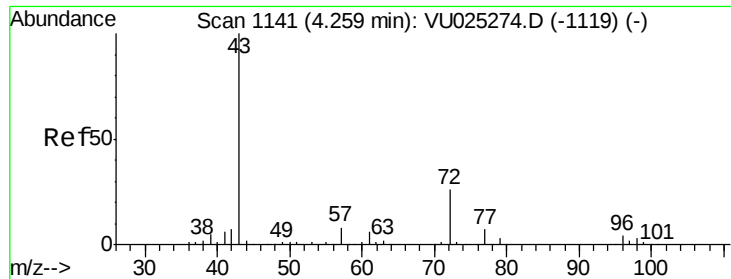


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

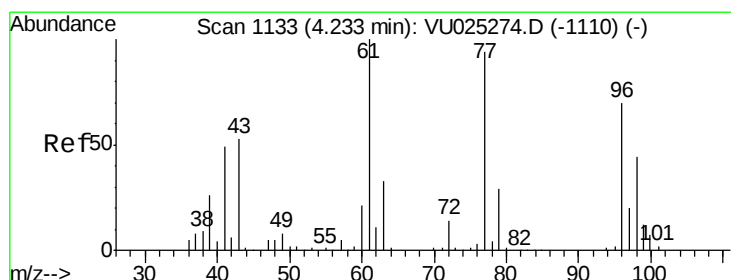
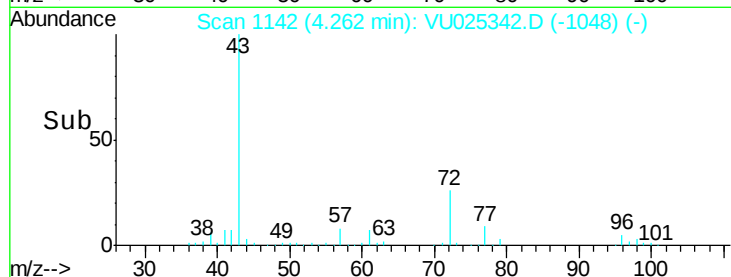
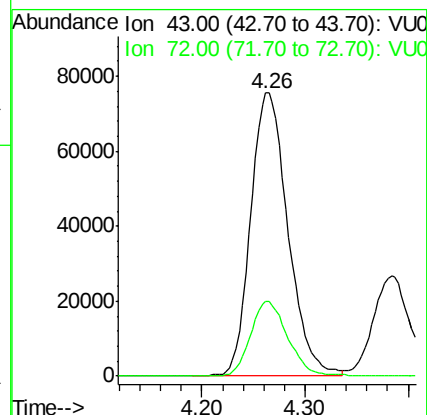
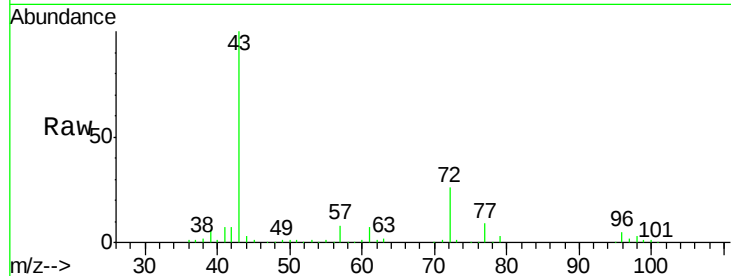




#25
2-Butanone
Concen: 103.62 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

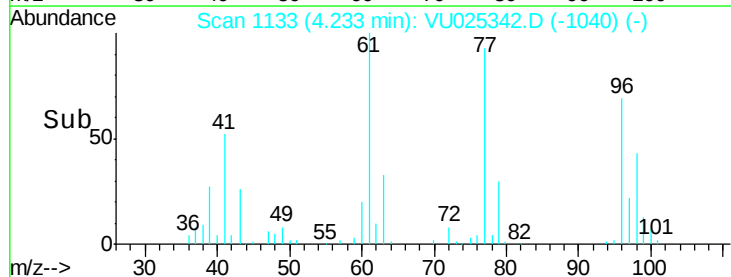
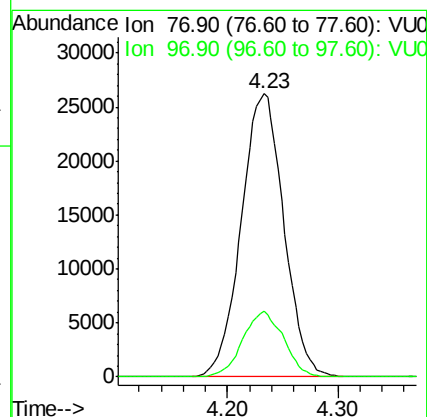
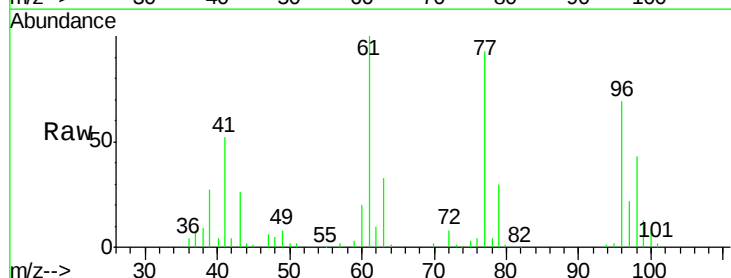
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

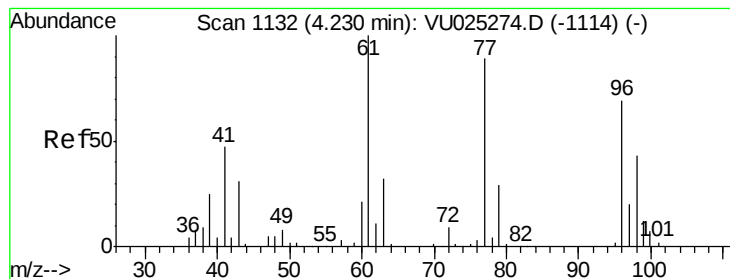
Tot Ion: 43 Resp: 188387
Ion Ratio Lower Upper
43 100
72 26.4 21.0 31.4



#26
2,2-Dichloropropane
Concen: 20.39 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 77 Resp: 70099
Ion Ratio Lower Upper
77 100
97 22.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.53 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

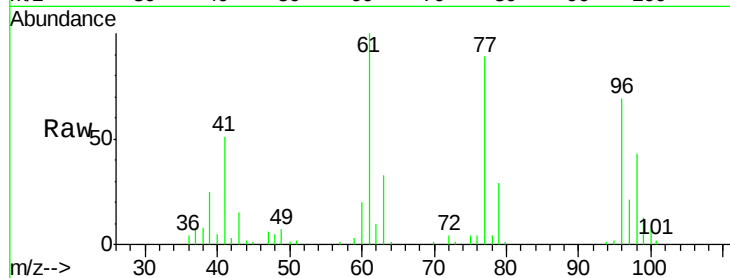
Tot Ion: 96 Resp: 46467

Ion Ratio Lower Upper

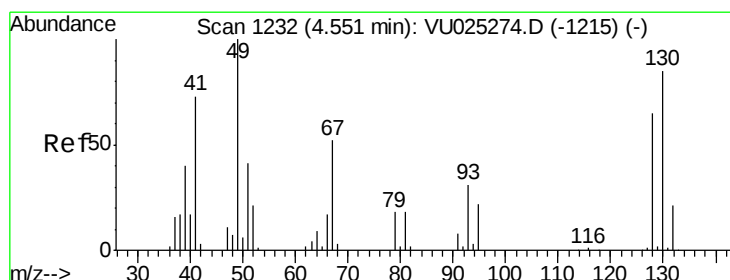
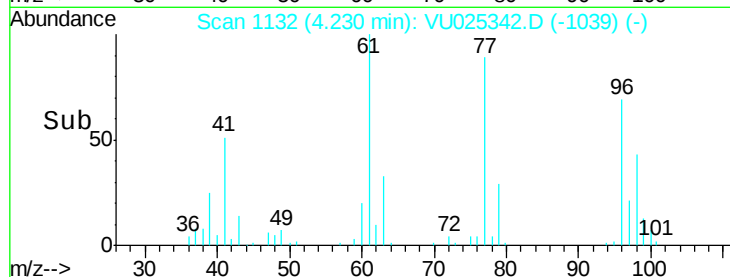
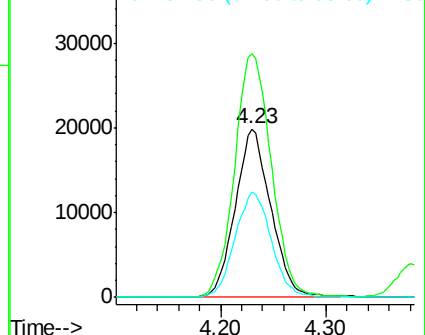
96 100

61 149.9 0.0 299.8

98 63.8 0.0 128.6



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



#28

Bromochloromethane

Concen: 21.23 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

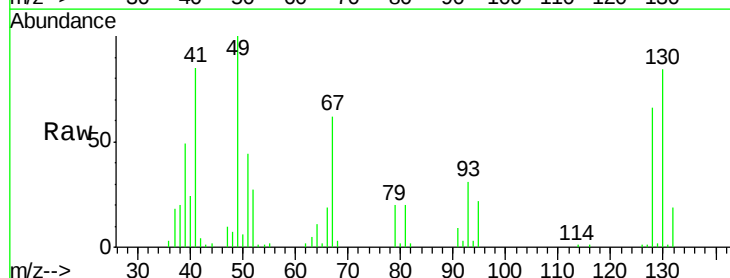
Tgt Ion: 49 Resp: 36651

Ion Ratio Lower Upper

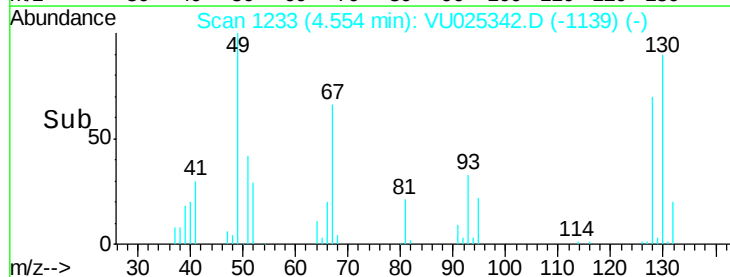
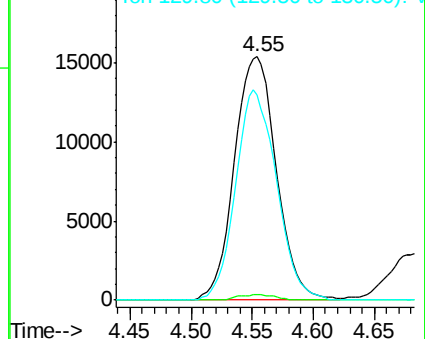
49 100

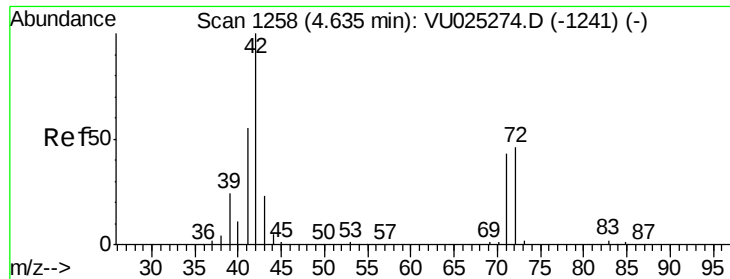
129 2.0 0.0 4.6

130 84.1 68.6 102.8



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





#29

Tetrahydrofuran

Concen: 104.88 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

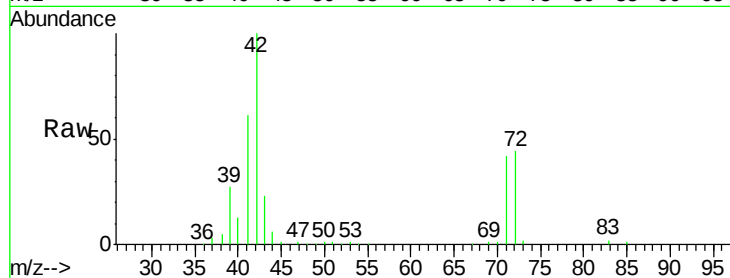
Tot Ion: 42 Resp: 114369

Ion Ratio Lower Upper

42 100

72 44.0 36.7 55.1

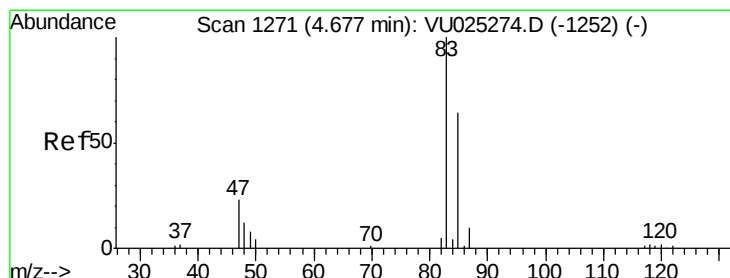
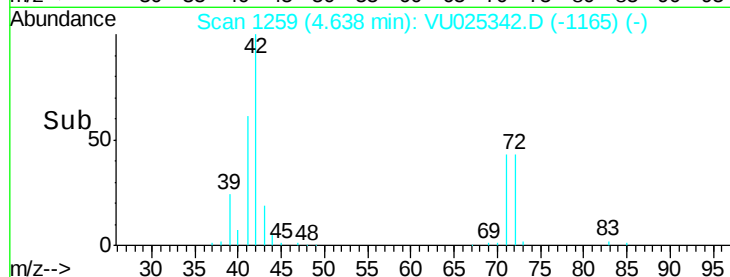
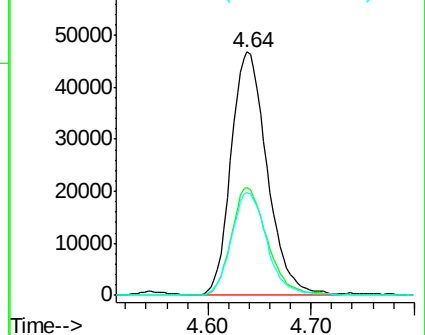
71 41.5 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 21.53 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025342.D

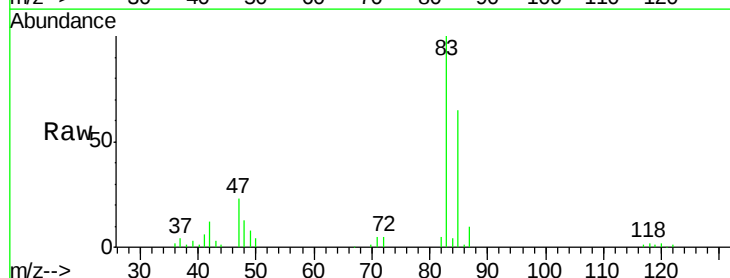
Acq: 12 Jul 2018 16:19

Tgt Ion: 83 Resp: 81520

Ion Ratio Lower Upper

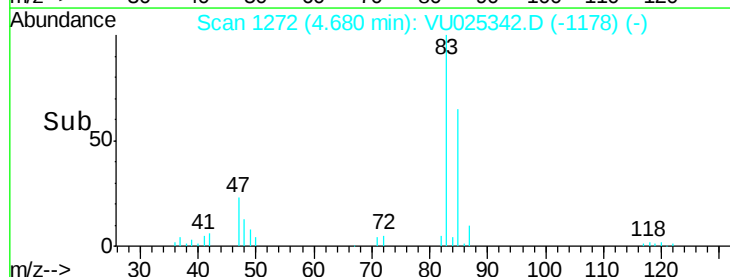
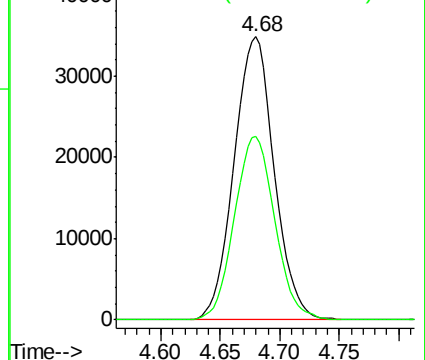
83 100

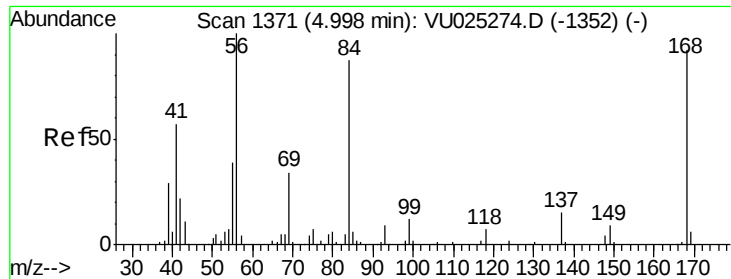
85 64.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

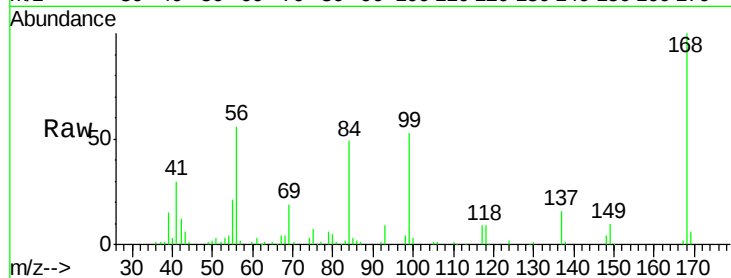




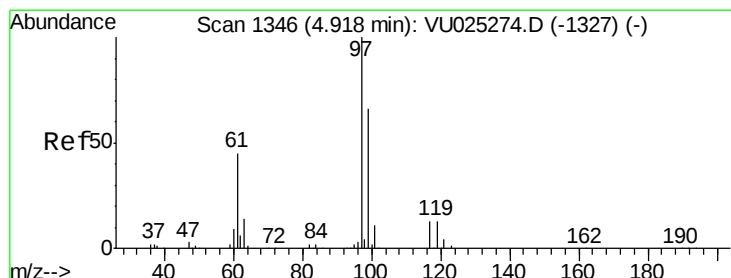
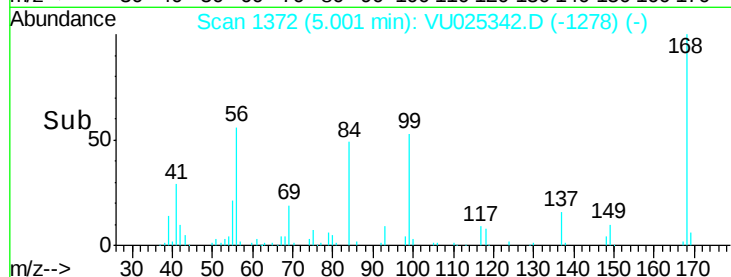
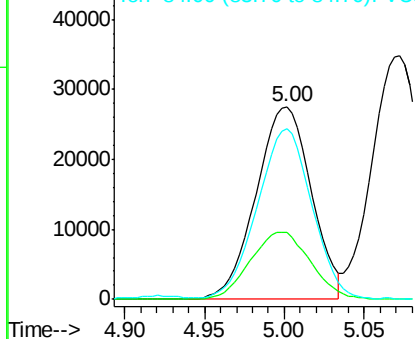
#31
Cyclohexane
Concen: 20.30 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 56 Resp: 65771
Ion Ratio Lower Upper
56 100
69 34.5 26.8 40.2
84 87.8 69.7 104.5

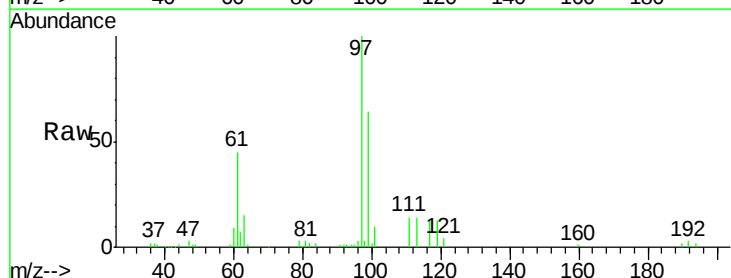


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

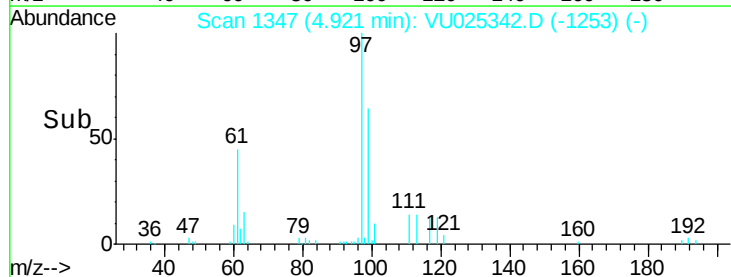
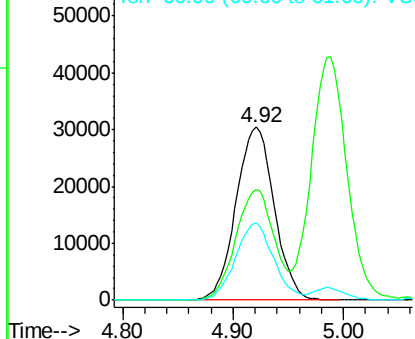


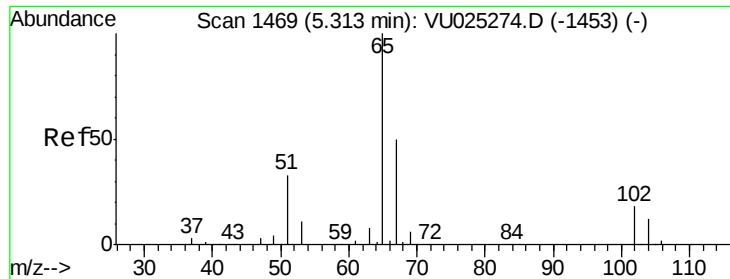
#32
1,1,1-Trichloroethane
Concen: 21.30 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 97 Resp: 73062
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 44.4 35.2 52.8



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

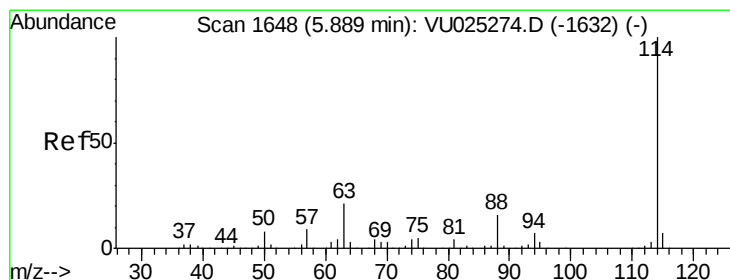
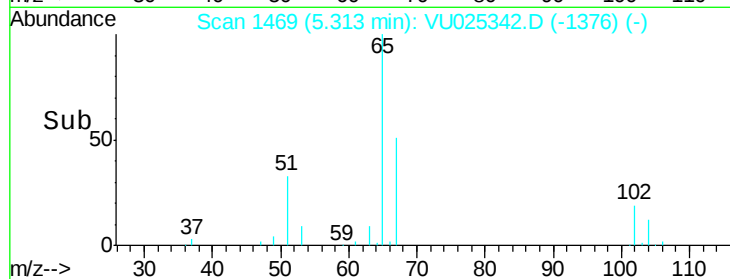
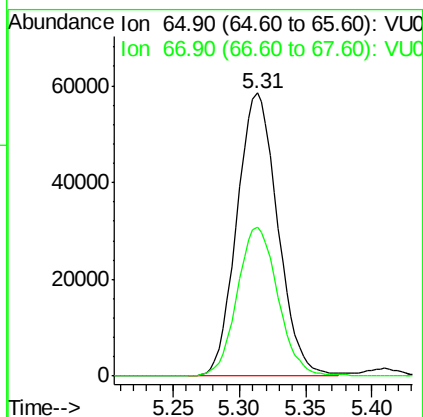
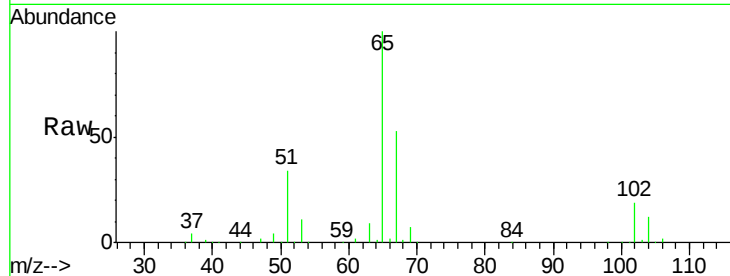




#33
 1,2-Dichloroethane-d4
 Concen: 47.82 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

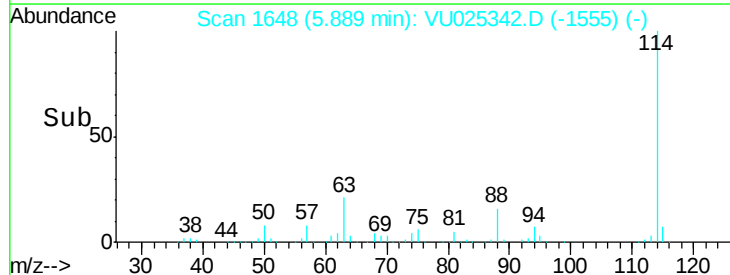
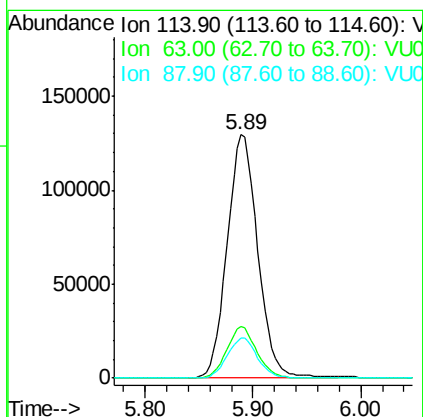
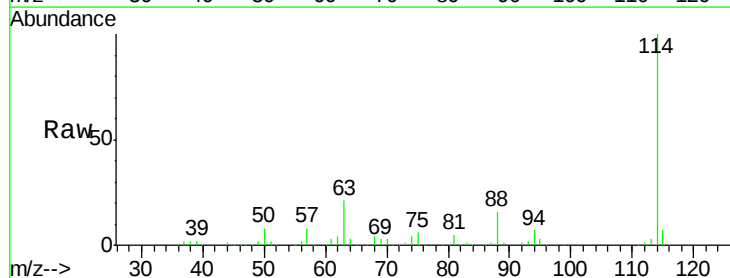
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

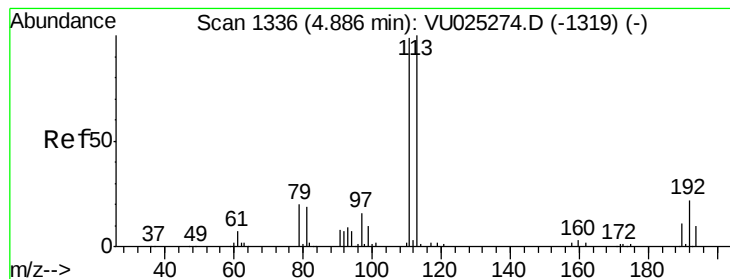
Tot Ion: 65 Resp: 125429
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 114 Resp: 256753
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.6
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.31 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

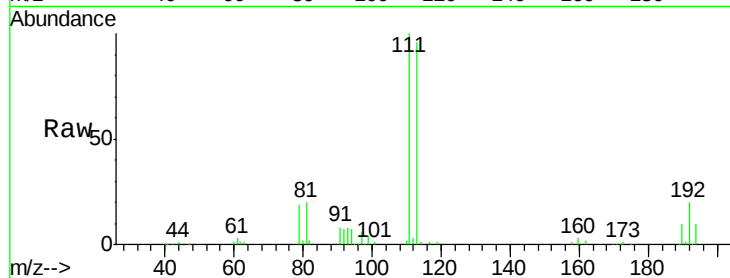
Tot Ion:113 Resp: 102465

Ion Ratio Lower Upper

113 100

111 101.6 81.7 122.5

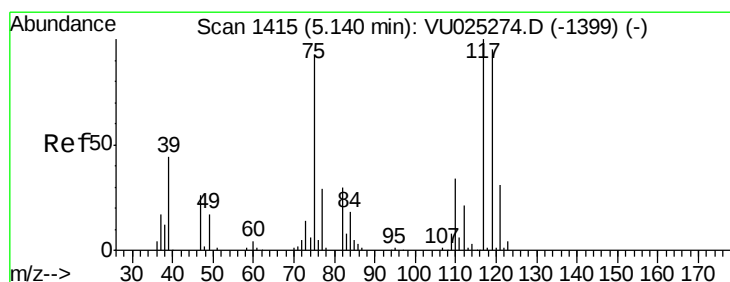
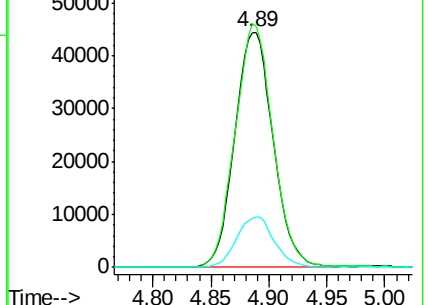
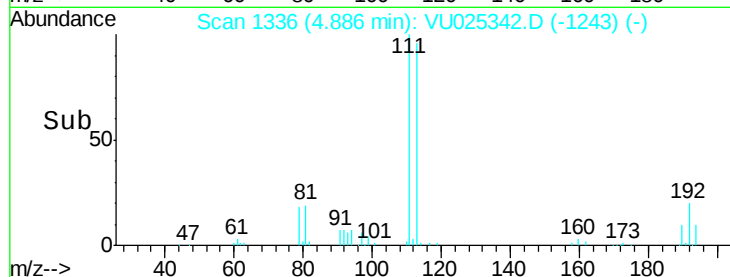
192 21.1 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.94 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

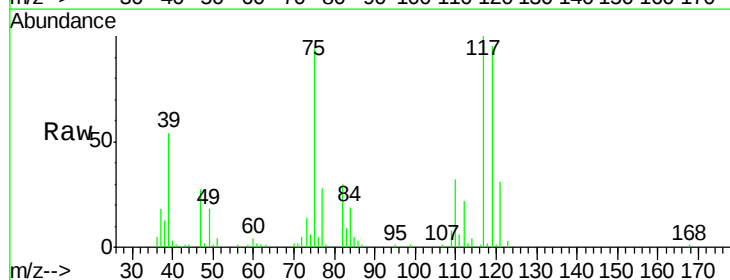
Tgt Ion: 75 Resp: 54072

Ion Ratio Lower Upper

75 100

110 35.3 17.6 52.9

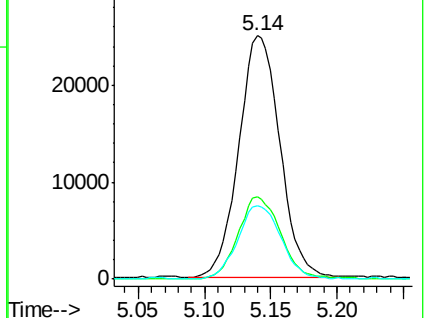
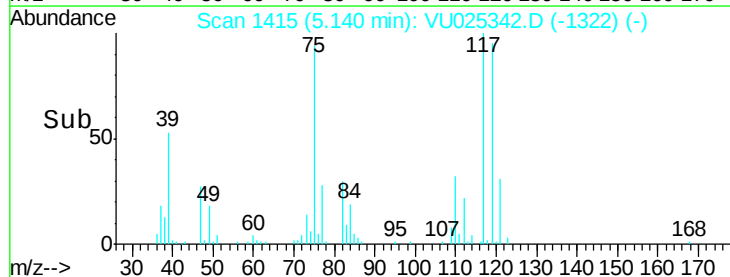
77 31.8 24.4 36.6

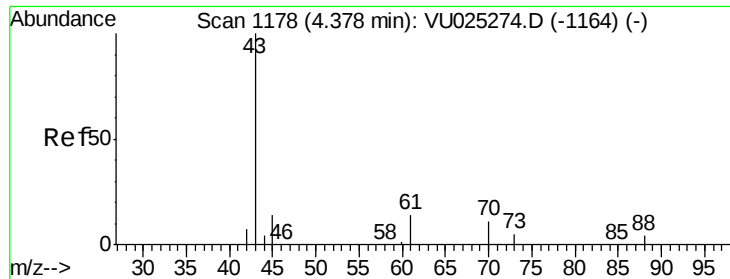


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

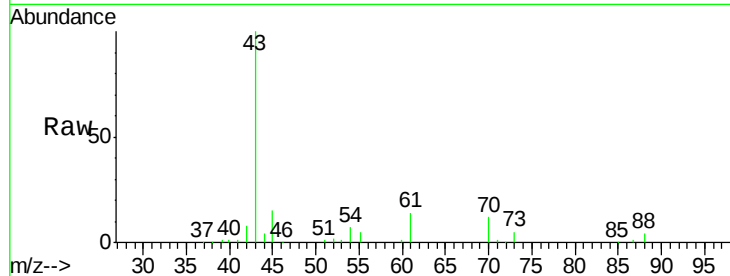




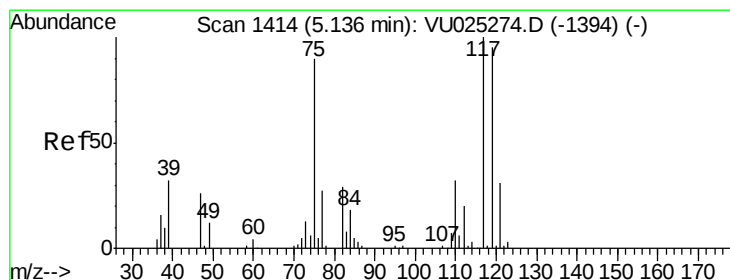
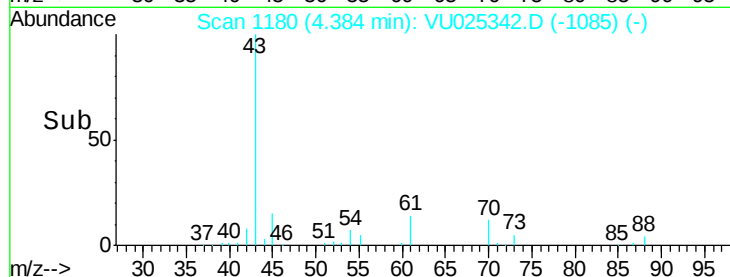
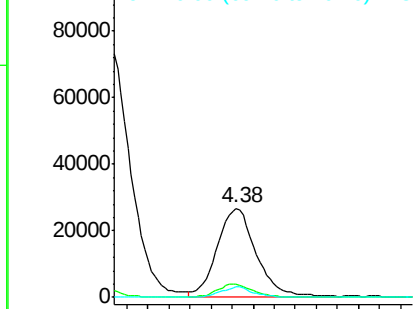
#37
Ethyl Acetate
Concen: 21.08 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 43 Resp: 67091
Ion Ratio Lower Upper
43 100
61 14.1 10.7 16.1
70 10.2 8.4 12.6

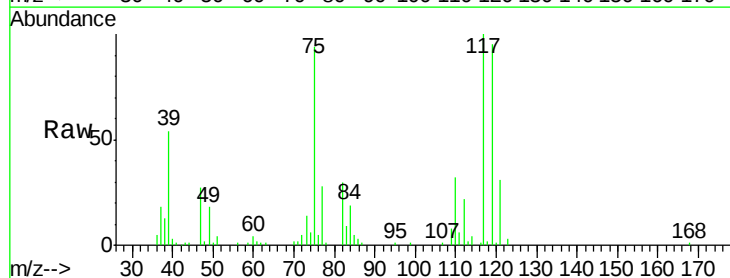


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

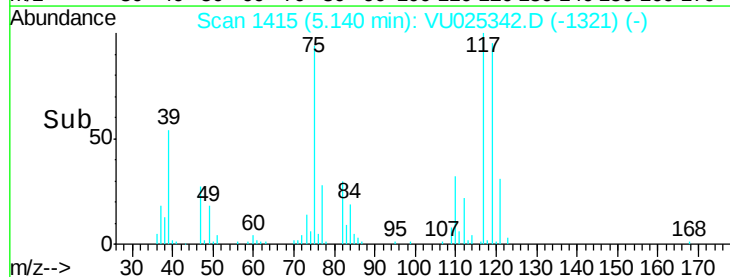
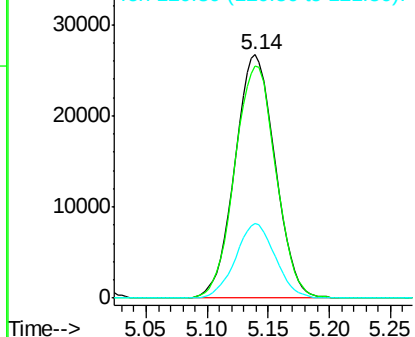


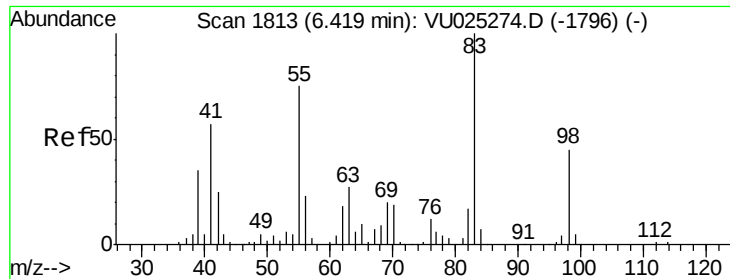
#38
Carbon Tetrachloride
Concen: 19.84 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 117 Resp: 60957
Ion Ratio Lower Upper
117 100
119 95.2 75.7 113.5
121 30.8 24.6 36.8



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

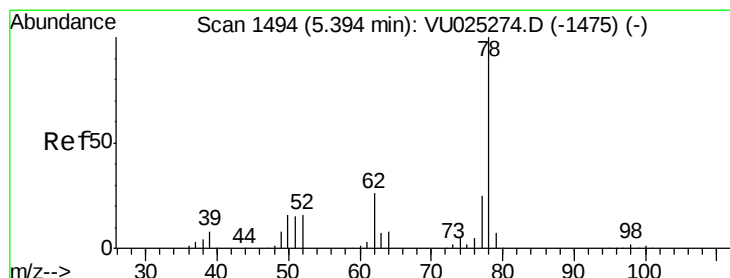
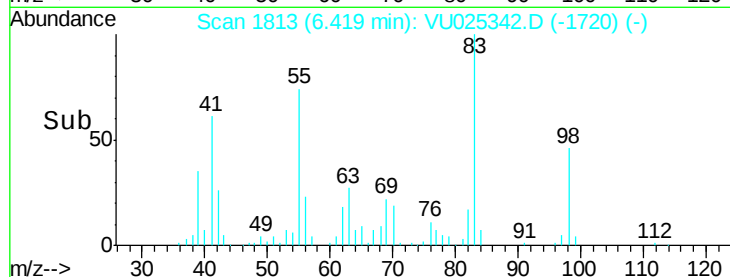
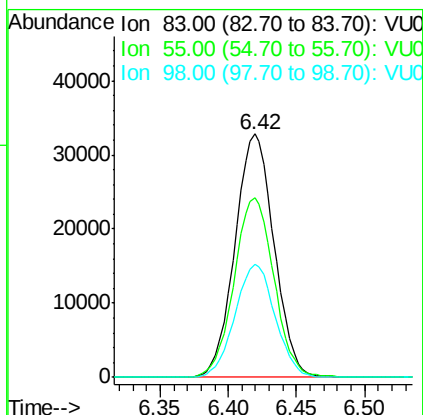
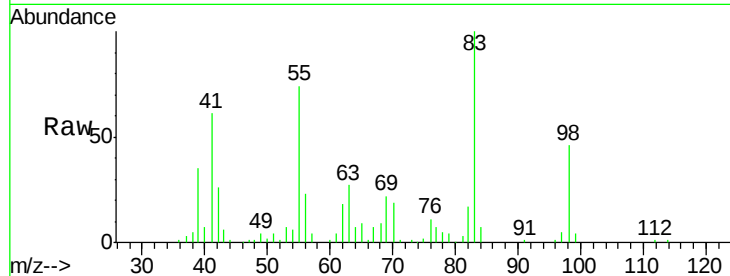




#39
Methvlcvclohexane
Concen: 18.34 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

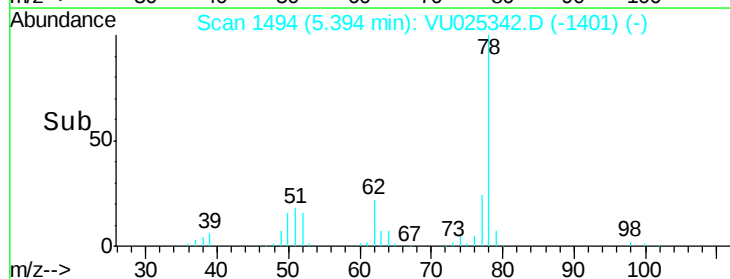
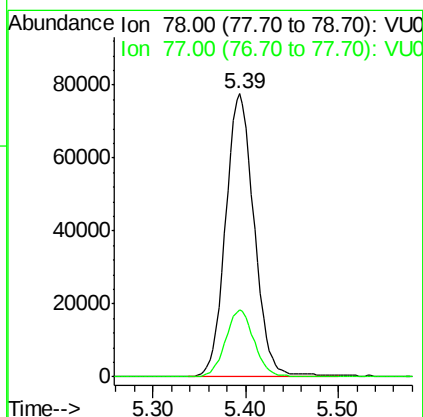
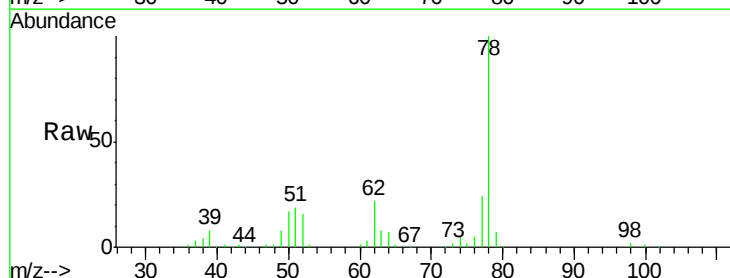
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

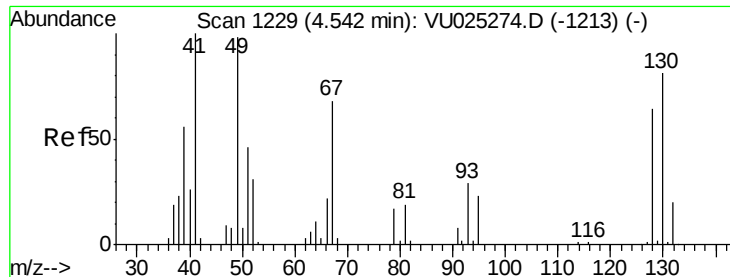
Tot Ion: 83 Resp: 65285
Ion Ratio Lower Upper
83 100
55 73.7 60.0 90.0
98 46.2 36.1 54.1



#40
Benzene
Concen: 20.19 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 78 Resp: 166077
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6

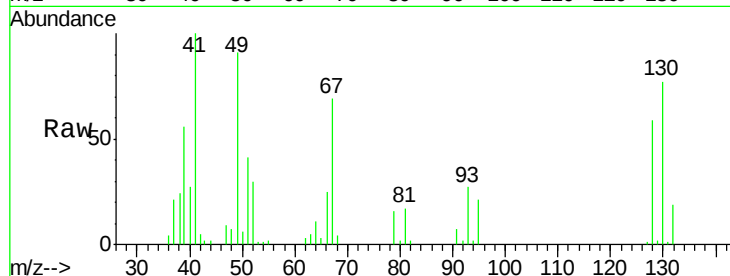




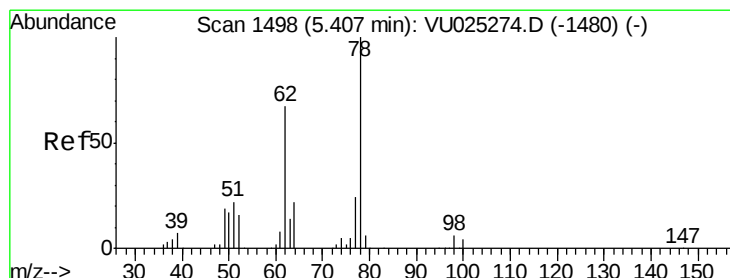
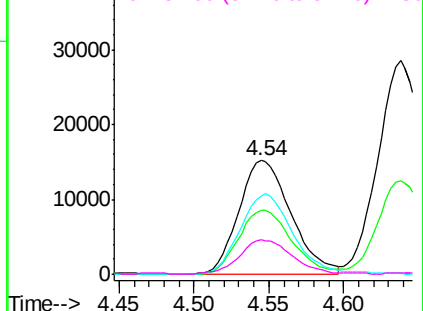
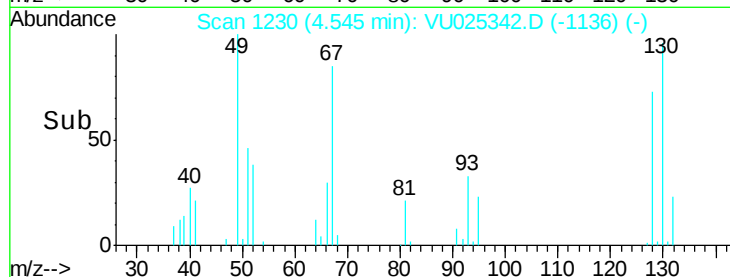
#41
Methacrylonitrile
Concen: 20.86 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 41 Resp: 36810
Ion Ratio Lower Upper
41 100
39 57.3 44.4 66.6
67 71.1 56.0 84.0
52 30.9 24.6 36.8

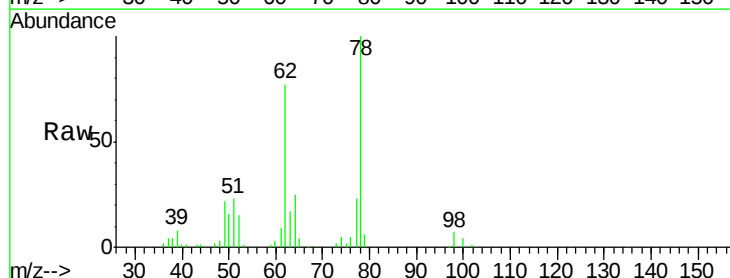


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

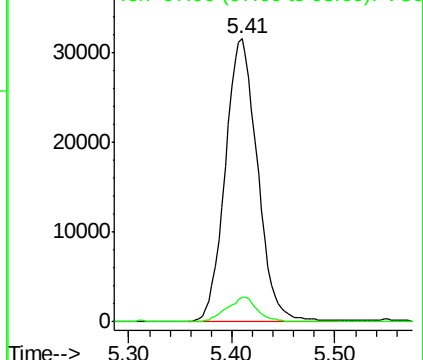
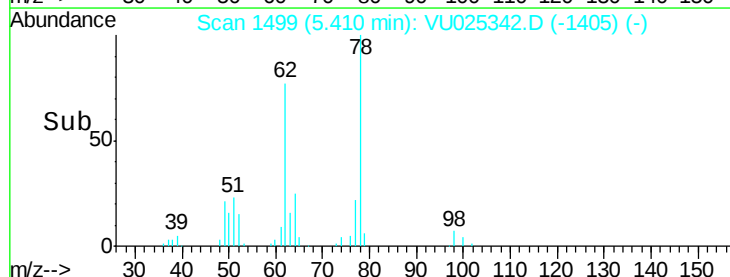


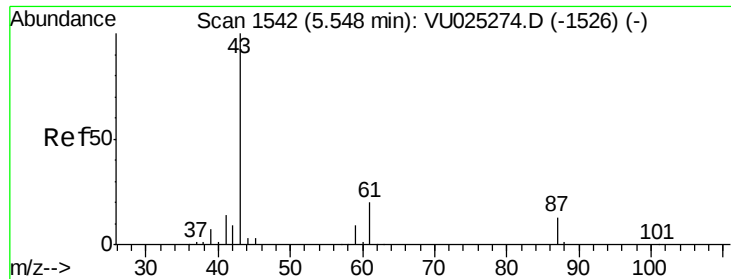
#42
1,2-Dichloroethane
Concen: 21.03 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 62 Resp: 68778
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.4



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





#43

Isopropyl Acetate

Concen: 20.88 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

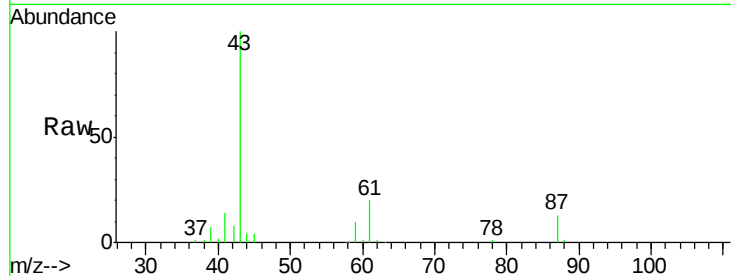
Tot Ion: 43 Resp: 106419

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

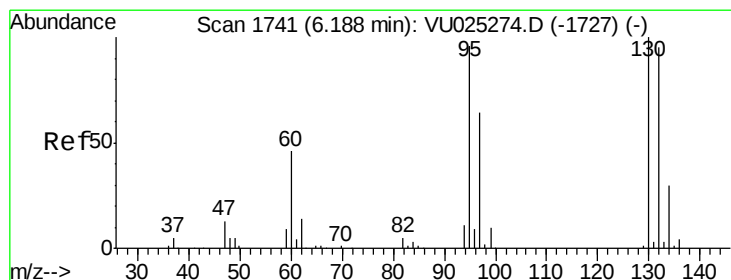
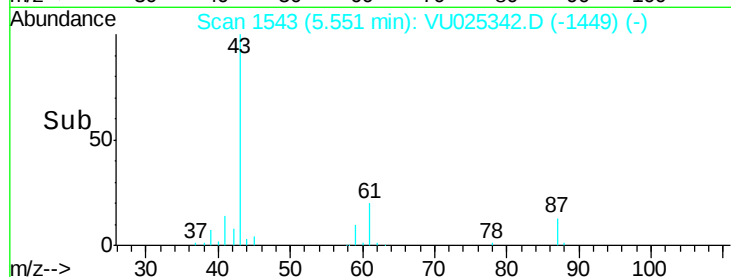
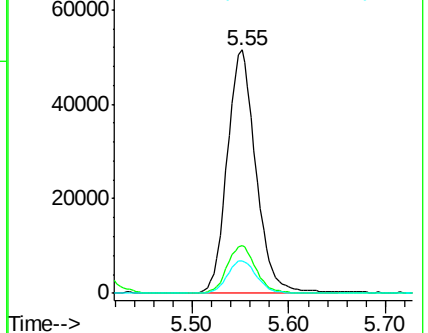
87 13.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 19.38 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025342.D

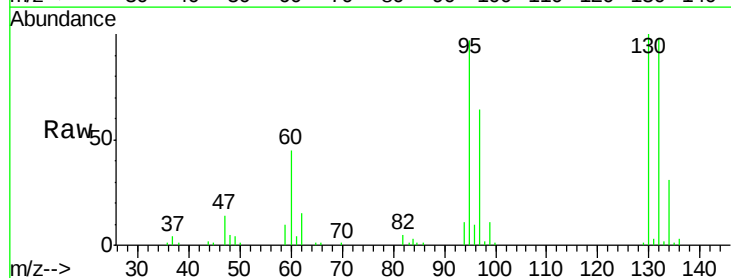
Acq: 12 Jul 2018 16:19

Tgt Ion: 130 Resp: 45764

Ion Ratio Lower Upper

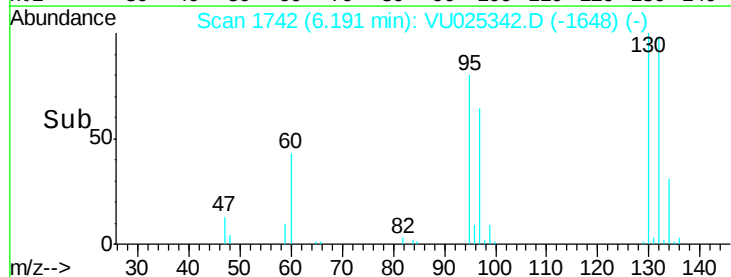
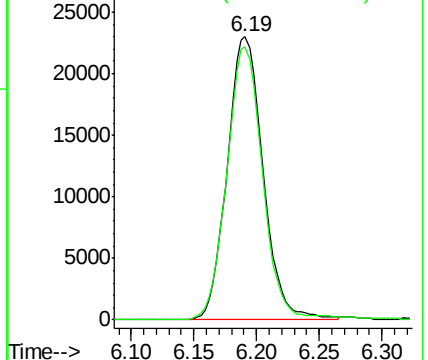
130 100

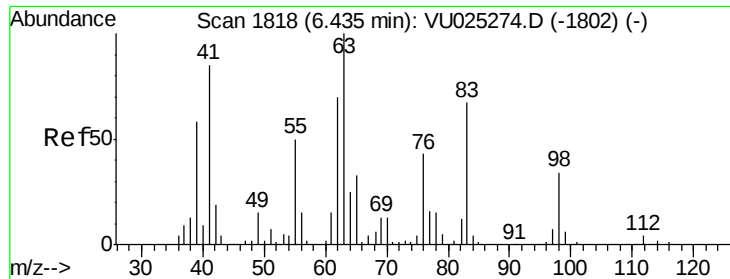
95 96.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

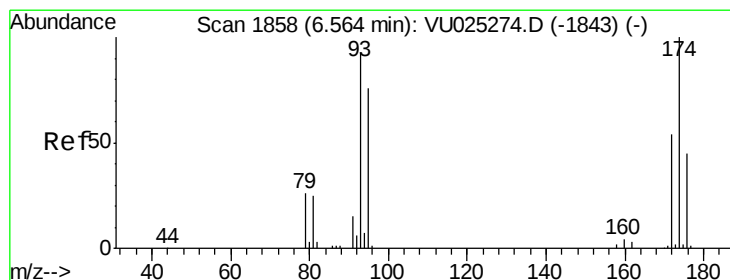
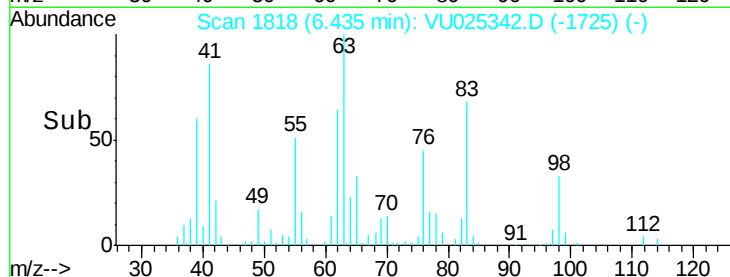
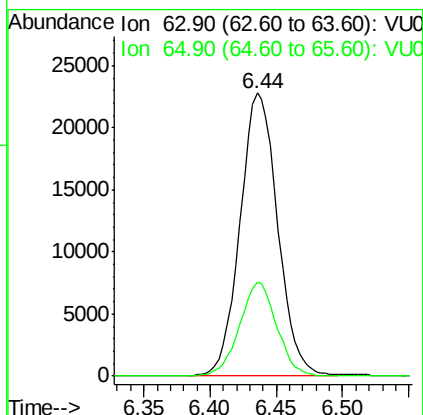
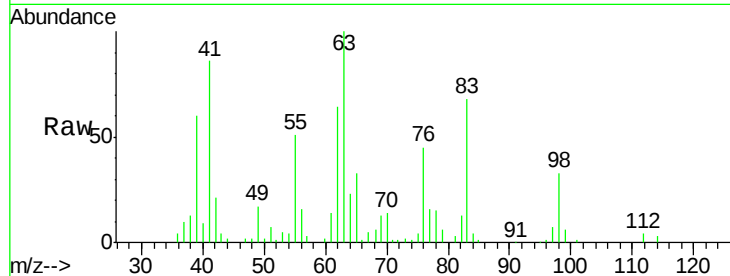




#45
 1,2-Dichloropropane
 Concen: 20.87 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

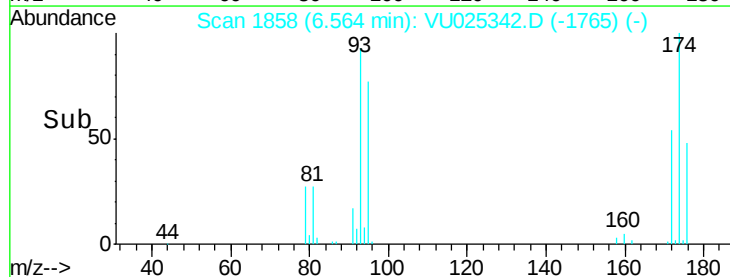
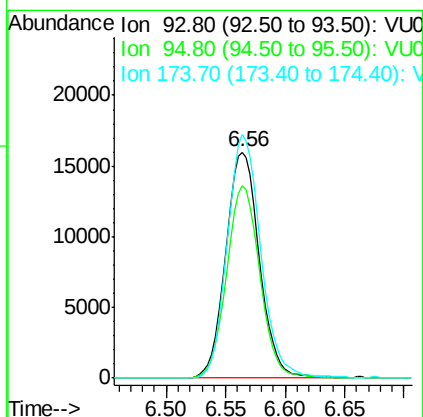
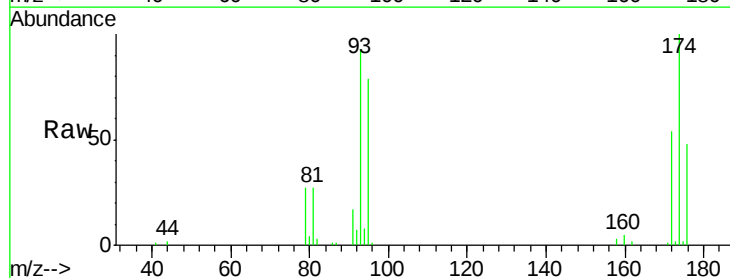
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

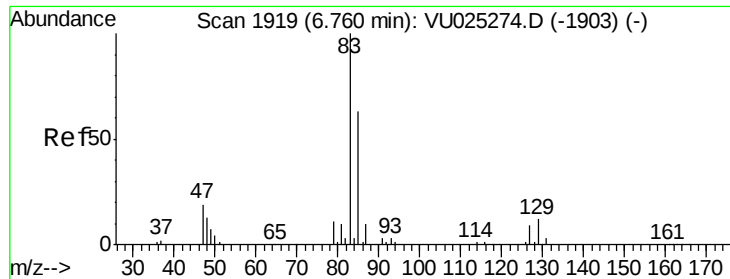
Tot Ion: 63 Resp: 44969
 Ion Ratio Lower Upper
 63 100
 65 33.2 26.1 39.1



#46
 Dibromomethane
 Concen: 19.99 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 93 Resp: 31338
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 106.8 85.8 128.8





#47

Bromodichloromethane

Concen: 20.07 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

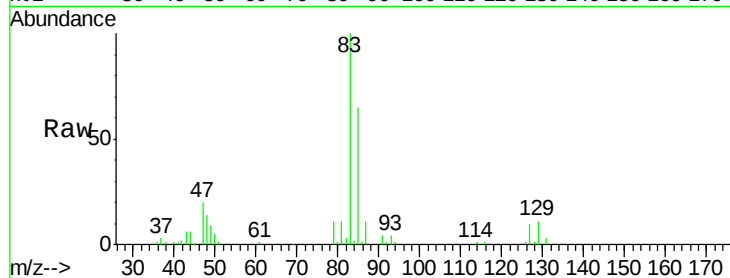
Tot Ion: 83 Resp: 58443

Ion Ratio Lower Upper

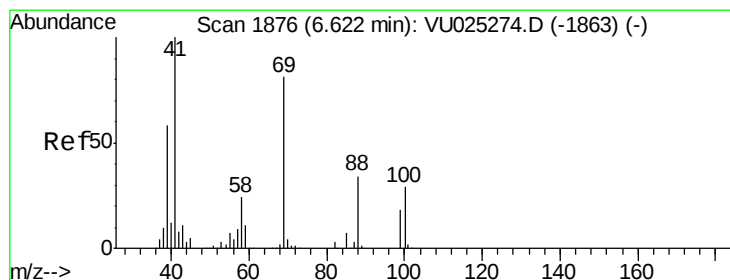
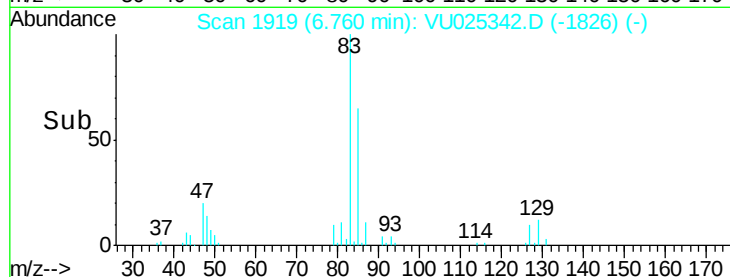
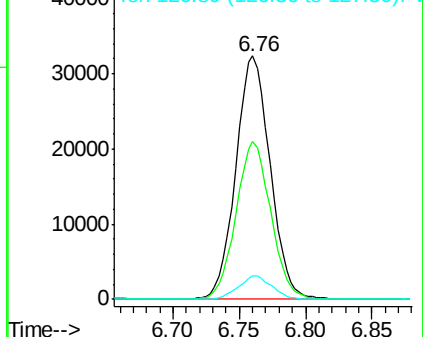
83 100

85 64.7 50.2 75.4

127 9.5 7.2 10.8



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: 20.95 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

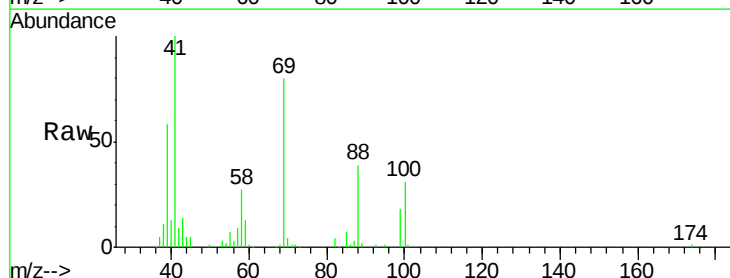
Tgt Ion: 41 Resp: 53240

Ion Ratio Lower Upper

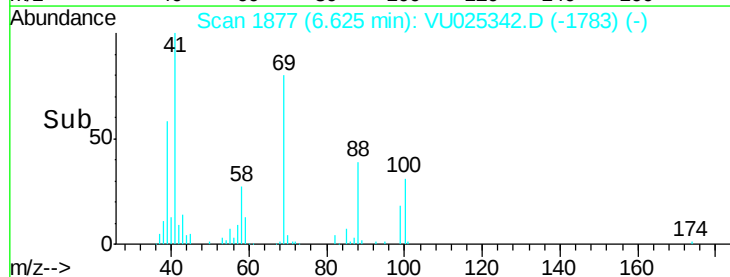
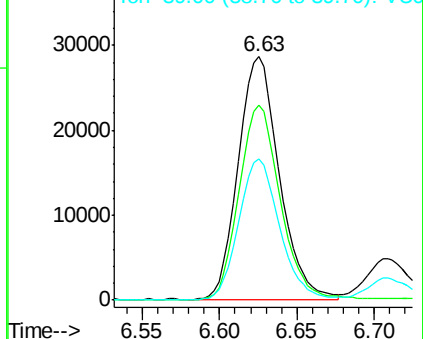
41 100

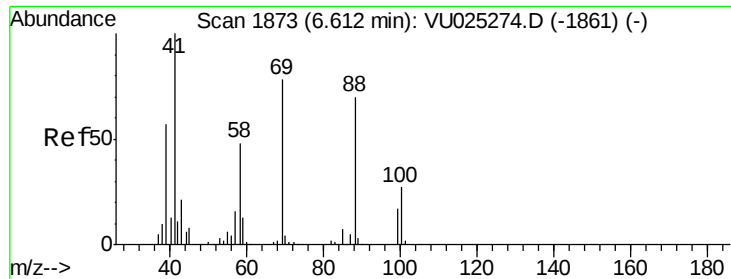
69 80.5 65.0 97.4

39 57.6 46.4 69.6



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

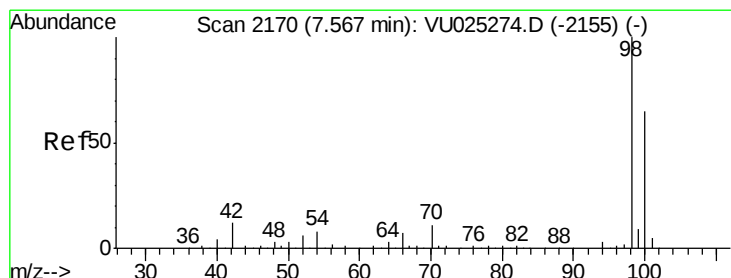
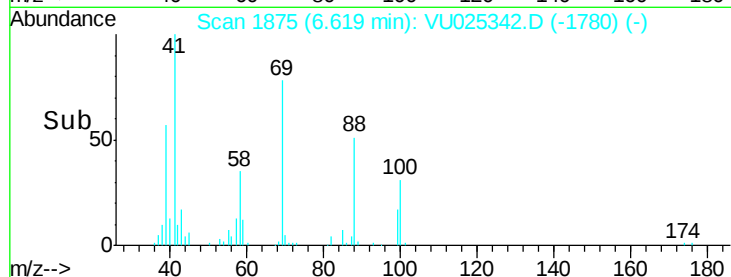
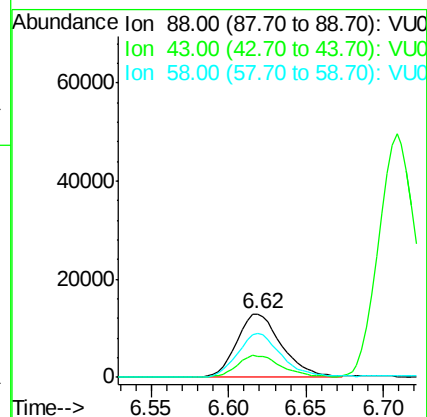
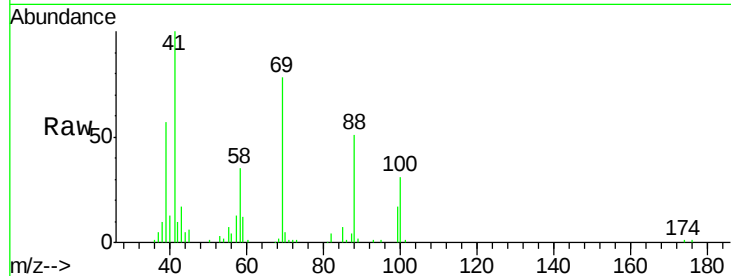




#49
1,4-Dioxane
Concen: 428.52 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

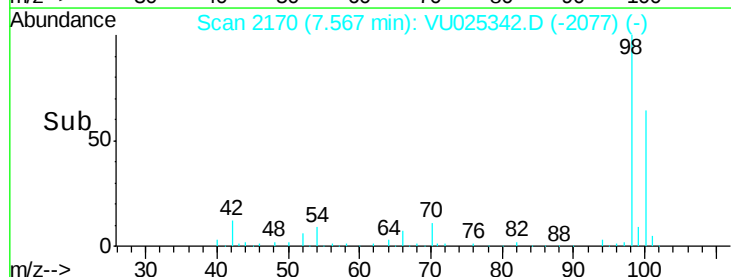
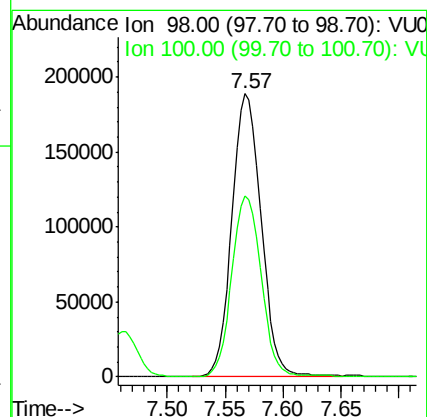
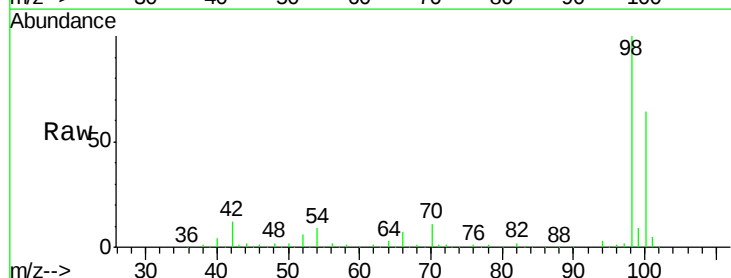
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

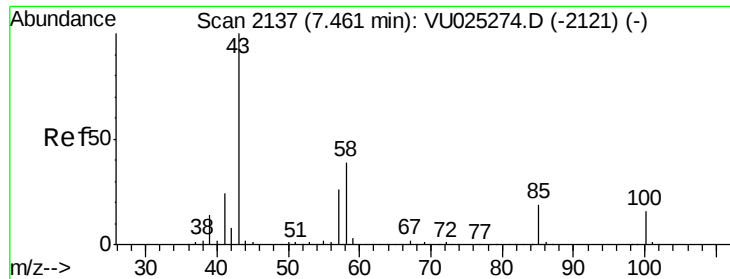
Tot Ion: 88 Resp: 26204
Ion Ratio Lower Upper
88 100
43 34.1 27.3 40.9
58 67.7 57.6 86.4



#50
Toluene-d8
Concen: 44.77 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 98 Resp: 332066
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 103.97 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

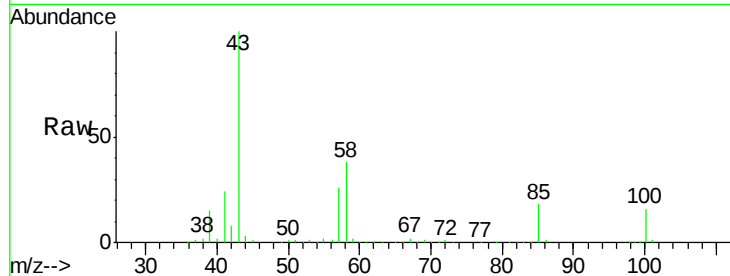
VU0712WBS02

Tot Ion: 43 Resp: 344481

Ion Ratio Lower Upper

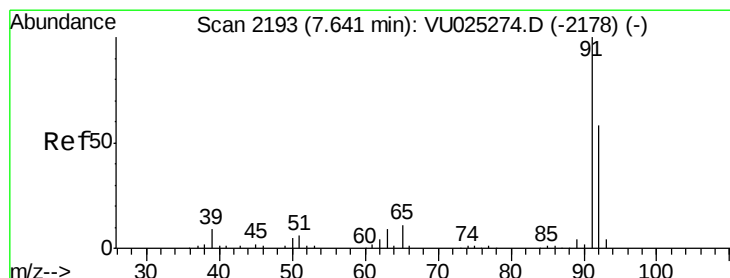
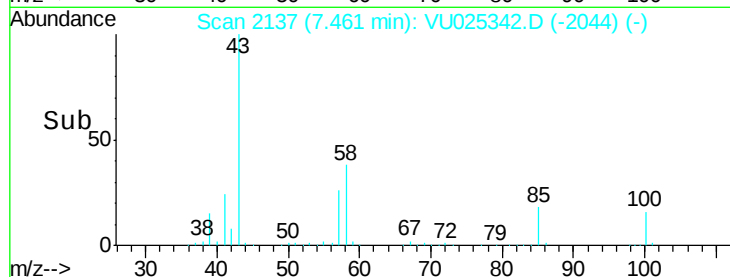
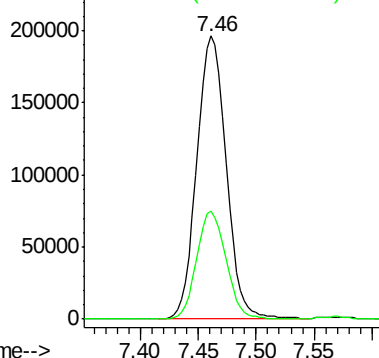
43 100

58 38.1 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.34 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025342.D

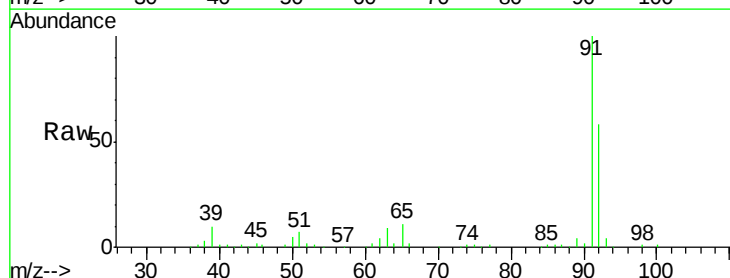
Acq: 12 Jul 2018 16:19

Tgt Ion: 92 Resp: 106451

Ion Ratio Lower Upper

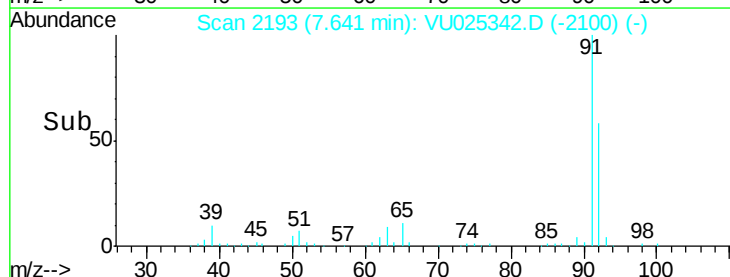
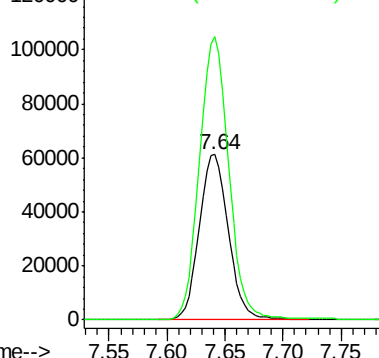
92 100

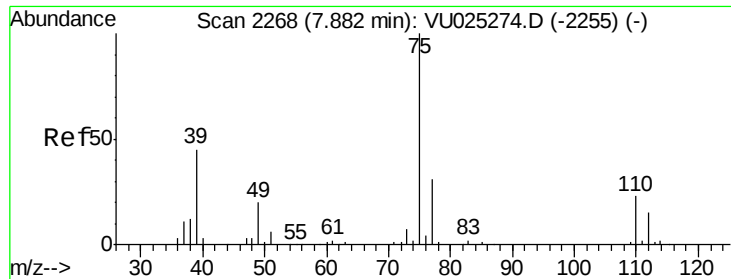
91 171.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 19.64 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

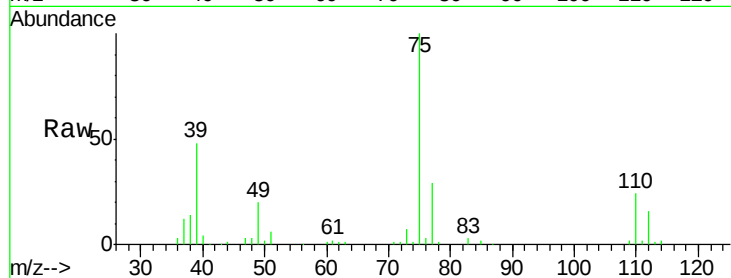
VU0712WBS02

Tot Ion: 75 Resp: 62840

Ion Ratio Lower Upper

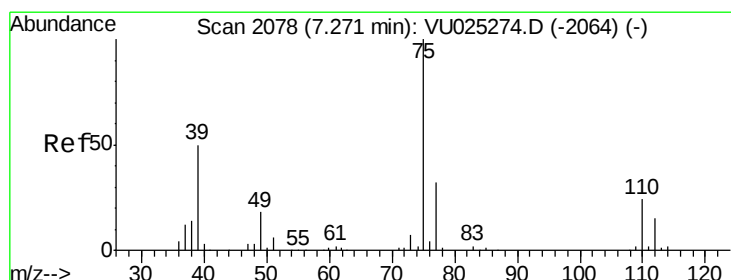
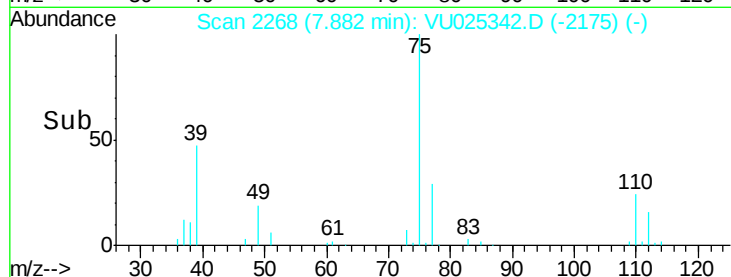
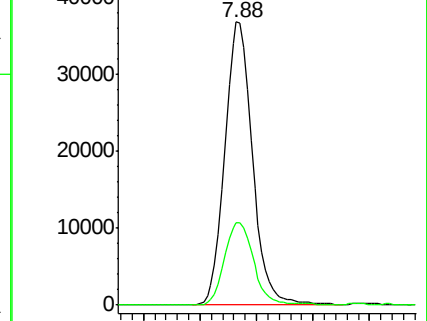
75 100

77 29.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.65 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

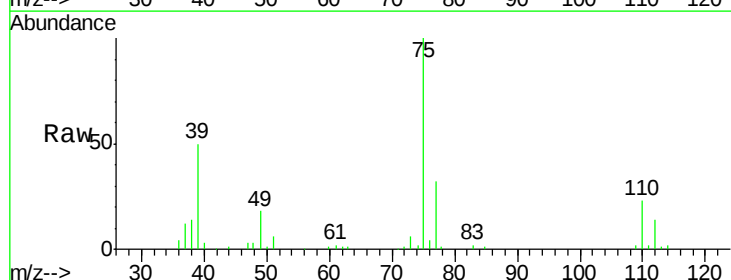
Tgt Ion: 75 Resp: 66925

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

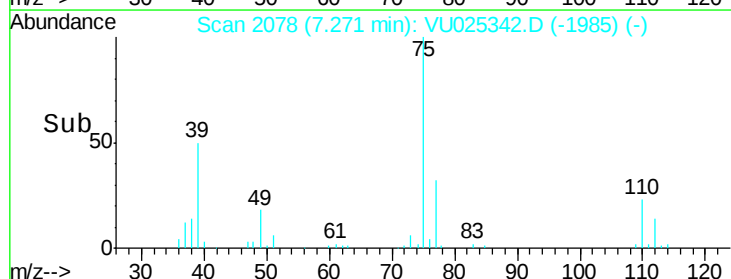
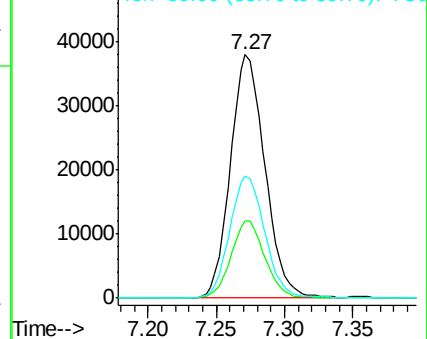
39 50.0 40.0 60.0

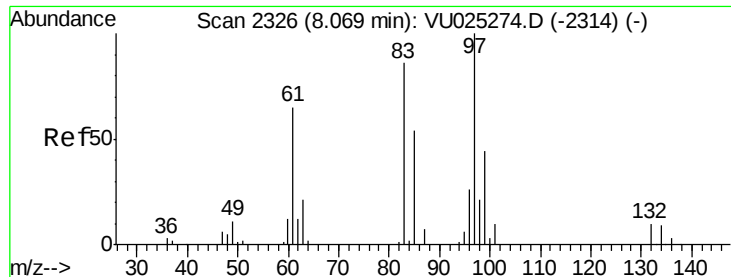


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

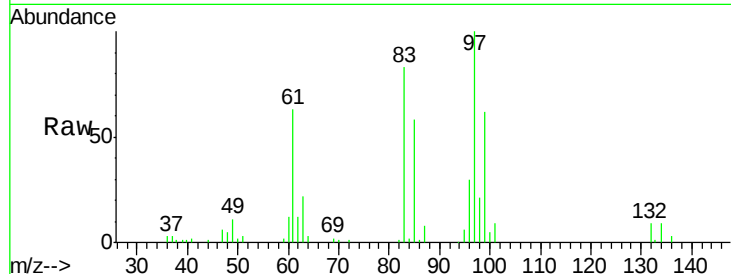




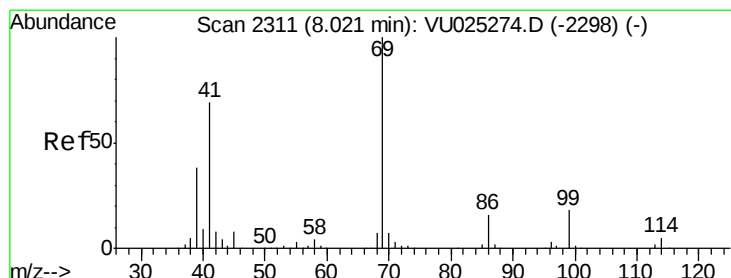
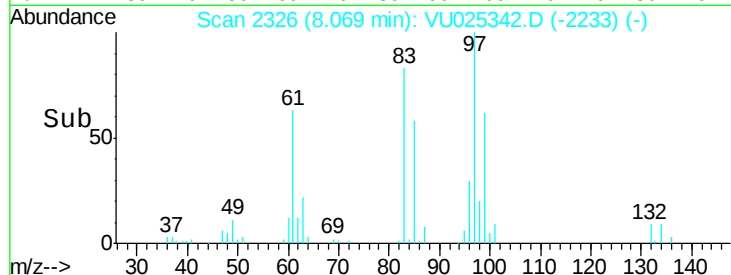
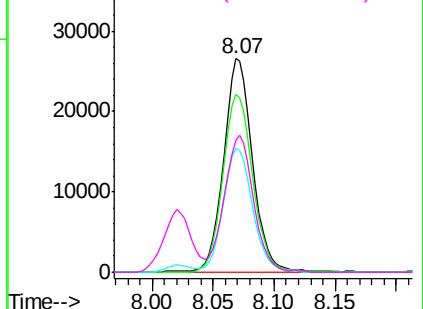
#55
 1,1,2-Trichloroethane
 Concen: 20.25 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion: 97 Resp: 44141
 Ion Ratio Lower Upper
 97 100
 83 83.3 68.9 103.3
 85 58.1 44.4 66.6
 99 61.7 51.0 76.4

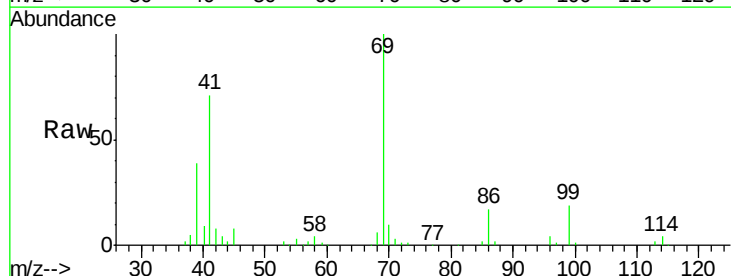


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

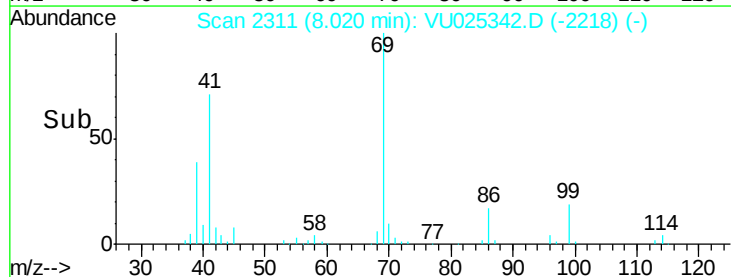
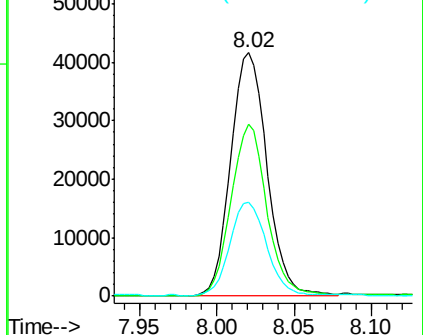


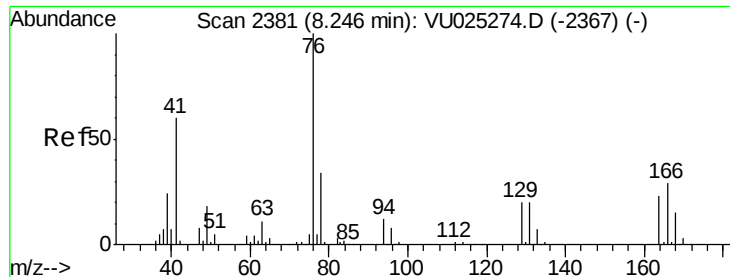
#56
 Ethyl methacrylate
 Concen: 19.95 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 69 Resp: 67919
 Ion Ratio Lower Upper
 69 100
 41 69.9 54.8 82.2
 39 40.0 31.1 46.7



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

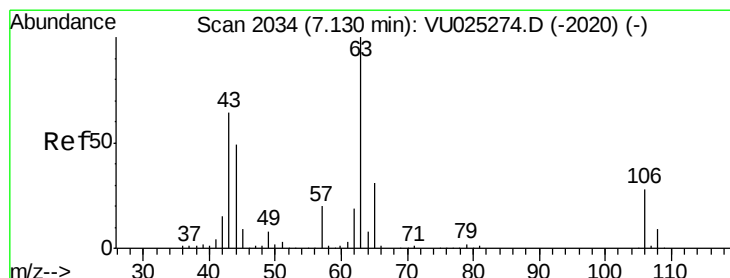
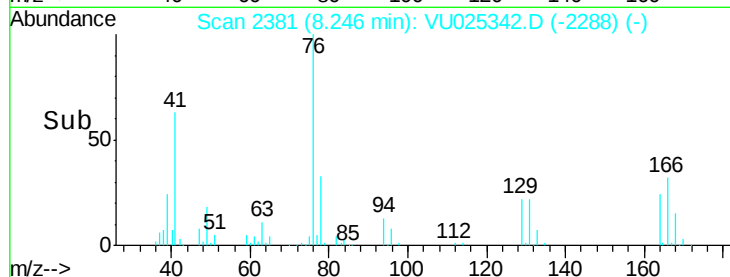
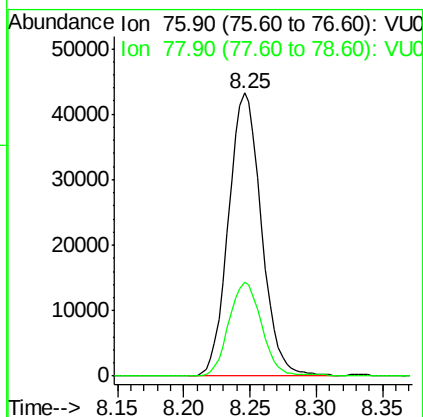
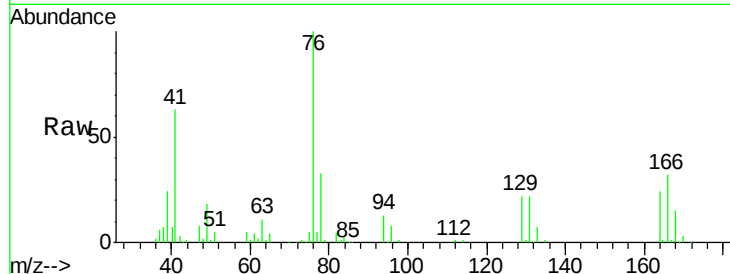




#57
 1,3-Dichloropropane
 Concen: 20.65 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

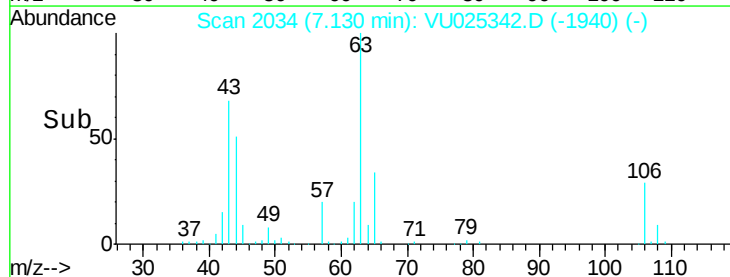
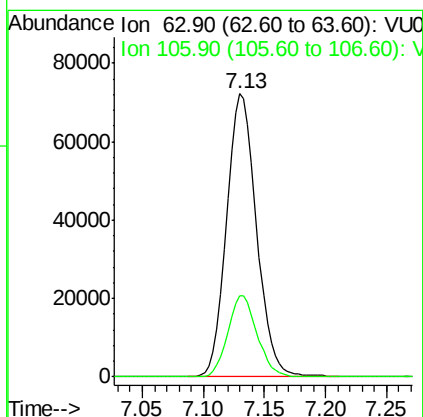
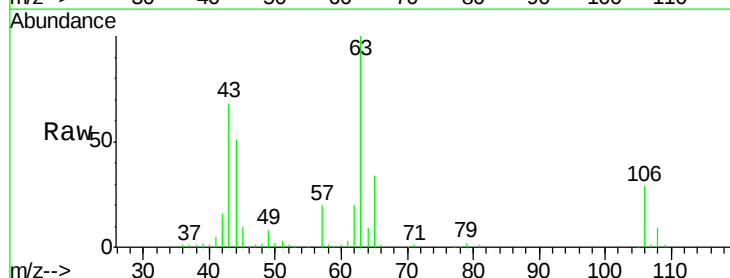
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

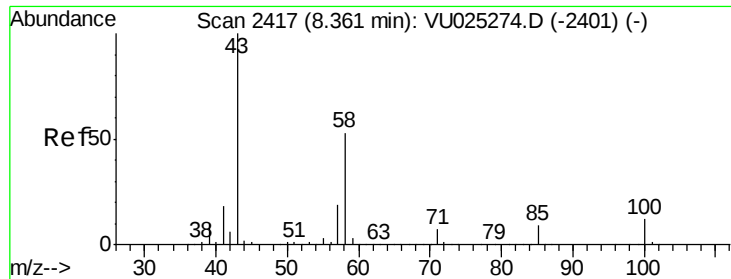
Tot Ion: 76 Resp: 74727
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.08 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 63 Resp: 124366
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5

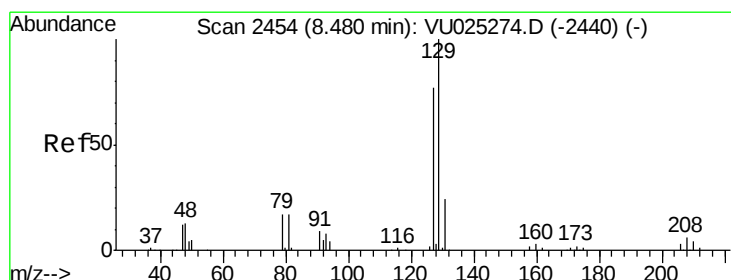
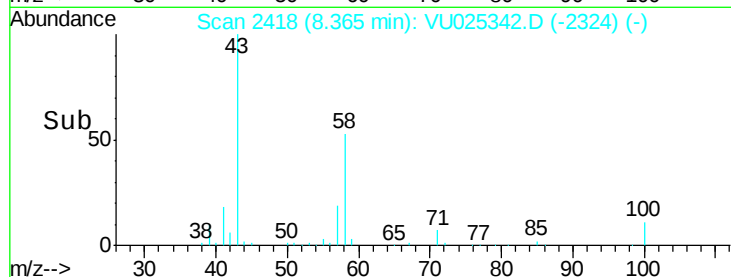
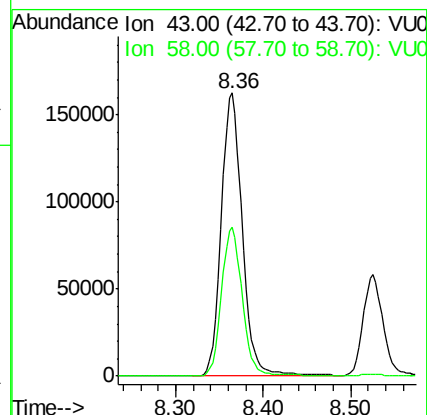
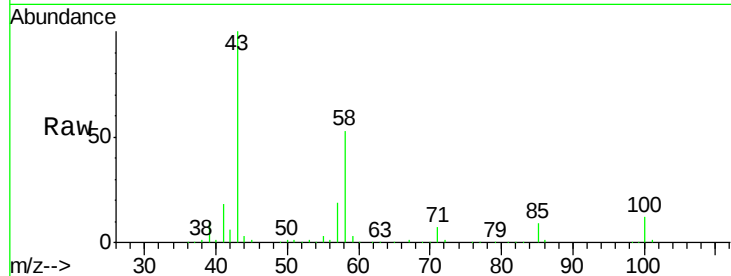




#59
2-Hexanone
Concen: 101.27 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

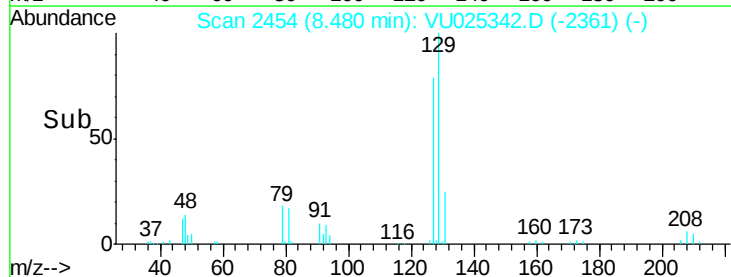
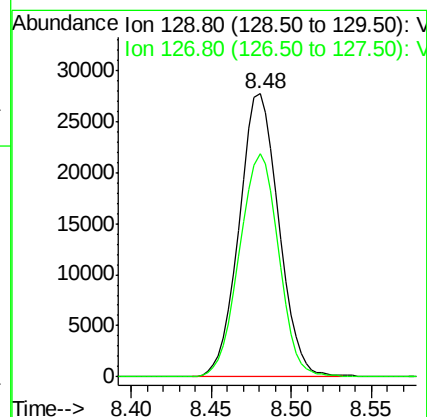
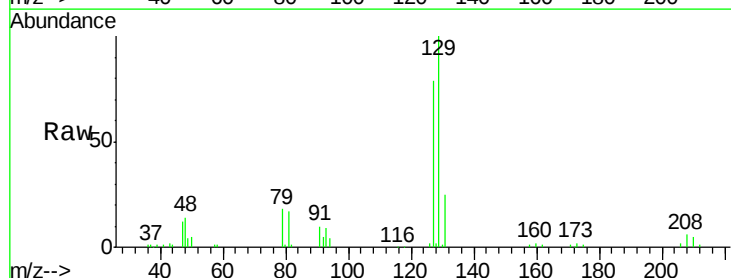
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

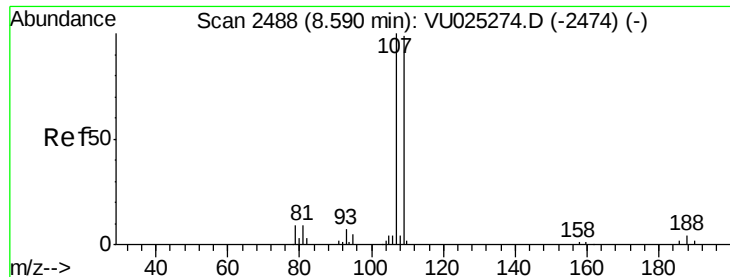
Tot Ion: 43 Resp: 272169
Ion Ratio Lower Upper
43 100
58 51.3 26.2 78.5



#60
Dibromochloromethane
Concen: 19.86 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion:129 Resp: 46752
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

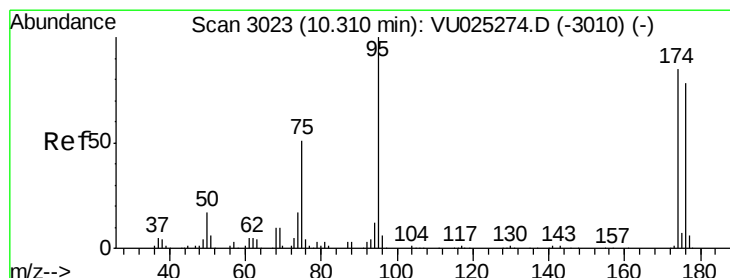
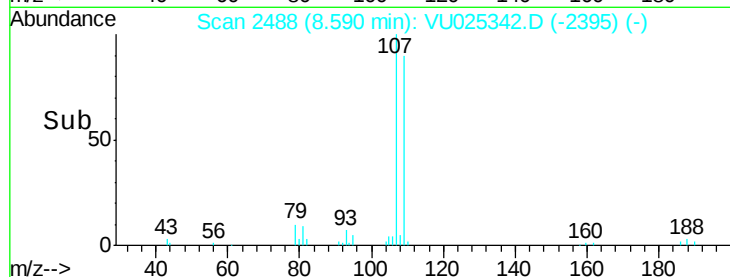
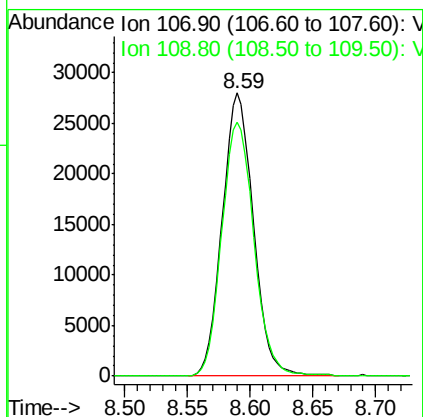
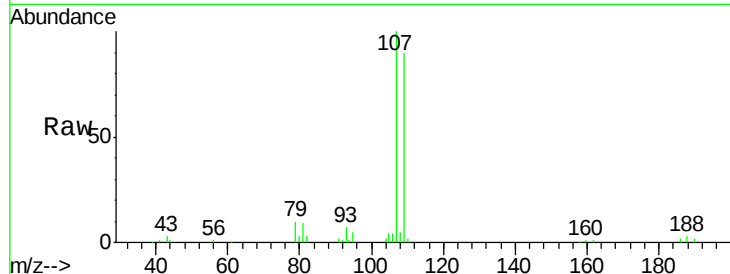




#61
 1,2-Dibromoethane
 Concen: 20.72 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

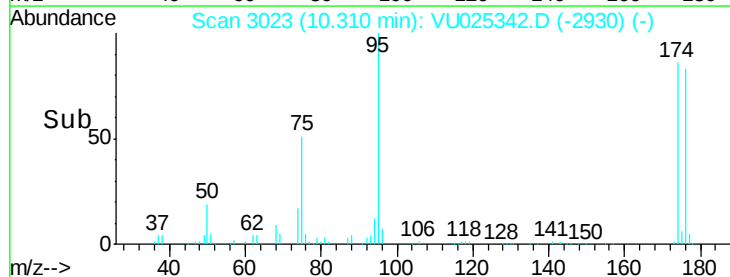
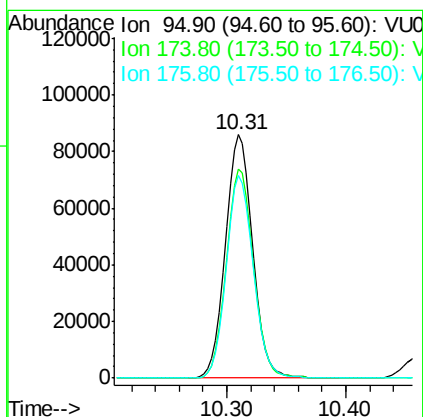
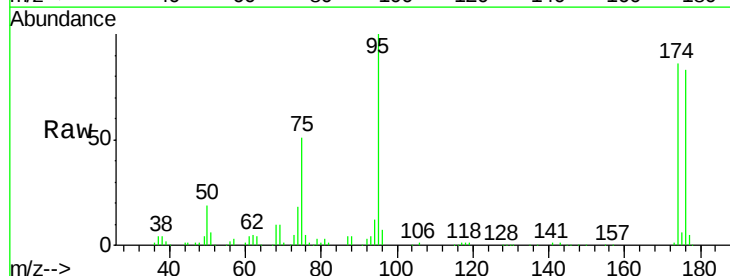
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

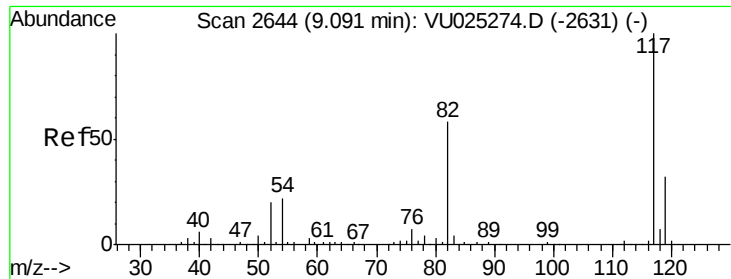
Tot Ion:107 Resp: 48320
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 45.51 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 95 Resp: 135911
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 172.2
 176 82.9 0.0 162.6

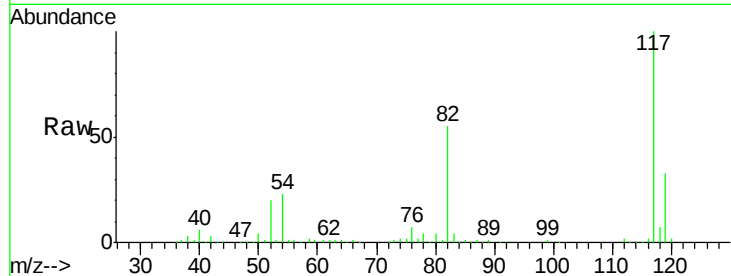




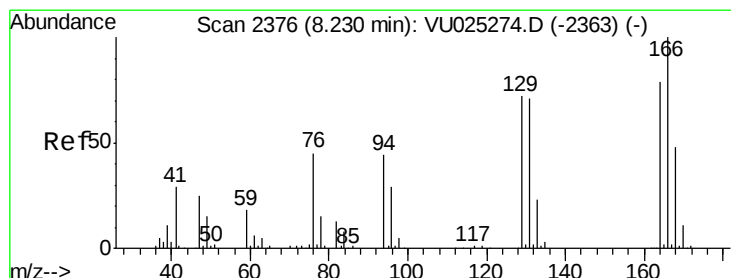
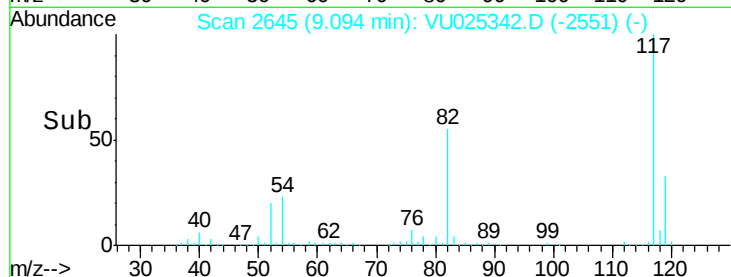
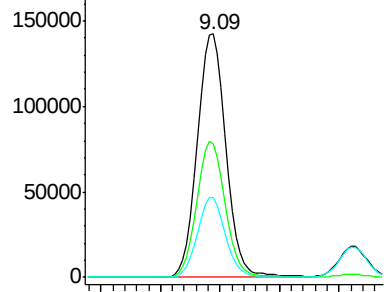
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion:117 Resp: 238144
Ion Ratio Lower Upper
117 100
82 55.1 46.0 69.0
119 32.6 26.0 39.0

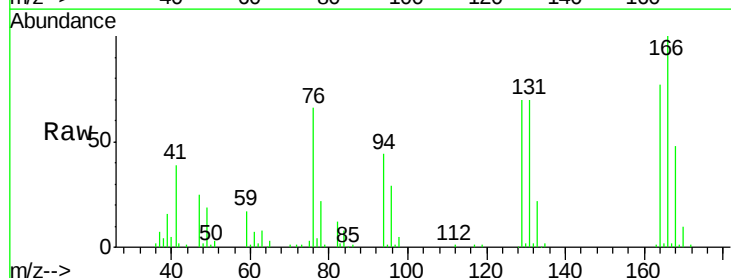


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

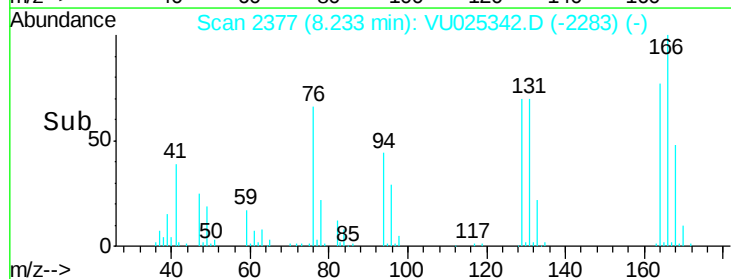
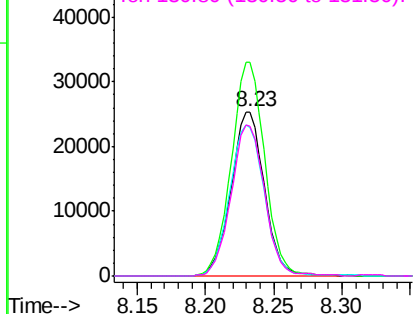


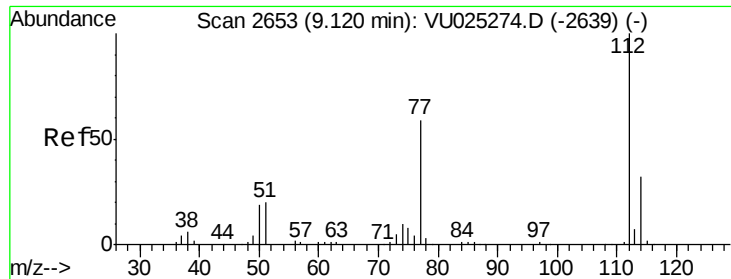
#64
Tetrachloroethene
Concen: 19.81 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion:164 Resp: 43001
Ion Ratio Lower Upper
164 100
166 130.2 101.1 151.7
129 90.9 73.0 109.6
131 91.0 72.1 108.1



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

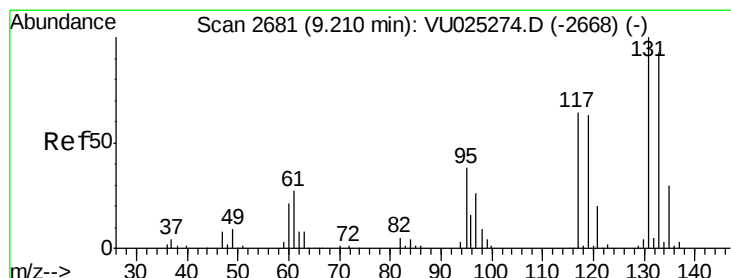
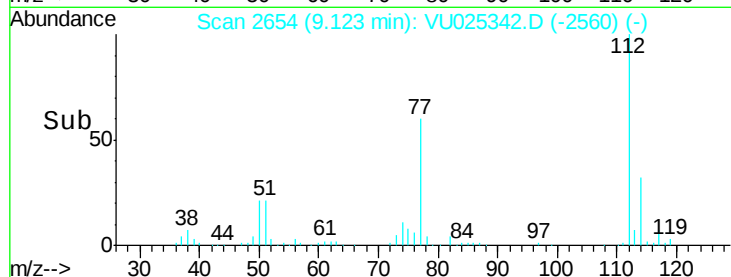
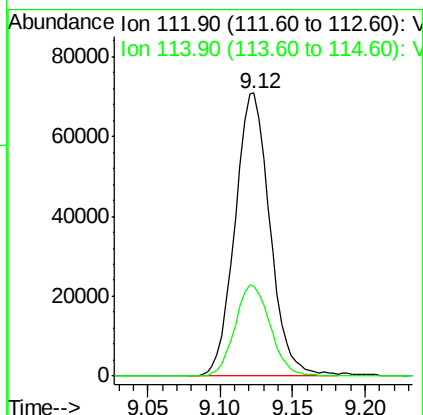
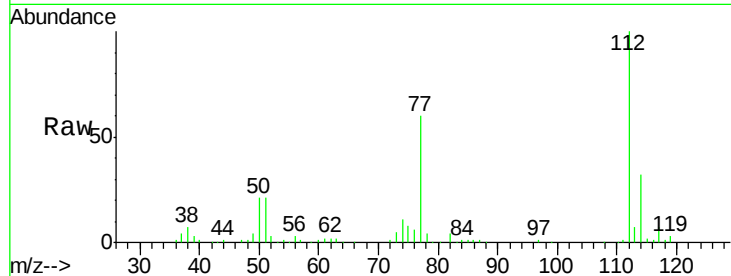




#65
Chlorobenzene
Concen: 20.01 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

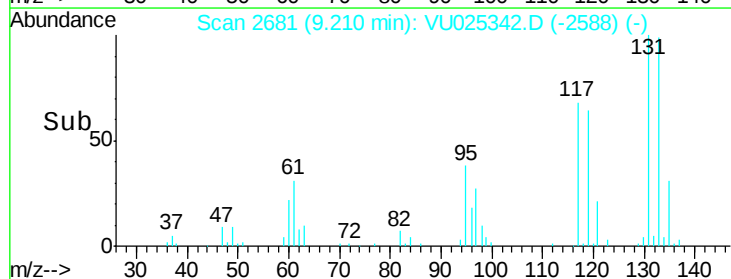
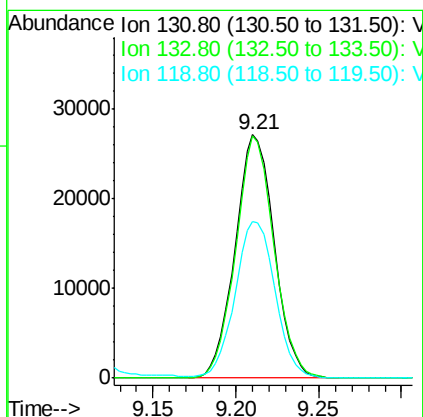
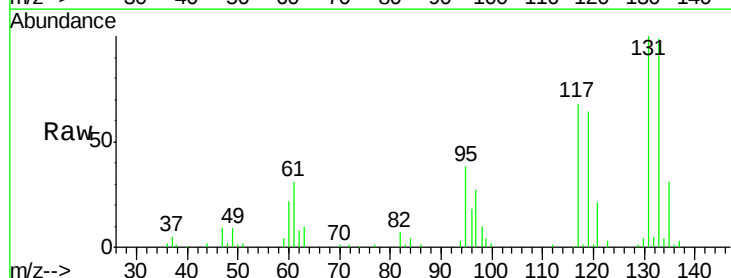
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

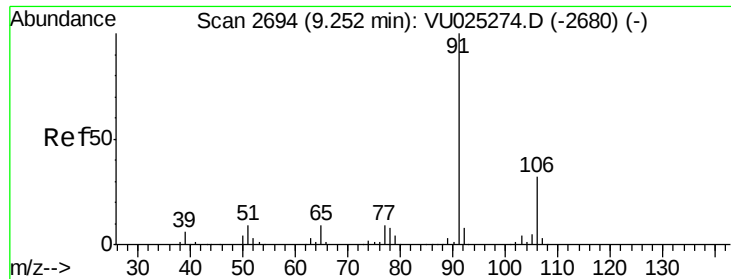
Tot Ion:112 Resp: 119029
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.95 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion:131 Resp: 44578
Ion Ratio Lower Upper
131 100
133 97.5 47.8 143.3
119 65.9 31.6 95.0

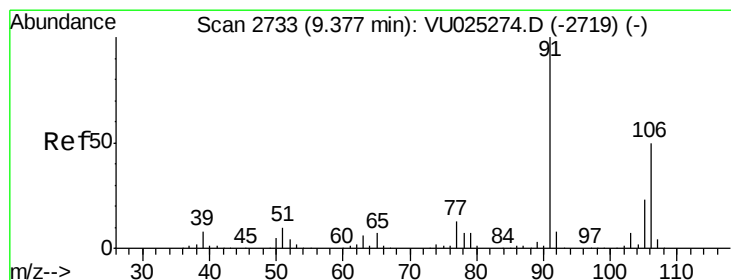
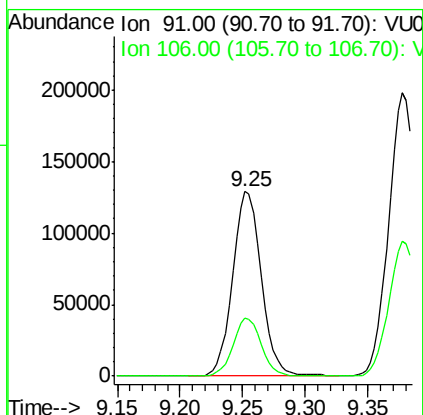
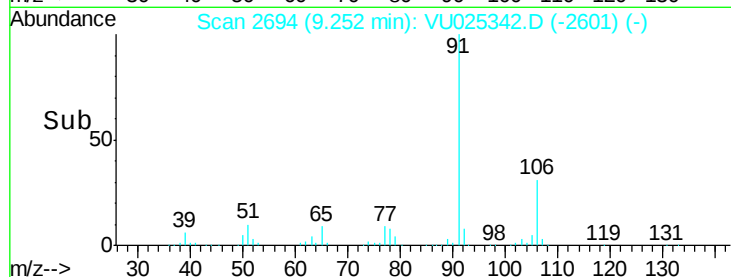
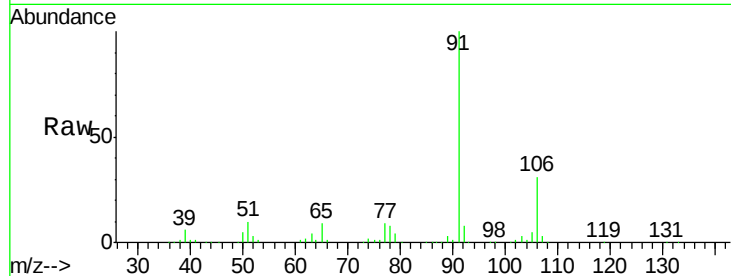




#67
Ethyl Benzene
Concen: 20.27 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

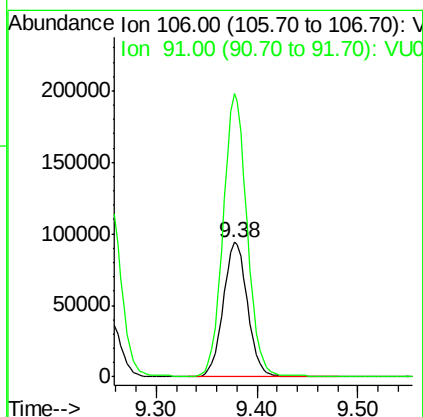
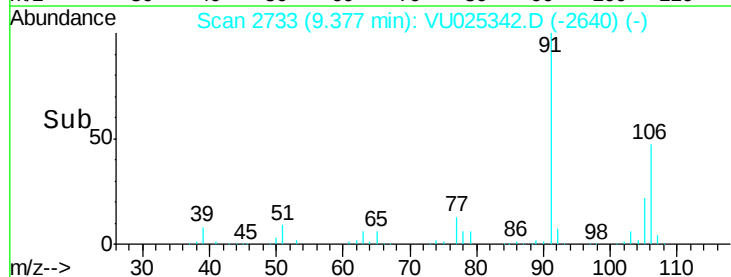
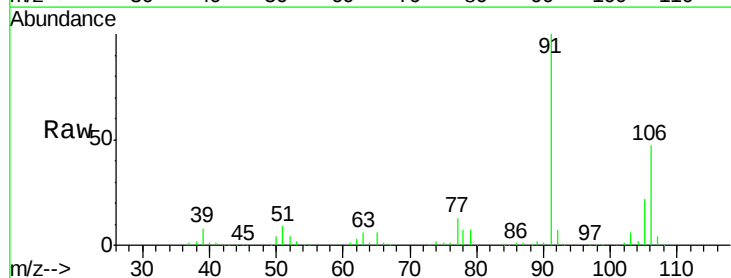
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 91 Resp: 205592
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9



#68
m/p-Xylenes
Concen: 40.50 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 106 Resp: 158816
Ion Ratio Lower Upper
106 100
91 206.9 162.3 243.5

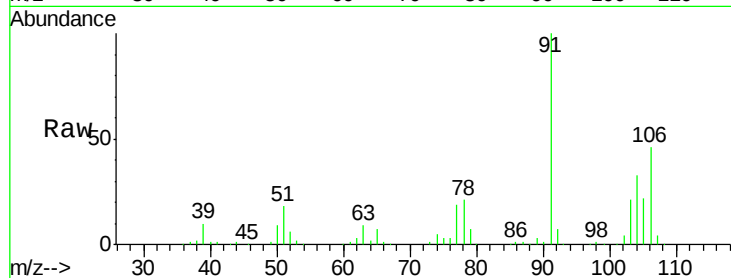




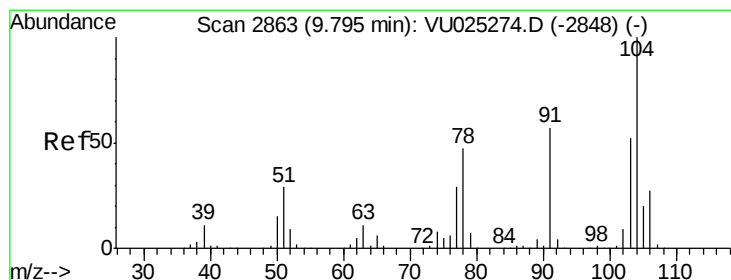
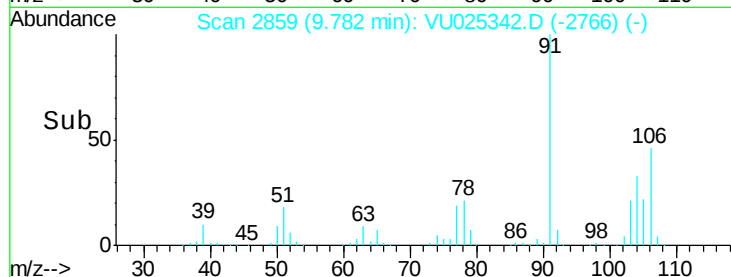
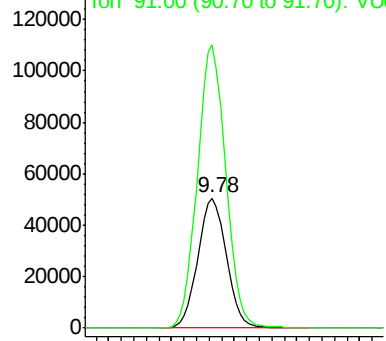
#69
o-Xylene
Concen: 20.43 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion:106 Resp: 80205
Ion Ratio Lower Upper
106 100
91 215.6 105.3 315.8

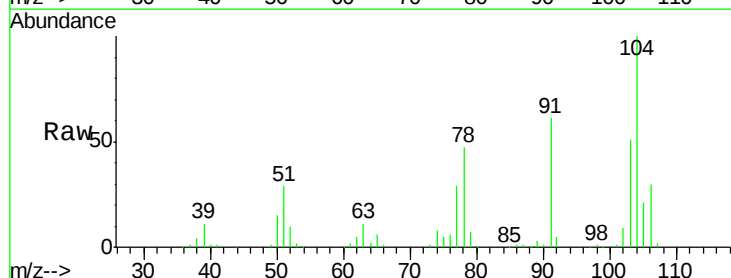


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

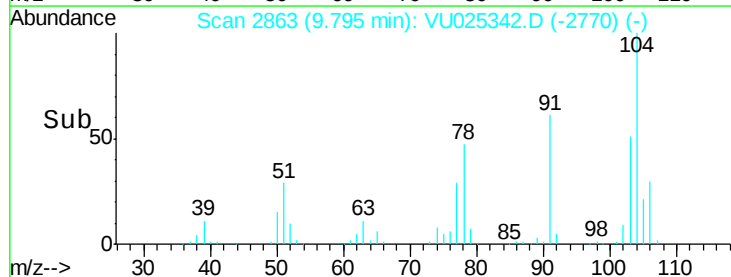
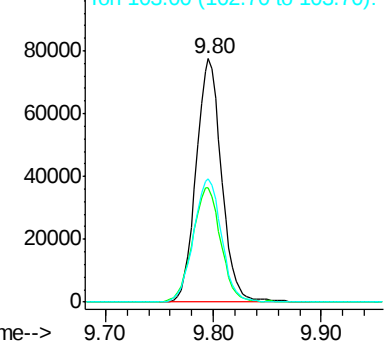


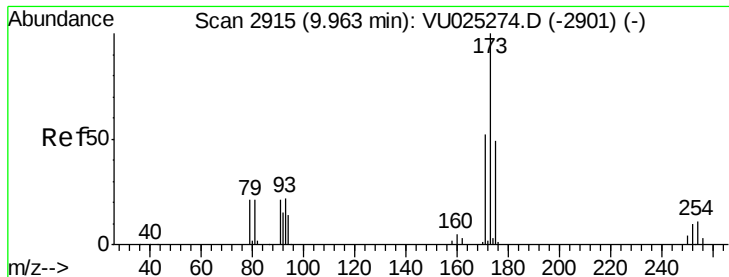
#70
Styrene
Concen: 20.48 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion:104 Resp: 127728
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 55.6 44.6 66.8



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





#71

Bromoform

Concen: 20.03 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

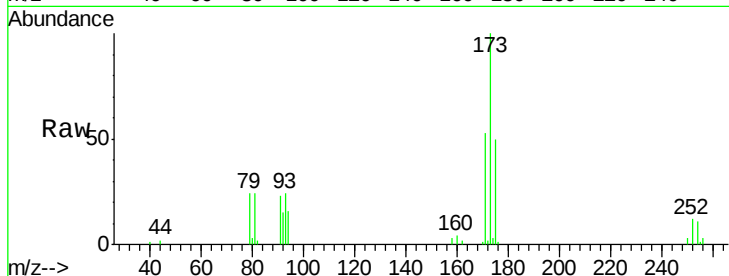
Tot Ion:173 Resp: 34978

Ion Ratio Lower Upper

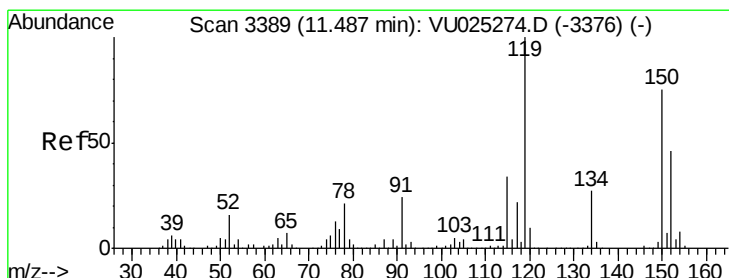
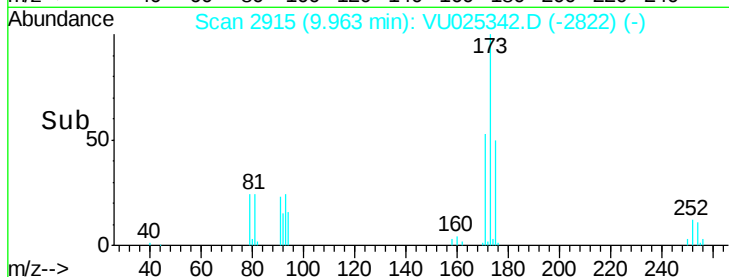
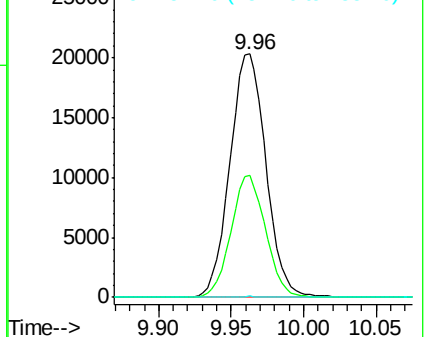
173 100

175 47.9 24.0 72.0

254 0.1 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: VU025342.D

Acq: 12 Jul 2018 16:19

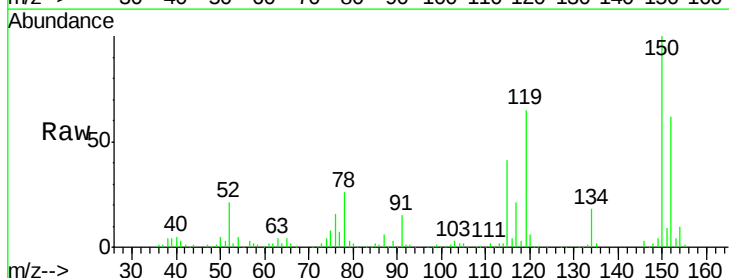
Tgt Ion:152 Resp: 137952

Ion Ratio Lower Upper

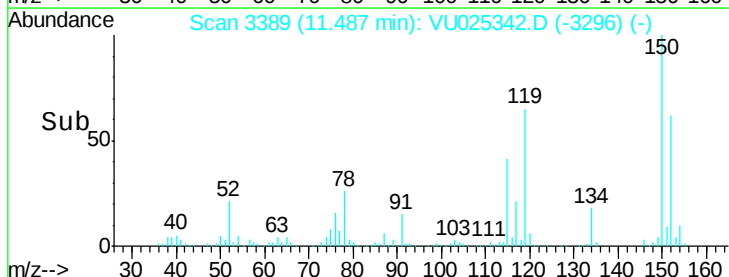
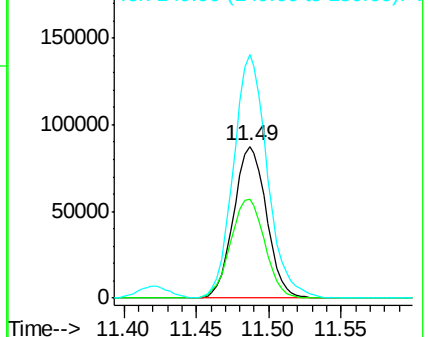
152 100

115 68.0 40.1 120.3

150 165.0 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.81 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

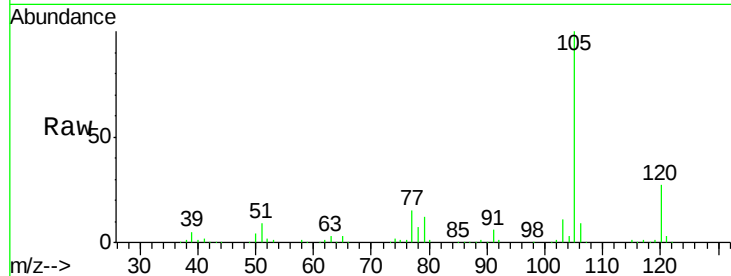
VU0712WBS02

Tot Ion:105 Resp: 219342

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

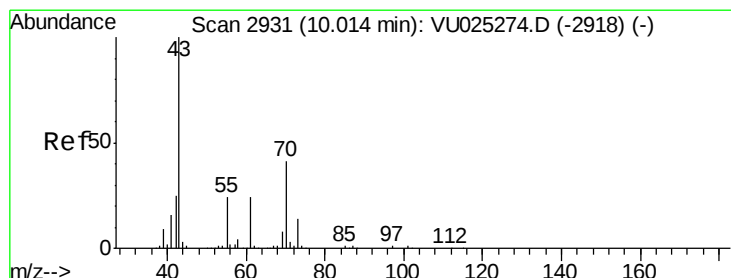
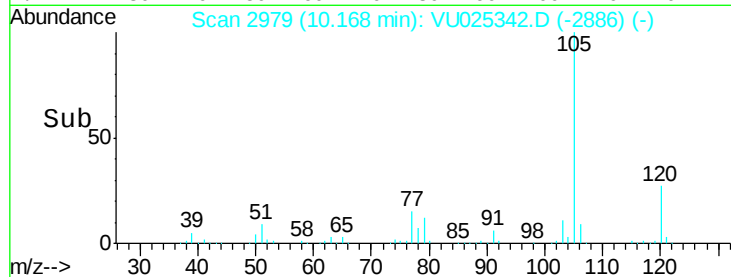
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.36 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion: 43 Resp: 88920

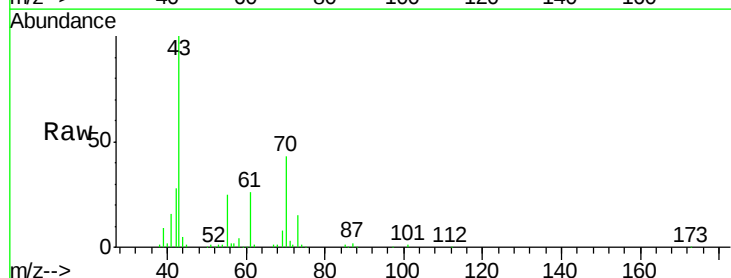
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.2

55 24.6 19.0 28.6

61 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

80000

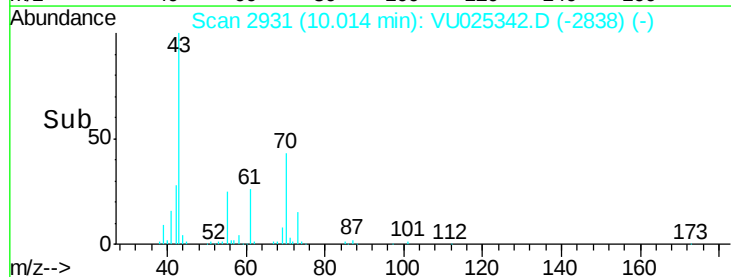
60000

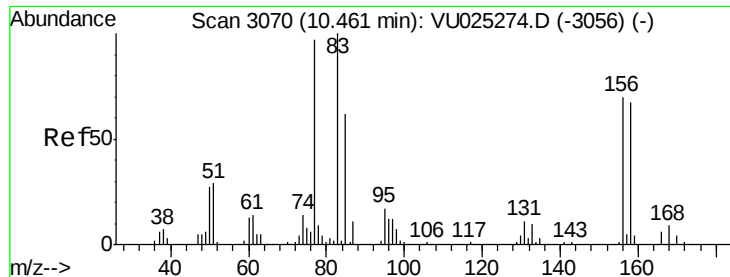
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.27 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

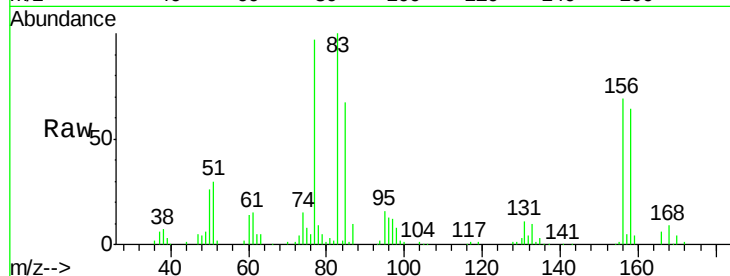
Tot Ion: 83 Resp: 73349

Ion Ratio Lower Upper

83 100

131 10.1 5.5 16.4

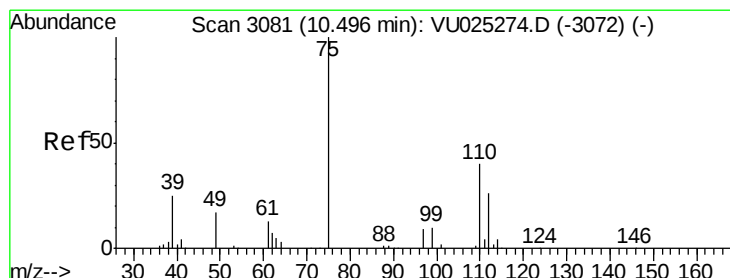
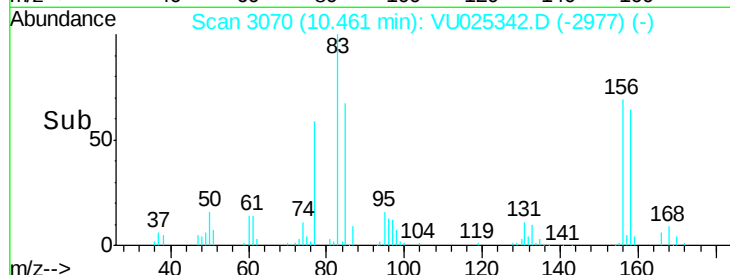
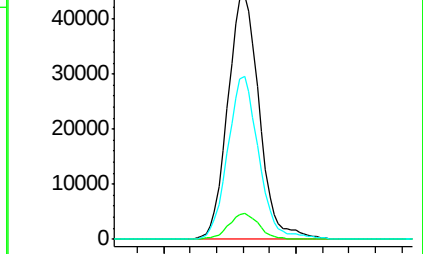
85 65.7 31.6 94.8



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: 29.51 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025342.D

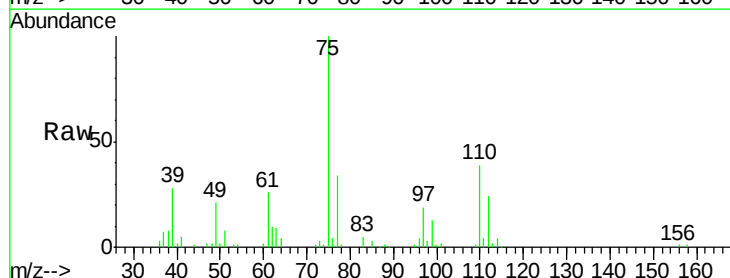
Acq: 12 Jul 2018 16:19

Tgt Ion: 75 Resp: 82982

Ion Ratio Lower Upper

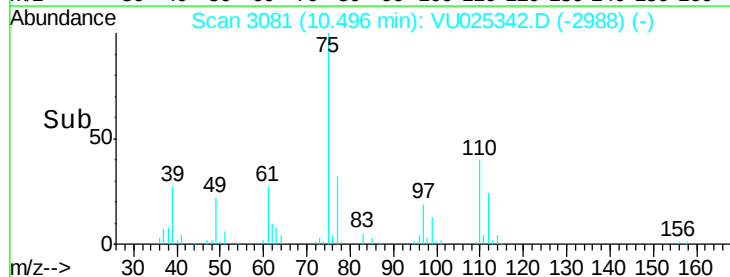
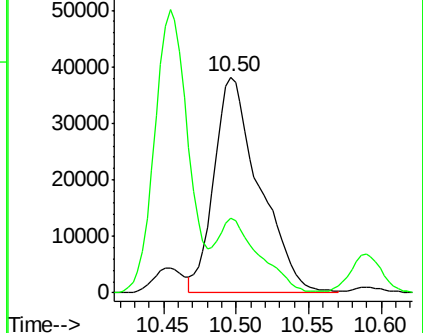
75 100

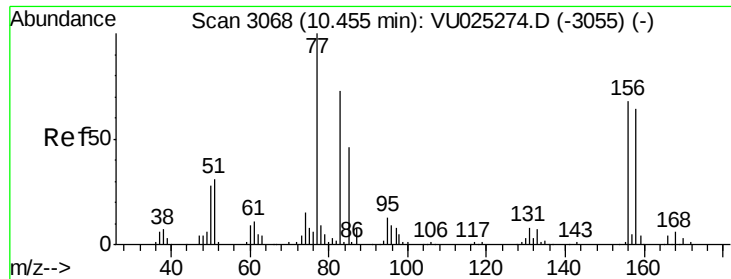
77 31.0 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.57 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

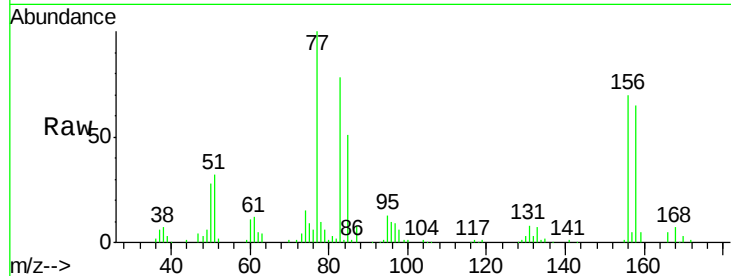
Tot Ion:156 Resp: 55480

Ion Ratio Lower Upper

156 100

77 144.9 73.8 221.4

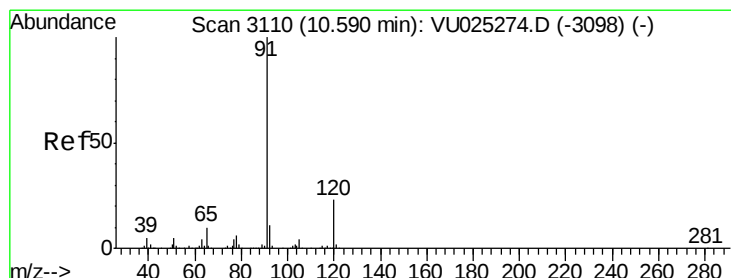
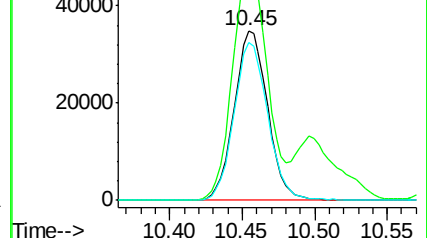
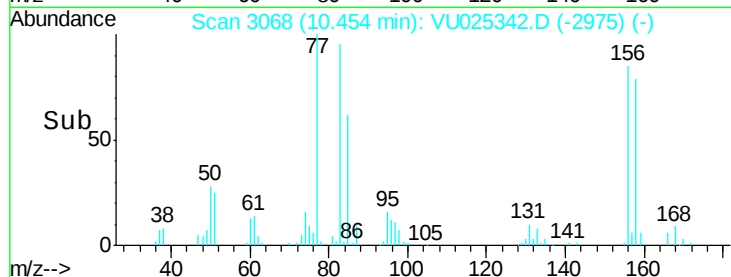
158 94.6 48.0 144.0



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: 20.38 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025342.D

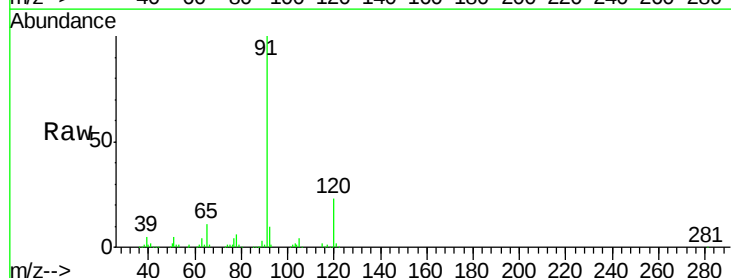
Acq: 12 Jul 2018 16:19

Tgt Ion: 91 Resp: 238335

Ion Ratio Lower Upper

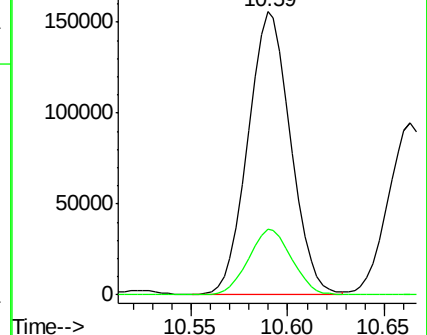
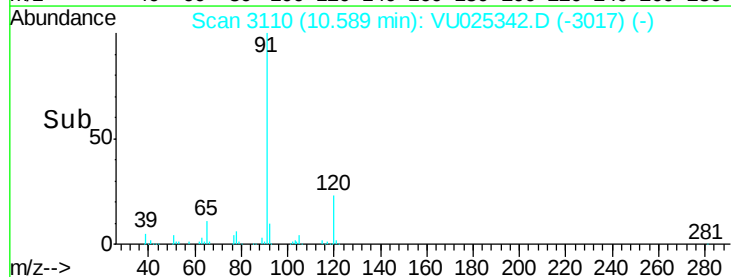
91 100

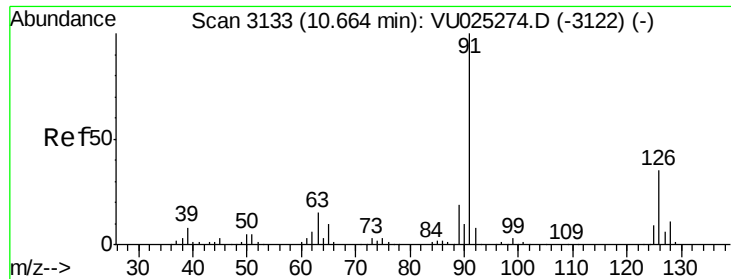
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

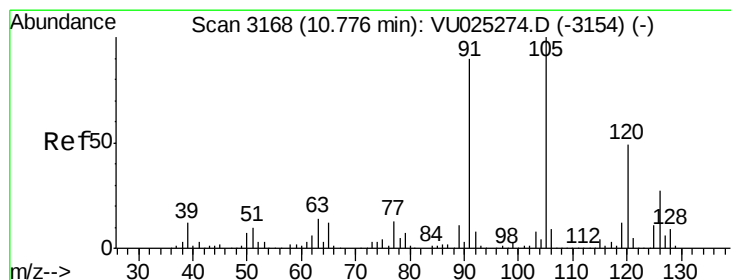
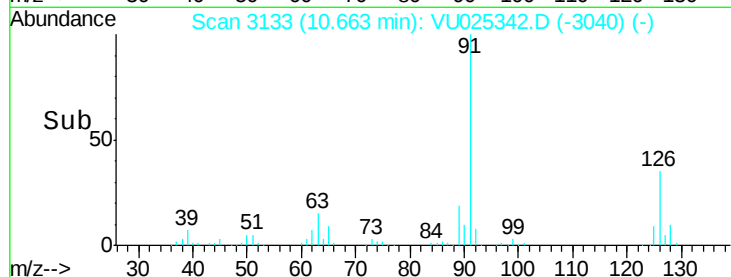
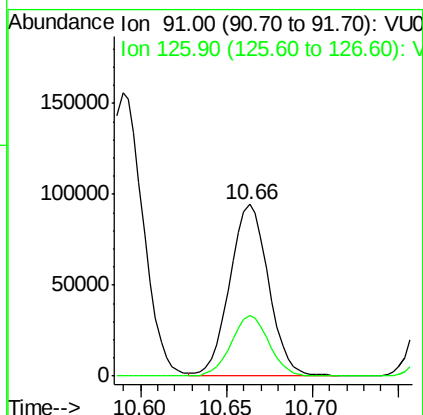
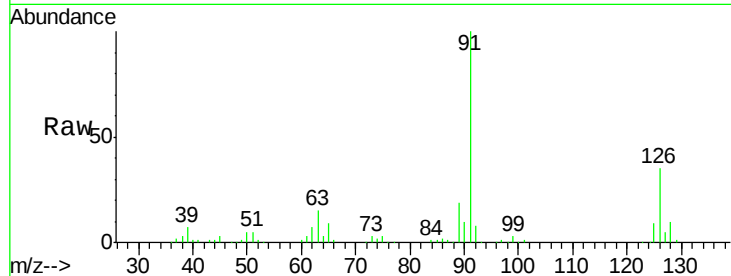




#79
 2-Chlorotoluene
 Concen: 22.02 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

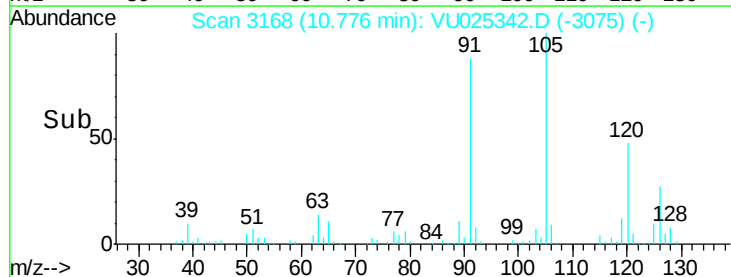
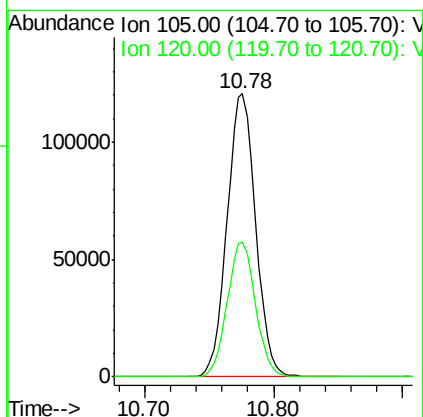
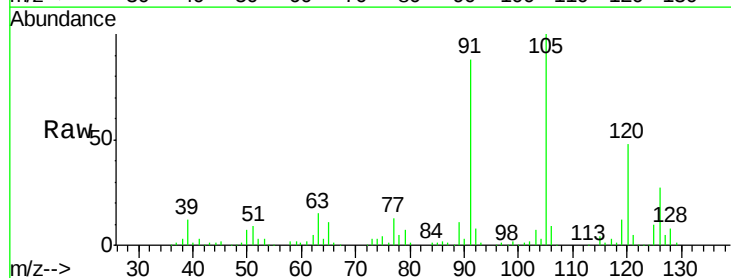
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

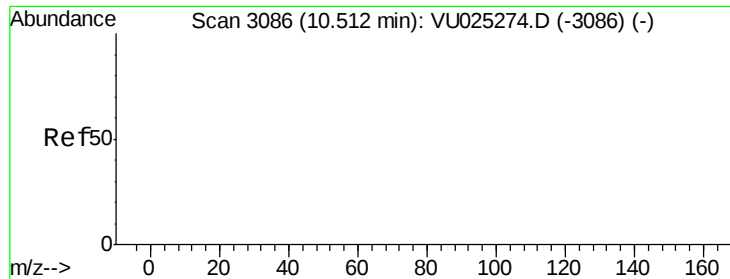
Tot Ion: 91 Resp: 147351
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.84 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 105 Resp: 184856
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.2

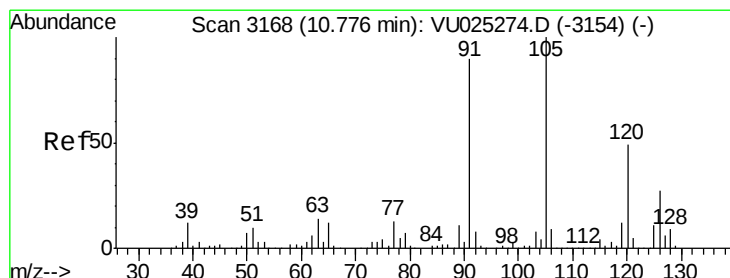
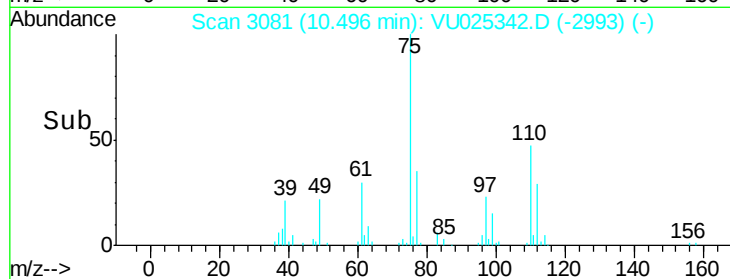
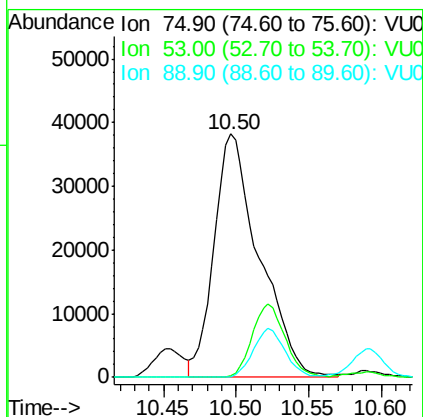
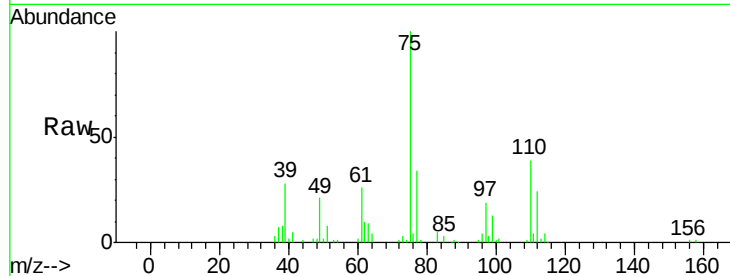




#81
trans-1,4-Dichloro-2-butene
Concen: 75.50 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

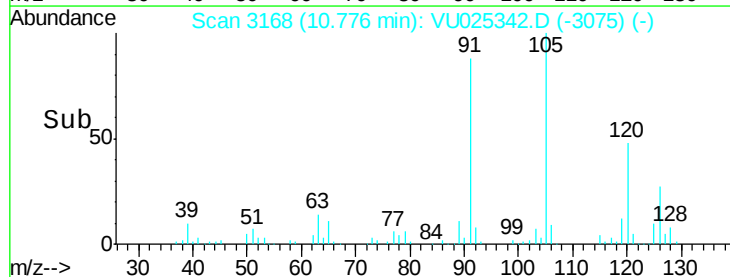
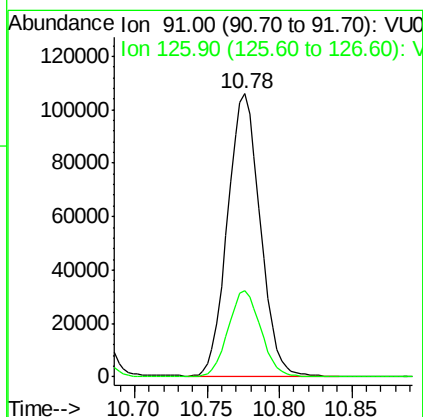
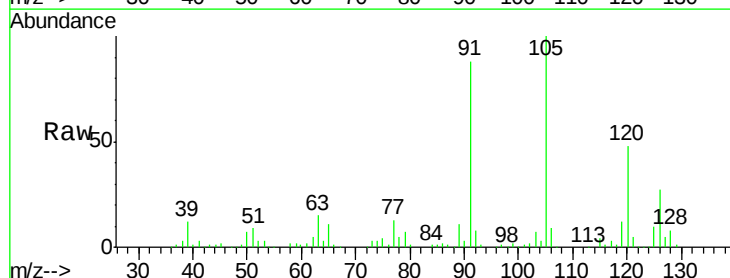
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 75 Resp: 82982
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.92 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 91 Resp: 164989
Ion Ratio Lower Upper
91 100
126 30.5 15.3 45.9

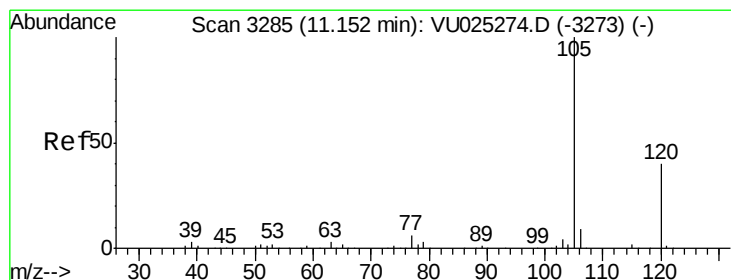
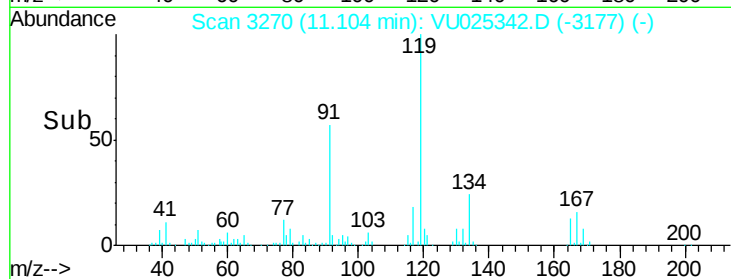
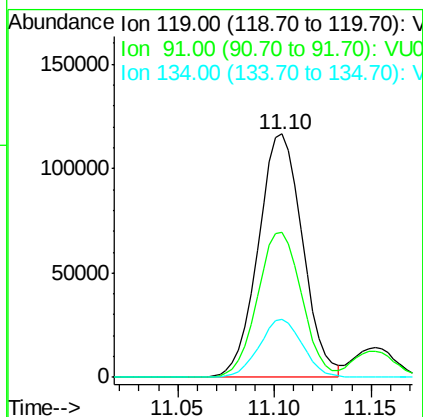
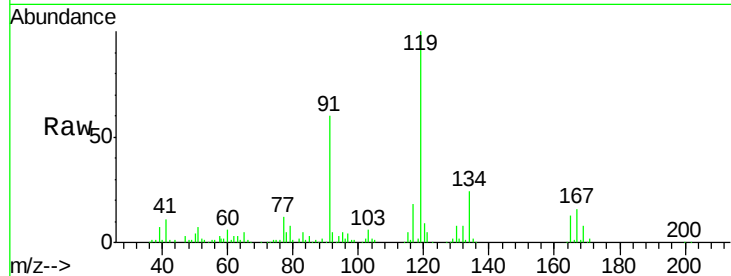




#83
 tert-Butylbenzene
 Concen: 20.76 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

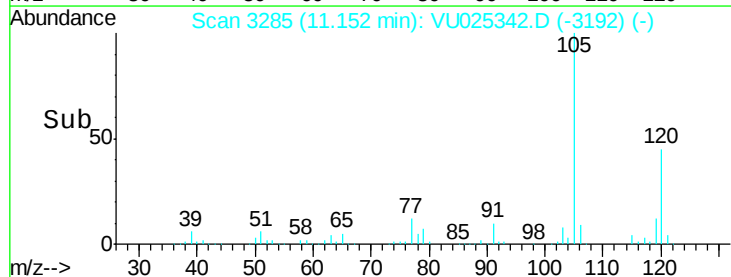
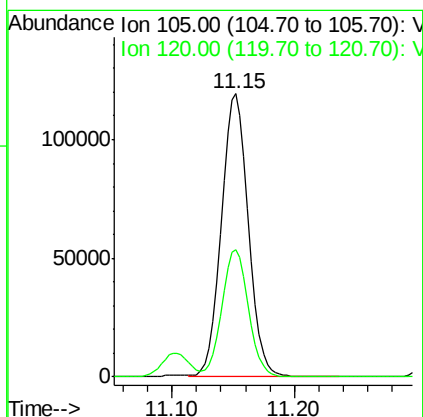
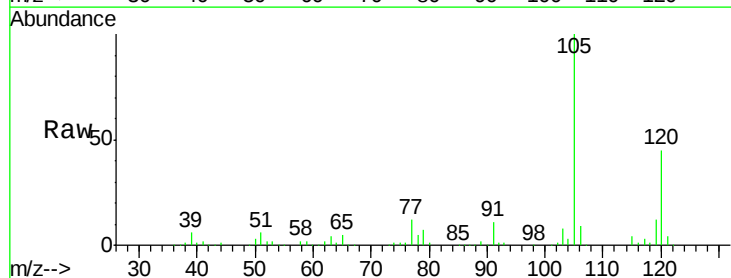
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.7	89.1
134	23.2	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.42 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.60 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

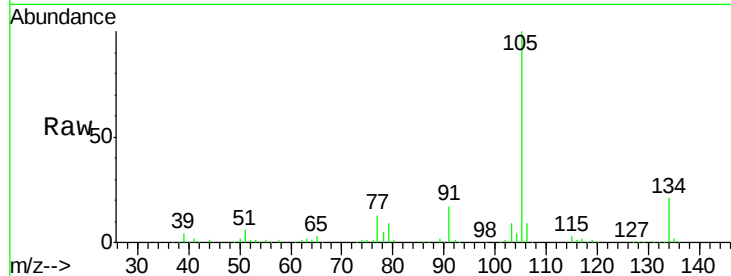
VU0712WBS02

Tot Ion:105 Resp: 217431

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

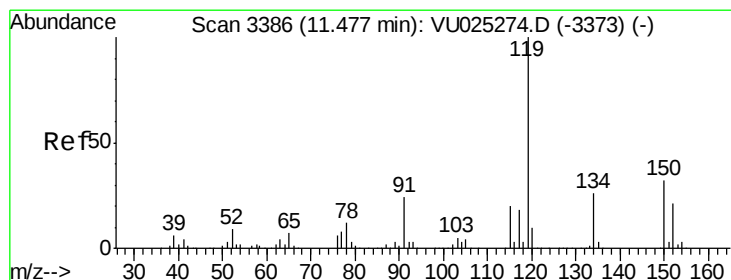
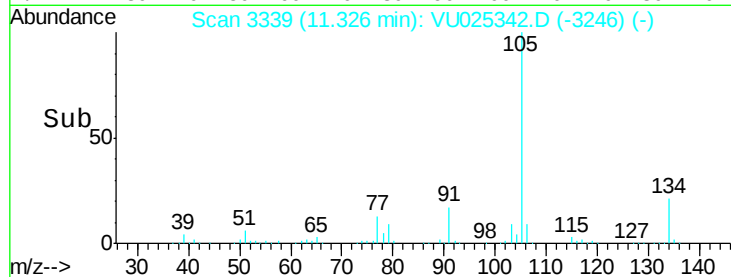
150000

100000

50000

0

Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 20.31 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

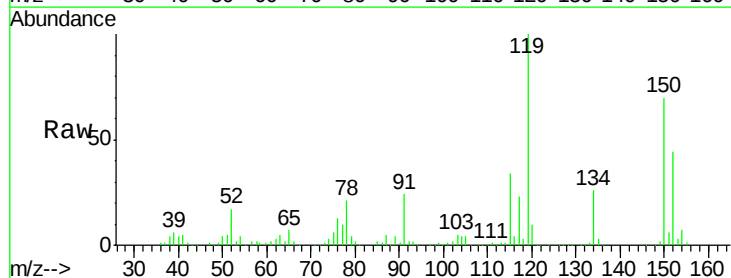
Tgt Ion:119 Resp: 189776

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

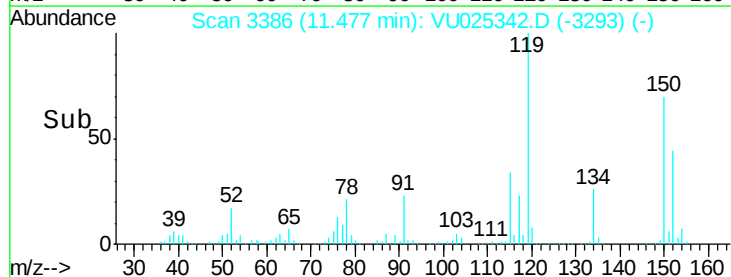
150000

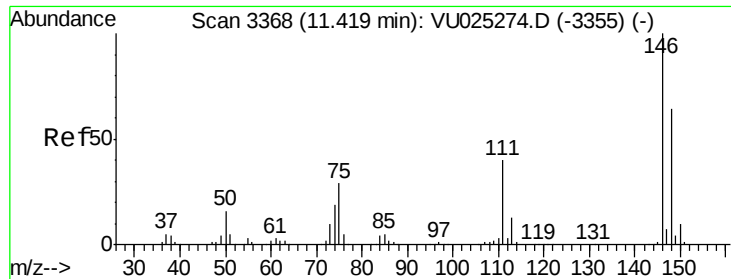
100000

50000

0

Time--> 11.40 11.45 11.50 11.55

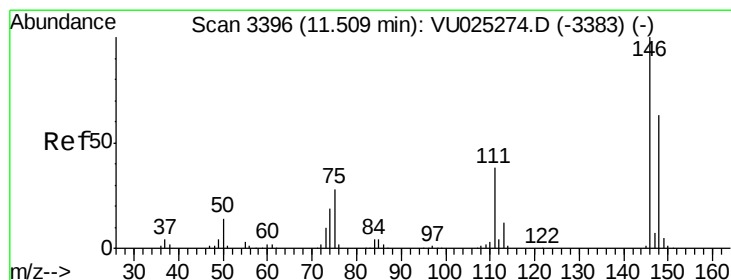
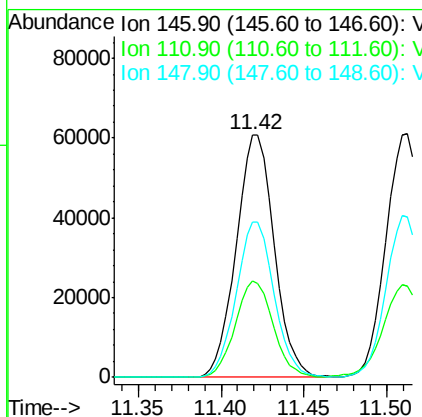
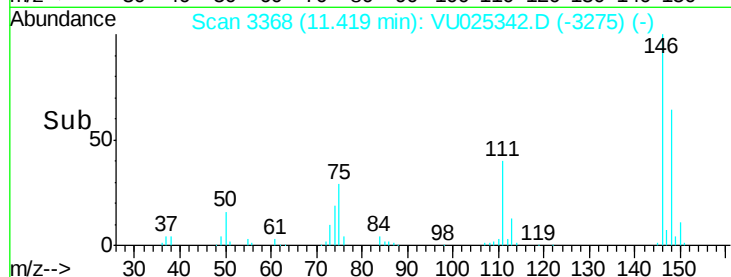
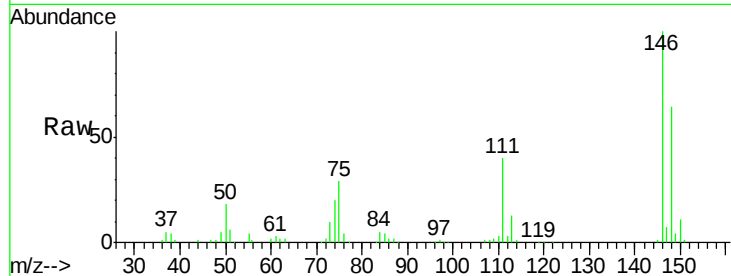




#87
 1,3-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

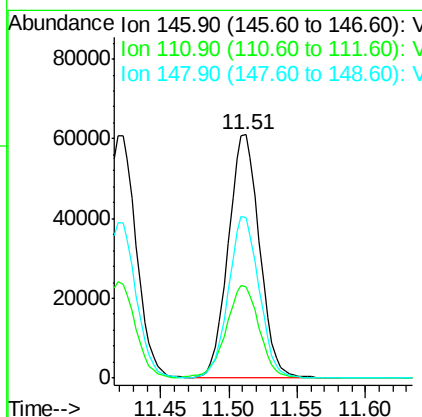
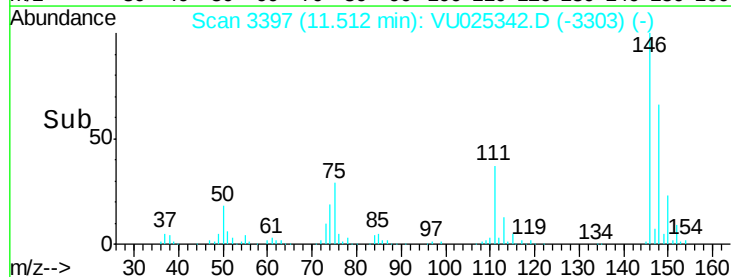
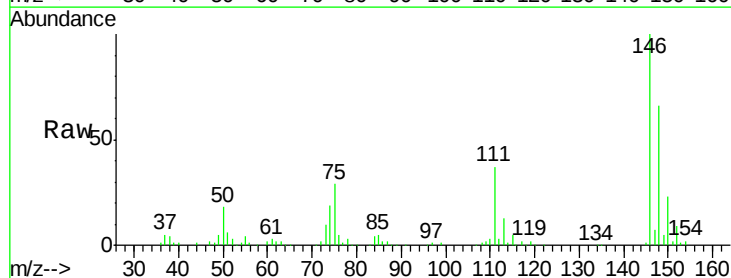
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

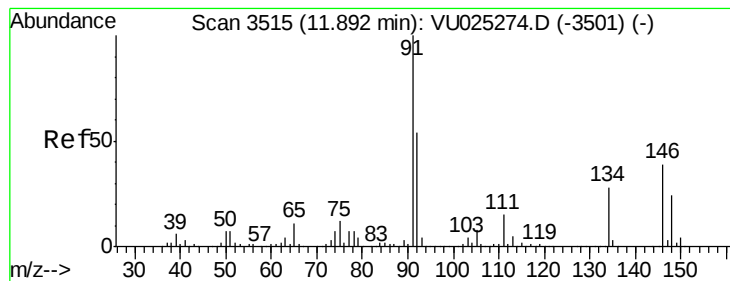
Tot Ion:146 Resp: 97022
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.7 59.1
 148 63.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.09 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion:146 Resp: 97275
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.4 58.1
 148 65.6 31.7 95.1





#89

n-Butylbenzene

Concen: 18.62 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

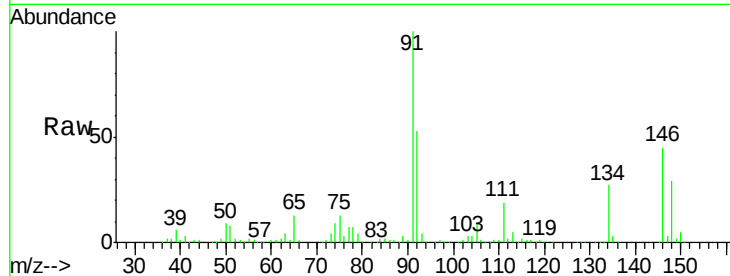
Tot Ion: 91 Resp: 143001

Ion Ratio Lower Upper

91 100

92 53.1 26.5 79.5

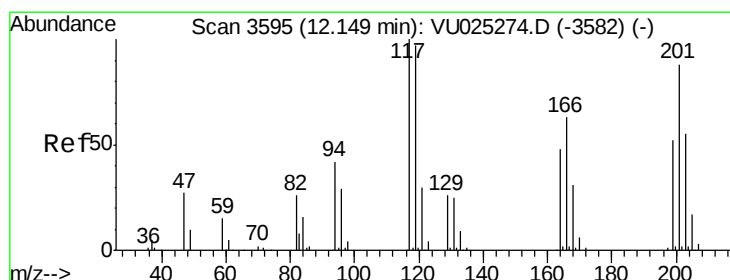
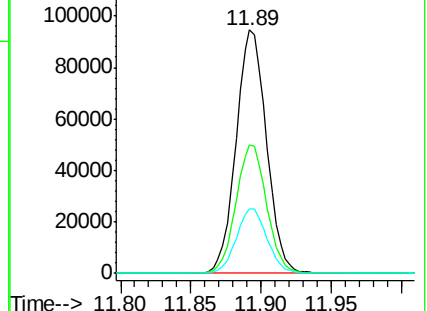
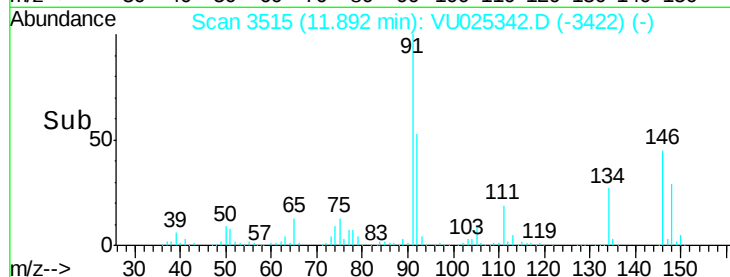
134 27.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025274.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3501) (-)



#90

Hexachloroethane

Concen: 18.82 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025342.D

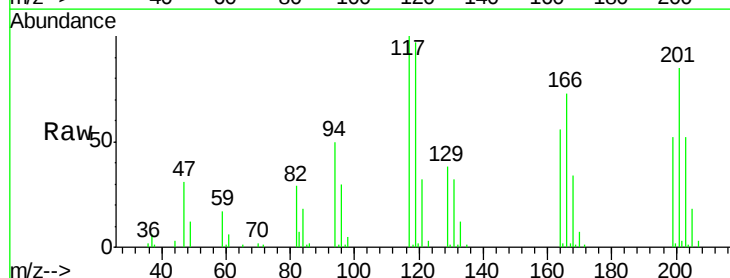
Acq: 12 Jul 2018 16:19

Tgt Ion: 117 Resp: 29784

Ion Ratio Lower Upper

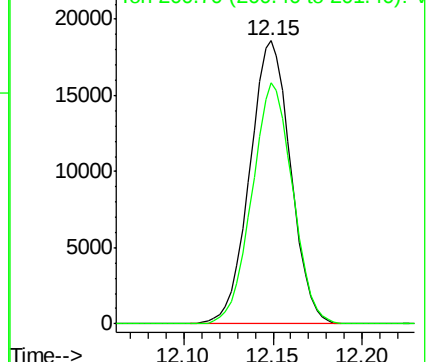
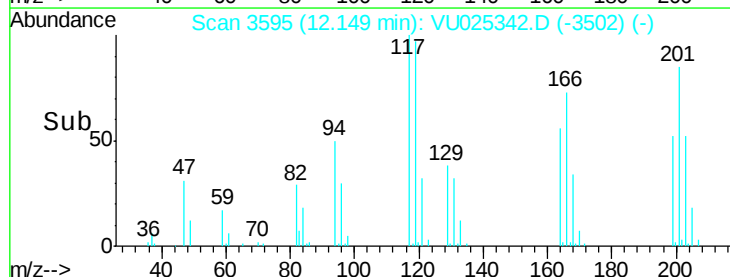
117 100

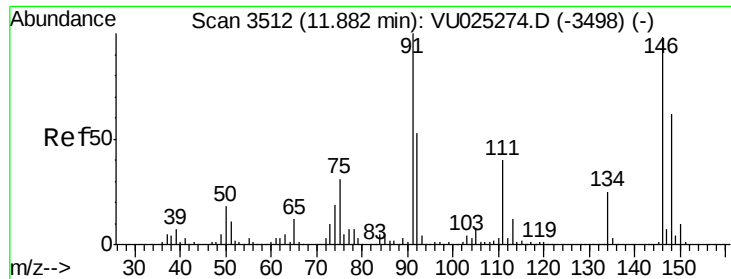
201 84.7 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025274.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025274.D (-3582) (-)

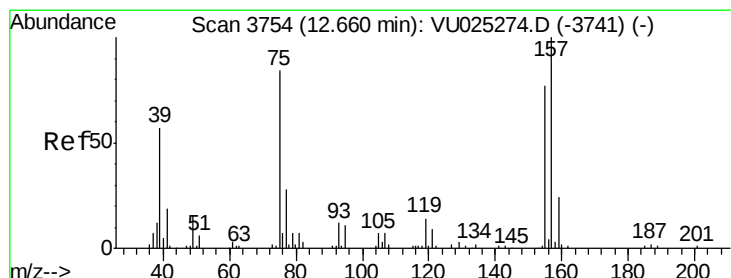
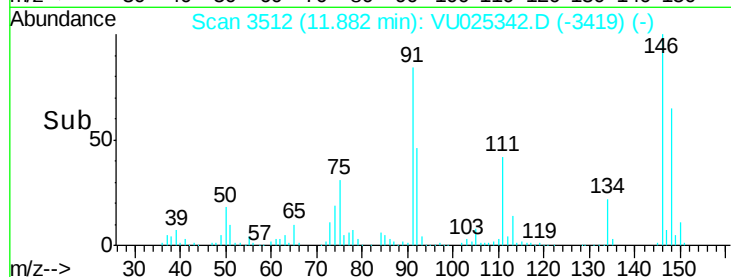
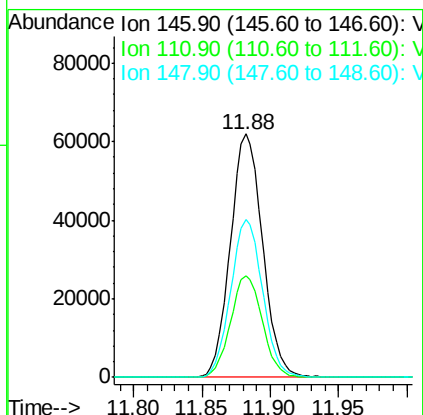
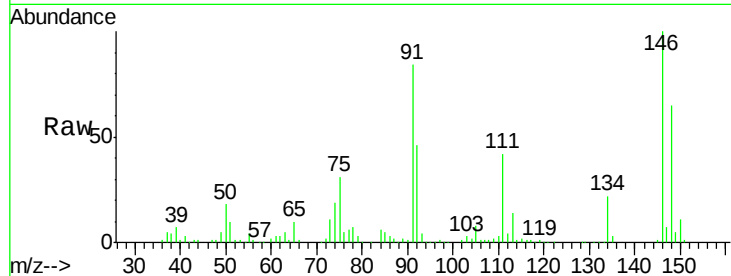




#91
 1,2-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

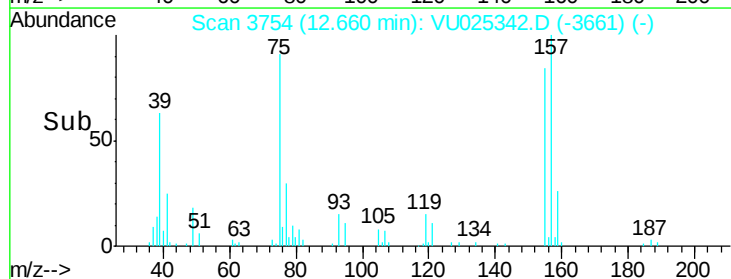
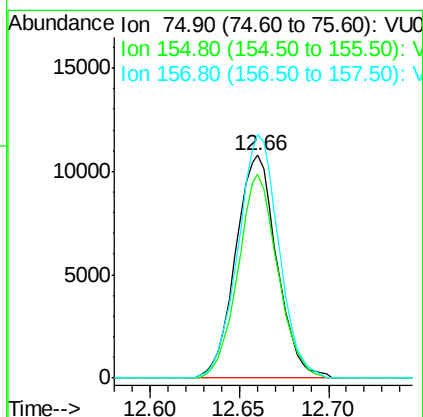
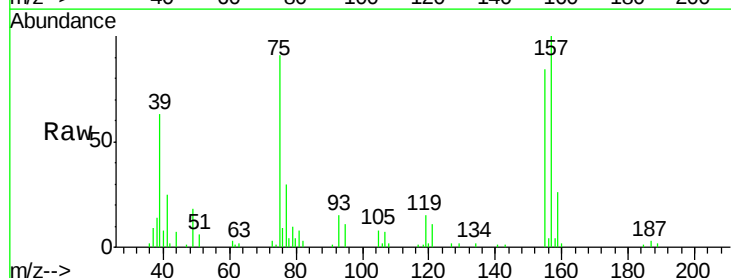
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

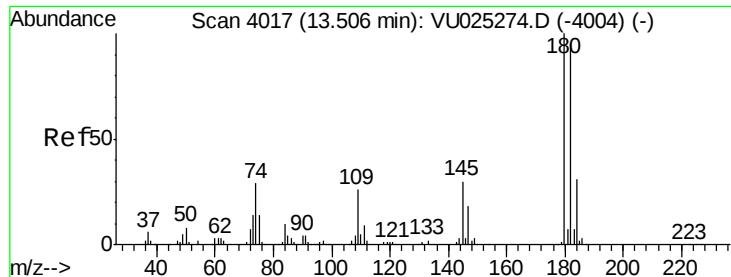
Tot Ion:146 Resp: 101631
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.6 61.8
 148 64.1 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.84 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 75 Resp: 17430
 Ion Ratio Lower Upper
 75 100
 155 87.5 44.5 133.3
 157 108.0 57.0 170.8

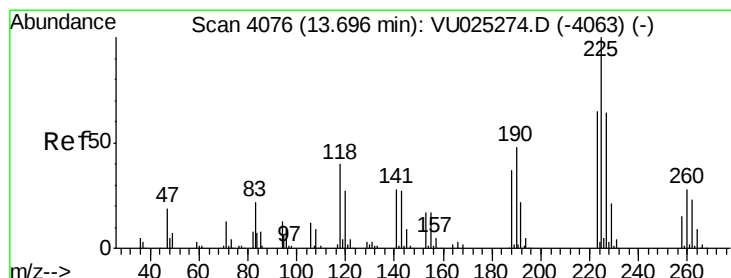
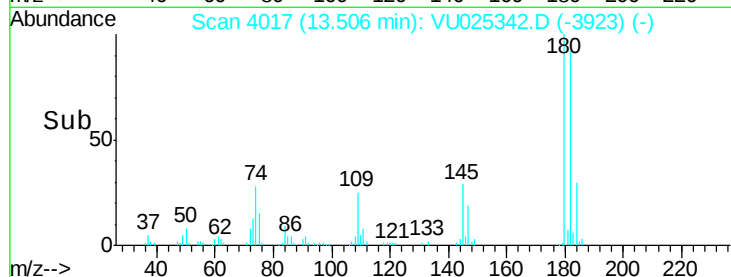
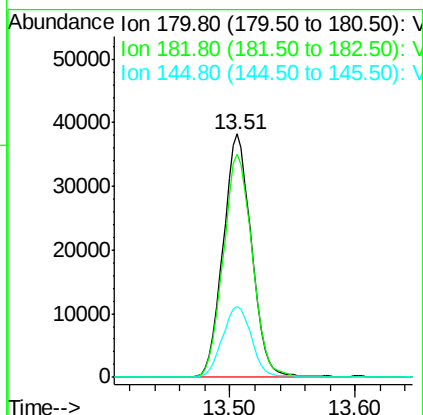
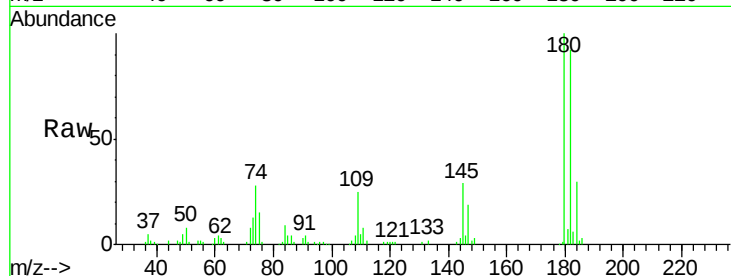




#93
 1,2,4-Trichlorobenzene
 Concen: 20.10 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

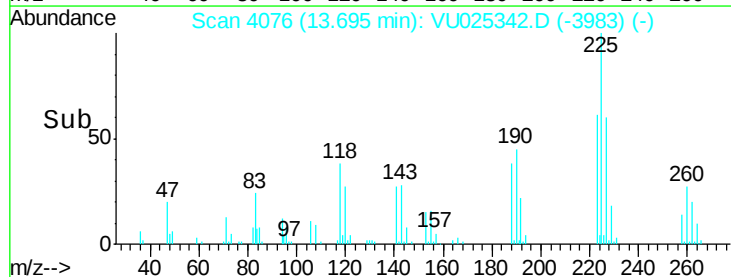
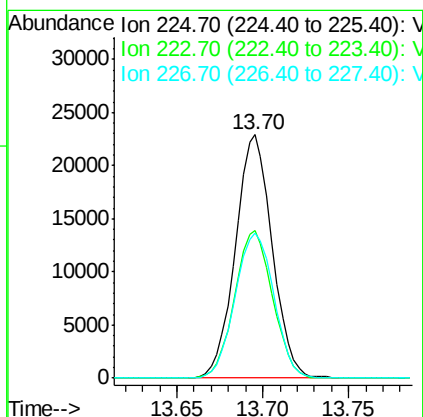
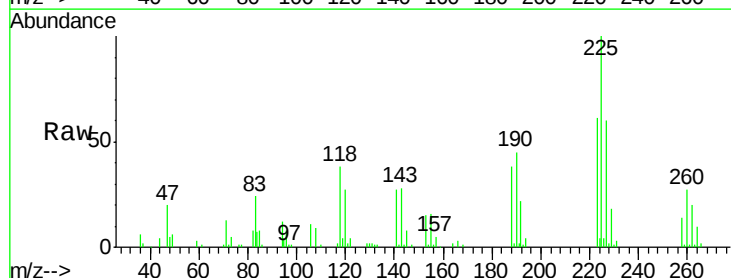
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

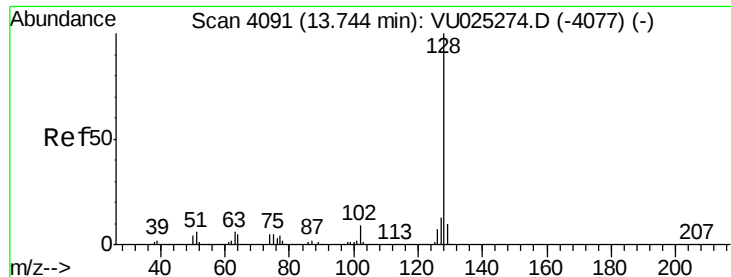
Tot Ion:180 Resp: 59969
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.3 141.9
 145 29.6 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 19.12 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion:225 Resp: 34040
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.7
 227 62.9 32.3 96.9





#95

Naphthalene

Concen: 20.06 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

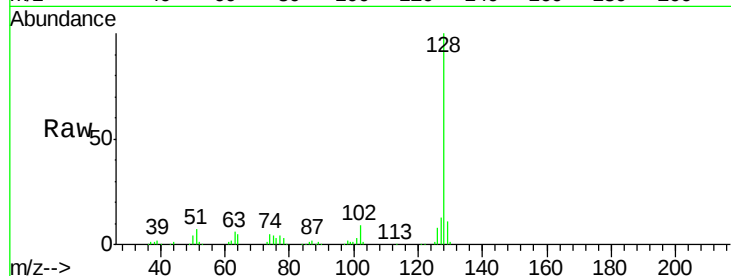
Tot Ion:128 Resp: 187815

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

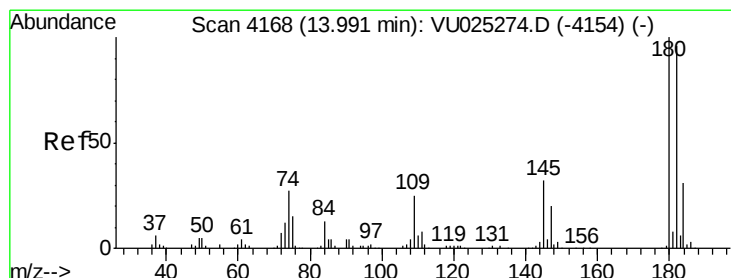
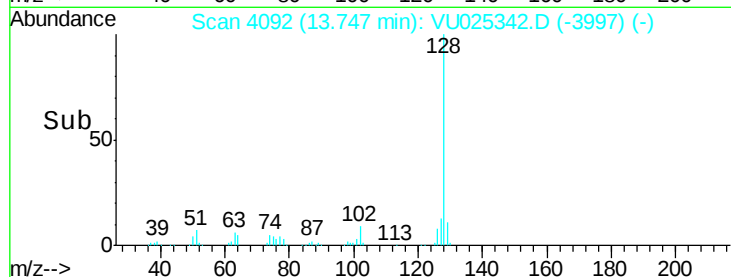
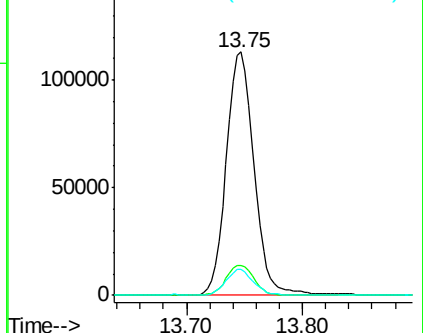
129 10.6 8.3 12.5



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: 20.05 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

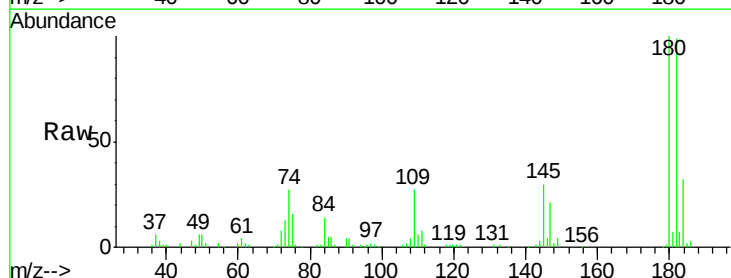
Tgt Ion:180 Resp: 62426

Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.3

145 30.8 15.6 46.8



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

